

KDV 920 sample 1 bar

Gases plus selected solids

File: KDV 1 bar All shortlisted gas solid final.gem8

Output : Final Kdv 1 bar gas solid mole %.xl

Final Kdv 1 bar gas solid kmoles.xl

Species included

HSC-data will be extrapolated outside available temperature range.

Extrapolation is usually OK, but may cause errors if values far beyond available range are used. Some of the species have materials temperature outside available temperature range. These species cannot be removed from calculation

Remove the species outside of the interval Tmin .. Tmax	Species	Selected Range K		Available Range K		Reference	Reliability class	F
		T1	T2	T min	T max			
<input type="checkbox"/>	CaWO4	773.15	1373.15	298.14999	300	Robie 95	2	
<input type="checkbox"/>	CuFeS2	773.15	1373.15	298.14999	1200	Barin 77; Robie 95	1	
<input type="checkbox"/>	Cu5FeS4	773.15	1373.15	298.14999	1200	Robie 95; Barin 77	1	
<input type="checkbox"/>	NaFe(SiO3)2	773.15	1373.15	298.14999	1263	Holland 11; Pankratz 95	1	
<input type="checkbox"/>	ReBr3	773.15	1373.15	298.14999	800	Knacke 91; SGTE 94; Lar	1	
<input type="checkbox"/>	ReCl3	773.15	1373.15	298.14999	1000	Knacke 91; Barin 95; Lar	1	
<input type="checkbox"/>	ReO3	773.15	1373.15	298.14999	1000	Barin 93	1	
<input type="checkbox"/>	TiS	773.15	1373.15	298.14999	398	Mills 74	1	
<input type="checkbox"/>	TiS2	773.15	1373.15	298.14999	398	Mills 74	1	
<input type="checkbox"/>	TeBr4	773.15	1373.15	298.14999	800	Barin 77	1	
<input type="checkbox"/>	TeCl2	773.15	1373.15	298.14999	593	Knacke 91; Ruzinov 75	1	
<input type="checkbox"/>	As	773.15	1373.15	298.14999	1200	Landolt 99; Cokcen 89	1	
<input type="checkbox"/>	As2O4	773.15	1373.15	298.14999	1300	Ruzinov 75	2	
<input type="checkbox"/>	As2S5	773.15	1373.15	298.14999	300	Babanly 11	2	
<input type="checkbox"/>	As4S3	773.15	1373.15	298.14999	300	Babanly 11	2	
<input type="checkbox"/>	As4O6	773.15	1373.15	298.14999	670	Knacke 91; Bard 85	1	
<input type="checkbox"/>	AsS	773.15	1373.15	298.14999	581	Babanly 11; Kubas 93; O	2	

CaWO4	773.15	1373.15	298.14999	300	Robie 95	2	298.15
Cu1.8S	773.15	1373.15	298.14999	300	Robie 95	2	298.15
CuFeS2	773.15	1373.15	298.14999	1200	Barin 77; Robie 95	1	298.15
Cu5FeS4	773.15	1373.15	298.14999	1200	Robie 95; Barin 77	1	298.15
KReO4	773.15	1373.15	298.14999	398	Johnson 88; Karapet 70;	3	298.15
CdIn2S4	773.15	1373.15	298.14999	300	Edwards 85; Binnewies 9	1	298.15
NaFe(SiO3)2	773.15	1373.15	298.14999	1263	Holland 11; Pankratz 95	1	298.15
ReBr3	773.15	1373.15	298.14999	800	Knacke 91; SGTE 94; La	1	298.15
ReCl3	773.15	1373.15	298.14999	1000	Knacke 91; Barin 95; Lar	1	298.15
ReCl4	773.15	1373.15	298.14999	650	Ruzinov 75	2	298.15
ReCl5	773.15	1373.15	298.14999	600	Ruzinov 75; Lidin 95	2	298.15
Re3Cl9	773.15	1373.15	298.14999	300	Lidin 95	2	298.15
ReO3	773.15	1373.15	298.14999	1000	Barin 93	1	298.15
ReO4	773.15	1373.15	298.14999	420	Ruzinov 75	2	298.15
Re2O3	773.15	1373.15	298.14999	300	Bard 85	2	298.15
Re2O7	773.15	1373.15	298.14999	700	Barin 89	1	298.15
ReS3	773.15	1373.15	298.14999	850	SGTE 94; Landolt 01	1	298.15
Re2S7	773.15	1373.15	298.14999	918	Barin 77; Knacke 91; Bin	1	298.15
TiCl3	773.15	1373.15	298.14999	500	Barin 77	1	298.15
TiS	773.15	1373.15	298.14999	398	Mills 74	1	298.15
TiS2	773.15	1373.15	298.14999	398	Mills 74	1	298.15
Ti2S3	773.15	1373.15	298.14999	300	Lidin 95	2	298.15
Ti4S3	773.15	1373.15	298.14999	398	Mills 74	1	298.15
TeBr4	773.15	1373.15	298.14999	800	Barin 77	1	298.15
TeCl2	773.15	1373.15	298.14999	593	Knacke 91; Ruzinov 75	1	298.15
TeCl4	773.15	1373.15	298.14999	700	Barin 77; Knacke 91; Bin	1	298.15
TeF4	773.15	1373.15	298.14999	648	Ruzinov 75	2	298.15
Tel4	773.15	1373.15	298.14999	300	Oppermann 76; Binnewie	2	298.15
As	773.15	1373.15	298.14999	1200	Landolt 99; Cokcen 89	1	298.15
As2O4	773.15	1373.15	298.14999	1300	Ruzinov 75	2	298.15
As2S2	773.15	1373.15	298.14999	700	Knacke 91; ORC	1	298.15
As2S5	773.15	1373.15	298.14999	300	Babanly 11	2	298.15
As4S3	773.15	1373.15	298.14999	300	Babanly 11	2	298.15
As4O6	773.15	1373.15	298.14999	670	Knacke 91; Bard 85	1	298.15
AsS	773.15	1373.15	298.14999	581	Babanly 11; Kubas 93; O	2	298.15

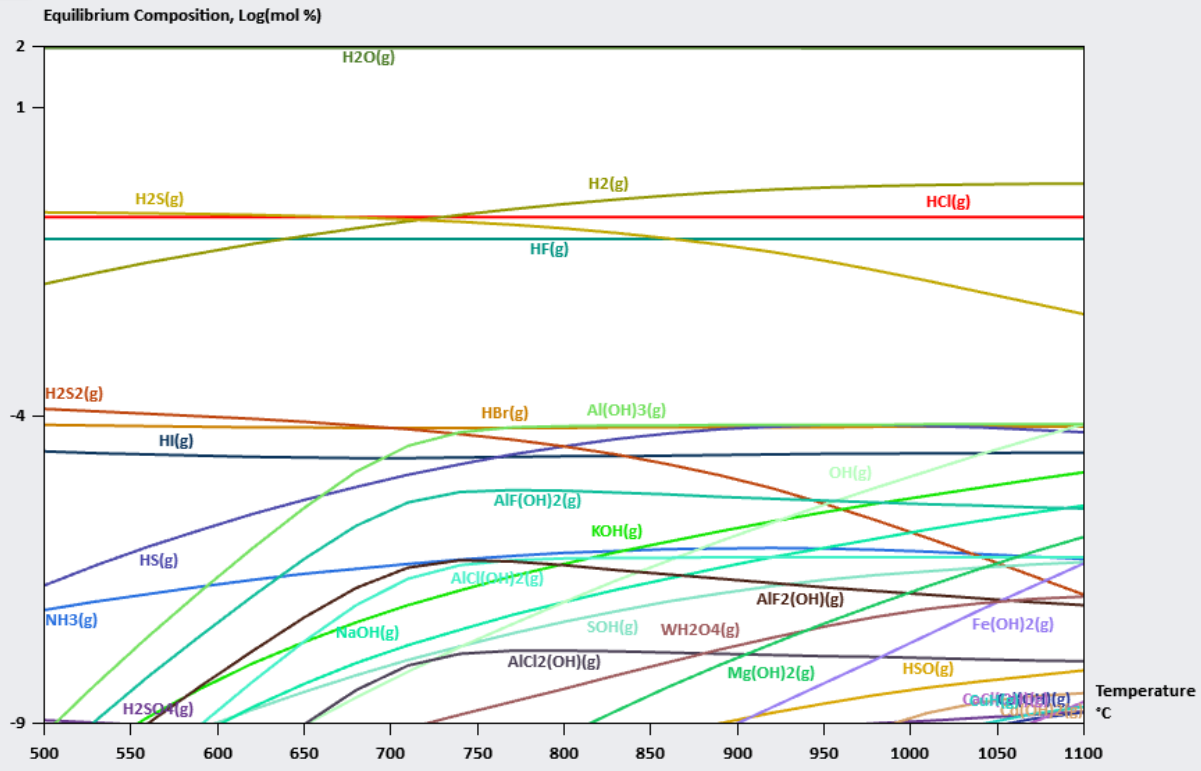


Chart parameters

Legend

Description	Phase	H
<input checked="" type="checkbox"/> H2O(g)	1	O
<input checked="" type="checkbox"/> HCl(g)	1	Cl
<input checked="" type="checkbox"/> HBr(g)	1	Br
<input checked="" type="checkbox"/> HI(g)	1	I
<input checked="" type="checkbox"/> HF(g)	1	F
<input checked="" type="checkbox"/> NH3(g)	1	N
<input checked="" type="checkbox"/> H2(g)	1	Si
<input checked="" type="checkbox"/> CH4(g)	1	K
<input checked="" type="checkbox"/> C2H6(g)	1	Na
<input checked="" type="checkbox"/> C3H8(g)	1	Al
<input checked="" type="checkbox"/> C6H6(BZEg)	1	Fe
<input checked="" type="checkbox"/> HS(g)	1	Cd
<input checked="" type="checkbox"/> H2S(g)	1	W
<input checked="" type="checkbox"/> H2S2(g)	1	TI
<input checked="" type="checkbox"/> HSO(g)	1	Te
<input checked="" type="checkbox"/> H2SO(g)	1	Mo
<input checked="" type="checkbox"/> H2SO4(g)	1	Re
<input checked="" type="checkbox"/> SOH(g)	1	Ca
<input checked="" type="checkbox"/> NH3(g)	1	Mg
<input checked="" type="checkbox"/> HNO(g)	1	Cu
<input checked="" type="checkbox"/> HNO2(g)	1	Au
<input checked="" type="checkbox"/> HNO3(g)	1	Mn
<input checked="" type="checkbox"/> NH(g)	1	Pb
<input checked="" type="checkbox"/> NH2(g)	1	As
<input checked="" type="checkbox"/> N2H2(g)	1	Sn
<input checked="" type="checkbox"/> N2H4(g)	1	Ti
<input checked="" type="checkbox"/> NH2OH(g)	1	Zr
<input checked="" type="checkbox"/> H4SiO4(g)	1	V
<input checked="" type="checkbox"/> KOH(g)	1	Ni
		Zn
		In
		All elements

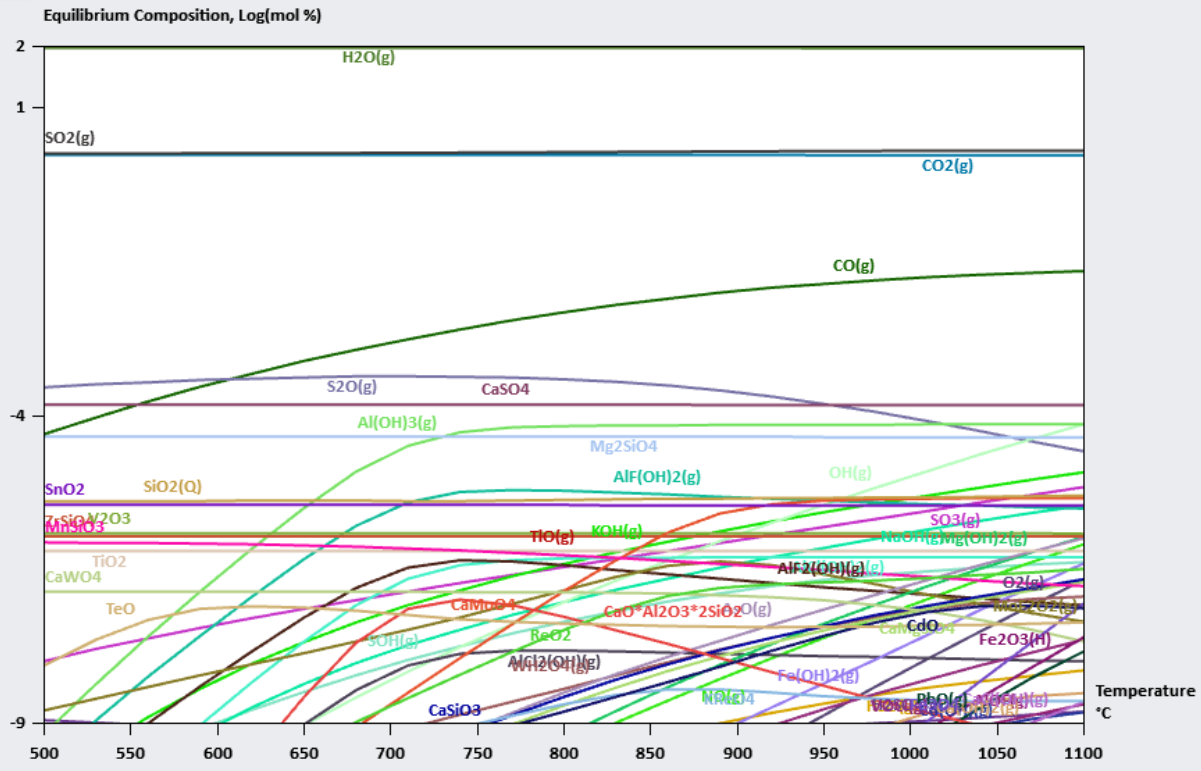
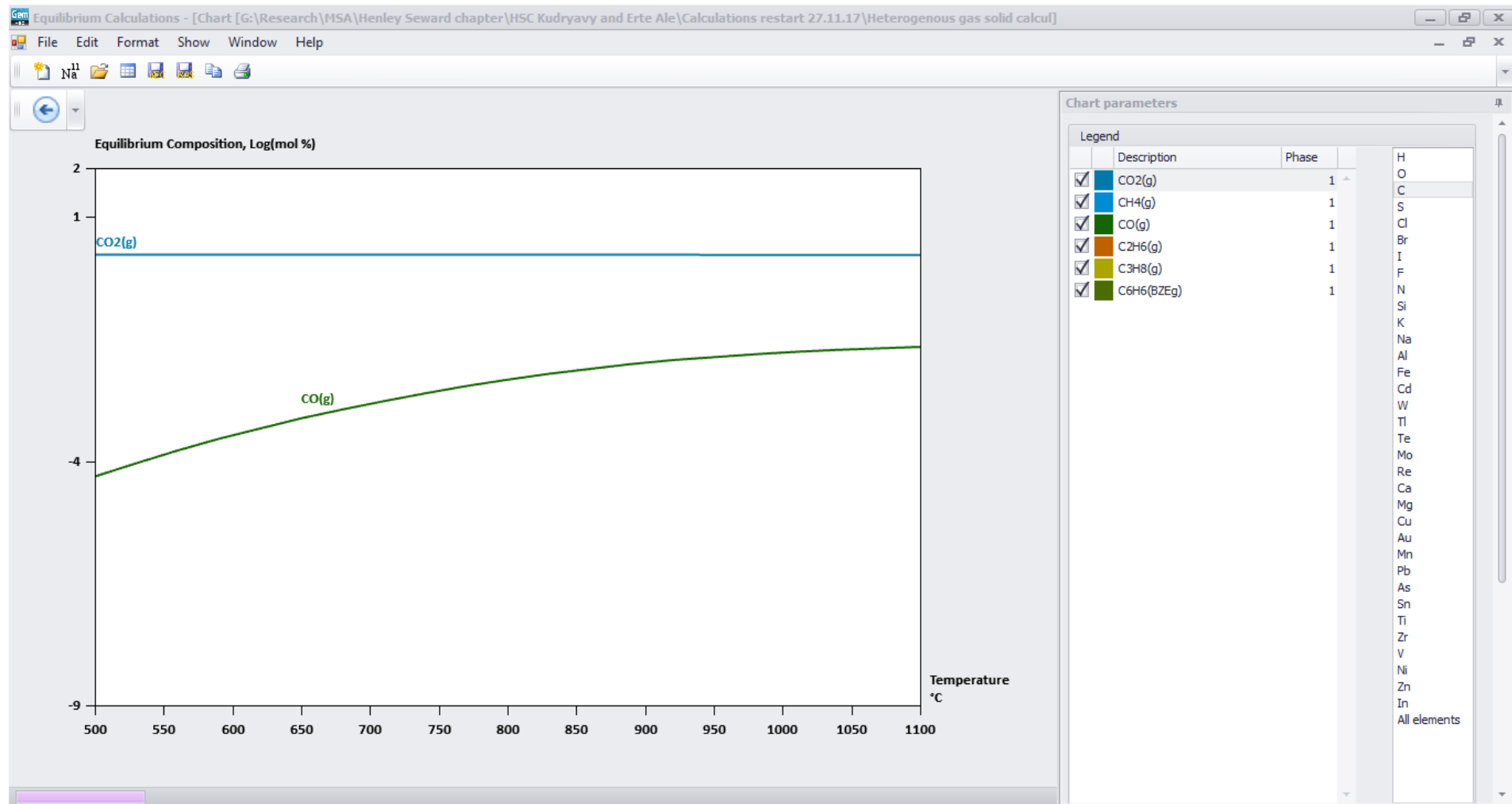


