

AND

ST 1/1	✓	(ST 205)	QSA! D3, 2, 1! KR,	9, 42/18	C
36	✓		D1, KR,	29/15, 373!*	C
ST 228	✓	(ST 73)	KR,	29/15	BEP
59	✓	(E 222)	D2, VA1!!	29? 38/6	BEP
2	✓	(OE 38)	D4,	37-16, 42/8	C
02514	✓		KR, D4	42/8	* BEP
	✓	02074+3857	KR, D3,	42 20(14) 236*, 333?	
	✓		D1	42*	
	✓	B 997		163/17	O
	✓	Es 1293 AB		163/17	
	✓	AC		163?	
DE 547	✓	AB		163/17	
	✓	AC		163/17	B
E 3	✓	B 483		163/17!!	
	✓	h 1947	D1	164?	C
26	✓	Cyrb 34		164/17	
	✓	(OE 5)	D1	164/17	C
	✓	A 647		164/17	C
E 44	✓			165?	
E 52	✓			166/17	
	✓	h 2010		167/17	
	✓	Ma 1	E 32!!	167/17, 305	
2	✓	(B 1147)	D39	(167)*, 203?*, 236? 305?	
E 2973	✓		D39	187? 191?	B
VGY 78	✓	23000+4349		187	?
VGY 78	✓	23006+4356		188	
E 2985	✓			188	
E 2987	✓			188	
8	✓	(B 717)	D39	188	
	✓	A 202		188?	
DE 493	✓			189	
E 3009	✓		D39	189	
E 3010	✓	AB		189	
	✓	BC		189? 191!!*	
E 3024	✓			189	
VGY 80	✓	23347+4404		189	
DE 500	✓	AB	D40	(190)*, 194? 192?	B
	✓	AP		192	
	✓	B 722	AB	190?	
	✓		AC	190	
	✓		AD	190	
h	✓			190	
E 3034	✓			190	
	✓	B 995		190? 195?	
DE 510	✓	AB		190?	
	✓	AC		190	
	✓	B 728		190!!	
	✓	A 796		195?	
E 2978	✓			199	
	✓	Ho 197	AB	199?	
	✓		AC	199	
	✓		AD	199	

£2992 ✓			199	
£3028 ✓			199	
0£501 ✓		D40	200!! 201, 238!	C
0£506 ✓	AB			
	AC ✓		201!!	
£3042 ✓		KR,	201	
£3043 ✓	AB			
	AC ✓		201!!	
	✓	Ho 205	201?	
	✓	B 860	201?	
0£21 ✓	✓	0£515	203?	
VG 86	✓		203? *!! 236? 305!	BE
39	✓	D1D14+4725	204!!	
	✓		(232)*	
	✓	AB B 397	232	
	AC		232?	
	✓	AB AC 13	232?	
	AC	R 2018	232!!	
£140 ✓	✓		233	
£154 ✓	✓		233	
£195 ✓	✓	S404	234	
W	✓		234	
	AB		234!!	
	AC	D3	235?	B
	CD	D3	235	O
		D3	235	D
	✓	AC 14	235? 309?	
£215 ✓	✓	Es48	237!!	
Forx	✓	02062+4240	237	
AG 32	✓	02061+4037	237	
£3064 ✓	✓		237	
£3056 ✓	✓	Ho 622	237	O
	AB		237?	
£1	AC	D1	238!! 241	D
£1014 ✓	✓		238!! 241	D
			238	
			238?	
0£2 ✓	AB	D1	238?	
	AC	D1	239?	BE
£17 ✓	AB		239	C, D
	BC		238!!	
0£513 ✓	✓		239?	
			241	
£108		D2	234?	O
£102		D2	234	B
	AB		306?	
	AC		306!	
	AD		306!	
	AE		306?	
	AF		306?	
R 2033			306	
Es 1208			306	
205	M110	(CSA) KR, ST,	36? 38?	
221	M32	(CSA) ST, 2, KR,	GX 28+4+36, 38	
224	M37	(CSA) ST, (2) KR,	GX G, 36, 38, 253	

VG
VG
VG

B
O
D

BE
C, D

O
B

ANT

↓ ↓ A N D ↓ ↓
VGY143 AB 02056 + 4248
AC
VGY144 02044 + 4248
Σ 245
VGY145 01256 + 4248
Σ 248
0
Σ 42
AB
AC

308 !
308 !
309 !!
309
309
344
(344) *
373
373

AQL

X
 15(4)
 23
 VGY1
 ST2532
 E2531
 ST2613
 ST2644
 ST2654
 ST2677
 57
 BU 57
 11
 5
 E2489
 5
 OE 368
 E2596
 E2621
 E2628
 VGY122
 E2635
 E2615
 E2620
 OE138 App
 AB
 AC
 OE202 App
 E2650
 E2616
 E2629
 VGY247
 O
 VGY248
 SCV 21
 AB 192571+0452
 AC
 AB B AL 1932
 (AQ)
 (AD)
 AB BUP (1931+02)
 AC
 (AD)
 AB h 2872
 AC

D33
 D34, KR
 D32, KR
 D33

KR
 D34, KR
 KR

D35
 D34, KR
 D34

D32
 KR, D32

D32
 D33

D32
 D32

D34

D34

16?
 (16)* (22)* 25/4!
 21/3
 21/3
 (21)? 23, 458
 23/4, (452)* (454)*
 23, 452
 25/4!
 25/4!, 463
 25/4
 25/4!
 26/4!
 28/4!
 32/5
 100!!/44*
 126?
 153/17
 153?
 154?*(263)
 156/17!
 257
 257, 401!!
 257, 401
 257! 402!
 400
 (400)*!!
 401
 401?
 401?!!
 402
 402?!!
 405
 405
 451
 451? (457)
 452
 452
 452
 454!!
 454!!
 454!!
 455
 455
 455
 457?
 457?

B
 B
 C
 B

B

O

C

C

O

B?

C

B

B

D

SEP
SEP
C
3
0

STATION	FREQ	MODE	CALLS	TIME
5-52	✓(ST 2909)	D38, METAC/S!(2), KR,	G, 274, (270), 476	SEP
4	✓(ST 2729)	D36	26/4 #	BEP
12	✓(ST 2745)	D36, KR,	26/4!	C
ST 2809	✓	D37	26/4!	D
ST 2838	✓	D37	26/4*	O
A 1264	✓22276-0007		(163)* (170)*	
	✓B76		(163)* (170)*	
51 AB	✓	D37	170?	B
E 2913	✓		170/19	
51 AC	✓	D38	170!!/19	O
A 475	✓22100-0816		(170)*	
E 2935 AB	✓	D38	(170)?	B
E 2935 AC	✓	D38, KR	(170)*	B
E 2939	✓		170!!/19	
↑	AB		171/19	
	AC		258	
41		KR, D37	258?*	
53	AB	KR, D38	266	B
	AC		266	B
E 2928			266?	
↑	(E 2943)	D38	267	
	S 808		267!	O
	Hwe. 55		266!!	
	AB		271	
	AC		271?	
	AD		271	
VGY 134	20549+0024	H4LO	271	
AD		KR, D40	271	
E 2988		KR,	288	B
	B 384	D39	300!	
E 2983			300?	B
			300	C
			300	
ψ	B 715	D39	300?	C
		D39	300	C
		D39	300?	B
			300?	
			301	
AD1	h 3184	D39	301?	D
		D40	301*	O
94	h 316	KR, D38	301	B
W 2	(E 2998)	D40	301?	C
96		D39	301	C
E 3008		KR	302!!	O
	B 725		302?	
E 2862			361	
E 2887			361?! 363!	
VGY 207	22145+0053		361 !!	
VGY 243	23244-0626		473	
E 3016			475	
29		KR	528	
			(528)?	
			529*	
			530	
			530	
	H 468			
	Hwe. 53			
	h 5524			

AD h 5524
1 675

530
532 *

6984
6981
1009
7089

M73
M72
M 2

KR
KR, gll
(SA) PL 3, 2, KR
(SA) GL 2, 2, KR

NY 240!
GH 238
PL 27/4
GH 26/4

ARI

$\lambda^1 - \lambda^2$
 λ
 30
 $E 291$
 E
 $E 394$
 $E 224$
 $\frac{1}{T}$

✓ (ST 180) CSA! D3! 2, KR,
 ✓ (E 174) KR, D3
 ✓ (E 5 App 1) KR, D3,
 ✓ D4, KR,
 ✓ KR,
 ✓ (E 333) KR, D5
 ✓ KR, D5,
 AB (E 311) D4
 AC

9, 43/8
 43/8
 42/8
 42/8
 43/8
 42/8
 43/8
 306!
 306!
 306

opt ?

B
 B
 C
 C
 B
 D
 C

AUR

$\Sigma 644$ ✓
 $\Sigma 799$ ✓
 14 ✓
 16 ✓
 26 ✓
 $\Sigma 666$ ✓
 $\Sigma 764$ ✓
 $\Sigma 796$ ✓

(OE 545)
 $\Sigma 653$
 (OE 103)

KR, D8
 2, KR, D11,
 KR, D8,
 D9,
 KR, D10!

KR, D10
 D10

B 560
 Es 59

$\Sigma 928$ ✓
 $\Sigma 929$ ✓

VGY 97 ✓

$\Sigma 940$ ✓

18

$\Sigma 648$

$\Sigma 658$

06337 + 3832

06338 + 3828

D9

AE (Sci 136)
 Es 170

KR,
 D8

VGY 138
 (VGY 202)

14 = AR Mellett
 05416 + 3518

(05457 + 3342)
 Hu 556?

AC
 AD
 AE
 CF
 AB
 AC
 AD

Hu 217

D9

49/9

(57)*

53/10!!

52/10!! * 277, 278!!

(52) * (279)*

53/10!!

53/10

53/10

53/10

53/10

243

243

244

244*

279?

277

277

278? 279? 347?

278! 277, 279!!

279

347

347

347

347

347?

347

347

C

B

B

C

C+BE

D

D

D

IC 405
1664
2099

M37

N1
cl 1
2, cl 1

DF 278?
NY 242
NY 53/10

$\pi^1 - \pi^2$	(ST 1864)	(CSA) D25, KR,	5, 14/2	B
π^1	(ST 1865)	(CSA) D25,	(G)* (14)* 100/14	BEP
π^1	(ST 1888)	D25, MET 77/5, 2, KR,	6, 14/2, 85,	BEP*
π^1	(ST 1877)	CSA, D25, 2, 1, KR,	6, 13/2, 74, 249!!	B
π^1, π^2	(ST 28 App 1)	(CSA) D26, 2, KR,	13/2 (22)	C
ST 1938	(π^2)	D26, 2, KR,	13/2 (22), 76	BEP
OST 291		D25,	77/12, 85	C
39	(ST 1850)	D25, KR,	22/4	B
$\Sigma 1785$		D24, KR	23/4	BEP
$\Sigma 1793$		KR	72/12, 83	
$\Sigma 1884$		KR, D25	72/12, 84	B
$\Sigma 1854$		D24	74/12	O
$\Sigma 1855$	14302 + 3N2		74/12, 84	
VGY36	14305 + 2N2		74	
	A570	D24	74	BE
OE 276		D25	74?	
OE 289			74!!? 289!!	
$\Sigma 1867$			(H)* 80?, 85?, 218?, 289?	C
$\Sigma 1876$			75? 80? 219?!! 289	
$\Sigma 1850$		KR,	75/12 (84)	
44 (i)	($\Sigma 1909$)	KR, D25	75/12, 84	BEP
OE 298		D26	76/12	* BEP
OE 126			77? 80/12, 289?	
$\Sigma 1872$	AC		83/13	
	AB		84/13	
π^2	(OE 277)	KR, D24	84/13	B
$\Sigma 1825$	($\Sigma 1821$)	D24,	84/13, 121	B
$\Sigma 1858$			84/13	
$\Sigma 1895$			85/13	
$\Sigma 1916$			85/13	
$\Sigma 1921$			85/13	
1	($\Sigma 1772$)	D23	97/14	B
2	(OE 270)	D24	97?	O
$\Sigma 1835$		KR, D24!	105/15	B+BE
$\Sigma 1838$		D24	105/15	D
OE 288		KR, D25	106/15, 317	BE
15	H0389		110? * 116?	
$\Sigma 1879$		D24	115?	B
$\Sigma 1886$		D25	115?/15	BE
OE 275			116/15	
	A1110		115? * 116	
$\Sigma 1910$			116?	
2	($\Sigma 26$ App T.)	KR	120/15	C
OE 278		KR, D24	122/15	B
$\Sigma 1829$			179? 182?	
$\Sigma 1863$			179	
$\Sigma 1871$			179? * 182	
$\Sigma 1834$			179	
$\Sigma 1889$		D24,	181?, 182	BE
OE 287	Sh 191		181	C
$\Sigma 1843$			181	
			(181), 182	B
			184!	

