

System		Planet		common	rare	v. rare
Czerno	G2 VAB 1264 MY	1 Metal rich	1.29 G 1060 K	Chromium Vanadium Manganese	Cadmium Niobium	Antimony
		2 High metal	1.57 G 816 K	Manganese Chromium Selenium	Tungsten	Tellurium
Njambula	K6 VA 1190 MY	2 High metal	1.27 G 747 K	Chromium Vanadium Zinc	Niobium Tungsten	Yttrium
Betelgeuse	M4 I 10402 MY	2 Metal rich	1.12 G 1255 K	Manganese Chromium Zinc Zirconium	Cadmium Niobium	Yttrium
		3 Metal rich	1.00 G 1044 K	Manganese Zirconium Vanadium	Tin	Antimony
Wregoe ZG-U c16-2	K7 VA + 1232 MY	A 2 High metal	0.37 G 386 K	Manganese Chromium Germanium	Cadmium Tin	Polonium
Col 285 Sector KR-U c3-11	K8 VA, M9 VI 3760 MY	B 3 High metal	0.12 G 473 K	Chromium Vanadium Zirconium	Cadmium Mercury	Yttrium
		B 2 High metal	0.16 G 578 K	Chromium Arsenic Selenium	Niobium Tin	Ruthenium
		B 1 High metal		Vanadium Arsenic Selenium	Molybdenum Niobium	Tellurium
		B 4 High metal		Chromium Arsenic Germanium	Niobium Mercury	Ruthenium
		A 4		Germanium Manganese Arsenic	Mercury Tin	Antimony
		A 5	523 K	Vanadium Manganese Selenium	Molybdenum Niobium	Yttrium

HIP 60913	G4 IV 12830 MY	1 a Rocky	0.23 G 441 K	Arsenic Zirconium	Molybdenum Niobium	Polonium
HIP 60459	A3 V 886 MY	1 Metal rich	1.43 G 1336 K	Zirconium Chromium Zinc	Mercury Tungsten	Polonium
		3 a Metal rich	0.10 G 1015 K	Vanadium Manganese Zinc	Cadmium Tungsten	Polonium
		3 b Metal rich	0.04 G 1015 K	Vanadium Arsenic Chromium	Niobium Molybdenum	Yttrium
		3 c Metal rich	0.05 G 1015 K	Germanium Vanadium Zinc	Molybdenum Tin	Antimony
Acrux	B0 IV + 892 MY	7 Metal rich	3.06 G 1341 K	Manganese Vanadium Zinc	Cadmium Niobium	Polonium
		9 Metal rich	1.62 G 1125 K	Chromium Vanadium Selenium	Niobium Cadmium	Antimony
HIP 59502 C	M4 VA 1060 MY	2 a Icy	0.19 G 87 K	Manganese Zinc Chromium	Niobium Molybdenum	Yttrium
HIP 59487	A5 V 1864 MY	2 b Rocky	0.17 G 313 K	Chromium Zinc Vanadium	Molybdenum Tungsten	Ruthenium
		2 c Rocky	0.11 G 300 K	Germanium Chromium Zinc	Molybdenum Tin	Tellurium
		2 d Rocky	0.13 G 295 K	Chromium Zinc Zirconium	Tin Mercury	Yttrium
		2 e Rocky	0.13 G 282 K	Manganese Germanium Chromium	Niobium Cadmium	Ruthenium
		2 f Rocky	0.16 G 277 K	Vanadium Zinc Zirconium	Cadmium Tungsten	Yttrium
		2 f a Rocky	0.06 G 277 K	Manganese Germanium Selenium	Molybdenum Tin	Ruthenium
		3 b Rocky	0.18 G 248 K	Chromium Selenium Vanadium	Niobium Tin	Ruthenium