Chart parameters

Legend	Description	Phase	H
<input checked="" type="checkbox"/>	$H_2O(g)$	1	H
<input checked="" type="checkbox"/>	$CO_2(g)$	1	O
<input checked="" type="checkbox"/>	$SO_2(g)$	1	C
<input checked="" type="checkbox"/>	$CO(g)$	1	S
<input checked="" type="checkbox"/>	$HSO(g)$	1	Cl
<input checked="" type="checkbox"/>	$H_2SO(g)$	1	I
<input checked="" type="checkbox"/>	$H_2SO_4(g)$	1	F
<input checked="" type="checkbox"/>	$SO_3(g)$	1	N
<input checked="" type="checkbox"/>	$S_2O(g)$	1	Si
<input checked="" type="checkbox"/>	$SOH(g)$	1	K
<input checked="" type="checkbox"/>	$HNO(g)$	1	Na
<input checked="" type="checkbox"/>	$HNO_2(g)$	1	Al
<input checked="" type="checkbox"/>	$HNO_3(g)$	1	Fe
<input checked="" type="checkbox"/>	$NH_2OH(g)$	1	Cd
<input checked="" type="checkbox"/>	$NO(g)$	1	W
<input checked="" type="checkbox"/>	$NO_2(g)$	1	TI
<input checked="" type="checkbox"/>	$NO_3(g)$	1	Te
<input checked="" type="checkbox"/>	$N_2O(g)$	1	Mo
<input checked="" type="checkbox"/>	$N_2O_2(g)$	1	Re
<input checked="" type="checkbox"/>	$N_2O_3(g)$	1	Ca
<input checked="" type="checkbox"/>	$BrO(g)$	1	Mg
<input checked="" type="checkbox"/>	$BrO_2(g)$	1	Cu
<input checked="" type="checkbox"/>	$BrOO(g)$	1	Au
<input checked="" type="checkbox"/>	$BrO_3(g)$	1	Mn
<input checked="" type="checkbox"/>	$Br_2O(g)$	1	Pb
<input checked="" type="checkbox"/>	$BrBrO(g)$	1	As
<input checked="" type="checkbox"/>	$BrOBr(g)$	1	Sn
<input checked="" type="checkbox"/>	$IO(g)$	1	TI
<input checked="" type="checkbox"/>	$IO_2(g)$	1	Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			All elements



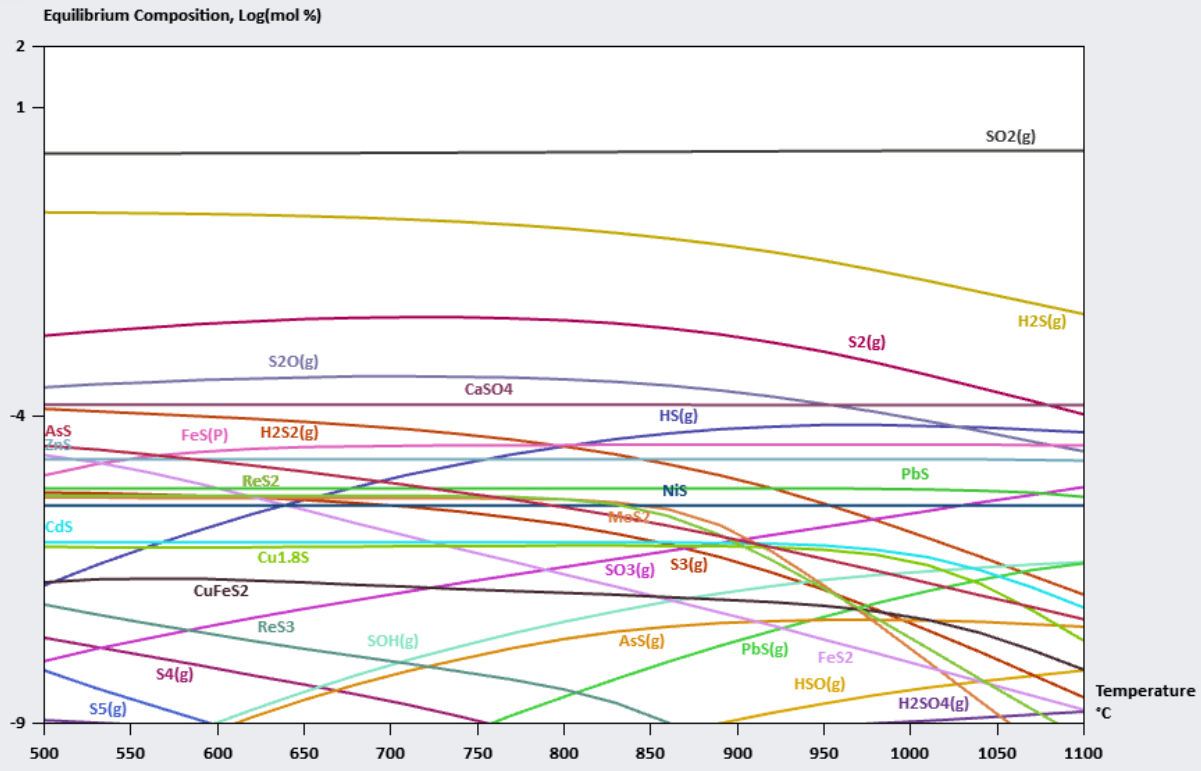


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	SO2(g)	1	H
<input checked="" type="checkbox"/>	HS(g)	1	O
<input checked="" type="checkbox"/>	H2S(g)	1	C
<input checked="" type="checkbox"/>	H2S2(g)	1	S
<input checked="" type="checkbox"/>	HSO(g)	1	Cl
<input checked="" type="checkbox"/>	H2SO(g)	1	Br
<input checked="" type="checkbox"/>	H2SO4(g)	1	I
<input checked="" type="checkbox"/>	H2SO4(g)	1	F
<input checked="" type="checkbox"/>	S2(g)	1	N
<input checked="" type="checkbox"/>	S3(g)	1	Si
<input checked="" type="checkbox"/>	S4(g)	1	K
<input checked="" type="checkbox"/>	S5(g)	1	Na
<input checked="" type="checkbox"/>	S6(g)	1	Al
<input checked="" type="checkbox"/>	S7(g)	1	Fe
<input checked="" type="checkbox"/>	S8(g)	1	Cd
<input checked="" type="checkbox"/>	SO3(g)	1	W
<input checked="" type="checkbox"/>	S2O(g)	1	TI
<input checked="" type="checkbox"/>	SOH(g)	1	Te
<input checked="" type="checkbox"/>	AuS(g)	1	Mo
<input checked="" type="checkbox"/>	PbS(g)	1	Re
<input checked="" type="checkbox"/>	AsS(g)	1	Ca
<input checked="" type="checkbox"/>	As2S3(g)	1	Mg
<input checked="" type="checkbox"/>	As4S4(g)	1	Cu
<input checked="" type="checkbox"/>	SnS(g)	1	Au
<input checked="" type="checkbox"/>	NiS(g)	1	Mn
<input checked="" type="checkbox"/>	CaSO4	1	Pb
<input checked="" type="checkbox"/>	MoS2	1	As
<input checked="" type="checkbox"/>	FeS(P)	1	Sn
<input checked="" type="checkbox"/>	FeS2	1	TI
<input checked="" type="checkbox"/>	NiS	1	Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			All elements



Equilibrium Composition, Log(mol %)

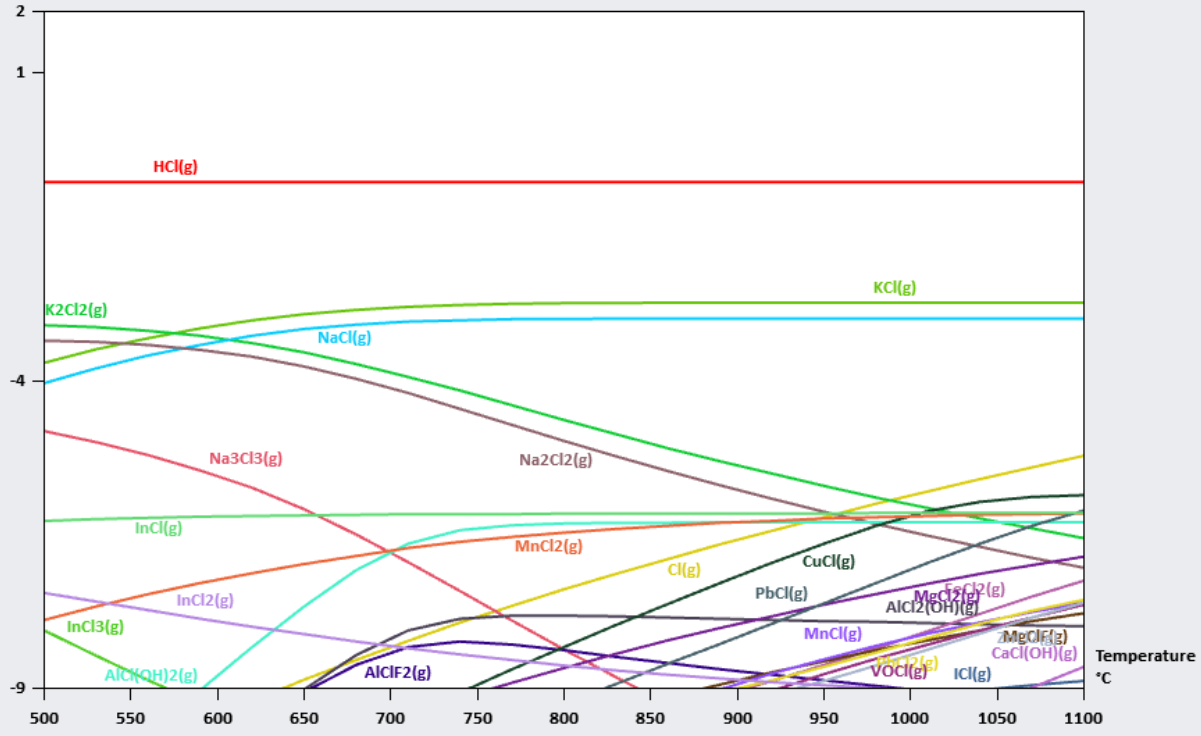


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	HCl(g)	1	H
<input checked="" type="checkbox"/>	BrCl(g)	1	O
<input checked="" type="checkbox"/>	Cl(g)	1	C
<input checked="" type="checkbox"/>	Cl2(g)	1	S
<input checked="" type="checkbox"/>	Cl3(g)	1	Cl
<input checked="" type="checkbox"/>	Cl4(g)	1	Br
<input checked="" type="checkbox"/>	ICl(g)	1	I
<input checked="" type="checkbox"/>	KCl(g)	1	F
<input checked="" type="checkbox"/>	K2Cl2(g)	1	N
<input checked="" type="checkbox"/>	NaCl(g)	1	Si
<input checked="" type="checkbox"/>	Na2Cl2(g)	1	K
<input checked="" type="checkbox"/>	Na3Cl3(g)	1	Na
<input checked="" type="checkbox"/>	OCIO(g)	1	Al
<input checked="" type="checkbox"/>	AlClF2(g)	1	Fe
<input checked="" type="checkbox"/>	AlCl(OH)2(g)	1	Cd
<input checked="" type="checkbox"/>	AlCl2(OH)(g)	1	W
<input checked="" type="checkbox"/>	FeCl2(g)	1	TI
<input checked="" type="checkbox"/>	FeCl3(g)	1	Te
<input checked="" type="checkbox"/>	Fe2Cl4(g)	1	Mo
<input checked="" type="checkbox"/>	CdCl2(g)	1	Re
<input checked="" type="checkbox"/>	WO2Cl2(g)	1	Ca
<input checked="" type="checkbox"/>	ReCl3(g)	1	Mg
<input checked="" type="checkbox"/>	CaCl2(g)	1	Cu
<input checked="" type="checkbox"/>	CaCl(OH)(g)	1	Au
<input checked="" type="checkbox"/>	MgCl2(g)	1	Mn
<input checked="" type="checkbox"/>	Mg2Cl4(g)	1	Pb
<input checked="" type="checkbox"/>	MgClF(g)	1	As
<input checked="" type="checkbox"/>	CuCl(g)	1	Sn
<input checked="" type="checkbox"/>	CuCl2(g)	1	TI
<input checked="" type="checkbox"/>			Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			All elements



Equilibrium Composition, Log(mol %)

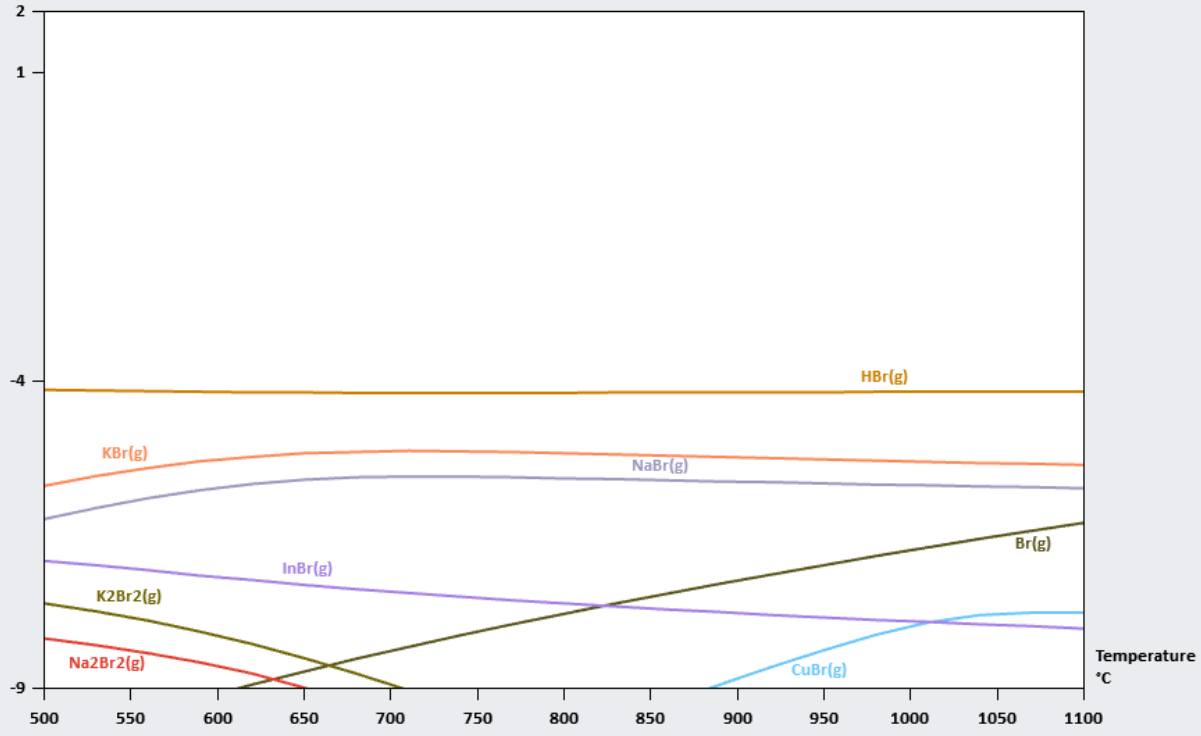


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	HBr(g)	1	H
<input checked="" type="checkbox"/>	Br(g)	1	O
<input checked="" type="checkbox"/>	Br ₂ (g)	1	C
<input checked="" type="checkbox"/>	BrCl(g)	1	S
<input checked="" type="checkbox"/>	BrF(g)	1	Cl
<input checked="" type="checkbox"/>	BrF ₃ (g)	1	Br
<input checked="" type="checkbox"/>	BrF ₅ (g)	1	I
<input checked="" type="checkbox"/>	BrO(g)	1	F
<input checked="" type="checkbox"/>	BrO ₂ (g)	1	N
<input checked="" type="checkbox"/>	BrOO(g)	1	Si
<input checked="" type="checkbox"/>	BrO ₃ (g)	1	K
<input checked="" type="checkbox"/>	Br ₂ O(g)	1	Na
<input checked="" type="checkbox"/>	BrBrO(g)	1	Al
<input checked="" type="checkbox"/>	BrOBr(g)	1	Fe
<input checked="" type="checkbox"/>	BrO ₃ (g)	1	Cd
<input checked="" type="checkbox"/>	Br ₂ O(g)	1	W
<input checked="" type="checkbox"/>	BrBrO(g)	1	Tl
<input checked="" type="checkbox"/>	BrOBr(g)	1	Te
<input checked="" type="checkbox"/>	IBr(g)	1	Mo
<input checked="" type="checkbox"/>	KBr(g)	1	Re
<input checked="" type="checkbox"/>	K ₂ Br ₂ (g)	1	Ca
<input checked="" type="checkbox"/>	NaBr(g)	1	Mg
<input checked="" type="checkbox"/>	Na ₂ Br ₂ (g)	1	Cu
<input checked="" type="checkbox"/>	OBrO(g)	1	Au
<input checked="" type="checkbox"/>	ReBr ₃ (g)	1	Pb
<input checked="" type="checkbox"/>	CaBr ₂ (g)	1	As
<input checked="" type="checkbox"/>	CaBrOH(g)	1	Sn
<input checked="" type="checkbox"/>	MgBr ₂ (g)	1	Tl
<input checked="" type="checkbox"/>	CuBr(g)	1	Zr
<input checked="" type="checkbox"/>	NiBr(g)	1	V
<input checked="" type="checkbox"/>	InBr(g)	1	Ni
<input checked="" type="checkbox"/>	ReBr ₃	1	Zn
<input checked="" type="checkbox"/>	TeBr ₄	1	In
			All elements