05285 ✓

47

05296 AB

AC

Es (15111 + 4846)

AB ✓

β 612

AC

Σ 1870

D25

D25

182?

184?

(184)*

184?

186

214?

214

291?

1 (ST55D) KR, D7,
 2 (ST366+84295) D7
 ST 390 ✓ D5
 ST 389 ✓ D5, KR
 ST 396 ✓ D5, KR
 ST 385 ✓ D5
 ST 400 ✓ D5

56 ADS 2694 DG
 OE 188 ✓ (Σ 1182 VM) D5, D16
 OE 192 ✓ D16
 Σ 1694 ✓ D16
 Σ 413 ✓ KR, D22

AB
 AC

OE 52 ✓
 ✓ A 980 D5
 OE 67 ✓ D5
 D6

Σ 1284 CB006+8445

Σ 1625

Σ 485

HZG

Σ 484

Σ 484

Σ 485

HZG

Σ 485

HZG

Hlu 3

AB

BC

CD

DE (HZG)

BE (ST)

AG

AS

JK

Jh

AK

KL

Am

Bt

Bv

uv

AB

AC

Σ 634

Σ 632

Σ 677

AC

LDS 1607

h 1155

C

KR, C

NGC 1502 nycthemaz

517!!

521, 522

5217!! 522*?

5217 522?

521

521

522!!*

38/6

38?*

40/7

40/7

40/7

40?

40?*

40/7

45/8! 50/9

45? 46/8

46?*

50?*

304?

77/12

228?

228

(228)* 235* 236*

(228)*

(228)* 232? 235? 236?

310?*

352

517!!

521, 522

5217!! 522*?

5217 522?

521

521

522!!*

521, 522

5217!! 522*?

5217 522?

521

521

522!!*

521, 522

5217!! 522*?

5217 522?

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522!!*

521, 522

5217!! 522*?

5217 522?

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521

522!!*

521, 522

5217!! 522*?

5217 522?

521

521

522!!*

521, 522

5217!! 522*?

5217 522?

521

521

522!!*

B

B+B

C

B

B

D

BEP

O

D+D

D

C

C

C

C

B

B

C

C

C

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C

1502
2655

SG, KR

NY 516!
GX 46? 46!

CAP

$d_1 - d_2$
 d_1
 α^2
 β
 θ
 π
 ρ
 σ

CSA
 D34
 D34, D35
 (CSA)
 D35, KR
 D35, KR
 D35

24/4
 24/4 * (26) *?
 (26) *
 24/4
 25/4
 25/4
 25? * !!
 25/4
 26/4!
 268!
 268?
 268!
 270?
 422!

O
 B+B
 C
 C
 B
 D

S 763
 h 5220
 B 153
 h 5226
 h 3003
 VGY 242

ADS 14299
 20435-2703
 20443-2636
 20471-2733
 20501-2858
 h 5251

D35, KR,

E3053 ✓ ADS 1 KR, D1
 E48 ✓
 E65 ✓
 AG8 ✓ 00504 + 6823
 AG9 ✓ 00512 + 6847
 21 ✓ (vult. YZ)
 49 ✓ /B 497
 E216 ✓
 E231 ✓
 E257 ✓ St 356
 2 ✓ (E262) KR, D4, 2
 E283 ✓
 E302 ✓
 E306 ✓
 VGY74 ✓ 02473 + 6011 /B 1316; D
 13 ✓ 02491 + 6016
 E312 ✓
 8(8) ✓ (E3048) KR, D40
 E3057 ✓ D1
 Hu 502
 E3062 ✓ (D1)
 E7 ✓
 E16 ✓
 Es 41
 Hu 506 D1
 OE9 AB ✓
 AC ✓
 E30 AB ✓
 AC ✓
 1(14) ✓ /B 1094
 (OE12) D1
 /B 1227 A3
 AC
 1097
 α AB ✓
 AC ✓
 m ✓ (E60) KR, D2
 E45 ✓
 OE16 ✓
 257 ✓
 E59 ✓
 OE485 ✓ AB
 AC
 OE490 ✓
 229 ✓
 OE495 ✓
 A.R. (vult.) AB ✓
 AC ✓
 AD ✓
 DE ✓
 AF ✓
 FG ✓
 (Sh 355) KR, D39
 (Da 2) D39

100/14 B
 100/14
 118/15, 463!!
 118/470!!
 118/1
 118/15
 118/15
 161? 232?
 161?
 161? * B
 161?
 161?
 161/17/18 19
 161/17/18
 162/17/18
 162/17
 162 *
 162?
 162/17/18
 163/17/18 B
 163/17/18 C
 163?
 164/17/18 BE
 (164) *
 164/17 C
 164/17/18
 165? B
 165?
 165/17/18
 165/17/18 D
 165?
 165?
 (165) * C
 (165) * B
 165/17/18
 166?
 166?
 166/17/18
 166/17/18 BE
 166/17/18
 (166) *
 166?
 167/17/18
 188
 188
 188? 191?
 189
 189? 191?
 191? 197?
 191
 191!!
 191
 191
 191?

CEN

h	✓		D24
	✓	13393	D24
Hive	✓	13520-3152	
e	✓		D24
y	✓		D24
	✓	131197	D24

(82)* 87/13
 82?
 82? *
 82/12
 87?
 87/13

C
 B
 B
 B
 B

		Es 156	
h		13781	
Σ317		(V482)	
Σ284	AB		
	AC		
Σ263	AB		
	AC		
	CD		
Σ115	AB		
	AC		
		133	
0Σ35	✓	13870	D3
0Σ33	✓	h 1088	D3
y	✓		
	AB		
	AC		
48	✓	HIV 66	D2
48	✓		D3
Σ185	✓		D3

487?!!
 (487)!!
 470!!
 407? * !!
 406
 406
 ? *
 406!!
 406
 287? *
 284!
 284!!
 234?
 234
 233
 233
 233?
 233!!
 232
 232?
 232?
 (232)* !!

B
 B
 O
 D
 BE
 C
 D

β	(ST2806)	D37(2), KR,	33/5, 336	?
ST2843		D37	33/5	B
ST2883		D37, KR	33/5, 36	C
ST2893		D37	33/5	C
ST2903		D37	33/5	B
OST457		D37	(33)* (336!)*	B
κ	(ST2675)	D34	35/5	B
ST2923		D38	36/6	C
ST2873		D37	36/6	B
τ	(OST489)	D39	36?	BEP
OST486		D39	37/6	D
49	(Σ460)	D6	38/6	BEP
OE481	22430 + 7815		39*	
ST2971			39/7	
ST2963			39/7	
β	996	D40	39?	B
ST2984			39/7	
ST2780			39?	
ST2790			39/7	B
VGX13	21187 + 5823	D36	40	?
	β 1140	WDS → HLM39	40?	
OST451		D36	40/7	
ε	β 275		40?	
OE6		D37, KR,	40/7	B
Σ320		DF	413!!/15	
OE34			162/17/18	B
Σ327-T		DF	225?	B
	β 1176	DF	228	D
	β 152		228?	C
VGX131	21151 + 6811		442?*	
Σ2844	21505 + 6480		336	
Σ2801			336!!	
(Σ200)	H 148	D36	339!!	
	EM		339?*	BE
			339	
			339	
			339?	
			339!!	
			357	
VGX206	AB 22266 + 5815	KR	357	
	AC	H31	357	
	ES 137		357	
	β 371		372!	
	h 1659		409	
Σ2810			409	
Σ2812			409	
	h 1677		410	
	h 1658		410	
	ST1 2586		411	
	ABW 1694		411!!	
	BC (ES 36)		411!!	
	Fox (Σ147+57)		411	
	MEB 143		411?	
	ST1 2592		411!!	

$\Sigma 2840$ AB KR 55
 AC
 AB KR, C, D37
 AC
 $\Sigma 2813$ AB
 $\Sigma 2815$ AC
 AC
 $\Sigma 2816$ AB h 1672
 AC D37
 AD D37
 (AE)
 $\Sigma 2818$
 $\Sigma 2751$ h 3055
 KR, C, D36

412!
 412!
 412
 412?
 412!!
 413?
 413
 413?
 413?
 413
 413
 413!!
 413
 413!
 523

6938
 +160
 +510

CCG, KR
 CCG
 KR, CCG

NY 296 (287)
 NY 40?
 NY 37/6

CET

 $\sum$ GG
 $\sum 274$

 AB
 BC
 AB
 AC
 $\sum 39$

12

 $\checkmark \left\{ \begin{array}{l} \sum 299 \\ \sum 231 \end{array} \right.$
 $\checkmark$ 4 1981
 β 1158

 1, 2, KR, DY
 1, KR, DY
 1, KR, DY

 KR
 D1

 44/8
 44/8
 44/8
 302
 302?

 302 *
 (302)*

 B
 B
 D

B

Mora $\rightarrow$ MET. 83/11!

CMA

V1
X✓ h 3945
✓ KR, D13,
✓ KR, D12,
✓ CSA, 2, KR, D1245/8
56/10
62?!!D
C
BET

CMI

E 1126
DE 170
DE 182
DE 185

✓
✓
✓

KR, D19
KR,
KR,
D15,

(48)*, 50/9
50/9
51/9

3

BEP

35

Weisse 19

A 2131

D17

$68/11$!! ? * , 174
 $67/11$
 $67/11$
 $67/11$
 $67/11$, 209/26
 $68/11$
 $68/11$
 $67/11$, 209/26
 $68/11$
 $68/11$
 $68/11$
 $67/11$
 $67/11$, 283!!
 $67/11$
 $67/11$
 $209 * ?$ 285!
 $209/26$
 $209?$
 $209/26$
 $210/26$
 $(210) * /26$
 213
 $213?$
 213
 213
 283
 $283!$
 $283? 285?$
 $284? 286?$
 $286!!$

35

B

7

工

3

B

BE

B

班

2682
2632

M 67
M 44

2, KR, CC3
(2) KR, CC3

NY 68/11
NY 68/11

COM

24 ✓ (ST 1657) D22, 2, KR,
 35 ✓ (ST 1687) D22!
 17 ✓ (OE21 App 1) D22!
 E 1639 ✓ D22
 E 1633 ✓ KR, D22
 12 ✓ D22!
 OE 245 ✓ D22
 30 ✓ D22
 ✓ h 2638 D23!
 E 1639 ✓
 2 ✓ (E 1596) KR, D21
 11 ✓ D22
 E 1678 ✓ KR, D22
 E 1685 ✓ KR
 X * ✓ AB (E 1728) D23
 ✓ B 800 D23
 OE 266 ✓
 39 ✓
 E 1666
 h 517
 AC
 VGY246 13018+1703
 AB B 112
 AC

13/2, 93!
 (18/2)*, 73*, 74? 94
 69/12
 69/12, 428!!
 69/12
 69* (71)/12, 428!!
 (70.?)* 71/12
 70?
 71?
 72/12
 93/13
 93?
 94/13
 94/13
 96? 444?
 96/14
 97/14
 97? *
 378
 428!!
 444!!
 444
 444
 444

B
 C+BELP*
 C
 BEP
 B
 O+D
 C
 O
 C+B
 B
 C
 D
 BEP*
 D

4725
4826
5024
4414
4565

M64
M53

KR, S16
KR, S16
KR, G11
KR, S13
KR, S15?

GX 178
GX 178
GH 97/14
GX 72/12
GX 72/12

Elsődleges
címké-
jelzésEgyéb,
aszkontoLeírás
helyeEretelekre vonatkozó
megjegyzések1- Bayer
bejelzésB = Bie - Burnham
ADS
IDSTV = távcső világa
KR = RDC kat.

SGA = Schurig - Goltz

~~CK = Coeli katalógus~~PSa = Papp Sanyitól
(Burnham)

(1) = Kétfős útmutató

(2) = Legjobb égi obj.

Alno = Albino

MET(n) = Meteor

~~MF = fénys~~~~(PS = Papp Sanyitól)~~

CSA = Klempa - alkam

D, ~~Coeli kat. dia~~

UAN = Ujvári (Burnham)

C = Coelan kat.

BCH = Burnham kat.

SzM = Szendrői

Jó: !

Rossz: ?

Lényegtelen: ()

Mindig értelmi!

No - fűzet oldalain

No! - jó éj!

No* - jó éj, ismételi

(No)* - Kétfős éj, ismételi

No/No - jó éj, beküldés

No? - nem érthető?

No!! - lényeges információk

Típusok (Coeli szerint):

O - optikai

C - csomó

D - nem meghatározott

B - bináris

BE - bináris pályakezeléssel

BEP - bináris pályakezeléssel

? - f. jel, jelentése nem ismert

1- NGC, IC

M = Messier

LR = RDC mérése

MU = Messier-utmutató

MO = Messier-objekt.

ES = Crill. érkörpár

CL, CL, PL, N, S:

Coeli kat. dia

Ny - nyílt

GH - gömb.

PL - planet.

DF - diffúz

fényes felhő

GX - entrópia

stb.

