

Table S6. Calculated temperatures of appearances and disappearances of solid phases during cooling of the Apex solar-gas nebula.

Initial $\Sigma P = 10^{-4}$ atm.

Compound	Name	Appearance T (K)	Disappearance T (K)
TiC	Titanium carbide	1,830	812
Ti ₅ Si ₃	Titanium silicide	1,733	1,570
TiO	Titanium monoxide	1,660	1,397
V ₂ C	Divanadium carbide	1,550	1,294
Ca ₄ Ti ₃ O ₁₀	Yuksporite	1,397	1,315
Ca ₂ Al ₂ SiO ₇	Gehlenite	1,378	992
Ca ₂ SiO ₄	Larnite	1,320	1,121
NiSi	Nickel silicide	1,320	984
FeSi	Ferro silicide	1,294	968
CoSi	Cobalt silicide	1,290	949
VC _{0.88}	Vanadium carbide	1,287	690
Cr ₅ Si ₃	Chrome silicide	1,260	1,055
SiC	Silicon carbide	1,240	987
CaSiO ₃	Wollastonite	1,160	861
Ca ₃ MgSiO ₄	Merwinite	1,080	1,021
Cr ₃ C ₂	Chrome carbide	1,055	720
C	Graphite	1,039	730
CaMgSiO ₃	Monticellite	1,021	1,002
MgAl ₂ O ₄	Spinel	1,002	
CaAl ₂ Si ₂ O ₈	Anorthite	992	780
NaAlSi ₃ O ₈	Albite	987	
CaMgSiO ₃	Diopside	987	835
Ni ₅ P ₂	Pentanickel diphosphide	984	954
Fe ₃ P	Iron phosphide	979	960
Cu	Native copper	979	
Fe	Native iron	969	780
Co ₂ P	Cobalt phosphide	960	436
Ni ₃ P ₂	Nickel phosphide	954	
Co	Native cobalt	949	
Ca ₃ Al ₂ Si ₃ O ₁₂	Grossular	911	854
MnSi	Manganese silicide	875	855
CaTiSiO ₅	Titanite	873	
KAlSi ₃ O ₈	Sanidine	845	447
MgSiO ₃	Enstatite	835	
Ti ₂ O ₃	Tistarite	832	795
Ti ₄ O ₇	Titanium suboxide	802	730
V ₂ O ₃	Vanadium trioxide	790	
SiO ₂	Quartz	780	
TiO ₂	Rutile	733	
MgCr ₂ O ₄	Magnesiochromite	606	
FeCr ₂ O ₄	Chromite	606	