Equilibrium Composition, Log(mol %)

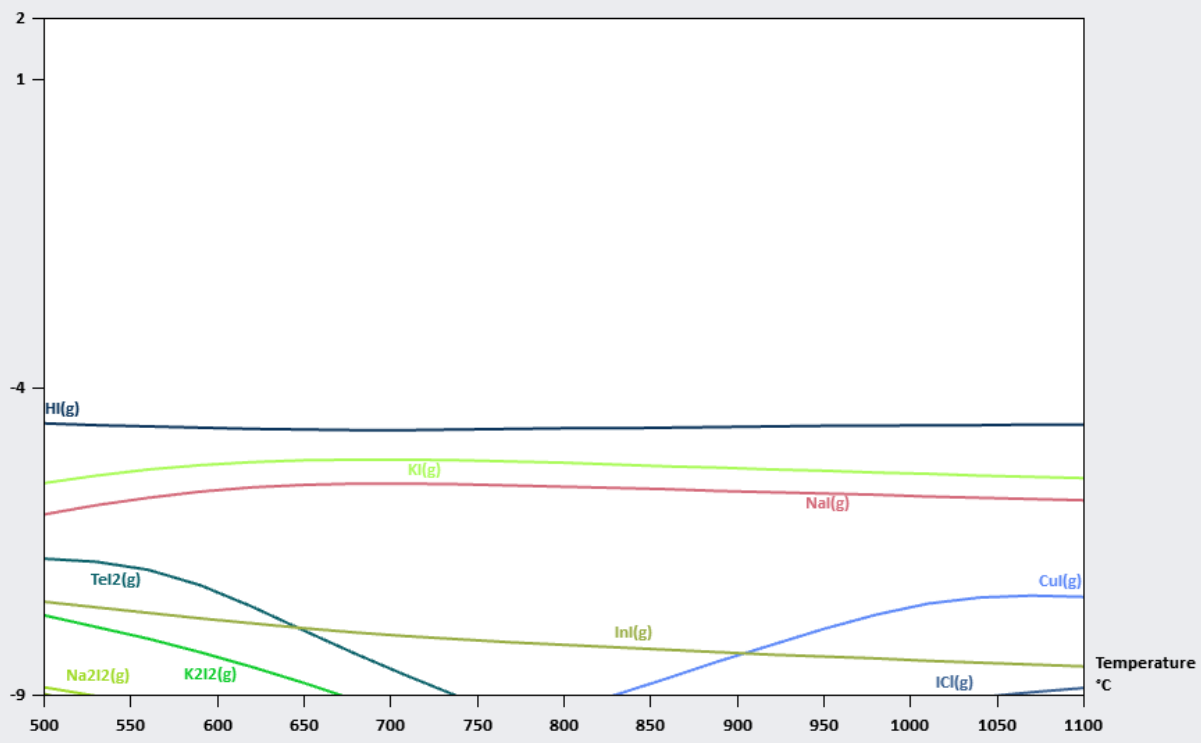


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	HI(g)	1	H
<input checked="" type="checkbox"/>	I2(g)	1	O
<input checked="" type="checkbox"/>	IBr(g)	1	C
<input checked="" type="checkbox"/>	ICl(g)	1	S
<input checked="" type="checkbox"/>	IF(g)	1	Cl
<input checked="" type="checkbox"/>	IO(g)	1	Br
<input checked="" type="checkbox"/>	IO2(g)	1	I
<input checked="" type="checkbox"/>	KI(g)	1	F
<input checked="" type="checkbox"/>	K2I2(g)	1	N
<input checked="" type="checkbox"/>	NaI(g)	1	N
<input checked="" type="checkbox"/>	Na2I2(g)	1	Si
<input checked="" type="checkbox"/>	OIO(g)	1	K
<input checked="" type="checkbox"/>	CdI2(g)	1	Na
<input checked="" type="checkbox"/>	TeI2(g)	1	Al
<input checked="" type="checkbox"/>	ReI3(g)	1	Fe
<input checked="" type="checkbox"/>	CuI(g)	1	Cd
<input checked="" type="checkbox"/>	PbI(g)	1	W
<input checked="" type="checkbox"/>	AsI(g)	1	Te
<input checked="" type="checkbox"/>	NI(g)	1	Mo
<input checked="" type="checkbox"/>	InI(g)	1	Re
<input checked="" type="checkbox"/>	TeI4	1	Ca

Element list: H, O, C, S, Cl, Br, I, F, N, Si, K, Na, Al, Fe, Cd, W, Te, Mo, Re, Ca, Mg, Cu, Au, Mn, Pb, As, Sn, Ti, Zr, V, Ni, Zn, In, All elements



Equilibrium Composition, Log(mol %)

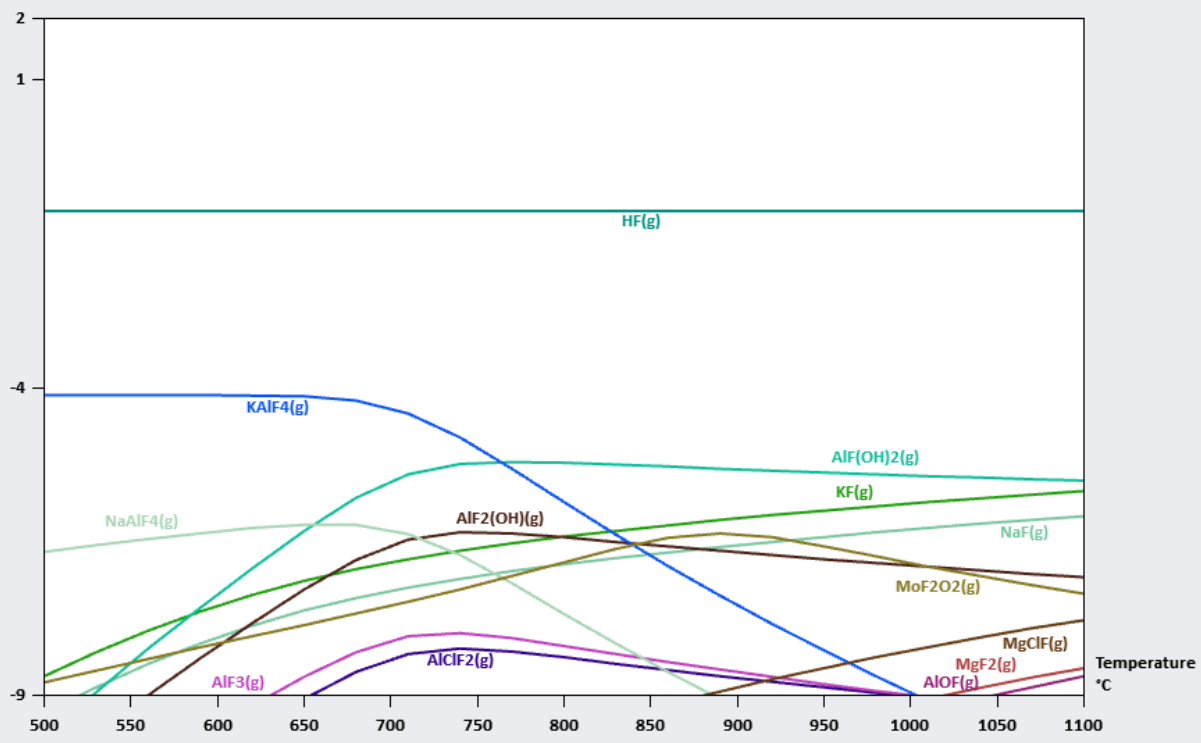


Chart parameters

Description	Phase	Legend
<input checked="" type="checkbox"/> HF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> BrF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> BrF3(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> BrF5(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> F(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> F2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> IF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> KF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> NaF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> OF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> OF2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> O2F(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> OFO(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> O2F2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> SiF4(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> AlClF2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> AlF3(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> AlF(OH)2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> AlF2(OH)(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> AlOF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> KAlF4(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> NaAlF4(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> FeF3(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> MoF2O2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> MoF3O(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CaF2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CaF(OH)(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> MgClF(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> MgF2(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> MgF2(q)	1	<input checked="" type="checkbox"/>

Legend

H	<input type="checkbox"/>
O	<input type="checkbox"/>
C	<input type="checkbox"/>
S	<input type="checkbox"/>
Cl	<input type="checkbox"/>
Br	<input type="checkbox"/>
I	<input type="checkbox"/>
F	<input checked="" type="checkbox"/>
N	<input type="checkbox"/>
Si	<input type="checkbox"/>
K	<input type="checkbox"/>
Na	<input type="checkbox"/>
Al	<input type="checkbox"/>
Fe	<input type="checkbox"/>
Cd	<input type="checkbox"/>
W	<input type="checkbox"/>
Tl	<input type="checkbox"/>
Te	<input type="checkbox"/>
Mo	<input type="checkbox"/>
Re	<input type="checkbox"/>
Ca	<input type="checkbox"/>
Mg	<input type="checkbox"/>
Cu	<input type="checkbox"/>
Au	<input type="checkbox"/>
Mn	<input type="checkbox"/>
Pb	<input type="checkbox"/>
As	<input type="checkbox"/>
Sn	<input type="checkbox"/>
Ti	<input type="checkbox"/>
Zr	<input type="checkbox"/>
V	<input type="checkbox"/>
Ni	<input type="checkbox"/>
Zn	<input type="checkbox"/>
In	<input type="checkbox"/>
All elements	<input type="checkbox"/>



Equilibrium Composition, Log(mol %)

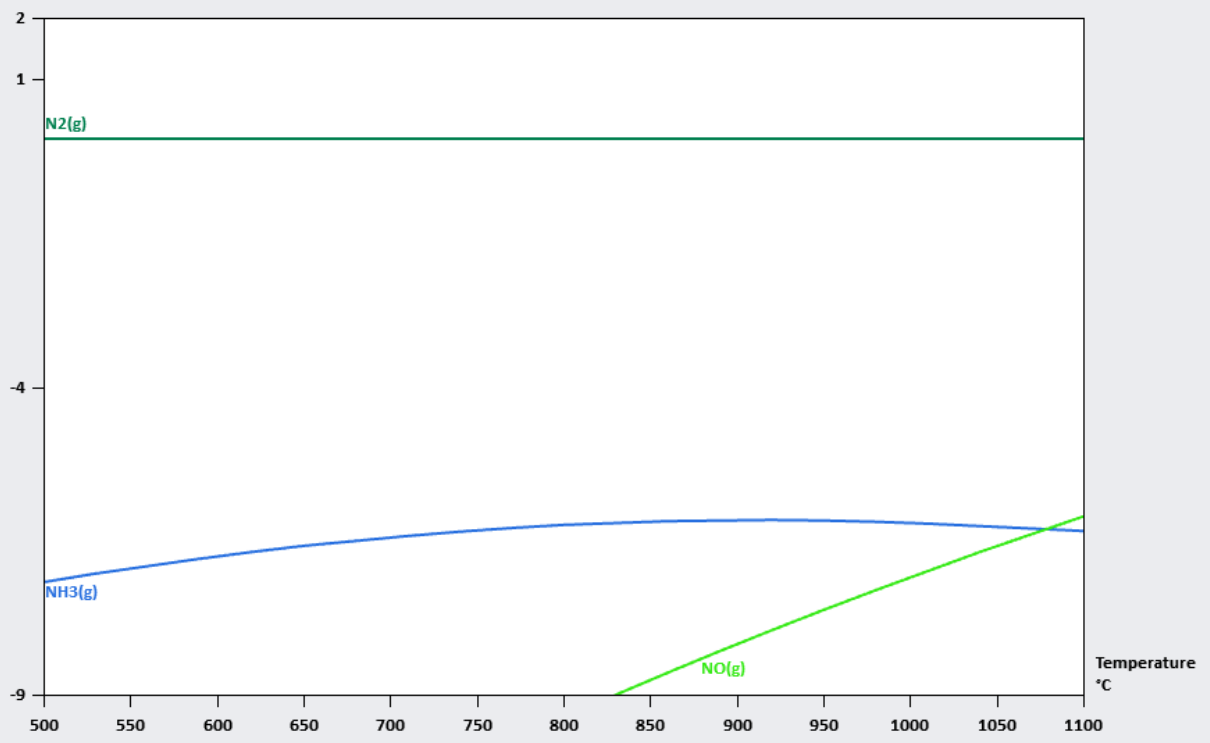


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	NH3(g)	1	H
<input checked="" type="checkbox"/>	N2(g)	1	O
<input checked="" type="checkbox"/>	HN3(g)	1	C
<input checked="" type="checkbox"/>	HNO(g)	1	S
<input checked="" type="checkbox"/>	HNO2(g)	1	Cl
<input checked="" type="checkbox"/>	HNO3(g)	1	Br
<input checked="" type="checkbox"/>	N3(g)	1	I
<input checked="" type="checkbox"/>	NH(g)	1	F
<input checked="" type="checkbox"/>	NH2(g)	1	N
<input checked="" type="checkbox"/>	N2H2(g)	1	Si
<input checked="" type="checkbox"/>	N2H4(g)	1	K
<input checked="" type="checkbox"/>	NH2OH(g)	1	Na
<input checked="" type="checkbox"/>	NO(g)	1	Al
<input checked="" type="checkbox"/>	NO2(g)	1	Fe
<input checked="" type="checkbox"/>	NO3(g)	1	Cd
<input checked="" type="checkbox"/>	N2O(g)	1	W
<input checked="" type="checkbox"/>	N2O2(g)	1	Tl
<input checked="" type="checkbox"/>	N2O3(g)	1	Te
			Mo
			Re
			Ca
			Mg
			Cu
			Au
			Mn
			Pb
			As
			Sn
			Ti
			Zr
			V
			Ni
			Zn
			In
			All elements



Equilibrium Composition, Log(mol %)

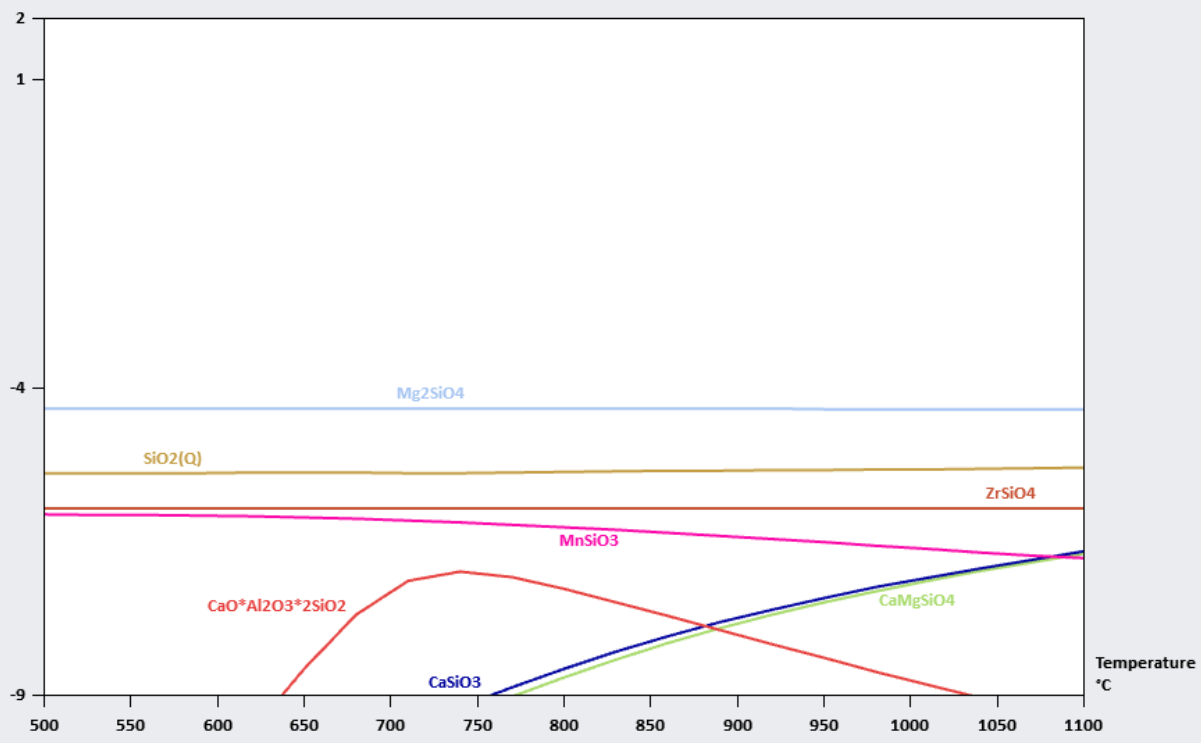


Chart parameters

Description	Phase	Legend
<input checked="" type="checkbox"/> H4SiO4(g)	1	H
<input checked="" type="checkbox"/> Si2(g)	1	O
<input checked="" type="checkbox"/> SiF4(g)	1	S
<input checked="" type="checkbox"/> KAlSi3O8	1	Cl
<input checked="" type="checkbox"/> Mg2SiO4	1	Br
<input checked="" type="checkbox"/> Fe2SiO4(F)	1	I
<input checked="" type="checkbox"/> Mg2Si2O6(E)	1	F
<input checked="" type="checkbox"/> CaMgSiO4	1	N
<input checked="" type="checkbox"/> CaSiO3	1	Si
<input checked="" type="checkbox"/> CaMgSi2O6	1	K
<input checked="" type="checkbox"/> *2CaO*5MgO*8SiO2*H2O	1	Na
<input checked="" type="checkbox"/> ZrSiO4	1	Al
<input checked="" type="checkbox"/> MnSiO3	1	Fe
<input checked="" type="checkbox"/> NaAlSi3O8	1	Cd
<input checked="" type="checkbox"/> *3CaO*Al2O3*3SiO2	1	W
<input checked="" type="checkbox"/> CaO*Al2O3*2SiO2	1	TI
<input checked="" type="checkbox"/> SiO2(Q)	1	Te
<input checked="" type="checkbox"/> Fe3Al2Si3O12	1	Mo
<input checked="" type="checkbox"/> Ca3Fe2Si3O12	1	Re
<input checked="" type="checkbox"/> NaFe(SiO3)2	1	Ca