CRA

H
X
y✓
✓
✓
✓

B-12 14

D31
D31
D32
D32108/15
108? * 110?
108/15
(133)*, 138?D
0+0
C
BE

CRB

5 th -52 ✓ (ST 1965)	D26, (2), 1, KR,	22/3, 75	B
7 ✓ (ST 1937)	D26,	22 ² (76)* 80/12, 218, 283!	* BEP
ST 1904 ✓	1: KR,	22/3 x 11, 75/12	
Σ 1932 ✓	D26	64/11, 75	BEP
Σ 1973 ✓	1	75/12	
Σ 1941 ✓		75/12	
Σ 1950 ✓		75/12	
Σ 1963 ✓	1	75/12	
Σ 1935 ✓	1	75 11/12, 219	
Σ 1936 ✓	1	75/12	
10 ✓		80/12	
02302 ✓		80? 219?	
02304 ✓		80/12	
0 ✓ (Σ 2032)	KR, D27, 1!	(80)* 112	BEP
Σ 2029 ✓		80 11/12	
Σ 2011 ✓		88/13	
Σ 2022 ✓	D27	91/13	B
Σ 2044 ✓		91/13	
02305 ✓	D27	93?	B
ju ✓		219?	
Ho 399		463?	
(Σ 1967)			

Serpentine

R 10581 - 1803

245

CRT

CRV

Σ 1669

A 606
Σ 1218

A 921

S

Σ 1604

S 643

✓

✓

✓

✓

✓

✓

✓

✓

✓

B 28

✓ 12234-1440

✓ 12330-1638

B 320

12158-2344

B 605

12512-1747

KR, D22, 2

KR, D22, 2

D22

D22

D22

D22

KR

83/42

87/43, 288!

88/43

89?!

89?

(232)? *

282?

283?

283?

283!! * 287!!

288?

C
B
BEP

CVN

α ✓
 $\Sigma 1632$ ✓
 $\Sigma 1653$ ✓
 $OE 261$ ✓
 25 ✓
 $\Sigma 1755$ ✓
 $\Sigma 1789$ ✓

($\Sigma 1692$)

CSA, 1, 2, KR, D22
D22

KR, D23
D23
D23

h 1234
($\Sigma 1768$)

69/12
 69/12
 70/12
 71/12
 71!!/12
 71? 74?
 72/12
 72/12

1 $\rightarrow$ cpm, D22 $\rightarrow$ B

D

B

O

BEP

5005
4631
5272

M3

KR, S17
KR, S15
KR, L, G11,

GX 73/12
GX 72/12
GH 70

CYG

B	(ST 43 App 1)	CSA, D33, 2, 1, KR	(4)*, 137/16	?
E 46	(E 46 App 1)	KR, D33	100/14	B
VG 42	E 2579	KR, D33	100? 114! /15	BE
ψ	19413+5019		100	
E 2486	E 2605	KR, D34	114! /15	B
E 2436		KR, D33	118 /15	B
E 2607	(E 392)	D33	113? * 321?, 325!!	C
DE 378		D34	114! /15	B+B
DE 383		D33	113 /15	B
	A 713		113?	
VG 61	Kuiper 94 (19402)	D33	113? 333?	B
17	19415+4929	SMA	118, 321!!	
	H V 137	D33	131 /16	C
	(E 2580)	KR, D33	131!! /16	B
DE 390 * AB	S 726	D33	131 /16	O
26		D34	131 * /16 196, 509!!	C+D
E 2657 T *		D34	131 * 137? 141? /16	O+D
E 2658		D34	131 * /16	D(+B)
O = 31		KR	131 /16	
E 2666		D35	131 /16	
E 2671		KR, D35	132!! /16	B+O
ψ		D35	132 /16	B
DE 414			132 * /16	O+D
DE 416			132 /16	
DE 420			132 /16	
E 2681		D36	(132)* 138!! /16	?
E 2687		D35	132 /16	
W 1		D35	132 /16	C
19		D34	132? * 138! /16	O
E 2608	Es 84	D34	135! /16	O
E 2606		D34	135? 196?	?+O
DE 384			135 /16	B
E 2576		D33	(135)* 141! /16	
E 2578		KR, D33	137? * 141? (143)* 394!!	BE
	AC 17	D34	137 /16	B
E 2732	B 660	D34	137 /16	C
DE 406		D36	138?	C
59	B 1187	D35	138 /16	C
60	(E 2743)	D36	141?	BE
	(DE 426)	D36	138?!!	O
DE 387	Ho 111	D33	138!! /16	?
	B 1133	D34	(138)* (142)*	D
DE 400		D34	140?	BE
DE 403	(E 2657 T A)	D34	141 /16 292	B
	Ho 128	D35	141? 196?	BE
	A 730	D35	(141)*	B
	Kuiper 20282	D35	141 /16	B
	A 152		141?	BE
51		D35	142?	B
DE 410		D35	142? 296?	
			142? * 296!!	?
			142? * 296!!	B

Σ 2741 ✓
SA 314 ~~20041 + 3538~~

D36

Σ 2624 ✓

Σ 2639 ✓

Sh 315 20041 + 3538

h 1485 20077 + 3320

OE 398

VG Y69

20087 + 3313

E

D35

A 1418

Σ 2663

Σ 2668

HO 125 20175 + 3894

OE 206 20212 + 3903

OE 418

52

(Σ 2726)

D35

Σ 2711

B 4206

VG Y72

20174 + 3626 AG 253

OE 408

Σ 2705

Σ 2700

49

HO 137

D35

(Σ 2716)

D35

B 67

OE 419

(OE 413)

D35

B 667 677

D35 (WDS)

OE 394

VG Y81

19578 + 3606

Sec 854

20039 + 3533

Σ 2748

VG Y100

20598 + 3804

Σ 2746

61

KR, D36

Σ 2747

21004 + 3788

HO 283

65

AB

D36

AC

D36

HO 285

21136 + 3702

7

HO 286

D36

D36

D36

OE 434

VG Y104

21164 + 3930

Σ 2785

21156 + 3932

VG Y106

21377 + 3918

HO 161

21290 + 3951

79

D37

Σ 2802

21300 + 3337

OE 437

AB

D36

AC

VG Y114

21188 + 3218

HO 157

VG Y115

21167 + 3335

Hu 770

Σ 2760

AB

AC

AD

142! 146

144! 146, 247!

144! 146/150/247!!

144! 146/150, 247!!

145!!

145, 146

(146)? (150)(247)248?

146

146?

(146)?

147/146

147/146

147?

147?!!

148/146

148, 152/147

148, 157/147

149, 157/147?

149

151?

151/147

151/147

151?

152/147, 462

152?

152?

152? 248?

155?

196!!

196

247!! 248?

210

210?

210

210!

210!!

210

210

251!!

251?

251?

251?

251

251

252?

252?

252?

253

253

253

253

253!!

254?

254

254!!

254

CYG

E2782 AB

AC

AD

D36

D36

254!

254

254!!

254?

257

257 343

257?

257?

273

273

(321)

—

322

322

322

323

323

323

(324)(325)

324

324

324

324?

325?

325

325!

326!

(326)(327)

326

(326)*?

326?

327!!

327

327

328

328

328

328

328!

328?

328?

329!

329?

329?

329?

329

329

335!

335

335

335!

335

344!!

362, 344

B

O

BE

C

B445

M

M¹M²

U

VGY135

R

O25 182

AB

AC

AD

O2 374

E2588

O2 393

VGY164

18552 + 4408

O2391+

AX BUP O2 391

VGY165

18559 + 4418

E2611

E2591

AB

AC

B 1123

ES 654

19274 + 5441

E2478

19074 + 5518

O2 373

19226 + 4628

B 143

19286 + 4324

UV

VGY173

18374 + 5144

VGY174

19415 + 4707

VGY175

19428 + 4447

A712 AC

19292 + 5632

AD

VGY177

AB

AC

19427 + 5044

VGY178

19463 + 5148

VGY179

19481 + 4501

E2598

19480 + 5431

Hu 686

19501 + 5080

VGY182

19522 + 4828

VGY183

19520 + 4931

ES

19526 + 4907

Hu 687

19535 + 5049

Hu 1464

19537 + 5039

Hu 1468

19538 + 4000

B

19555 + 4014

VGY180

AB

AC

AD

DE

20207 + 4738

HJ 1510

ES 29 AD ✓

ES 29 AE ✓

HJ 1511

VGY189

20212 + 4738

E2788

S786

21181 + 5250

E2528

E2534

E2538

AB
AC

OE376

OE377

AB
AC

E2610

AB
AC

OE386

AB
AC

X

VGY238

AB
AC

19490+3247

TT

A.G. 235

OE389

OE205

E2658

Fox (2016+43)

ABh 1505

(AC)

(CD)

(AE)

(AF)

(AC)

(AD)

AG (1954+80)

19570+3005

AB J 781

(AD)

E2757

AB
AC
Ad

B 159

D36

393

393!

393!

393

393!!

393?

393!!

394!

394!

(394)* (394)*

394

396!!

397!

398

398

398!

398

505

505!!

506!! *

506

506

506

506

506

196,508

508

508!!

510!!

510!

510

523!

523

524

7006

KR

GH 262

DRA

40/41 ✓	(ST 2308)	D30, KR,	35/5		B
(VGY9) ✓	18115+8132	UA1,	35/5 *? (338!)		
OST 863 ✓	18398+7732	UA1,	(35)?	0,2"	C
ψ ✓	(ST 2241)	D30, KR,	35/5		B
ψ ✓	(OST 353)	D31, UA1	(35)?	0,2"	B
ST 2452 ✓		D32, KR	35/5		B
OST 349 ✓		UA1,	? 12.09.26	0,3"	B
E 25136 ✓	(ST 2603)	KR, D34,	35, 36/6		B
	Ku 2		35 35? 342?		
E 4362 ✓		KR, D18	60/11		B
ES 1905 ✓	10269+6556		60?	Telero! (UMA)	
E 1573 ✓		KR	61/11		
16/17 ✓	(E 30 App 1)	D28, 1, 2,	61/11		C
17 ✓	(E 2078)	KR, 1, D28 (2)	61/11		D
h ✓	(E 2130)	1, KR, D29	61/11, 64!!		BEP
E 1872 ✓		KR	64/11!!		
E 1984 ✓		KR	64/11		
E 2054 ✓		KR, D28	64? 66!!? 67? 77/12		B
n ✓	(OE 312)	D28	64/11, (265)		BE
20 ✓	(E 2118)	D29	65/11		BEP
VGY32 ✓	E 2124 530+6512		65		
ψ ✓		1, 2, KR, CSA, D30	66/11		B
E 2138 ✓		1	66/11		
E 2180 ✓		1	66/11		
E 2278 ✓		1, KR	66/11		
E 2348 ✓		1, D31	66/11		
39 ✓	(E 2323)	KR, D31	66/11		?+BE
	H1 41		66/11		B
26 ✓		D30	99/14		
ES 77 ✓	17071+5054		99? 185?		BE
E 2146 ✓	17120+5411		110? 116?		
E 2261 ✓	17570+5213		110!! 116! *		
E 2199 ✓			111/15		
E 2271 ✓			111/15		
E 2368 ✓			111/15		
E 2438 ✓			112/15		
E 2450 ✓		D32	113/15		BE
B 1274 ✓	18138+5634	D32	113/15		C+B
O ✓	(E 2420)	D32	117!! * 120/15		
E 2433 ✓	18560+5641		117/15		O
OE 351 ✓	(Hu 66)		117?/15		
B 971 ✓	18462+4923		118!!/15		
	Hu 149		118?		
E 1878 ✓		D25	182		B
E 1882 ✓		D25	185		D
E 2045 ✓			185!!		
E 1927 ✓			265		
	Stn 805		267		
	Mer 198		267!!? 272?		
E 1437 ✓			268?		
E 1767 ✓			313		
ES	19039+4950		316!		C
VGY161	19042+4955		322?		
Mer 217	19050+5913		323		
			325?		

Σ 2326
Σ 2377
Σ 2440
Σ 2403
Σ 2284
Σ 2384
Σ 2509

VGY193

Σ 2548 AB

AC

VGY194

AB

BC

Σ 2571

VGY195

AB

AC

VGY196

Σ 2573

Σ 2554

VGY197

VGY198

VGY11

Σ 2604

VGY199

Σ 1516

AB

AC

Σ 1602

AB

AC

Σ 1599

Σ 3123

AB

AC

AD

Σ 1611

Σ 1654

Σ 44 App. 1

19168 + 6305 E5

19314 + 6302

19270 + 7317

19328 + 6158

19342 + 6007

19336 + 6526

19381 + 7146

19540 + 6400

(02 535)

A 1088

12030 + 6803

12093 + 6855

UA1

D32

D32

Σ 2550

Σ 2553

D83

AG

D21

D21

338!

338!!

338

338? * 340?

338!

340?

340*

340

341!!