HIP 59487		3 c Rocky	0.16 G 242 K	Vanadium Manganese Selenium	Molybdenum Tin	Tellurium
		3 c a Rocky	0.06 G 242 K	Manganese Vanadium Zinc	Tin Niobium	Yttrium
		3 d Rocky	0.16 G 234 K	Manganese Vanadium Zirconium	Molybdenum Cadmium	Tellurium
		3 d a Rocky	0.04 G 234 K	Germanium Chromium Selenium	Cadmium Molybdenum	Antimony
		5 a Rocky	0.07 G 128 K	Germanium Chromium Selenium	Molybdenum Niobium	Ruthenium
		5 b Rocky	0.06 G 127 K	Chromium Manganese Selenium	Niobium Molybdenum	Ruthenium
		5 c Rocky	0.06 G 127 K	Chromium Zinc Germanium	Mercury Tungsten	Technetium
HIP 58146	F2 IV 2208 MY	1 d Rocky	0.09 G 244 K	Manganese Zinc Chromium	Molybdenum Niobium	Antimony
		1 e Rocky	0.14 G 238 K	Zinc Manganese Chromium	Niobium Tin	Yttrium
		2 a Rocky	0.10 G 336 K	Manganese Vanadium Zinc	Molybdenum Tin	Tellurium
		2 b Rocky	0.11 G 312 K	Chromium Manganese Zinc	Niobium Tungsten	Polonium
		2 e Rocky	0.15 G 248 K	Vanadium Zinc Germanium	Mercury Cadmium	Antimony
		2 e a Rocky	0.06 G 248 K	Chromium Arsenic Zinc	Tungsten Cadmium	Technetium
		2 f Rocky	0.11 G 237 K	Chromium Zinc Arsenic	Mercury Molybdenum	Ruthenium
		2 g Rocky	0.11 G 228 K	Zinc Manganese Vanadium	Tungsten Mercury	Tellurium

Wregoe ZC-Z c27-36	K7 VA 2610 MY	1 High metal	0.15 G 499 K	Chromium Vanadium Manganese	Cadmium Niobium	Tellurium
		2 High metal	0.35 G 401 K	Chromium Zinc Selenium	Molybdenum Niobium	Yttrium
		2 a Rocky	0.12 G 401 K	Zinc Zirconium Chromium	Molybdenum Niobium	Antimony
		3 High metal	0.31 G 341 K	Chromium Manganese Arsenic	Cadmium Mercury	Ruthenium
		8 a Icy	0.11 G 108 K	Selenium Zinc Germanium	Cadmium Niobium	Ruthenium
HR 4401 A HR 4401 B HR 4401 C	B5 III B0 VZ B0 VZ 220 MY	AB 1 Metal rich	2.24 G 1183 K	Vanadium Manganese Selenium	Mercury Niobium	Antimony
		AB 2 Metal rich	1.85 G 1183 K	Manganese Zinc Vanadium	Tungsten Molybdenum	Technetium
		AB 3 Metal rich	1.74 G 1081 K	Chromium Manganese Vanadium	Cadmium Molybdenum	Ruthenium
		AB 4 High metal	3.07 G 983 K	Manganese Germanium Vanadium	Mercury Niobium	Ruthenium
		AB 4 a Rocky	0.09 G 983 K	Manganese Zirconium Chromium	Tungsten Cadmium	Polonium
		AB 4 b Rocky	0.07 G 983 K	Selenium Zinc Manganese	Molybdenum Cadmium	Antimony
		AB 4 c Rocky	0.06 G 983 K	Manganese Zirconium Chromium	Cadmium Niobium	Polonium
		AB 4 d Rocky	0.07 G 983 K	Chromium Vanadium Zinc	Cadmium Niobium	Polonium
		AB 7 High metal	1.41 G 706 K	Vanadium Germanium Chromium	Niobium Tungsten	Antimony
		AB 9 a Rocky	0.23 G 572 K	Vanadium Arsenic Zinc	Molybdenum Niobium	Technetium

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AB 9 c Rocky	0.17 G 572 K	Zinc Zirconium Chromium	Tin Molybdenum	Yttrium
AB 10 a Rocky	0.45 G 699 K	Chromium Manganese Selenium	Molybdenum Tin	Tellurium
AB 10 b Rocky	0.37 G 698 K	Manganese Chromium Vanadium	Niobium Tin	Yttrium
AB 10 d Rocky	0.45 G 644 K	Manganese Arsenic Vanadium	Cadmium Tin	Tellurium
AB 10 e Rocky	0.40 G 622 K	Chromium Germanium Vanadium	Niobium Tungsten	Antimony
AB 10 f a Rocky	0.20 G 607 K	Manganese Chromium Germanium	Niobium Cadmium	Tellurium
AB 10 g Rocky	0.45 G 591 K	Selenium Manganese Vanadium	Tungsten Molybdenum	Tellurium
AB 10 h Rocky	0.43 G 581 K	Vanadium Germanium Zirconium	Niobium Mercury	Yttrium
AB 10 i Rocky	0.40 G 571 K	Manganese Vanadium Selenium	Niobium Cadmium	Technetium