Equilibrium Composition, Log(mol %)

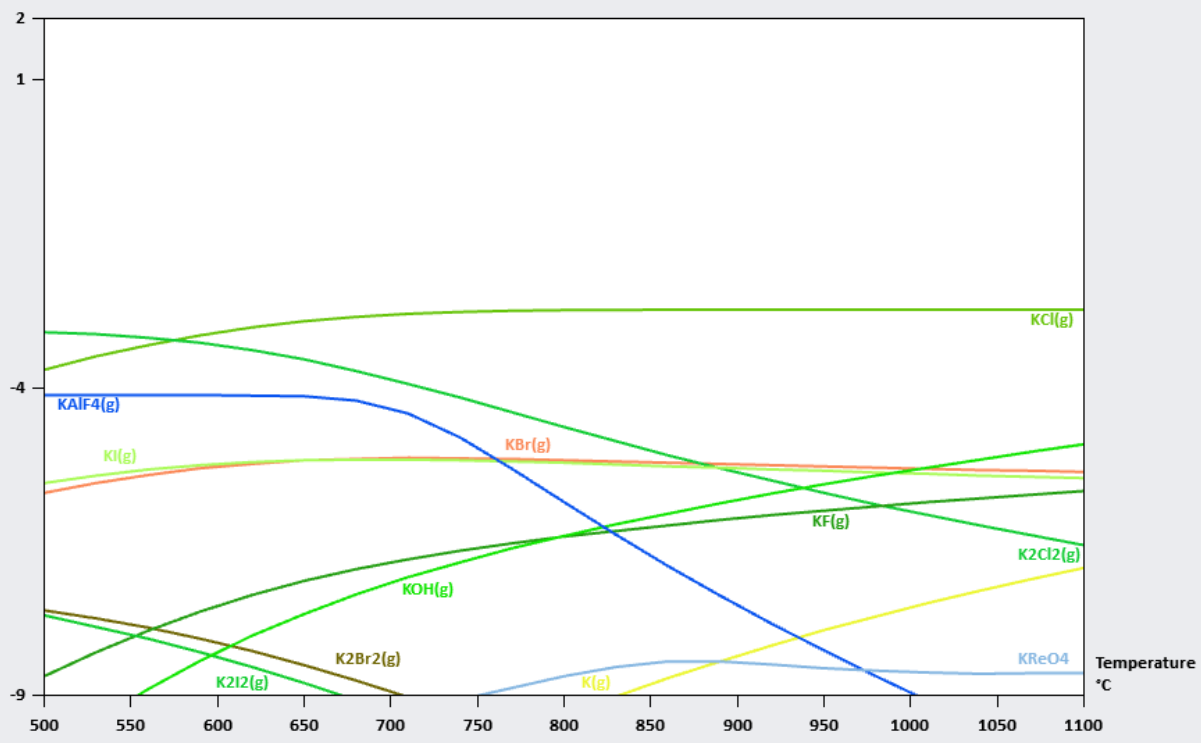


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	K(g)	1	H
<input checked="" type="checkbox"/>	KBr(g)	1	O
<input checked="" type="checkbox"/>	K ₂ Br ₂ (g)	1	C
<input checked="" type="checkbox"/>	KCl(g)	1	S
<input checked="" type="checkbox"/>	K ₂ Cl ₂ (g)	1	Cl
<input checked="" type="checkbox"/>	KF(g)	1	Br
<input checked="" type="checkbox"/>	KI(g)	1	I
<input checked="" type="checkbox"/>	K ₂ I ₂ (g)	1	F
<input checked="" type="checkbox"/>	KOH(g)	1	N
<input checked="" type="checkbox"/>	K ₂ (OH) ₂ (g)	1	Si
<input checked="" type="checkbox"/>	KAlF ₄ (g)	1	K
<input checked="" type="checkbox"/>	KAlSi ₃ O ₈	1	Na
<input checked="" type="checkbox"/>	KReO ₄	1	Al
			Fe
			Cd
			W
			Tl
			Te
			Mo
			Re
			Ca
			Mg
			Cu
			Au
			Mn
			Pb
			As
			Sn
			Ti
			Zr
			V
			Ni
			Zn
			In
			All elements



Equilibrium Composition, Log(mol %)

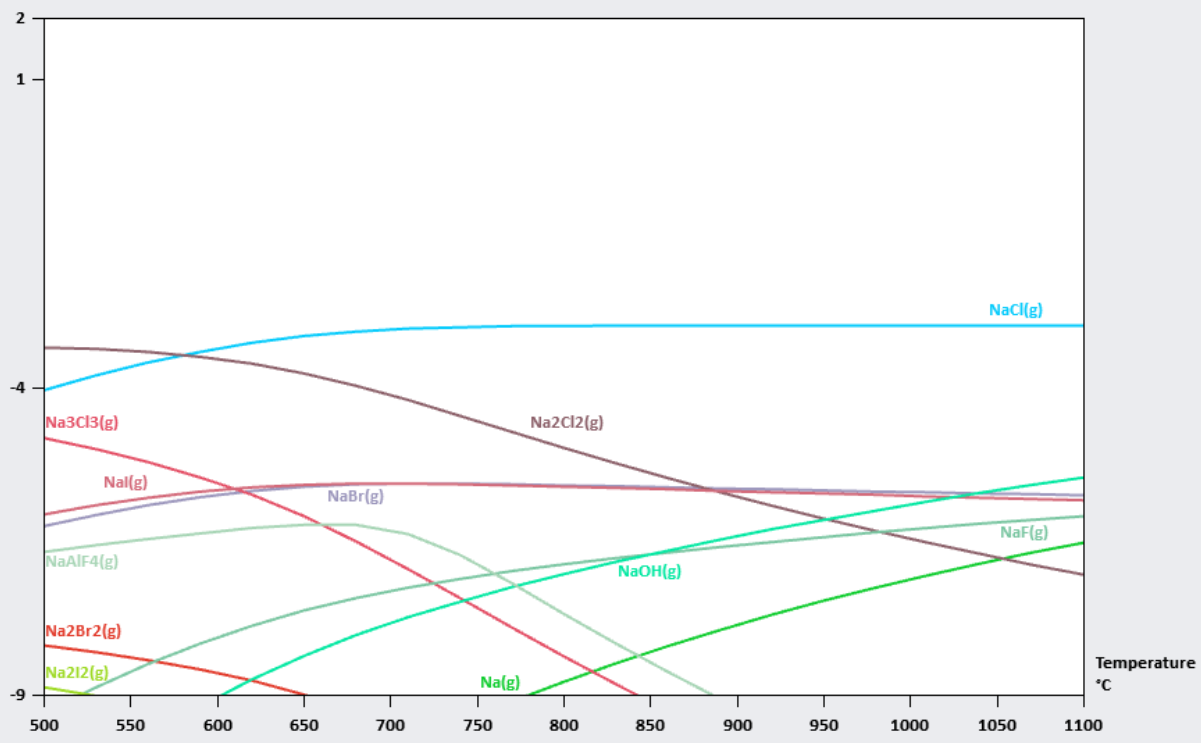


Chart parameters

Description	Phase	Legend
<input checked="" type="checkbox"/> Na(g)	1	Na
<input checked="" type="checkbox"/> NaBr(g)	1	Br
<input checked="" type="checkbox"/> Na2Br2(g)	1	Br
<input checked="" type="checkbox"/> NaCl(g)	1	Cl
<input checked="" type="checkbox"/> Na2Cl2(g)	1	Cl
<input checked="" type="checkbox"/> Na3Cl3(g)	1	Cl
<input checked="" type="checkbox"/> NaF(g)	1	F
<input checked="" type="checkbox"/> NaI(g)	1	I
<input checked="" type="checkbox"/> Na2I2(g)	1	I
<input checked="" type="checkbox"/> NaOH(g)	1	O
<input checked="" type="checkbox"/> NaAlF4(g)	1	Al, F
<input checked="" type="checkbox"/> NaAlSi3O8	1	Al, Si
<input checked="" type="checkbox"/> NaFe(SiO3)2	1	Fe, Si, O



Equilibrium Composition, Log(mol %)

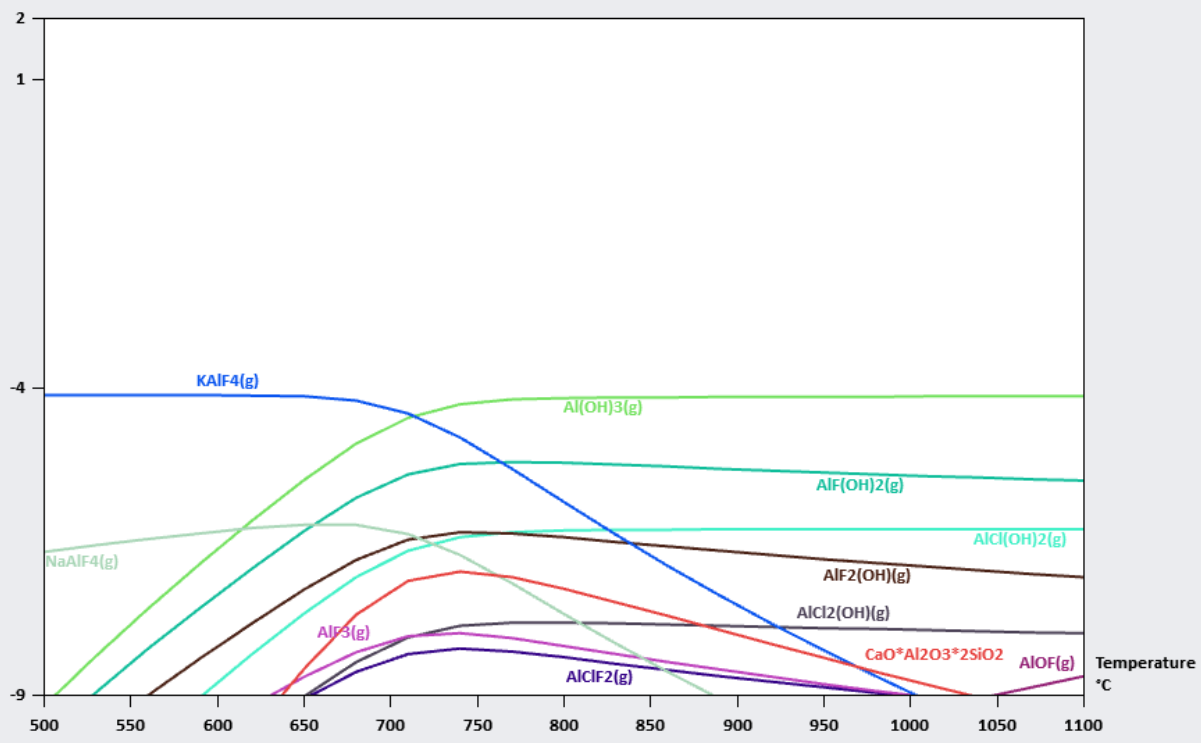


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Al(g)	1	H
<input checked="" type="checkbox"/>	AlClF2(g)	1	O
<input checked="" type="checkbox"/>	AlCl(OH)2(g)	1	C
<input checked="" type="checkbox"/>	AlCl2(OH)(g)	1	S
<input checked="" type="checkbox"/>	AlF3(g)	1	Cl
<input checked="" type="checkbox"/>	AlF(OH)2(g)	1	Br
<input checked="" type="checkbox"/>	AlF2(OH)(g)	1	I
<input checked="" type="checkbox"/>	AlOF(g)	1	F
<input checked="" type="checkbox"/>	Al(OH)3(g)	1	N
<input checked="" type="checkbox"/>	KAlF4(g)	1	Si
<input checked="" type="checkbox"/>	NaAlF4(g)	1	K
<input checked="" type="checkbox"/>	KAlSi3O8	1	Na
<input checked="" type="checkbox"/>	NaAlSi3O8	1	Al
<input checked="" type="checkbox"/>	*3CaO*Al2O3*2SiO2	1	Fe
<input checked="" type="checkbox"/>	CaO*Al2O3*2SiO2	1	Cd
<input checked="" type="checkbox"/>	Fe3Al2Si3O12	1	W
			Tl
			Te
			Mo
			Re
			Ca
			Mg
			Cu
			Au
			Mn
			Pb
			As
			Sn
			Ti
			Zr
			V
			Ni
			Zn
			In
			All elements



Equilibrium Composition, Log(mol %)

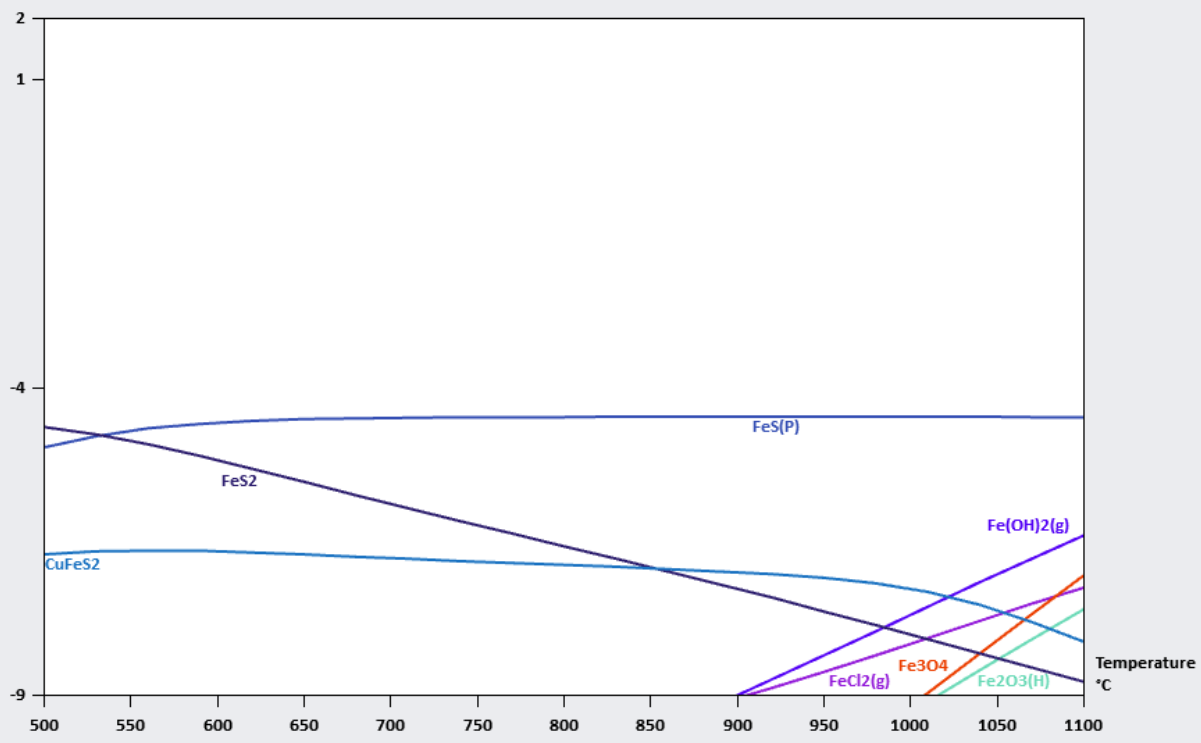


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Fe(g)	1	H
<input checked="" type="checkbox"/>	FeCl2(g)	1	O
<input checked="" type="checkbox"/>	FeCl3(g)	1	C
<input checked="" type="checkbox"/>	Fe2Cl4(g)	1	S
<input checked="" type="checkbox"/>	FeF3(g)	1	Cl
<input checked="" type="checkbox"/>	Fe(OH)2(g)	1	Br
<input checked="" type="checkbox"/>	Fe2SiO4(F)	1	I
<input checked="" type="checkbox"/>	Fe3O4	1	F
<input checked="" type="checkbox"/>	Fe2O3(H)	1	N
<input checked="" type="checkbox"/>	FeS(P)	1	Si
<input checked="" type="checkbox"/>	FeS2	1	K
<input checked="" type="checkbox"/>	CuFeS2	1	Na
<input checked="" type="checkbox"/>	Cu5FeS4	1	Al
<input checked="" type="checkbox"/>	Fe3Al2Si3O12	1	Fe
<input checked="" type="checkbox"/>	Ca3Fe2Si3O12	1	Cd
<input checked="" type="checkbox"/>	NaFe(SiO3)2	1	W
			Tl
			Te
			Mo
			Re
			Ca
			Mg
			Cu
			Au
			Mn
			Pb
			As
			Sn
			Tl
			Zr
			V
			Ni
			Zn
			In
			All elements



Equilibrium Composition, Log(mol %)