341!!

341

341!

341

341

341*

(341)*

342

342!!

342

342

35, 342

342!

343

(351)*

350!

351?

351

351

351, 352!!

351? 353?

351? 353?

?

352?

352

342

5866

3147

5907

6503

6543

KR

KR, S8

KR, S20

KR, S20

KR, P2, 2

GX 332

GX 313

GX 184

GX 99/14

PL 99/14

EQU

J(6) ✓ (ST 1/54) D3G, UA1!!
 ST2765 ✓ 21038+0930 UA1
 E (1) ✓ (ST 2737) D3G, KR,
 2 ✓ (ST 2742) D3G
 Q ✓ (ST 2777) D3G, UA1
 Q ✓ (OST 535) D3G, UA1
 ST2786 ✓ KR, C
 ST2793 ✓ UA1!!

(ST 1754) D3G, UA1!!

h 248
 AB
 BC
 B pm (2112+10)

VGX240 AB 21139+1140

AC
 AB
 AC
 AD
 AE
 B 163

VGX241 AB 21183+1016

AC
 AD
 DE

(30)*
 (30)?
 30/5
 30/5!
 (31)*, 274!!
 32/5
 32?
 32/5, 424!
 32/5

Nm visualis!

0,3"

AB 0,4"

B
 B+REF
 B
 O
 BEP

B *

420
 420
 420?
 421
 421
 421?
 421?
 421?
 421
 421
 421
 422
 422

W	✓	(32)(2470)	2, KR, DG
39	✓	(E516)	KR, DG
55	✓	(E590)	KR, D8,
E570	✓		KR, D7
E576	✓		KR,
66	✓	(E642)	D8,
E649	✓		D8,

44/8
 44/8
 45/8
 47/8
 47/8
 57/10
 57/10

ERI

B
 B
 C
 D
 D
 O

GEM

α	$\checkmark$	(ST 1110)	501!! 2, KR, D11?
ψ	$\checkmark$		
15	$\checkmark$		D12
$\Sigma 1081$	1		
$\Sigma 1083$	$\checkmark$		KR
$\Sigma 1124$			
ϕ		($\Sigma 1068$)	KR, D14
S	AB	(DE 81490)	
	AC		
	AD		
	AE		
45		(DE 165)	D13
$\Sigma 1027$			
$\Sigma 1035$			
1		($\Sigma 1061$)	D13
56			D14
VG214	HC 7020	7222 + 2002	
VG245		07213 + 2010	

(38), 59/11, 62/11
244
244
(244)* 367*
244, 367
284
308!
366
366
366
366?
366
366
366
366!
367?
367?
367!

6

3

6

0

2302
23420
234158
234188

M35

KR 721
KR 022
KR 022
KR 022

PL 309
NY 281 *
NY 280
NY 280

HER

He	✓	(ST 2010)	D27, KR,	(6)* 120/15	C
100	✓	(ST 2280)	D31, KR,	6, 120/15	
9	✓	(ST 2461)	D29, 2, KR,	(7)* 17/3	B
10	✓	(ST 3127)	D29, 2, 1,	17/3	B
5	✓	(ST 2084)	D28, KR,	17/3 *	0
7	✓	(ST 2220)	D30	(17)* 91?!! 95!!? 97? 500? 310?	BEP *
95	✓	(ST 2264)	D30, 2, KR,	17/3; 104?	B+B
OST 358	✓		D31, KR	17/3	B
m (36/37)	✓		D28, KR,	17/3, 314!!	BEP
i (43)	✓			24/4!!	C
x ¹ -x ²	✓	(ST 2140)	CSA, D29, 2, 1, KR,	(24)? 25!!	B
Σ 2048	✓		D28,	27/4, 264!!	B
Σ 2052	✓		D28,	64? 76/12	B
Σ 2084	✓			65/11	BEP
Σ 2104	✓	16469+3600		65/11 !!, 330!!	
Σ 2101	✓	16440+3543		70/12	
23	✓	Kui 72	D27	75/12	
Σ 2069	✓		D28	91?	B
Σ 2097	✓			91/13	D
Σ 2059	✓			91/13	
46	✓	(Σ 2095)		91!!/13	
Σ 2098	✓			93!!? 97?	
31	✓			95/14	
Σ 2061	✓		D28	95!!/14	
Σ 2107	✓			97?	D
56	✓	(Σ 2110+)	D28	97/14	
DE 307	✓		D29	97? *	BE
Σ 2015	✓			97/14	D
Σ 2024	✓			97/14	
Σ 2030	✓		D27	97/14	
Σ 2063	✓			98/14	C
Σ 2068	✓		KR, D28	98/14	
42	✓			98/14	B
52	✓		(D28)	98/14	
Σ 32	✓			98?	B+B
(Σ 32 A)	✓	A 1874		98/14	
OE 313	✓			99/14	
Σ 2091	✓			99? * 186	
Σ 2120	✓			99? (186) *	
Σ 2165	✓			100/14	
Σ 2192	✓			101/14	
Σ 2194	✓			101/14	
Σ 2213	✓			101/14	
Σ 2232	✓			101/14	
Σ 2259	✓		KR,	101/14	
Σ 2247	✓			101/14	
Σ 2263	✓			101/14	
Σ 2142	✓		D29	101/14	
Σ 2178	✓			103/15	C
OE 324	✓			103? *	
C	✓	Hu 1176	(D29)	103?	
n (68)	✓	(OE 328)	D29	103/15	BE
					C

HER (polytárs)

OE 341 ✓
 E 2289 ✓
 OE 346 ✓
 E 2310 ✓

(D30)
 KR, D31

B 641

E 2319 ✓
 E 2330 ✓
 E 2339 ✓
 OE 359 ✓
 E 2360 ✓

D31

B 645

110 ✓
 E 2401 ✓
 E 2399 ✓
 E 2411 ✓
 E 2415 ✓

Ho 426
 Es 471
 Ho 78

E 2292 ✓
 E 2308 ✓
 E 2315 ✓

D31

D15

E 2215 ✓

D30

D29

D29

B 822
 Petry (14028+150)
 A 2183
 A 2184

E 2037

124!! * / 15, 187?
 124 / 15, 344!!
 125 / 15
 125 / 15
 (125) *
 125!! / 15
 125 / 15
 125 / 15
 125! * / 15, 187!
 126 / 15
 126?
 126?
 126 / 15
 126 / 15
 126 / 15
 126 / 15
 (127) *
 (127) * 187
 127?
 (127) * 187!
 127 / 15
 (127) * 187?
 185
 264?
 264?
 264?!! *
 264?
 (265) *
 (331) *

BE
 B

BE

E 2147 ✓
 E 2162 ✓
 E 2168 ✓
 E 2224 ✓
 E 2239 ✓
 OE 329 ✓
 E 2246 ✓

B 417
 Ho 73

E 2257 ✓
 E 2242 ✓
 E 2258 ✓
 E 2051 ✓
 E 2056 ✓
 E 2062 ✓
 E 2189 ✓
 E 2203 ✓
 90 ✓

Hu 235

E 2267 ✓
 E 2282 ✓
 OE 344 ✓

B 1127

Hu 674

VGYS1

18082 + 5017
 ES 633

E 2277 ✓
 E 2021 ✓
 E 2040 ✓
 E 2079 ✓
 E 2085 ✓
 E 2083 ✓
 E 2087 ✓
 E 2115 ✓

(49 Ser)

(W, A) ✓
 W

B 625

E 2103 ✓
 E 2109 ✓
 E 2115 ✓
 OE 318 ✓
 99 ✓
 E 2135 ✓
 E 2137 ✓
 E 2160 ✓
 E 2182 ✓
 E 2190 ✓
 OE 330 ✓

h 1303

OE 338 ✓
 E 2245 ✓

G210
 G341
 G229
 G205

M92
 M13

D29

D30

D31

D30

KR

D29

D28

D28

D29

D31

D29

D30

D30

(D30)

KR,

KR

KR

GL1, KR

(ESA), GL1, (2), KR,

(103)3

103?
 103 * 105 *
 103 / 15
 104 / 15
 104 / 15
 104 / 15
 104 / 15
 105 *
 105 *
 105 / 15
 105 / 15
 105 / 15
 107 / 15
 107 / 15
 107 / 15
 111 / 15
 111 / 15
 111 * 116?
 111 * 116?
 112 *
 112?
 112 / 15
 112 *
 112 / 15
 112
 116 *
 117 / 15
 dead set - mel.

121 / 15
 121 / 15
 121 / 15
 121 / 15
 121 / 15
 (121) * 122 / 15
 122?
 (122) * 331!

122 / 15
 122 / 15
 122 / 15
 122 / 15
 122 / 15
 122 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 / 15
 123 * 265!
 124 / 15
 124 / 15

PL 330
 GH 116
 GH 98 / 14
 GH 17 *

HYA

8	✓ S 651	D23, KR	82/12	B
54	✓	KR, D25	83/12	B
59	✓	D25	83? 89? 92!/13	B
Σ 1347	✓	KR,	175	
Σ 1348	✓	KR,	176	
Σ 1355	✓	KR, D18	210	C
Σ 1365	✓	KR	210	
	✓ Weisse 21		245	
27 (P)	AB ✓	D18	245	C
	BC	D18	245	C
29	AB	D18	245	C
	✓ AC	D18	286?	C
	✓ S 212		246? 286?	D
19		D17	(284) 284!	
23		D17	284?	B
	AB A 1342	D18	284?	B
	AC	D18	286?	BE
			286?	D

BCH Zettdoorzetting nab-Edel jelszei:

SE = F. G. W. Struwe

OS = O. Struwe

h = J. Herschel

Δ = J. Dunlop

B = S. W. Burnham

A = R. G. Aitken

AC = A. C. Clark

Rst = R. A. Rossiter

Arg = F. Argelander

Hwc = H. A. Howe

Cor = Cordoba Obsv.

ES = T. E. Espin

Hu = W. F. Hussey

I = R. T. Innes

A = T. J. J. See

Rmb = C. Runkler

HO = G. W. Hough

B = W. H. van den Bos

Hn, Hlat = ~~E. S.~~ E. S. Holden

Kui = G. P. Kuiper

S = J. South

Egyesült a BCH - ban

41.

A Southern név valamire az én is BCH főzetben: napirel
lehet, hogy én tévedtem az egy való Erdőben! Nem tudom, hogyan
került be a téves név, mindegy már.

Papp S. 1986. 02. 14.

(T 17/1)

ALZ ATLAS COELI - II - ÖL készült
diatrisz táblalma

BEVÉTELES KATALÓGUS

- | | |
|--------------------|---------------|
| 1) And - Ayr | 10) Leo - Lyn |
| 2) Ayr - Boo | 11) Lyn - Oph |
| 3) Boo - Cha | 12) Oph - Psc |
| 4) Cha - Centaurus | 13) Psc - Aqr |
| 5) Centaurus - Crv | 14) Aqr - Tau |
| 6) Columba - Cyg | 15) Tau - UMa |
| 7) Cyg - Eridanus | 16) UMa - Vir |
| 8) Eridanus - Her | 17) Vir - Lib |
| 9) Her - Leo | |

KÉRTŐL - GYILLAGOK

19)	00	h	00	m	0	-	00	h	11	m	1
20)	00		12		3	-	01		17		6
21)	01		20		1	-	02		00		8
22)	02		01		2	-	02		50		6
23)	02		50		7	-	03		31		2
24)	03		37		8	-	04		13		0
25)	04		13		7	-	04		38		9

26) 04	h	39	m	5	-	05	h	13	m	0
27) 05		14		5	-	05		32		8
28) 05		32		9	-	05		56		2
29) 05		56		3	-	06		23		8
30) 06		24		3	-	06		47		7
31) 06		48		3	-	07		15		2
32) 07		16		6	-	07		41		4
33) 07		44		6	-	08		11		6
34) 08		11		6	-	08		38		5
35) 08		38		5	-	09		14		2
36) 09		14		9	-	09		50		7
37) 09		52		3	-	10		110		3
38) 10		110		7	-	11		26		2
39) 11		26		4	-	12		08		3
40) 12		08		4	-	12		58		0
41) 12		58		6	-	13		40		5

42)	13	h	40	m	2	-	14	h	30	m	1
43)	14	/	30		2		15		09		4
44)	15		10		5		15		15		1
45)	15		46		4		16		18		2
46)	16		18		2		16		50		7
47)	16		51		5		17		73		2
48)	12		26		0		18		04		8
49)	12		05		1		18		40		8
50)	13		10		8		19		06		8
51)	19		06		8		19		14		7
52)	19		44		7		20		15		3
53)	20		15		3		20		45		6
54)	20		46		3		21		23		8
55)	21		26		4		22		21		5
56)	22		21		5		22		53		4
57)	22		51		3		22		31		5
58)	23		32		4		23		59		8