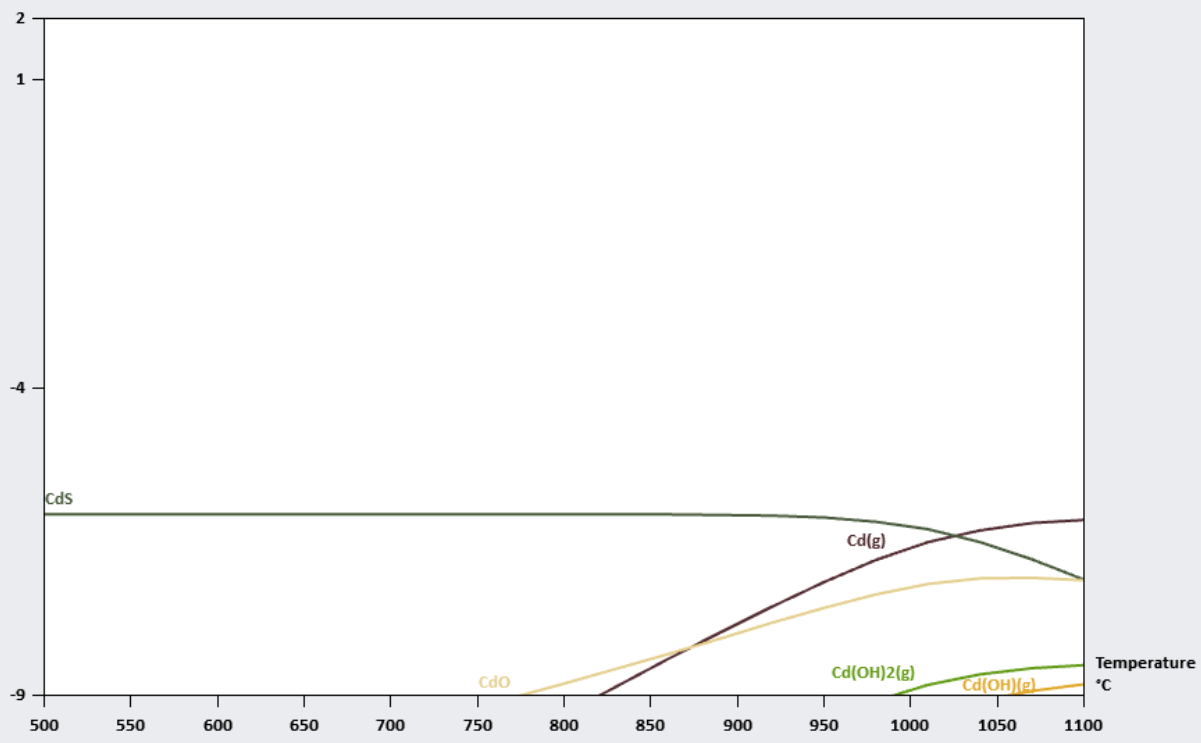
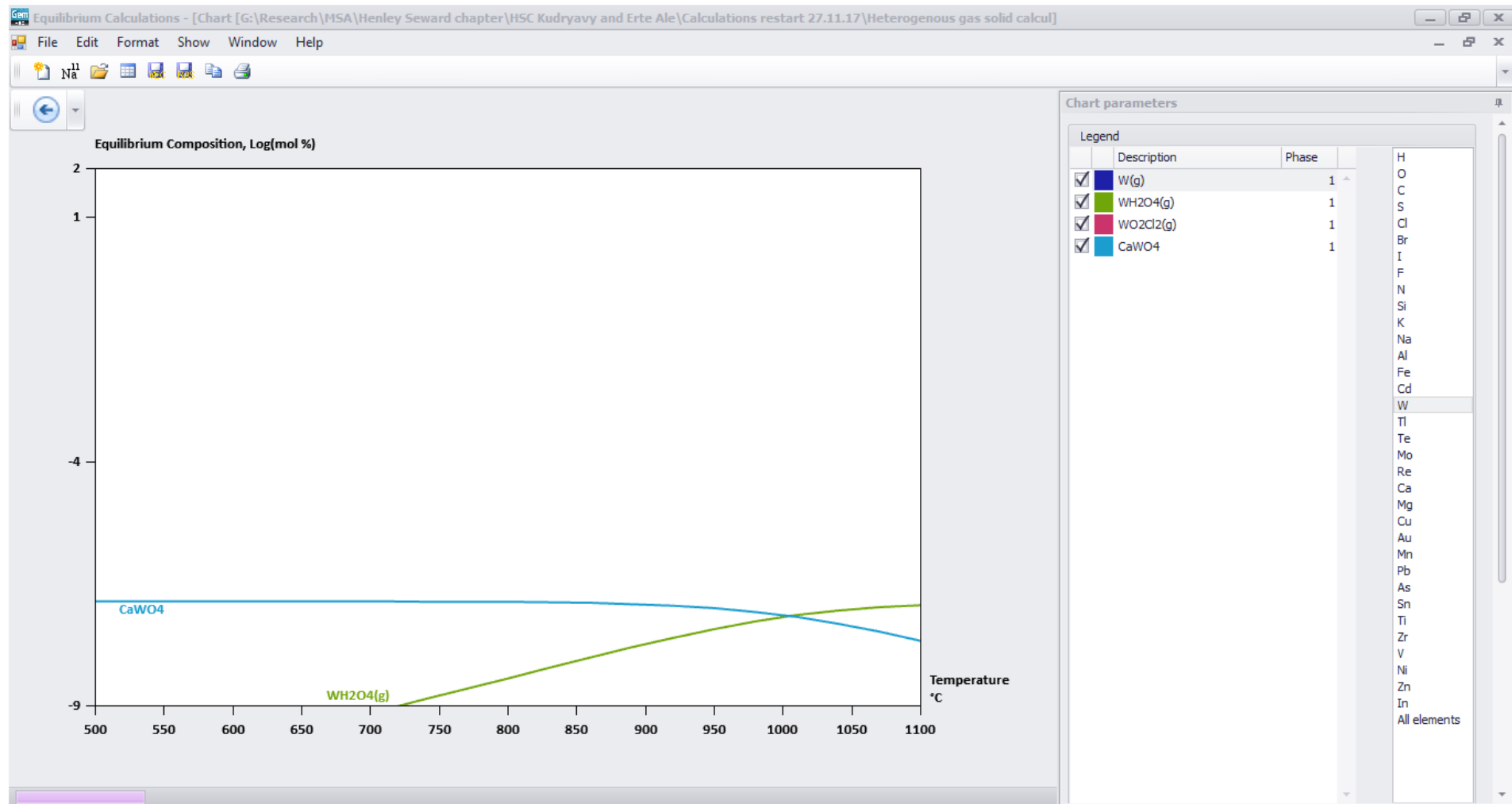


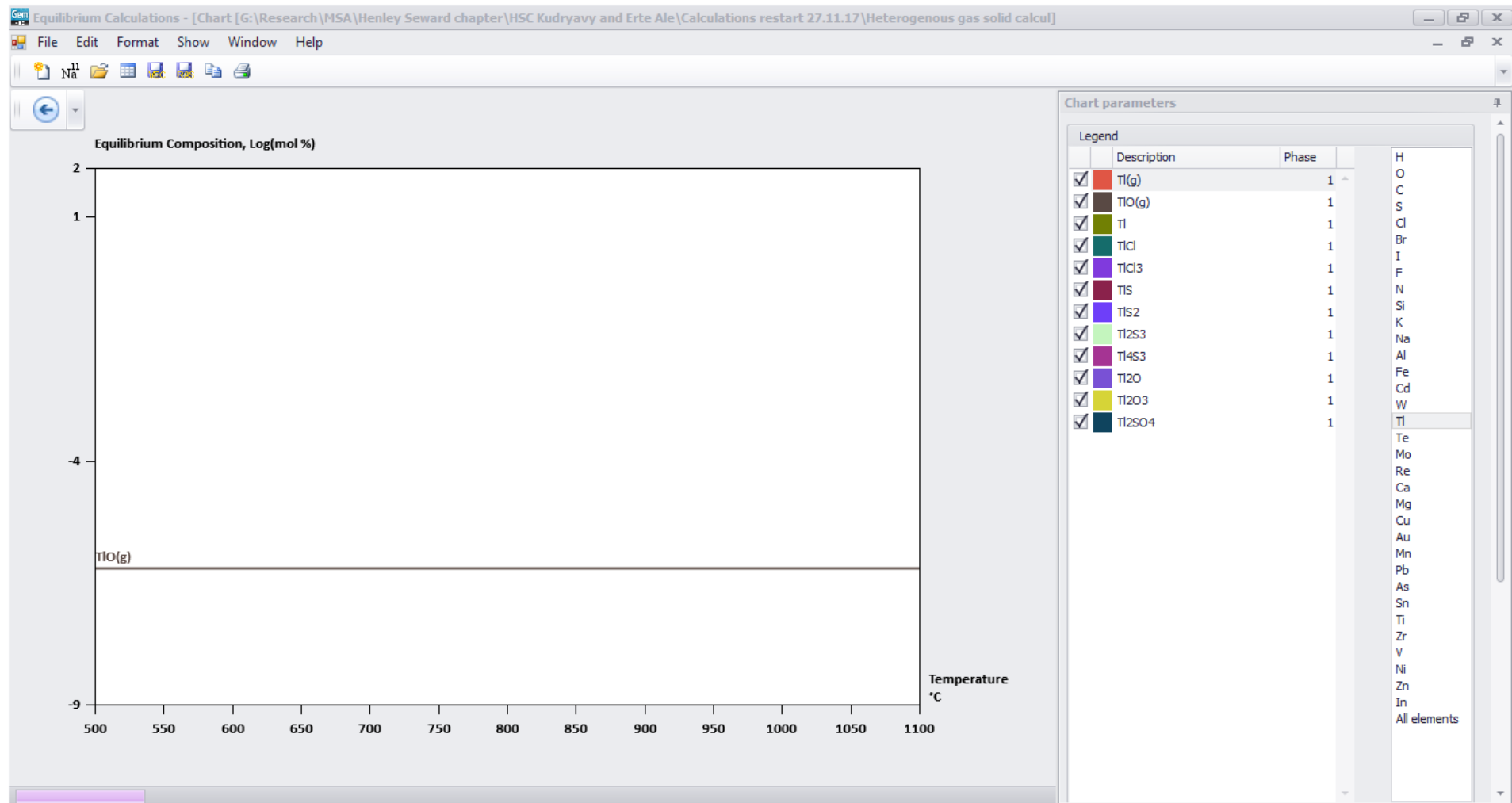
Chart parameters

Legend	Description	Phase
<input checked="" type="checkbox"/>	Cd(g)	1
<input checked="" type="checkbox"/>	CdCl ₂ (g)	1
<input checked="" type="checkbox"/>	CdI ₂ (g)	1
<input checked="" type="checkbox"/>	Cd(OH)(g)	1
<input checked="" type="checkbox"/>	Cd(OH) ₂ (g)	1
<input checked="" type="checkbox"/>	CdS	1
<input checked="" type="checkbox"/>	CdO	1
<input checked="" type="checkbox"/>	CdIn ₂ S ₄	1

Element list:

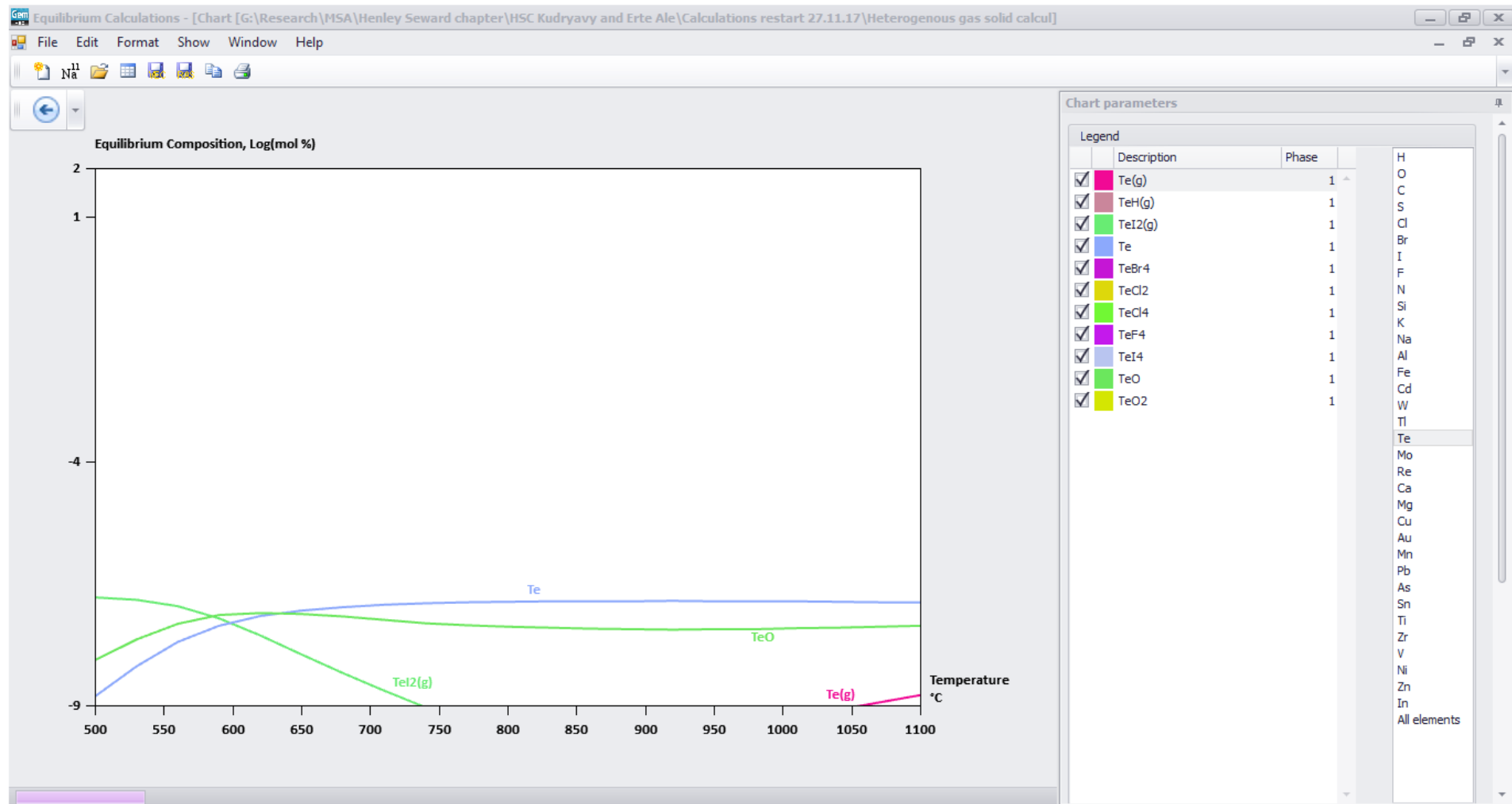
- H
- O
- C
- S
- Cl
- Br
- I
- F
- N
- Si
- K
- Na
- Al
- Fe
- Cd**
- W
- Tl
- Te
- Mo
- Re
- Ca
- Mg
- Cu
- Au
- Mn
- Pb
- As
- Sn
- Ti
- Zr
- V
- Ni
- Zn
- In
- All elements





22/03/2018

1 bar total pressure gas plus solid





Equilibrium Composition, Log(mol %)

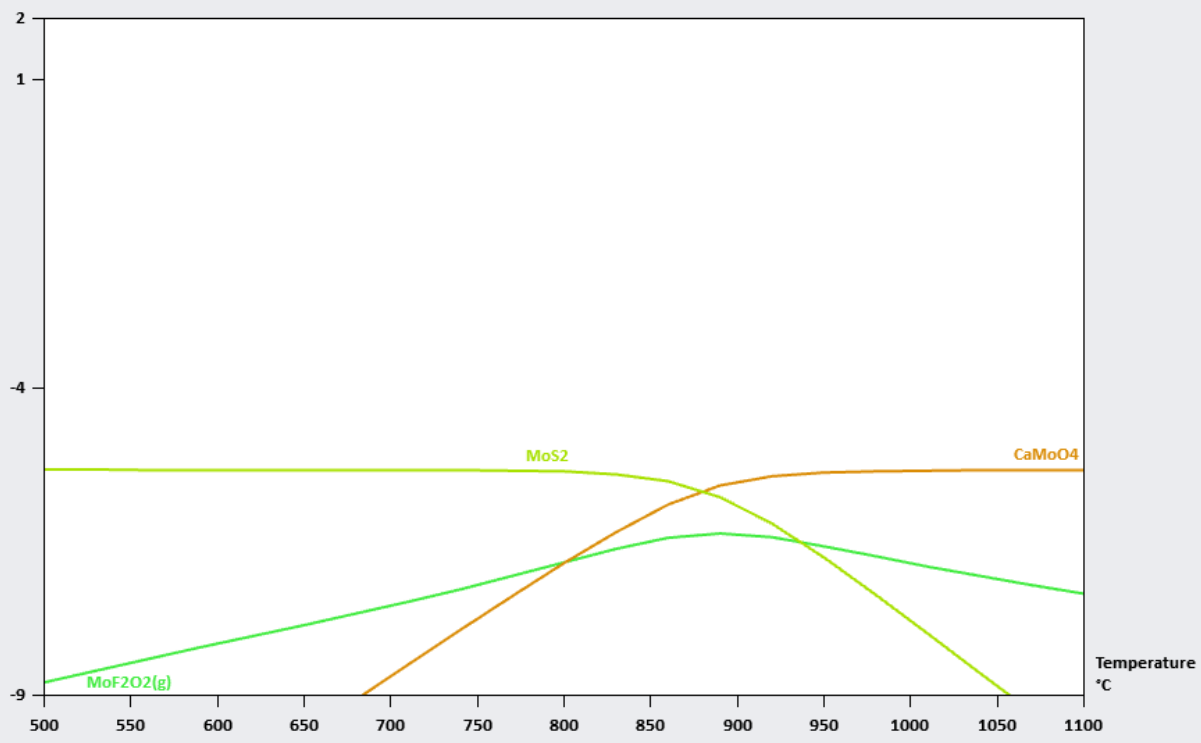


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Mo(g)	1	H
<input checked="" type="checkbox"/>	MoF2O2(g)	1	O
<input checked="" type="checkbox"/>	MoF3O(g)	1	C
<input checked="" type="checkbox"/>	MoO2(OH)2(g)	1	S
<input checked="" type="checkbox"/>	CaMoO4	1	Cl
<input checked="" type="checkbox"/>	MoS2	1	Br
			I
			F
			N
			Si
			K
			Na
			Al
			Fe
			Cd
			W
			Ti
			Te
			Mo
			Re
			Ca
			Mg
			Cu
			Au
			Mn
			Pb
			As
			Sn
			Tl
			Zr
			V
			Ni
			Zn
			In
			All elements