NYILT HAZMAZOK

59) 00 L / 22 m 6 - 05 h 51 m

60) 05 58 1 07 46

61) 07 50 5 11 17

62) 11 23 3 16 52

63) 16 55 1 19 06

64) 18 19 0 23 54

FOMBAZMAZOK:

65) 00 21 9 11 16

66) 11 15 6 23 05

PLANETARIUS KÖDÖK

67) 00 10 2 14 19

68) 15 09 1 19 02

69) 18 03 2 23 24

DIFFERENTIAL KODOK (TEJNOK)

3	70) 00	h	10	m	7	-	05	h	17	m	0
8	71) 05		12		9		06		08		1
2	72) 06		08		7		13		21		1
7	73) 13		29		9		19		110		5
2	74) 19		110		7		23		59		9

EXTRA GALAXISOK:

75) (LAKES)

2	76) 00		00		7		01		22		1
7	77) 01		22		9		02		110		2
	78) 02		41		2		04		34		7
3	79) 03		34		7		04		18		9
0	80) 04		21		0		08		35		0
2	81) 05		35		1		09		19		1
	82) 08		21		2		10		01		7
	83) 10		02		8		10		41		3

84) 10	2	12 m	3	-	11 h	15 m	9
85) 11		16	3		11	14	6
86) 11		45	0		12	03	0
87) 12		03	0		12	16	3
88) 12		16	4		12	24	3
89) 12		24	4		12	33	5
90) 12		33	6		12	15	8
91) 12		46	0		12	58	4
92) 12		58	8		13	29	1
93) 13		33	0		14	12	6
94) 14		14	1		15	02	9
95) 15		06	0		18	52	3
96) 18		52	9		24	57	1
97) 24		14	8		23	12	2
98) 23		43	5		23	56	5
99) (GRES)							
100) (GRES)							

TABLE I. DOUBLE STAR DESIGNATION CODES

Designation	IDS Code	Discoverer or Work	Designation	IDS Code	Discoverer or Work	Designation	IDS Code	Discoverer or Work
2	BU	S. W. Burnham (1838-1921)	Frk	FRK	W. S. Franks	Mil	MIL	J. A. Miller
3 pr	BUP	Burnham's measures of proper-motion stars, 1913 catalogue	Fur	FLUR	H. Furner	Milb	MLB	W. Milburn
4	DUN	J. Dunlop	GC	STG	G. Struve (1826-1833)	MilbO	MLO	Melbourne Observatory, Australia
5	DAW	B. H. Dawson (d. 1960)	Gale	GLE	W. F. Gale	Milr	MLP	Frank Muller
5	STF	K. G. Wilhelm Struve (1793-1864), Dorpat catalogue of 1827; <i>rej</i> means the pair was rejected from his later series of measures, usually because it was considered too wide	Gan	GAN	G. Anderson	Milr	MUL	Paul Muller
			Giles	GIC	Henry L. Giles	NZO	NZO	New Zealand Observatory
			GI	GLI	J. M. Gillies		STT	Otto Struve (1819-1905), Pulkovo catalogue, 1843; <i>rej</i> means rejected for various reasons in the 1850 revision, often because the pair was considered too wide to merit close attention
E 1		W. Struve, first suppl.	GIp	GLP	S. de Glasenapp			
E 11		W. Struve, second supplement	Gol	GOL	H. Goldschmidt			
6	FIN	W. S. Finson (1903-99)	Goyd	GYL	A. N. Goyd			
A	A	R. G. Allen (1864-1951)	Gib	GSH	J. Glisher			
Abetti	ABT	Giorgio Abetti (1862-1982)	Gib	GTB	K. Gütlib			
AC	AC	Alvan Clark (1804-87)	Gil	GLI	J. Guillaume			
A.G.	AG	<i>Astronomische Gesellschaft Katalog</i> , 1875	H 1	H	William Herschel (1739-1822). Classes assigned in 1752-84 catalogues: I, difficult; II, close but measurable; III, 5"-15"; IV, 15"-30"; V, 30"-1'; VI, 1'-2'.			
AGC	AGC	Alvan G. Clark (1831-97)	H 11	H2	W. Herschel's 1821 cat.			
Alden	ALD	H. L. Alden (1890-1964)	H 111	H3	John Herschel (1792-1871)	OL	OL	C. P. Olivier (d. 1975)
Ali	ALI	A. Ali	H 1111	H4	Hermann Struve (1817-1920)	Opk	OPK	Ernst J. Opik (b. 1893)
Allen	ALL	R. M. Allen	H 11111	H5	Asaph Hall (1829-1907)	Par	PAR	J. A. Parkhurst
A-g	ARG	P. W. A. Argelander (1799-1875)	H 111111	H6	H. C. Wilson	Per	PER	J. Perrotin
B	B	Willem H. van den Bos (1896-1974)	HCWils	WHC	Harvard Observatory, U. S. A. (and stations elsewhere)	Perry	PRY	J. J. M. Perry
Bail	BAI	R. Bailloud	HDO	HDO	Harvard Observatory, U. S. A. (and stations elsewhere)	Plq	PLQ	E. Pajouque
Baize	BAZ	Paul Baize	Hdz	HDZ	Harvard zone catalogues	Pol	POL	J. A. Pollock
Barnard	BAR	B. E. Barnard (1837-1923)	Hld	HLd	E. S. Holden	Pou	POU	A. Pourtau
Bhat	BHA	T. P. Bhaskaran	Hlm	HLm	F. Holmes	Pro	PRO	Park Observatory, Australia
Big	BIG	G. Bigourdan	Hln	HLn	Frank Holden	Prz	PRZ	E. Przybylo
Bird	BRD	P. Bird	Hn	HO	G. W. Hough (1836-1909)	Ptt	PTT	Edison Pettit (1889-1962)
Bloch	BLC	M. Bloch	Hooke	HOO	Robert Hooke (1635-1703)	Pz	PZ	G. Piazzi (1746-1826)
BrcO	BSO	Brisbane Observatory, Australia	Howe	HWF	H. A. Howe	R	R	H. C. Russell
Br	BR	S. G. Barton	Hrg	HRO	L. Hargrave	Richard		Jean Richard (1613-93)
Brz	BRZ	E. Bernawitz	Hst	HTO	C. S. Hastings	Rmk	RMK	C. L. C. Rümker
CapO	CPO	Cape Observatory, South Africa	Hu	HU	W. J. Hussey (1862-1926)	Roe	ROE	E. D. Roe
Che	CHF	P. S. Chevalier	Huygens		Christian Huygens (1629-95)	Rst	RST	R. A. Rosser (1886-1977)
Com	COM	G. C. Comstock	Hynek	HEI	J. Allen Hynek	S	S	James South (1785-1867)
CorO	COO	Cordoba Observatory, Argentina	Hag	H2G	E. Harnprung (1873-1962)	S,h	SHJ	Janus South and J. Herschel (joint 1824 catalogue)
Cou	COU	Paul Couzin	I	I	R. T. A. Innes (1861-1935)	Schb	SHB	J. M. Schaeberle
Cris	CRJ	L. Cruls	I	I	Robert J. J. See (1866-1962)	Schj	SCJ	H. C. F. C. Schjellerup
Darjon	DAN	Andre Darjon (1890-1967)	I	I	Robert J. J. See (1866-1962)	Se	SE	J. L. Scott
Dawes	DA	W. R. Dawes (1799-1858)	I	I	Robert J. J. See (1866-1962)	See	SEE	A. Secchi (1818-1878)
Dem	D	Brooke Dembowski	I	I	Robert J. J. See (1866-1962)	Sei	SEI	T. J. J. See (1866-1962)
Dick	DIC	J. Dick	I	I	Robert J. J. See (1866-1962)	Slr	SLR	J. Scheiner (1828-1913)
Dju	DJU	P. Djurkovic	I	I	Robert J. J. See (1866-1962)	Smart	SMA	R. P. Sellers
Do	DO	W. A. Deberck	I	I	Robert J. J. See (1866-1962)	Smyth	SMY	W. M. Smart (d. 1975)
Dom	DOM	Jean Dommanget	I	I	Robert J. J. See (1866-1962)	Sp	SP	W. H. Smyth (1788-1865)
Don	DON	H. F. Donner	I	I	Robert J. J. See (1866-1962)	St	ST	G. V. Sclaparelli (1835-1940)
Doo	DOO	Eric Doublet (1869-1920)	I	I	Robert J. J. See (1866-1962)	Stn	STN	Carl L. Stearns (d. 1972)
Dorpat	DOR	Dorpat Observatory, Estonia	I	I	Robert J. J. See (1866-1962)	Sty	SYO	J. Stein
Edg	EDG	D. W. Edgeworth	I	I	Robert J. J. See (1866-1962)	Sty	SYO	Osmond Stone
Eggen	EGG	Olaf J. Eggen	I	I	Robert J. J. See (1866-1962)	Sty	SYO	Sydney Observatory, Australia
Es	ES	T. E. H. Espin (1858-1914)	I	I	Robert J. J. See (1866-1962)	Sty	SYO	E. J. Tarrant
Fl	FL	J. O. Fleckenstein	I	I	Robert J. J. See (1866-1962)	Sty	SYO	George Van Biesbroeck (1880-1974)
For	FOR	L. Forgeron	I	I	Robert J. J. See (1866-1962)	Sty	SYO	J. G. E. G. Voite
Fox	FOX	Philip Fox	I	I	Robert J. J. See (1866-1962)	Sty	SYO	I. W. Ward
Franz	FRZ	J. Franz	I	I	Robert J. J. See (1866-1962)	Sty	SYO	T. W. Webb (1807-1885)
Frh	FRH	R. Furuhjelm	I	I	Robert J. J. See (1866-1962)	Sty	SYO	M. Weiss
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	R. W. Wrigley
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	R. H. Wilson, Jr.
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	Carl Wirtz
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	F. A. Winnecke
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	U. S. Naval Observatory, Washington, D. C.
			I	I	Robert J. J. See (1866-1962)	Sty	SYO	Charles E. Worley

Hege d^{us} Tibor (Bafa, CSV.) 1986. 04. 16

LIST OF DISCOVERERS AND THEIR CODE DESIGNATIONS (TABLE I)