Equilibrium Composition, Log(mol %)

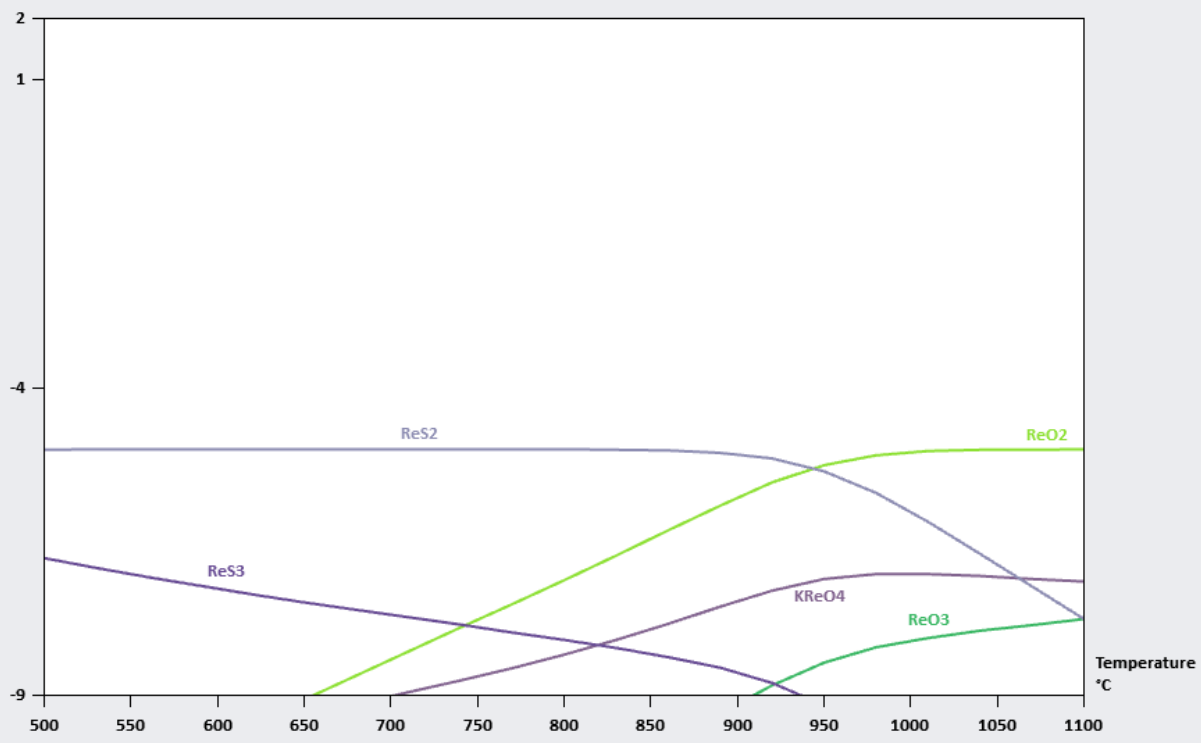
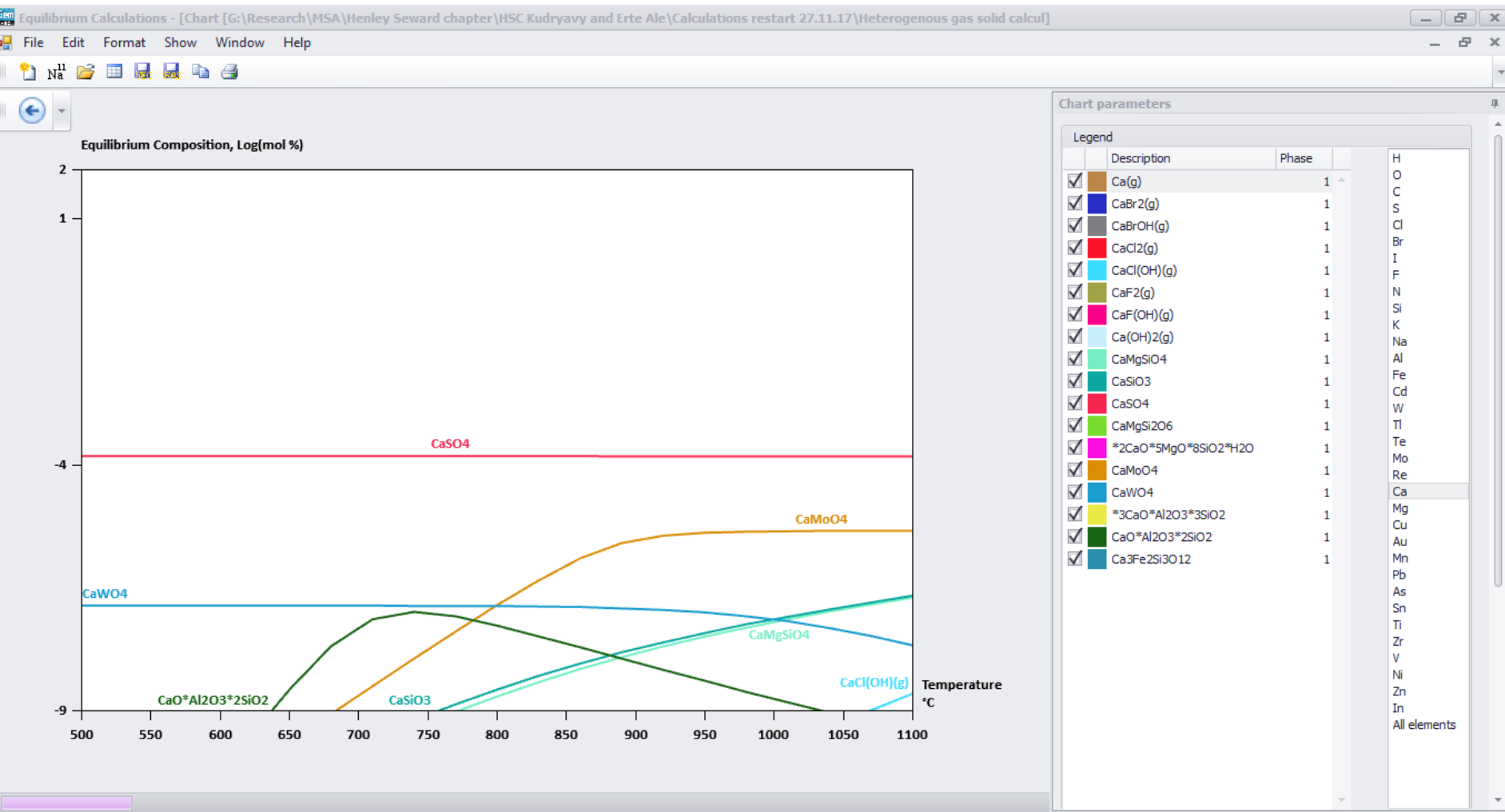


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Re(g)	1	H
<input checked="" type="checkbox"/>	ReBr3(g)	1	O
<input checked="" type="checkbox"/>	ReCl3(g)	1	C
<input checked="" type="checkbox"/>	ReI3(g)	1	S
<input checked="" type="checkbox"/>	ReO2(g)	1	Cl
<input checked="" type="checkbox"/>	ReO3(g)	1	Br
<input checked="" type="checkbox"/>	Re2O6(g)	1	I
<input checked="" type="checkbox"/>	Re2O7(g)	1	F
<input checked="" type="checkbox"/>	KReO4	1	N
<input checked="" type="checkbox"/>	ReBr3	1	Si
<input checked="" type="checkbox"/>	ReCl3	1	K
<input checked="" type="checkbox"/>	ReCl4	1	Na
<input checked="" type="checkbox"/>	ReCl5	1	Al
<input checked="" type="checkbox"/>	Re3Cl9	1	Fe
<input checked="" type="checkbox"/>	ReO2	1	Cd
<input checked="" type="checkbox"/>	ReO3	1	W
<input checked="" type="checkbox"/>	ReO4	1	Tl
<input checked="" type="checkbox"/>	Re2O3	1	Te
<input checked="" type="checkbox"/>	Re2O7	1	Mo
<input checked="" type="checkbox"/>	ReS2	1	Re
<input checked="" type="checkbox"/>	ReS3	1	Ca
<input checked="" type="checkbox"/>	Re2S7	1	Mg
<input checked="" type="checkbox"/>			Cu
<input checked="" type="checkbox"/>			Au
<input checked="" type="checkbox"/>			Mn
<input checked="" type="checkbox"/>			Pb
<input checked="" type="checkbox"/>			As
<input checked="" type="checkbox"/>			Sn
<input checked="" type="checkbox"/>			Tl
<input checked="" type="checkbox"/>			Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			All elements





Equilibrium Composition, Log(mol %)

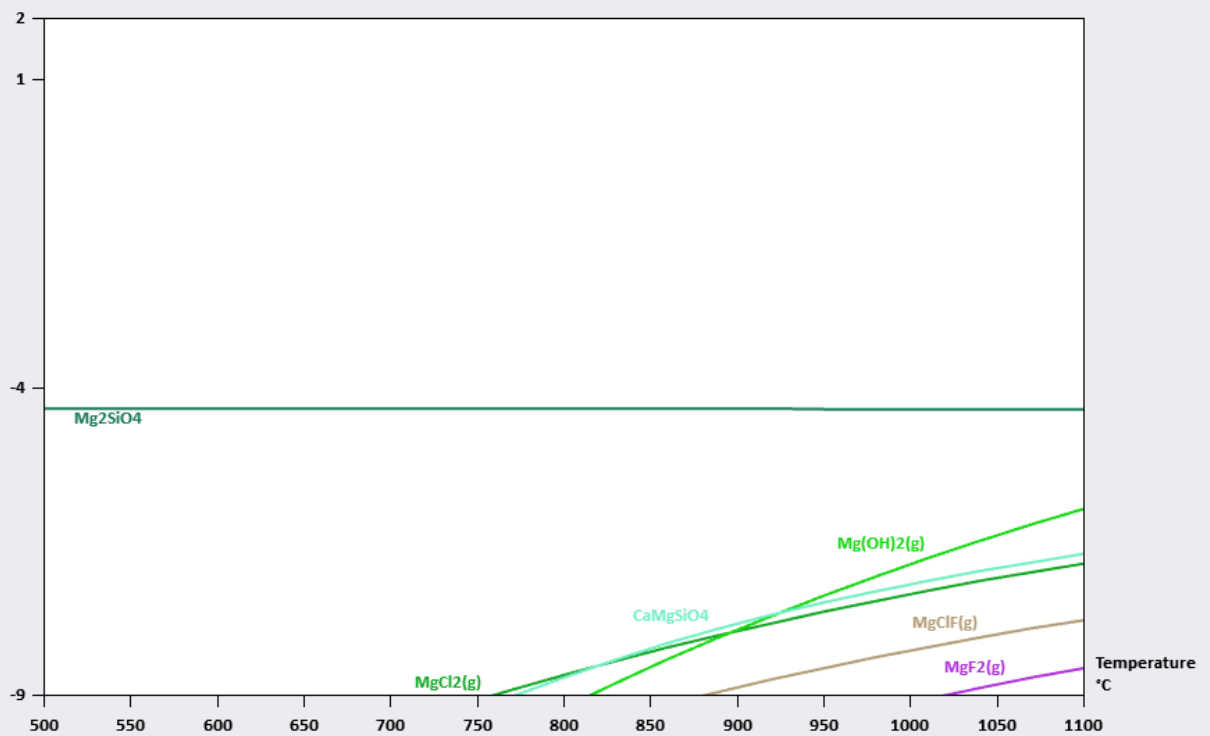


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Mg(g)	1	H
<input checked="" type="checkbox"/>	MgBr ₂ (g)	1	O
<input checked="" type="checkbox"/>	MgCl ₂ (g)	1	C
<input checked="" type="checkbox"/>	Mg ₂ Cl ₄ (g)	1	S
<input checked="" type="checkbox"/>	MgClF(g)	1	Cl
<input checked="" type="checkbox"/>	MgF ₂ (g)	1	Br
<input checked="" type="checkbox"/>	Mg ₂ F ₄ (g)	1	I
<input checked="" type="checkbox"/>	MgOH(g)	1	F
<input checked="" type="checkbox"/>	Mg(OH) ₂ (g)	1	N
<input checked="" type="checkbox"/>	Mg ₂ SiO ₄	1	Si
<input checked="" type="checkbox"/>	Mg ₂ Si ₂ O ₆ (E)	1	K
<input checked="" type="checkbox"/>	CaMgSiO ₄	1	Na
<input checked="" type="checkbox"/>	CaMgSi ₂ O ₆	1	Al
<input checked="" type="checkbox"/>	*2CaO*5MgO*8SiO ₂ *H ₂ O	1	Fe

Element list: H, O, C, S, Cl, Br, I, F, N, Si, K, Na, Al, Fe, Cd, W, Ti, Te, Mo, Re, Ca, Mg, Cu, Au, Mn, Pb, As, Sn, Ti, Zr, V, Ni, Zn, In, All elements



Equilibrium Composition, Log(mol %)

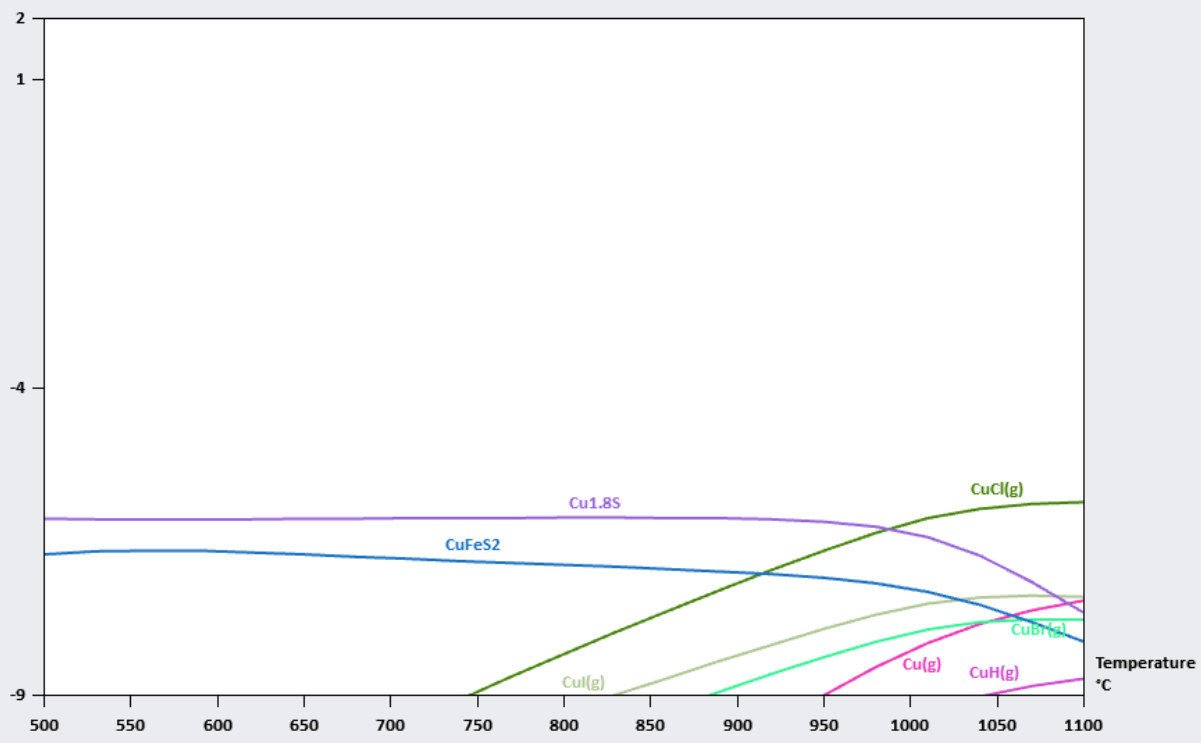
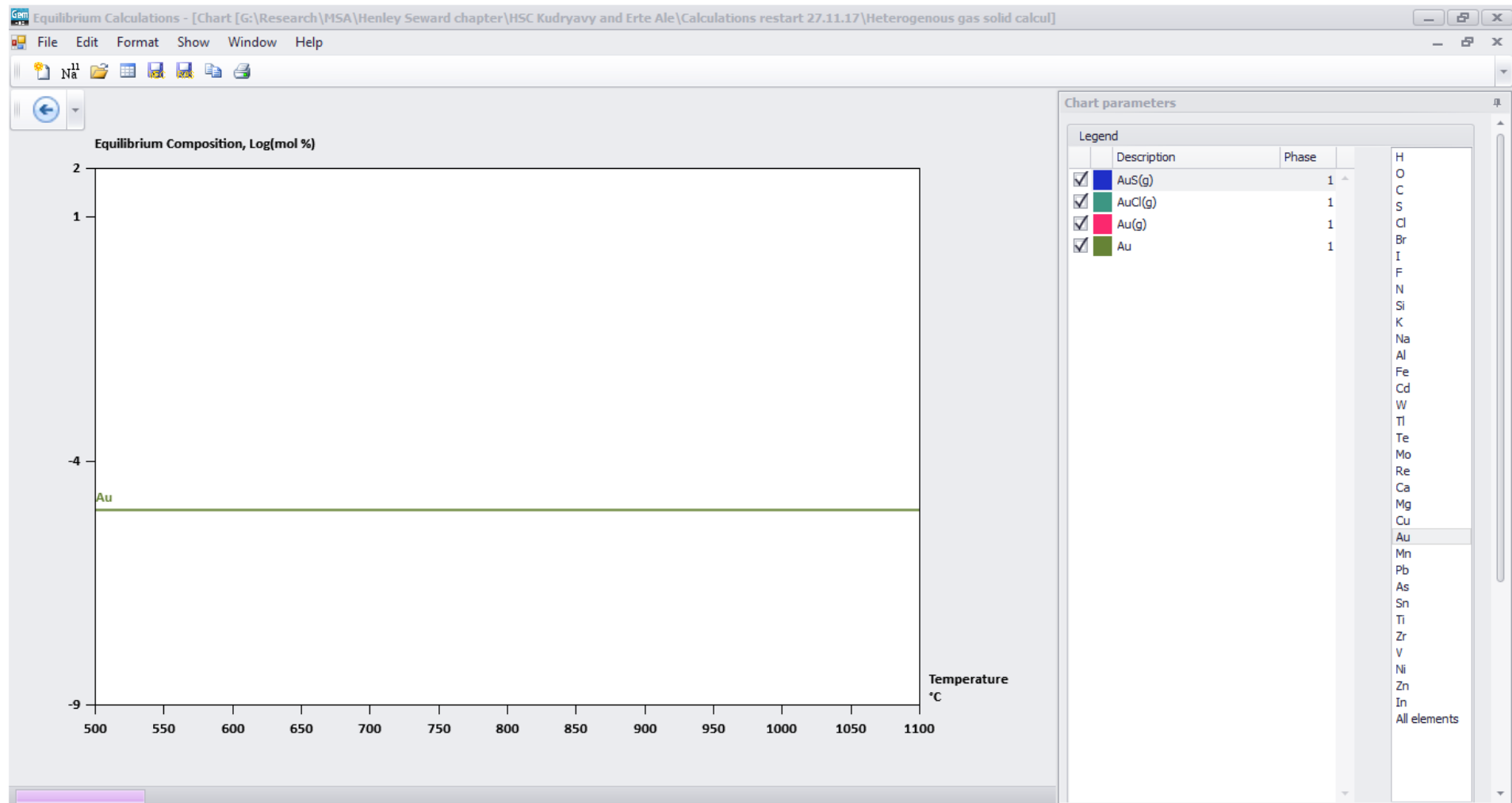