A	Aitken, R. G.	EDG	Edgecomb, D. W.	KNT	Knott, G.	SCJ	Schjellerup, H. C. F. C.
ABT	Abetti, G.	EGB	Egbert, H. V.	KOP	Kopal, Z.	SCT	Scott, J. I.
AC	Clark, Alvan	ELS	Ellison, M. A.	KR	Krueger, A.	SE	Secchi, A.
AG	AG Cat.	EN	Engelmann, R.	KRU	Kruger, E. C.	SEE	See, T. J. J.
AGC	Clark, Alvan G.	ES	Espin, T. E. H.	KU	Kustner, F.	SEI	Scheiner, J.
ALD	Alden, H. L.	FEN	Fender, P. G.	KUI	Kuiper, G. P.	SHB	Shaeberle, J. M.
ALG	Algiers Obs.	FIL	Filippoff, M. L.	L	Lewis, T.	SHJ	South and J. Herschel
ALI	Ali, A.	FIN	Finsen, W. S.	LAL	Lalande, F. de	SHR	Schiller, K.
ALL	Aller, R. M.	FLK	Fleckenstein, J. O.	LAM	Lamont, J. von	SKI	Skinner, A. N.
ANJ	Anderson, J. A.	FOR	Forgeron, L.	LAR	Larink, J.	SLO	Slocum, F.
ANR	Andersen, R.	FOX	Fox, P.	LAU	Lau, H. E.	SLR	Sellers, R. P.
ARC	Archer, S.	FRH	Furuhjelm, R.	LBZ	Labitzke, P.	SMA	Smart, W. M.
ARG	Argelander, F.	FRK	Franks, W. S.	LCL	Lacaille, N. L.	SMW	Simonow, G. V.
B	van den Bos, W. H.	FRZ	Franz, J.	LDS	Luyten, P. M. Cat.	SMY	Smythe, W. H.
BAL	Baillaud, R.	FUR	Furner, H.	LEE	Lee, O. J.	SOL	Sola, J. Comas
BAR	Barnard, E. E.	GAL	Gallo, J.	LEO	Leonard, F. C.	SP	Schlaparelli, C. L.
BAT	Batterman, H.	GAN	Anderson, G.	LOH	Lohse, O.	ST	Stearns, C. L.
BAZ	Baize, Paul	GAU	Gauchet, P. L.	LPM	Luyten P. M. Cat.	STE	Stephenson, B.
BDG	Bond, G. P.	GCB	Giacobini, M.	LPO	La Plata Obs.	STF	Struve, F. G. W.
BEM	Bemporad, A.	GLE	Gale, W. F.	LSL	Lassell, W.	(App)	I
BHA	Bhaskaran, T. P.	GLI	Gilliss, J. M.	LUY	Luyten, W. J.	(App)	II
BID	Bidelman, W. P.	GLP	Glasenapp, S. de	LV	Leavenworth, F.	STG	Struve, G.
BIG	Bigourdan, G.	GOL	Goldschmidt, H.	LYO	Lyons, U. S.	STH	Struve, Hermann
BLO	Bloch, M.	GRB	Groombridge, S.	MA	Madler, J. H.	STI	Stein, J.
BNW	Baranow, W. A.	GSH	Glaisher, J.	MH	Mitchell, O. M.	STN	Stone, O.
BOH	Bohlin, K.	GTB	Gottlieb, K.	MIL	Miller, J. A.	STO	Storey, J.
BOW	Bowyer, W. M.	GUI	Guillaume, J.	MLB	Milburn, W.	STT	Struve, O.
BRD	Bird, F.	GYL	Goyal, A. N.	MLF	Muller, F.	(App)	
BRF	Brown, F. L.	H	Herschel, W.	MLI	Mitchell, S. A.	SWI	Swift, L.
BRT	Barton, S. G.	I		MLO	Melbourne Obs.	SYO	Sydney Obs.
BSO	Brisbane Obs.	II		MOT	Motherwell, R. M.	TAR	Tarrant, K. J.
BTN	Burton, H. E.	III		MGR	Morgan, H. R.	TAY	Taylor, P. H.
BTZ	Bernewitz, E.	IV		MHZ	Markowitz, W.	TRU	Trumpler, R. J.
BU	Burnham, S. W.	V		MUL	Muller, P.	TUC	Tucker, R. H.
BUP	Burnham P. M. Stars VI			NZO	New Zealand Obs.	UPT	Upton, W.
CHE	Chevalier, P. S.	HN		OL	Olivier, C. P.	VAT	Vatican
CLS	Collins, W. H.	HAM	Hammond, J. C.	OPI	Opik, E.	VBS	van Biesbroeck, G.
CLU	Clouet, B.	HDO	Harvard Obs.	OST	Oosterhoff, P. Th.	VDK	Vanderdonck, J.
COG	Cogshall, W. A.	HDZ	Harvard Zones	PAN	Parkhurst, J. A.	VOU	Voute, J. G. E. G.
COH	Cohn, F.	HER	Herbig, G.	PER	Perrotin, J.	VYS	Vysotsky, A. N.
COM	Comstock, G. C.	HIL	Hill, Laura E.	PHL	Phillips, T. E. R.	WAL	Wallenquist, A.
COO	Cordoba Obs.	HJ	Herschel, J. F. W.	PHS	Pritchett, H. S.	WAM	Wamer, W. P.
COP	Copeland, R.	HL	Hall, A.	PLQ	Palogue, E.	WAR	Ward, I. W.
COU	Couteau, P.	HLD	Holden, E. S.	POC	Pucok, A. J.	WEB	Webb, T. W.
COX	Cox, G. W.	HLM	Holmes, E.	POL	Pollock, J. A.	WEI	Weisse, M.
CPD	Cape Phot. Durch.	HO	Hough, G. W.	POT	Potsdam Obs.	WEY	Weymouth, C. A. G.
CPO	Cape Obs.	HRG	Hargrave, L.	POU	Pourteau, A.	WG	Wrigley, R. W.
CRU	Cruls, L.	HRS	Harris, D. L.	PRN	Perrine, C. D.	WHC	Wilson, H. C.
D	Dembowski, E.	HTG	Hastings, C. S.	PRO	Perth Obs.	WHE	Wood, H. E.
DA	Dawes, W. R.	HU	Hussey, W. J.	PRY	Perry, J. J. M.	WIR	Wirtanen, C. A.
DAN	Danjon, M. A.	HWE	Howe, H. A.	PRZ	Przybyllok, E.	WNC	Winnecke, A.
DAW	Dawson, B. H.	HZG	Hertzprung, E.	PTT	Pettit, E.	WNO	Wash. Naval Obs.
DIC	Dick, J.	I	Innes, R. T. A.	PZ	Piazzi, G.	WOH	Wood, H.
DJU	Djurkovic, P.	J	Jonckheere, R.	R	Russell, H. C.	WOR	Worley, C.
DOB	Doberck, W. A.	JC	Jacob, W. S.	RAB	Rabe, W.	WRH	Wilson, R. H. Jr.
DOM	Dommanget, J.	JEF	Jeffers, H. M.	REU	Reuyt, D.	WYL	Wylic, L. R.
DON	Donner, H. F.	JNS	Jones, G. L.	RMK	Runkler, C.	WZ	Wirtz, Carl
DOO	Doolittle, E.	JOH	Johnson, E. L.	ROE	Roe, E. D.	YNG	Young, C. A.
DOR	Dorpat	JOY	Joy, A. H.	RST	Rossiter, R. A.		
DU	Duner, N. C.	JSP	Jessup, M. K.	S	South, J.		
DUN	Dunlop, J.	KAM	van de Kamp, P.	SAN	Sanford, R. F.		

1983. 10. 15-től beírás páronként külön sorba.

A = legfeljesebb

B-C-... = távolság szerint növekvően

✓ | Számítógépes nyilvántartással felvéve / 1986. 07. 01.
énekléseket közvetlenül az éneklőnaplóból innen
itt után már nem jeltőlom! /

Anonim kettősök azonosító száma felvéve 1982. 01. 01.

A 1981. 10. 04. utáni éneklések jegyzékbe vétele
1986. 07. 27-30.

A számítógépes kettősnilvántartás saját éneklő
naprakészévé tétele megtörtént 1987. 02. 08-án

A jelen füzet (folyamatos) vétele 1987. 01. 01-től
felfüggesztve.

KETTŐSCSILLAG

MÉLY-ÉG

észlelések jegyzéke

LAC

VAY108 AB 21380 + 3900 SEI 1549

AC
AD

252

252

252

VAY108 21597 + 3906 SEI 1550

252

LEO

ST 1424	CGA' D19(2), 1' KR	13/2, 249H	BET
STG App II	D19, 1' KR,	(13)* 71/12	C
ST 1487	D20, KR,	13/2	B
DE 215	D19	51/9	BE
90	D21, KR,	56/10, 90!!/13	B
2	(E 1552)	71/12	
83	11254 + 0302	71/12	
(E 1540)	KR, D20	73/12, 177	B
E 1521	KR,	88/13	
E 1482		90? 349!!	
E 1517	11110 + 2024	90? 177? 178* 349?	D
E 1527	KR, D20	90!!/13	
E 1537		90/13	B
88	(E 1547)	90!!/13	
E 1558 AC	D21	90? 93?	
AB		90/13	
E 1565		90/13	
93		90? * 93?	C
E 1582	h 1201 D21	90/13	
h	(6)	92/13	
49	(TX - E 1450)	92? * 177	
55	D18	92?	C
E 1457	D19	92/13 SEX!	B
E 1503	D20	92/13	
E 1504	B 603 D21	93?	BE
E 1511		94/13, 246	
2	(E 1536)	94/13, 246	
X	D20	(94)*	BE
65	D20	94?	B
E 1389	D20	95?	B
E 1360	KR,	174, 244	
E 1431		176	
3		177	
DE 204	D18	211	C
0		211!!	
31		211	
E 1419	D19	211?	C
E 1426		211	
AC		211!	
DE 227		211	
45		211? 212!	
E 1353	D19	211? 211	O
E 1364		213	
AB		213	
AC		213	
7	D18	213	
DE 102	09325 + 1418	213	C
HN 29	D18	213	
E 1506		246	D
E 1507		350?	
E 1518		350!	
1624	16264 + 0319	350	
		443	

Terres aron. →

LEP

41?

38?

(E661)

h 3752

S476

S473

h 3750

h 3759

(CSA), 1L, KR, D10,

KR, D8

KR, D9

KR, D9

D9

D8

57/10 *

(57) *, 307

(57) *

57/10!

307

307

307

D
C
B
?
?
C

$x^1 - x^2$

✓ SG73 CSA?
 ✓ HAZ & SL 190 KR, D2G.
 ✓ SL 179 AB KR, D25
 ✓ SL 179 BC = B225 KR, D24
 ✓ KR, D25
 ✓ D25
 ✓ D25

 μ
 5
 $\Sigma 1939$

✓ U 309
 ✓ 15248-1046
 ✓ L 4783

D2G
 KR, D2G

 $\Sigma 1962$

SL 213

B 119

 $\Sigma 3091$

✓ 15563-1948
 ✓ 15029-0649

18

B 346
 (Σ 1894)

D25

18/3

63/11

63/11

89/13

89? * 91? * 93/13

89/13

91? * 93?

93?!!

94/13, 102

102/15

102/15

106!!

115/15

115?

288

291*

B
 O
 B
 B
 B
 B

(DIE?)BF

C
 B

C

Σ 1374 ✓

208/20

LM1

LYN

4 ✓
 5 ✓
 12 ✓
 14 ✓
 15 ✓
 19 ✓
 £ 866 ✓
 £ 946 ✓
 £ 958 ✓
 £ 1001 ✓
 £ 1002 ✓
 £ 1025 ✓
 £ 1050 ✓
 20 ✓
 £ 936 ✓
 £ 960 ✓
 £ 968 ✓
 £ 1009 ✓
 £ 1033 ✓
 VGY 24 ✓
 £ 1044 ✓
 OZ 174
 OZ 189
 3 758
 OZ 193
 (£ 1384)
 £ 1289
 38
 £ 1342 ✓
 £ 1369 ✓
 £ 1472 ✓
 £ 3120 ✓
 £ 1333 ✓
 £ 1338 ✓
 KR, D11
 1, D11
 1, 2, KR, D12
 D13
 D13
 1, KR, D14,
 1
 1
 1, KR, D12?
 1,
 1,
 1,
 1,
 1, KR,
 1,
 1,
 1, KR, D13
 £ 1032
 D14
 D15
 D14
 D18, KR,
 KR, D18
 KR, D18,
 KR, D18,

AB Aug 68

(A£)

08358+4450T

49? *
 49/9
 49/9
 49?
 49?!! 54? * (58) * 65?
 48/9
 49/9!!
 49/9
 48/9
 49/9!! * 54? *
 48/9
 48/9
 48/9
 55/10
 (54) * (58) * 63?
 54/10
 54/10
 55/10
 (55) * (58) * 62/11
 55? (58) *
 55
 (58) * 62/11
 58!!/11
 58!!/11
 (58) *
 59/11
 59/11!! 205/26
 59/11
 59/11
 62?
 62?
 62/11, 205/26
 62/11, 205/26
 426!!
 426!!
 426!!

B
 D
 BEP
 BE
 B
 B

C

B

B
 D
 C+B

B

?

B
 BEP

LYR

$E^1 - E^2$	(ST 37 App 1)	(JAZ 1 D32! 1! KR,	(2)*, 4, 14/2, 321!! 322	C
E^1	(ST 2332)	1 D32! (2) 1! KR,	(2) $\times$ (4)*, 5, 14/2, 501!!	BEP
E^2	(ST 2383)	1 D32! (2) 1! KR,	(2)* (4)*, 5, 14/2, 501!!	BEP
$E^1 - E^2$	(ST 38 App 1)	1 D32, 1! KR,	4, 5, 14/2*, 123*	C
* $O^1 - O^2$			5	nen katalogisiert
$B^1 - B^2$	(ST 39 App 1)	CSA! D32! 1! KR,	5! 123/15	?
n	(ST 2484)	D33, KR,	14/2	?
$E^1 2434$		D32	117/15	?
$E^2 2351$	18346 + 4444		117/15	
$B^1 134$	18239 + 4654		118*	
$E^1 2380$	18414 + 4452		118/15	
$E^1 3130$	18544 + 4410		117?*	
VGYS8	18431 + 4454	WEB	118	
$E^2 2372$		D31	123/15, 432!!	?
α		KR, 2	127/15	
D^1		D32	128!!/15	0
VGYG4	18478 + 3217		128	
$O^1 2$		D32	128*/15	O+D
$O^2 525$	Sh 282	D32	128/15	?
	(Sh 282, A")	D32	128?	?
17	B 648	D32	(128)*	BE
$E^1 2470$	(E 2461)	D32	133/16	B
$E^2 2474$		D33	133/16	D
$E^2 2481$		D33	133/16	B
$O^2 371$		D33	133/16	B+BE
VGY93	19170 + 2605	D33	133/16	B+D
$D^1 9$	19028 + 4348		(227)	
VGY163	19033 + 4355		323?	
VGY166	19092 + 4441	A 2857	323	
$E^1 2448$			324?, 327!!	
$E^1 2427$	BC		382!	
AG 227	AB		382, 385	
Ali 614	19036 + 3758		385	
	19034 + 3758		383, 386	
	ES 2033		383, 386	
$E^1 2473$	AC		385!!	
$E^2 2472$	AB		385	
$E^2 2469$	(BC)		386	
	AB		386	
	AC		387	
$E^1 2466$			387!!	
$E^2 2483$			387	
$E^2 2441$			387!	
$E^2 2480$			388	
$O^2 366$			388!	
$O^2 367$			388!!	
$E^1 2505$			391	
ES 2489			391	
$E^1 2481$	AB		391?!!	
	AC		392!!	
	AD		392	
$E^1 2349$		D31	392	
			431	

Σ 2352

Ku (1848+33)
AB
AC
(AD)

Σ 2356

Σ 2362

Σ 2367

AB

AC

AD

AE

Σ 2378

AB

AC

(AD)

Σ 2376

AB

AC

Σ 2382

AB

AC

Σ 2383

AB

AC

Σ 2380

Σ 2397

431!!