Chart parameters

Description	Phase	Legend
<input checked="" type="checkbox"/> Cu(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuBr(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuCl(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuCl ₂ (g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cu ₂ Cl ₂ (g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cu ₃ Cl ₃ (g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cu ₄ Cl ₄ (g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuH(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuI(g)	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cu _{1.8} S	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> CuFeS ₂	1	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Cu ₅ FeS ₄	1	<input checked="" type="checkbox"/>

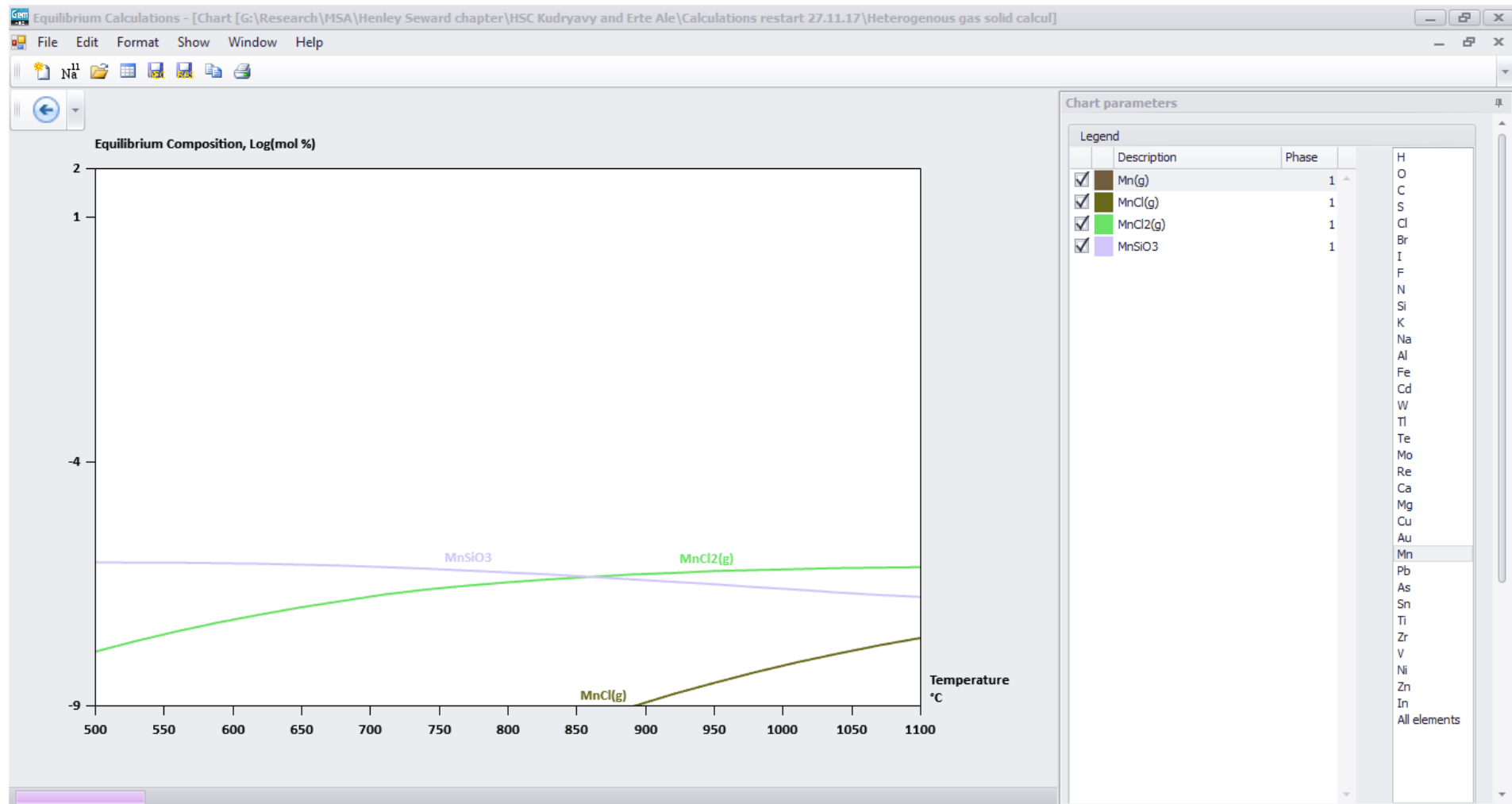
Legend

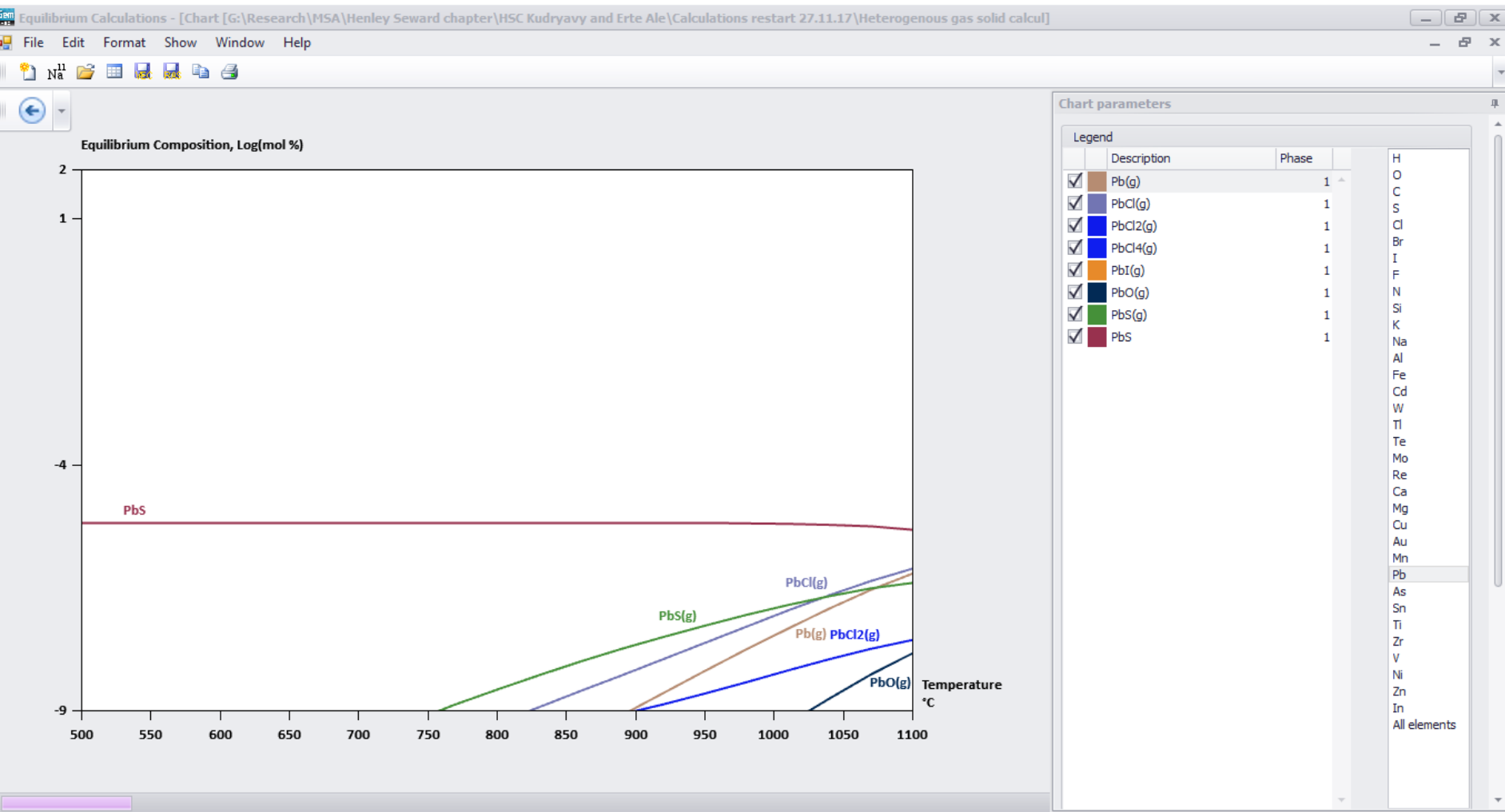
- H
- O
- C
- S
- Cl
- Br
- I
- F
- N
- Si
- K
- Na
- Al
- Fe
- Cd
- W
- Ti
- Te
- Mo
- Re
- Ca
- Mg
- Cu
- Au
- Mn
- Pb
- As
- Sn
- Tl
- Zr
- V
- Ni
- Zn
- In
- All elements



22/03/2018

1 bar total pressure gas plus solid







Equilibrium Composition, Log(mol %)

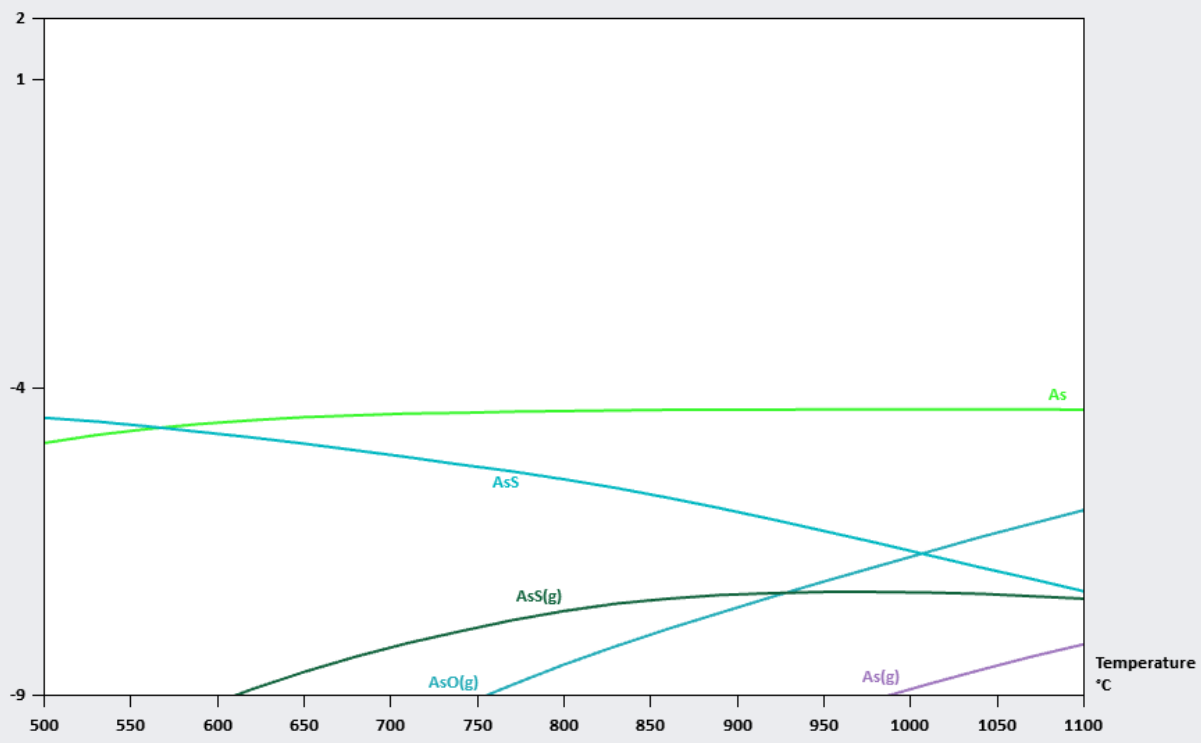
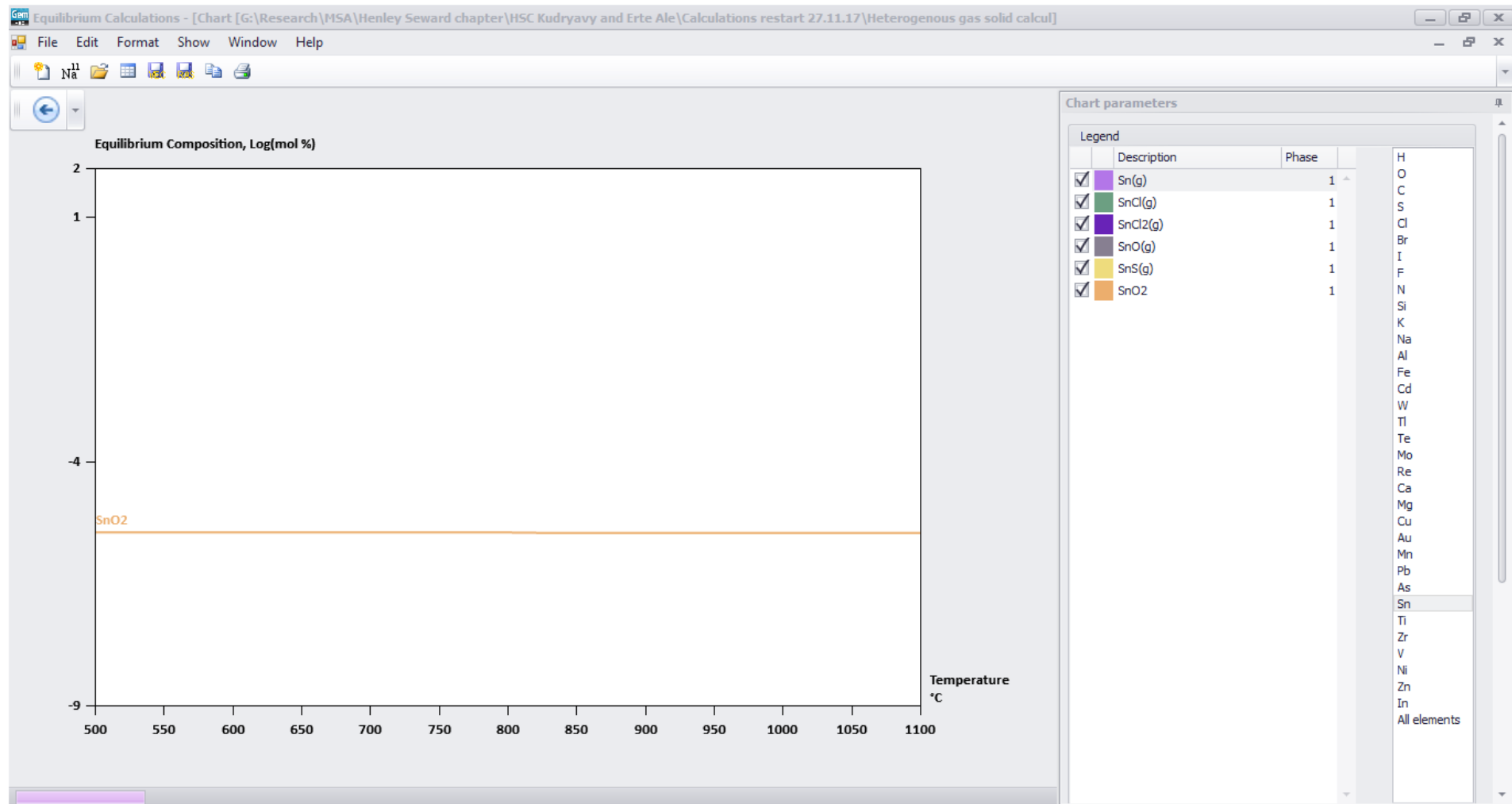