432

432

432

432? 434?

434

—

434

434? *

434

435

435

435

435

435

435

435

436 !!

436

436!!

436!

MIC

C

α ✓
Stn 53
4 5248
V&Y136

D36
20448-2756
20423-3040
B254
21120-3112

1307134/16
269!
270?
271? 274?
274

MON

$$\begin{array}{r} \beta \\ \Sigma \\ \Sigma \\ \Sigma \end{array} \begin{array}{r} 953 \\ 1183 \\ 15 \end{array}$$

VGY 87
Bal 768

Σ 1043

Σ 1045
Σ 1111
Σ 1112

AB
AC
AB
AC
AD

$$\frac{AE}{AC}$$
$$\begin{pmatrix} \text{£ } 919 \\ \text{£ } 900 \end{pmatrix}$$

(Σ 950)
07074 - 0039
07078 - 0046

(£4120 + ?) D14

CSA, 1, 2, KR, D12,
KR, D11
KR, D12
KR, D15
[CSA] D12

51/10
52/10
51/10
52/10
56/10
207! / 20*, 346
346
346
(348)*
348
348
348?
348!
349!!
349
349

C
C
D
D
B

2346
2261
2264

N3, A113,
CSA, CL2, A128,

PL 206
DF 52/40
NY 51/40

OPH

53 (f) ✓ (ST 34 App!) CSA! D28! KR,
 61 ✓ (ST 2202) D30? KR,
 67 ✓ D30, KR,
 70 ✓ D30,
 72 ✓ CSA, D29
 80 126 ✓ D29, KR,
 68 ✓ D30!
 70 ✓ (ST 2272) D80! 2, KR,
 73 ✓ (ST 2281) D31!
 VGYφ 1803010354 Fox
 72 ✓
 ST 2276 ✓ D30, KR,
 7 ✓ (ST 2055) D28
 ST 2114 ✓ D29, KR,
 19 ✓ (ST 2096) D28
 21 ✓ (OST 315) D28
 ST 2244 ✓ D30
 Bu 637 ✓ D31
 7 ✓ (E 2262) D30, KR
 E 2106
 E 2105 16489 + 0114
 E 2088 + AC 16422 + 0225
 Rst 5414 16345 + 0021
 φ
 14
 AC
 Sh 240 KR, D28
 E 2005 + ? AB D27
 AC D27
 AD
 VGY 205 16028 + 0620
 E 2105 D28
 Rst 3939
 E 2048 D28
 U AC D28
 AC
 V 1054
 U
 E 2166 KR
 E 2186
 E 2012 + MB MTL
 (AL)
 (AD)
 E 2018 +
 V 252
 AB β 125
 AC
 AB
 AC
 AD
 AE
 36 KR
 0 (38) KR
 H 1 35

15/2 *
 18/3 * (31) *
 19/3
 19/3 (23) ? 359
 (49) * ?
 19/3
 20?
 20/3!!
 20? *!! (23) ? *
 20, 23 *
 20?
 20/3
 24/4!! 107, 184, (205)
 (24) *, 107/15/4 255
 24/4
 24?!! 185? 255?!!
 31?
 31?
 142/16
 185
 255, 24
 255!
 256?
 283?
 283
 293!
 305?
 354
 354
 355
 305?
 355?
~~355? 358!!~~
 356? 358?
 356
 358!!
 (319) *
 359
 359
 487
 487
 487
 487
 487
 488!! 499
 (513) *!!
 (513) *
 512
 512!
 512
 512?
 513
 513

B+C+C+B
 ?
 C
 ?+0+0
 BEP
 B *
 B
 BEP *
 BEP
 4p?
 B
 BEP *
 B
 C
 B
 B
 B
 BE

B
B
?

B

B
D

6572
6633
8336
104605

Barnard c.s.

MS

PL 2, 2, KR,
CC 5, KR,
GL 1, KR,
225, KR,

PL (31)* 385! 897!!
NY 20/3? 34?
GH 20/3
NY 11/3

ORI

W 1	✓ (ST 748)	D9, D10, 2, 1, KR,	(9) * (38)	?
W 2	✓ (ST 16 App 1)	D10, KR,	(9) *	C
2	✓ (ST 738)	D9, KR,	42/1, 312!!	?
52	✓ (ST 795)	D10, KR,	(12) *	B
OST 111	✓	D8,	42?	C
W	✓	D11!	42?	BE
ST 848	✓	LR	37/6	
3	✓ (ST 668)	1! CSA, 2, KR, D8!	41/8, 56!!	?+B
0	✓ (ST 14 App 1)	1! CSA, KR, D3,	46/8	C
2	✓ (ST 752)	1! 2, KR, D10,	46/8 *	?
Σ 747	✓	2, KR, D9	46/8	?
Σ 627	✓	KR, D8	41/8	?
W (23)	✓ (Σ 696)	KR, D9	41/8	?
14	✓ (DE 98)	KR, D8	42? 342? 377?	BEP *
Σ 692	✓ Wnc 2	KR, D9!	42/8, 57!!	B+BE
Σ 745	✓ 05324-0602		44/8	
0	✓ Kni 24	DM?	46 *	B
Σ 761	✓ (Σ 762)	1! 2, KR, D10	49?	B+C+C
Σ 614	✓	(2)	(55) * 56/10!	
Σ 667	✓		(55) * 56/10!	
Σ 688	✓		57/10	
Σ 701	✓		56/10	
8	✓ J 307	D9,	57/10	B
	✓ Rst 5501	D8,	57/10	* D+D
Σ 741	✓	D8,	56/10	D
Σ 751	✓		57?	
Σ 754	✓		209	
Σ 757	✓ AB		205	
Σ 758	✓ (Σ 757 C)		205	
Σ 757	✓ AC		205!!	
Σ 687	✓		205	
02 113	✓		282	C
Σ 766	✓		345	
16Y219	05011+1045	D10	345	C.D?
Σ 643	A 2042		377?	
			377 *	

2169
1976

J 320
M42

KR, CL2,
N2, MET 80/1!, 2, KR,

PL 3767
NY 37/6
DF (9) * (12) * (38)

ST2799 ✓
 E2841 ✓
 VGY16 ✓ 21536+1934
 E * ✓ AC
 3 (E56 App 1)
 E2848 ✓
 DE 4413 ✓ 21350+0630
 E2978 ✓
 B385 AB
 (HJ5532) ✓ AC
 B78 ✓ 23056+3111 AB
 ✓ AC
 E2974 AB ✓
 AC
 E2975 ✓ 23043+3245
 64 ✓
 72 ✓
 ✓
 (B1266) AB
 ✓ AC
 E3018
 E2920 ✓
 Fox ✓ 190024+26221 D1
 h 1697 21480+3435
 VGY111 21484+3437 h 1699
 B692 21479+3137
 Hu 371 D37
 8e AB D37
 AC
 A306 21589+2635
 D35 822 21418+0655
 VGY127 21414+0646 h 3053
 78
 E2878 D40
 E2861 D37, KR
 E2865
 * E
 02445 AB
 AB h 947
 AC
 VGY250 21533+1934
 VGY251 21502+2004

D37, KR²
KR, D37
ALL

KR, D37?
KR,
SM830240
KR, D39

D39
D39
D39

D37
D37

D40
D37, KR

32/15, 477
41/18, 485
41/18, 485
41/18, 476
43/18
43/18
43
187
187, 298?
197
197, 263!!
197, 263!!
197
197
198
199?
(199)* 298*
199?
199*
201
238
252
253
253
256?
256?
256!
257?
266!
266
298?
301
304!
304?
(476)* 484
484?!!
~~484~~
~~(484)*~~
~~485~~
485

B
D
C
B
B
BE
BE
D
B
BE
B
B

7127
7212
7331
7078

M. 15

KR, 522,
KR, 522,
KR, 522,
GL2, 2, KR,

GX 224
GX 239
GX 239
GH 82/36/C

PER

E ✓
 02531 ✓
 2162 ✓ AB
 AC
 AD
 2268
 2272
 0271 AB
 AC
 AD
 2331 AB
 AC
 A 1705

(ST471)
 (CSA) DG, KR,
 D3
 D3
 DG
 KR

28/4
 (200)*!!
 234!
 234
 234
 345
 345!
 373?
 373
 373
 468
 532!
 532

C
 B
 B
 O
 B
 B

1023

KR,

GX 202

PSA

2

AB
BC

H VI 119
HN 117

KR C
KR
KR

532 ?
532
532 ?

82 (8)

5

4

4

65 (i)

x

35

38

Σ 98

0Σ 26

27

Σ 8

Σ 45

AB
AC

/3488

100

AB
AC
AD

103

AB
AC
(AD)
(AE)
(AF)

AG 21

Σ 142

A3
AC

VGY 243

D1406 + 1542

(ST99)

(ST88)

(ST64)

(ST202)

(Σ 12)

(Σ 22)

D2

D2, KR

D2, KR

D2, KR

CSA, 2, KR, D3,

KR, D1,

KR, D1,

KR, D2

D2

D40

KR

(29)?

(29)?

29/5

29/5

29/5

38/6

43/8

43/8

29/5

29/5

302?

302

302

302?

302

302

302?

302?

424

424

424

424?

424? *!!

424

424

424

424

424

424

425!!

425? *

425!!

C

C

C

BEP

B

B+D

D

D

B

PUP

Σ 1120 ✓	S552	KR, D14	45/8	B
Σ 1121 ✓		KR?, D14,	(45)* 54/10!!	-C
Σ 1104 ✓		KR,	45/8	
Σ 1120 ✓		KR, D14,	(53)*	B
Σ 1120 ✓		KR, D14	54/10!!	C
Σ 1-2 (6)		2, KR, D14!	54/10	B
2 ✓	(Σ 1138)	KR, D15	54/10	B
5 ✓	(Σ 1146)	KR, D15	(54)*	B
9		D15		BEP

SCO

(CSA), KR
 CSA, D28, 2! KR
 CSA, D27! (2), 1! KR
 D27! 2, KR
 D27! 2, KR
 2, KR
 D27! 2! 1! KR
 D27! 1! KR, 2,
 D27, 1! KR, 2,
 KR, D28,
 D27

14/2
 (15)*
 15/2
 15/2
 15? (17), 354? 317? 360
 15/2, 354!!
 15/2 ~~15~~
 15/2, (16), 81
 (15), 81, 12
 102 (15)
 233?
 233!
 233!
 354?
 —
 354

CE?P
 B+C
~~B~~
 *BEP

C
 1. C; 202 → B
 — " —
 B
 B

BE

D27

Sh 225
 Sh 226
 B 949

(ST 1998)

(V¹)(V²)

h 4850

0
 α
 β¹ β²
 β¹ β²
 β¹ β²
 ST 1999
 V
 V¹ B¹
 V² A¹
 β¹

Σ 2019 AB
 AC

SCT

VGY2	✓	18466-0600	1923.09.13 NINCS!	21*	
E2306	✓			130/16	
E2313	✓			130/16	
E2325	✓			130/16	C
0	✓			130/16	?
E2337	✓			135/16	
	✓	B 135		139?	?
E2373	✓			141/16	
E2391	✓			143/16	
	✓	H VI 50		143/16	0
GLP	✓	18480-0622		144/16	

6705

M11

KR, C5

NY 443! / 16

SER

8 ⁹ -6 ²	✓ (ST 1954)	(CSA) D26 ¹ , (2), KR	G ¹ , 120/12116	B
B	✓	D29	G ¹	B
U	✓	D32 ¹ , 2, 1' KR,	20/3	O
ST 2375	✓ (ST 2417)	D32 ¹ , KR,	20/3	B
59 (d)	✓ (ST 2346)	D31, KR, (UM1)	21/3	B
£ 1985	✓	KR, D27,	31/5	B
£ 1919	✓	KR, D26	102/15716	B
0£ 300	✓	D26	106/15716	B
£ 1988	✓	KR	107/15716	B
0£ 303	✓		107/15716	D
2	✓ A 691	D26	107/15716	
5	✓ (£ 1930)	D27	115?	B
£ 1931	✓	D26	116?	C
£ 1987	✓	KR, D26	(120)*	B
£ 2007	✓		120/15716	B
49	✓ (£ 2021 Her)	KR, D27	120/15716	D
6	✓	KR, D27	120/15716	D
£ 2303	✓	D26	122?	C
	✓ AC 11	D31	143?	D
£ 2003	✓ 16018 + 1134	D31	143!/16	BE
£ 1950	✓ B 619	D26	256	B
£ 2031	✓ AB		289?	
	✓ AC		79/12	
	✓ AD		315	
	✓ DE		315	
£ 2033			(315)*	
			(316)*	
			316	

5904

M5

KR, A124(2)

GH 122*

SEX

35

✓ (Σ 1466)
A 2570KR, D20?
D19
D18

88/13

241?

246? 285? * (286)

92/13

285? * 286?

B

D

BE

D

Σ 4457

A 1767

D19

SGE

C+BEP

✓ (Σ 2585)

✓ (Σ 2637)

✓ AB = β 139

2484

2504

✓ H₂ 630

✓ ADS 13341

✓ 20029+1632

2631

2634

GY123

15

KR, D34,

KR,

KR, (D34)

D33

D33

Σ 2622

ADS 13341

19375+1639

16/2

16/2

102/10716

153/17, 262!!

153? 262?

153/17

154/17

155/17, 262!!

168, 169!!

168?!!

169/18

169/18

262!!

(168) 262!!

B

D

C

6838

M71

KR, QEL

GH 156/17

VGY45
 S
 2 (RS)
 VGY46
 WNOG
 VGY65
 52
 M
 D1
 16
 21
 54
 S744
 AB
 AC
 AB
 AC
 17438-2262? ~~D32~~ B358
 Hld 149 D32
 h 5036 D31
 B 133 D31
 18252-2648 D31
 18269-2634 D31
 19133-2526 h 5104
 h 5113 D33
 HN 119 D33, KR
 Sh 264 KR, D31!
 h 5188 KR, D35
 I 1039 D33
 B 132 D34
 Rst 3170 D32
 GC 25761 D31
 Kwi 18566 D31
 h 5173 D32
 S715 D32
 S722 D34
 19050-2655 KR
 X 404 KR, D33
 S710 D34
 h 5082 D32
 HN 126 D32

106!!
 108?
 109 (15/16)
 109?
 109!! (15/16)
 110?
 110
 110
 129
 (129)* 133/16
 129/16
 130/16, 520
 130* 16, 100?, 224?!! (268)
 134?
 134?
 135!!/16
 136? 139(*)/16
 139/16
 139?
 139?
 139?
 139?
 139?
 139?
 147? 268?
 224
 224
 224
 263!
 268?
 268?
 268
 268
 268?
 (270)*
 BE
 B
 B
 B
 O
 B
 D
 D+O
 C
 D
 ?+O
 B
 D
 D
 B
 D
 D
 C
 C
 B
 D
 C
 O
 BE

6638
6626
6494
6445
6440
6645
6642
IC 4725
6656
IC 4706
6618
6613
6531
6603

6809
6715

M28
M23

M25
M22

M 17
M 18
M 21

M24
M55
M54

KR, G22
 KR, G22
 KR, C25
 KR, P22
 KR, G22
 KR, (elect?)
 KR, C25
 KR, G22
 KR, C25?
 KR, N4
 KR, C25
 KR, C25
 KR, C25?
 KR, C25?
 KR, G22
 KR, G22

GH	224	
GH	223	
NY	223	
PL	223	
GH	223	
NY	140	16
GH	140	16
NY	140	16
GH	137	16
NY	(137)	
DF	136	16
NY	136	16
NY	136	16
NY	134	16
NY	129	16
GH	129	134/16
GH	108*	

TAU

ST 559	✓		KR, D7,	36/C	B
X ¹	✓	(0248 App)	D7	198	O
62	✓	(Σ528)	KR, D7	198	C
	✓	(Σ534)	D7	198	C
h 3270	✓	05098 + 1628		198	
h 3269	✓	05098 + 1640		200 * !! [348] 346!	
	✓	(Ho 642)		260 * !! 282 * [348]	
	✓	(Σ455)		204? 243?	
Σ645			D8	204 243	
115		Ho 226		277	(+B)
Σ750		(0.2 107)	D9	279!	C
02118	AB		D9, KR	(282)*	?
	AC		D10	282	B
01111111		(0267 App)			
Σ680			D8	282	
VGX142	AB	C.D		282?	
	AC	05130 + 2004	HAU	308!!	C
Σ742			KR, D10	307	
126			D10	308!!	
h 3268		05078 + 1628		308!!	
118				345	B
Σ548	AB			345?	B
	AC			345 [348]	
Σ572		h 5461	D7	347!	
Σ623			D7, KR	365	B
			D8	365	
HLD		(03411 + 2353)		365	D
	AB	Bar 3		366	B
	AC			374	D
23				374?	
Σ450				374?	
	AB	β 538		374?	
	AC			374	
	AD			374?	
VGX218		03450 + 2400	CUV 3φ	374	
27		(Σ453)	D6	375?	
0264	AB		D6	375?	D
	AC		D6	375?	D
Σ479	AB		D6, KR	375	D
	AC		D6, KR	375	B
Σ482				375!!	D
Σ481	AB			437	
	AC			437? 438?	
	AD			437 438!!	
		MeB 639		437!! 438!!	
		Arg 52		438	
				438	

1817
1807
Mar 25
1952

Huadok
M1

KR, CE1
KR, CE1
PSA, CE1
KR, PE1

NY (198)* 200*
NY 198*!! 202!!
NY (38)
PL 38*

TRI

VGYSG

✓ 01325 + 13007

240

598

M33

CSA: S2, KR,

GX (3)*, 193!!, 240!!

S-9 (80) ✓	(ST 1744)	(CSA), 2, 1!	(2)*	
£ 1192	LA'SD	56 , D23, 2, 1! KR,	(2)*	BE
£ 1193		56 CAM!		
£ 1349 ✓		DIE,	46/8	D
VGY 21	09260 + 6746		47/8	
£ 1350			47	
£ 1315		KR	47/8	
VGY 22	09260 + 6030		47/8	
h (23) ✓	£ 1351	D18	47	
£ 1398			47/8, 60	B
£ 1386			48/11, 417/11	
£ 1402			48/11, 416/11	
£ 1280			48/9	
62	3408		50/9	
£ 1331 ✓		KR, D17	50? * (304)* !! 370?	
£ 1363	09315 + 6107		(50)*, 60/11	BE
£ 1381			50/9	
0 £ 522	09501 + 6102		(50), 60? * 311!	
£ 1407			61?	
£ 1415 ✓		KR, D19	61? * 304? !! 311?, 317!	
£ 1559		D21	61/11	B
10		D17	61/11	B
V	(£ 1524)	D20	63?	BEP
E	(£ 1523)	D20, KR, 1, 2,	81/12	C
£ 1820 ✓			81/12, 378?	BEP
£ 1830 ✓			179	
£ 1831 ✓		D24	179!	D
£ 1905	10269 + 6836		179!	
VGY 147	09358 + 6848		61?	
VGY 148	09384 + 6727	MLB 405	311?	
VGY 149	09497 + 6803		311?	
MLB 206	Hu 1129		311!	
0 £ 222	10103 + 6051		312?	
£ 1752			313!	
£ 1513 + AB	H IV 106	D23	313!	
AC			316 !!	
£ 1512			350	
£ 1258		KR	350	
£ 1321		KR	350!	
£ 1520		KR	377	
£ 1387			377	
£ 1400			378	
	AB		416 !!	
	BC		416	
	(BD)		417 ? !!	
	(AE)		417!	
	(AF)		417	
VGY 29	h 3324		417	
	09171 + 6817		417	
			418 !!	
			60	

2787
3079
3077
2985
2768
3034
3031

M82
M81

SG, KR
S7, KR
S7, KR
S7, KR
SG, KR
2, S7, KR
2, S7, KR

GX 60/11
GX 49?
GX 48
GX 47? 61/11
GX 47
GX 47
GX 47

UMI

Σ 2034	✓	(ST 93)	D3 , 1!, KR,	(2), (5), 225	0
Σ 1583	✓			64/11, 79	
Σ 1771		β 799	D23	77/12	
Σ 1798				77/11	B
Σ 1840				78/12	
Σ 1849				78/12	
Σ 1841	✓	14201 + 6802		78/11/12	
Σ 1915				(78)!!*, 186?	
Σ 1905		Hu 908		78	
Σ 1928				78/12	
Σ 3125				78/12	
Σ 1980	✓	(Σ 1972)	KR, D26	78/12	
Σ 2013		(Ku) Hu 917	D28	78/12	B
Σ 2020				78/12	
VGY 125		Chaple (16025 + 1025)		80? 268!	C
OE 267		13283 + 7616		265	
VGY 156		13253 + 7036		265	
	AB	h 2682	D23	266	
	AC			316?	
				316?	
				316	
				316	

✓	✓ (ST 1670)	CSA, 2! D22! 4! KR,	4, 12/1, 418!! 502	BEP
Σ 1627	✓	KR, D22	59/11	B
Σ 1677	✓	KR	60/11	
54	✓	KR, D23,	60/11	B
Σ 1740	✓	KR	63/11	
Σ 1788	✓	KR, D24	63/11	B
Σ 1833	✓	KR	63/11	
Σ 1904	✓	KR, D25	63/11	B
26	✓ β 341	D23	89? * 92! / 13	C
	✓ (Σ 1780 +)	D24!	90? * 93?	(B+C)+D
	✓ β 610	D23	92?	D
	✓	D23	93?	BE
17	✓ (Σ 1636)	D22	96/14/16	B
d ₁ (31)	✓	D22	96 * 287?	B
Σ 1719	✓	D24	210	O
Σ 1734	✓		210	
84	✓ (Σ 1777)	D23	212!!	B
Σ 1781	✓	D23	214	B
Σ 1757	AB ✓	D23	214? *	
	AC ✓		214	BE
Σ 1764 AB	✓ 13351 + 0238		214	
A 2480	✓ 13258 + 0239		214 * 314!!	
1764 C - Σ 17657	✓ 13353 + 0236		(215)	
Σ 1742	✓		216	
	✓ 1928		215	
48	✓ (1929)	D23	216!	
12	✓ (Σ 1724)	D23	216	B
81	✓ (Σ 1750)	D23	217!!	C
Σ 1647	✓ (Σ 1763)		217?	B
Σ 1685			217!	
Σ 1661	Hu 1262	D24	286 *	
17	(Σ 1846)	D24	287, 379	
Σ 1746	13257 + 0943		291? 379	D
Σ 1751	13282 + 0934		291? 379!	
0 Σ 273			291!	B
Σ 1658			315!	
VG Y 222	12323 + 0753		315!	
	AC		315?	
	AD		380!!	
	AE		381	
	AF		418?	
	(AG)		418!	
	Bal 545		418!!	
	Bal 1162		418!	
			419?	
			419!	

4527
4526
5147
5364
5363

KR
KR
KR, S17
KR, S18
KR, S18

GX 381?
GX 380
GX 216?
GX 212
GX 212, 315

6853
6802
6885
6940

M27

KR, P23, CSA,
KR, CEG
KR, CEG
~~3~~ KR, CEG

PL 157/17
NY 156/17
NY 156/17
NY 159/17

* Alvan Graham Clark (1832-1897) Alvan Clark (1804-1887)
kisebbik fia federte fel a Sirius B-t 1862-ben.

BCH COU WEBB ZDC

Wilhelm Struve	E	STF	STF*	ST
Otto Struve	OE	STT	STT*	OST
John Herschel	h	h	HJ*	h
Dunlop	A			
S.W. Burnham	B	Bu	Bu*	BU
R.G. Aitken	A	A	A*	
Alvan Clark	AC		AC	
R.A. Roentgen	Rst			*STEVES
F. Argelandes	Arg			
H.A. Howe	Hwe			
Cordoba Obs.	Cor			
T.E. Espin	Es		ES*	
W.J. Hussey	Hu	Hu	Hu*	!
R.T. Jones	J	J	*	
T.J.J. See	A			S*
C. Runkel	Rmk			
W.H. van den Bos	B		*	
G.P. Kuiper	Kui	KUI	Kui	Sh*
J. South	S			
F. Couteau	Papp S.	COU	COU	
W.R. Dawes	ss. dr. cr.	Da	DA*	
William Herschel		H	H*	
J.W. Hough	Ho	HO	HO	
P. Muller		Mer		
* Alvan G. Clark		Bei. B.	AGC	
Baron E. Dembowski		83.09.09	D*	
E.S. Holden	Htt co Hld		HLD	
E. Holmes			HLM	
R. Jonckheere			J*	Jc*
A. Kruger			Kru	
Piazzi Smyth			P	
Father A. Secchi			SE*	
J. Herschel / J. South			SHJ*	
A. Winnecke			WNC	Wnc
Dr. Paul Boize			*	
Eric Doolittle			*	
M.V. Duruy			*	
W.S. Finson			*	
T. Lewis			*	
A.V. Henry Smyth			*	
G. van Biesbroeck			*	

MET 83/7-8

* Webb könyvben nem leltetés önéletrajza.