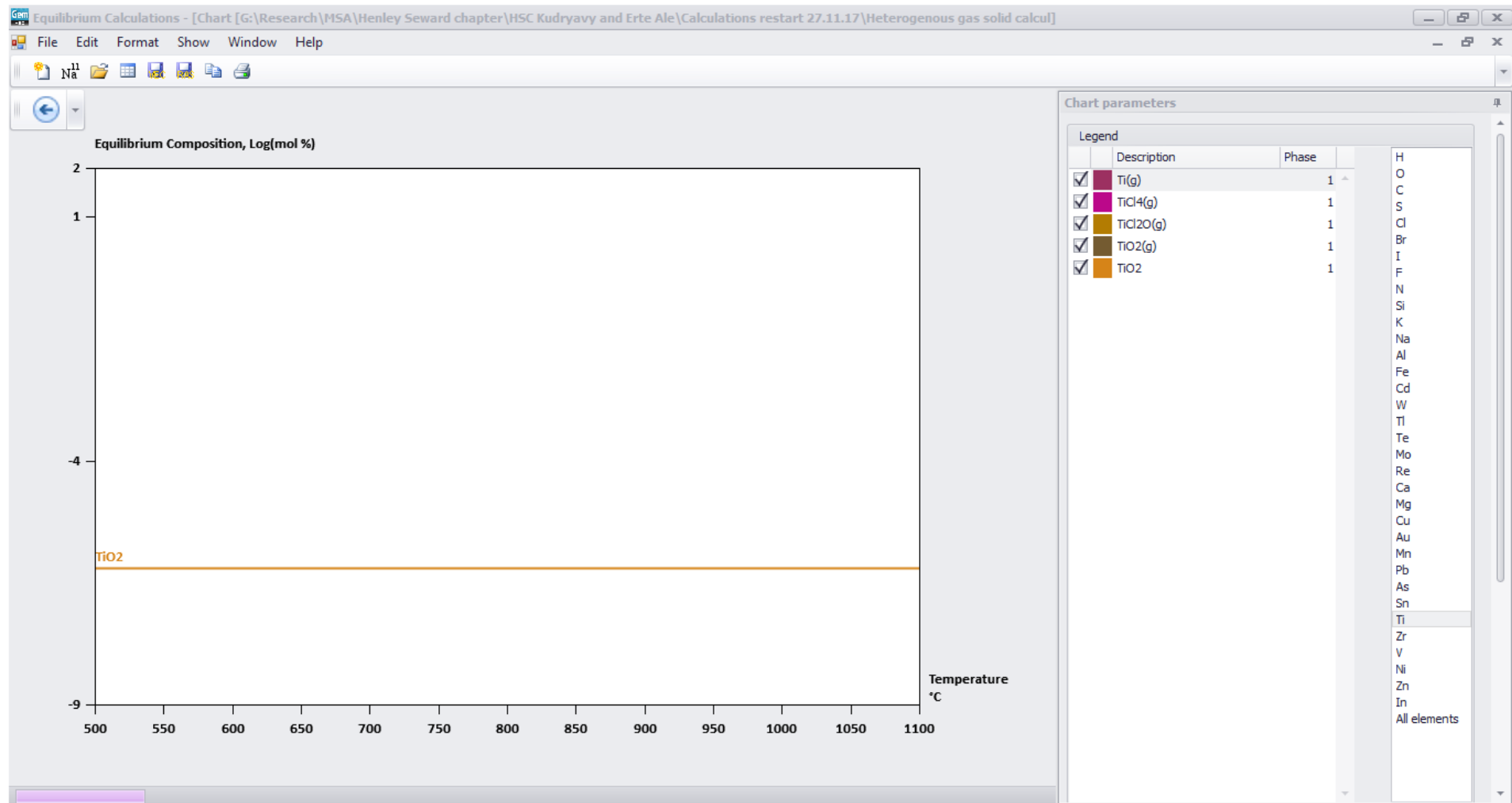
Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	As(g)	1	H
<input checked="" type="checkbox"/>	As2(g)	1	O
<input checked="" type="checkbox"/>	As4(g)	1	C
<input checked="" type="checkbox"/>	AsCl3(g)	1	S
<input checked="" type="checkbox"/>	AsI(g)	1	Cl
<input checked="" type="checkbox"/>	AsO(g)	1	Br
<input checked="" type="checkbox"/>	AsO2(g)	1	I
<input checked="" type="checkbox"/>	As2O3(g)	1	F
<input checked="" type="checkbox"/>	As4O6(g)	1	N
<input checked="" type="checkbox"/>	AsS(g)	1	Si
<input checked="" type="checkbox"/>	As2S3(g)	1	K
<input checked="" type="checkbox"/>	As4S4(g)	1	Na
<input checked="" type="checkbox"/>	As	1	Al
<input checked="" type="checkbox"/>	As2O4	1	Fe
<input checked="" type="checkbox"/>	As2O5	1	Cd
<input checked="" type="checkbox"/>	As2S2	1	W
<input checked="" type="checkbox"/>	As2S3	1	Tl
<input checked="" type="checkbox"/>	As2S5	1	Te
<input checked="" type="checkbox"/>	As4S3	1	Mo
<input checked="" type="checkbox"/>	As4S4	1	Re
<input checked="" type="checkbox"/>	As4S6	1	Ca
<input checked="" type="checkbox"/>	As4O6	1	Mg
<input checked="" type="checkbox"/>	AsS	1	Cu
<input checked="" type="checkbox"/>			Au
<input checked="" type="checkbox"/>			Mn
<input checked="" type="checkbox"/>			Pb
<input checked="" type="checkbox"/>			As
<input checked="" type="checkbox"/>			Sn
<input checked="" type="checkbox"/>			Tl
<input checked="" type="checkbox"/>			Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			All elements



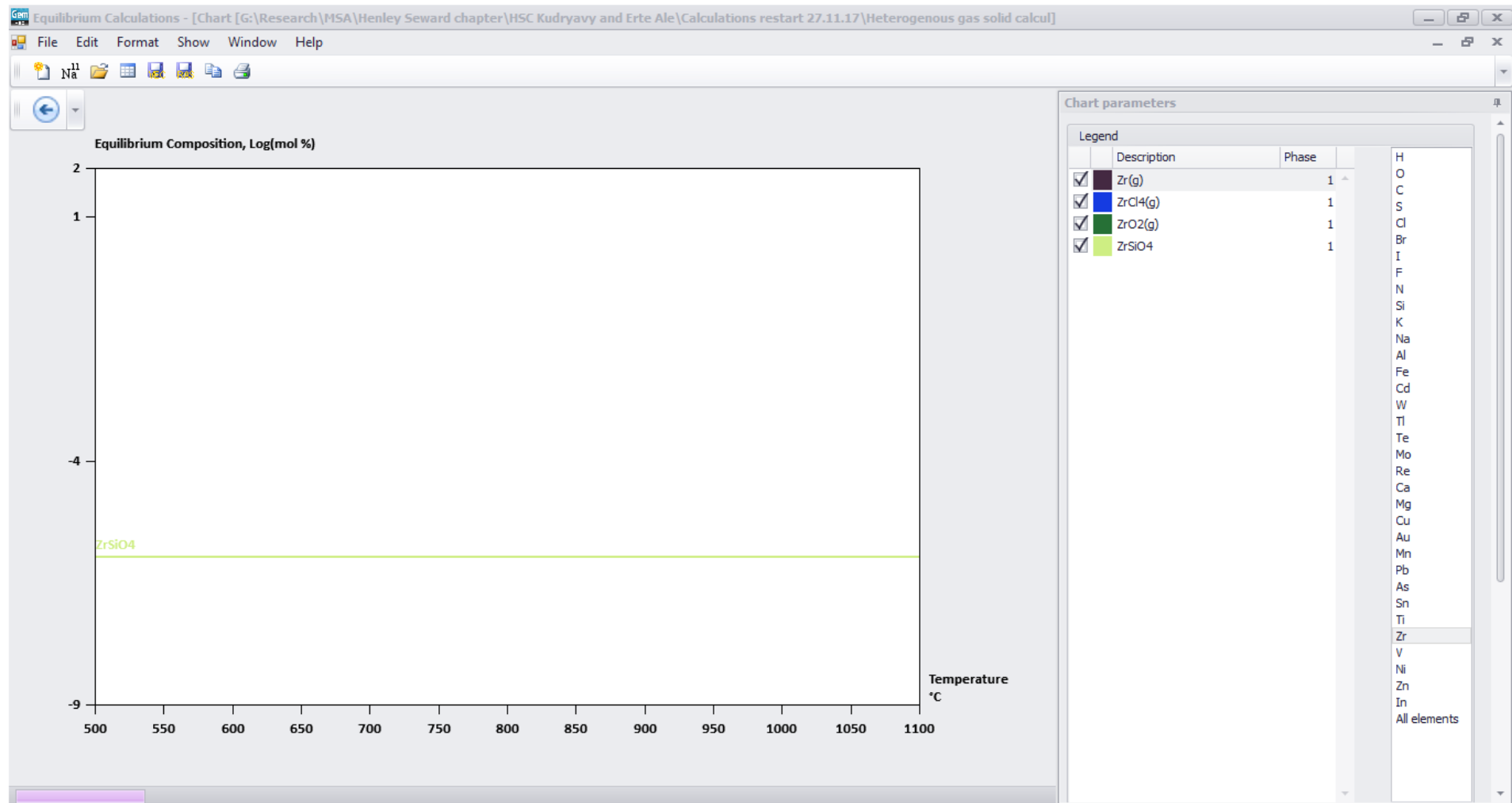
22/03/2018

1 bar total pressure gas plus solid



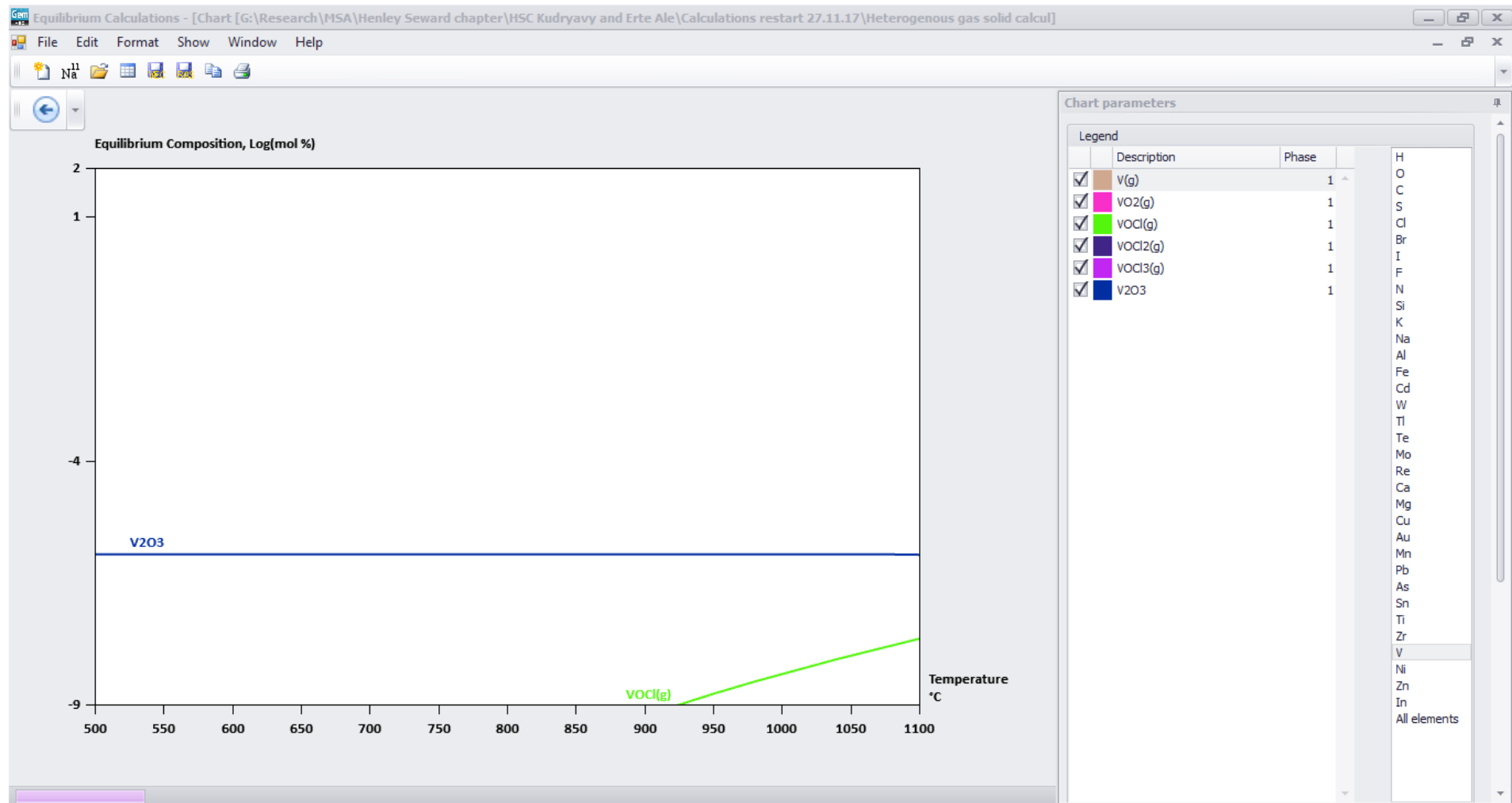
22/03/2018

1 bar total pressure gas plus solid



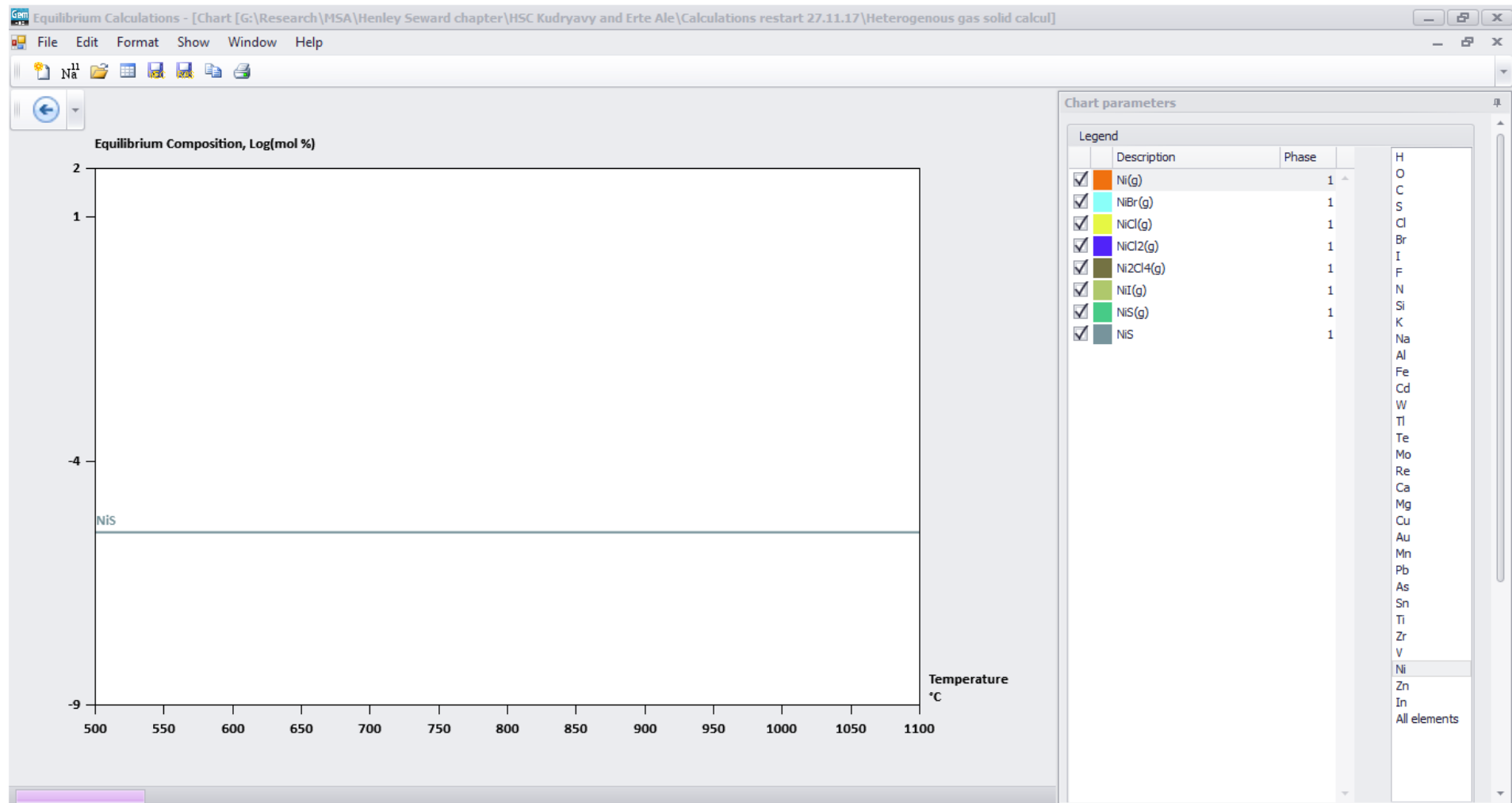
22/03/2018

1 bar total pressure gas plus solid



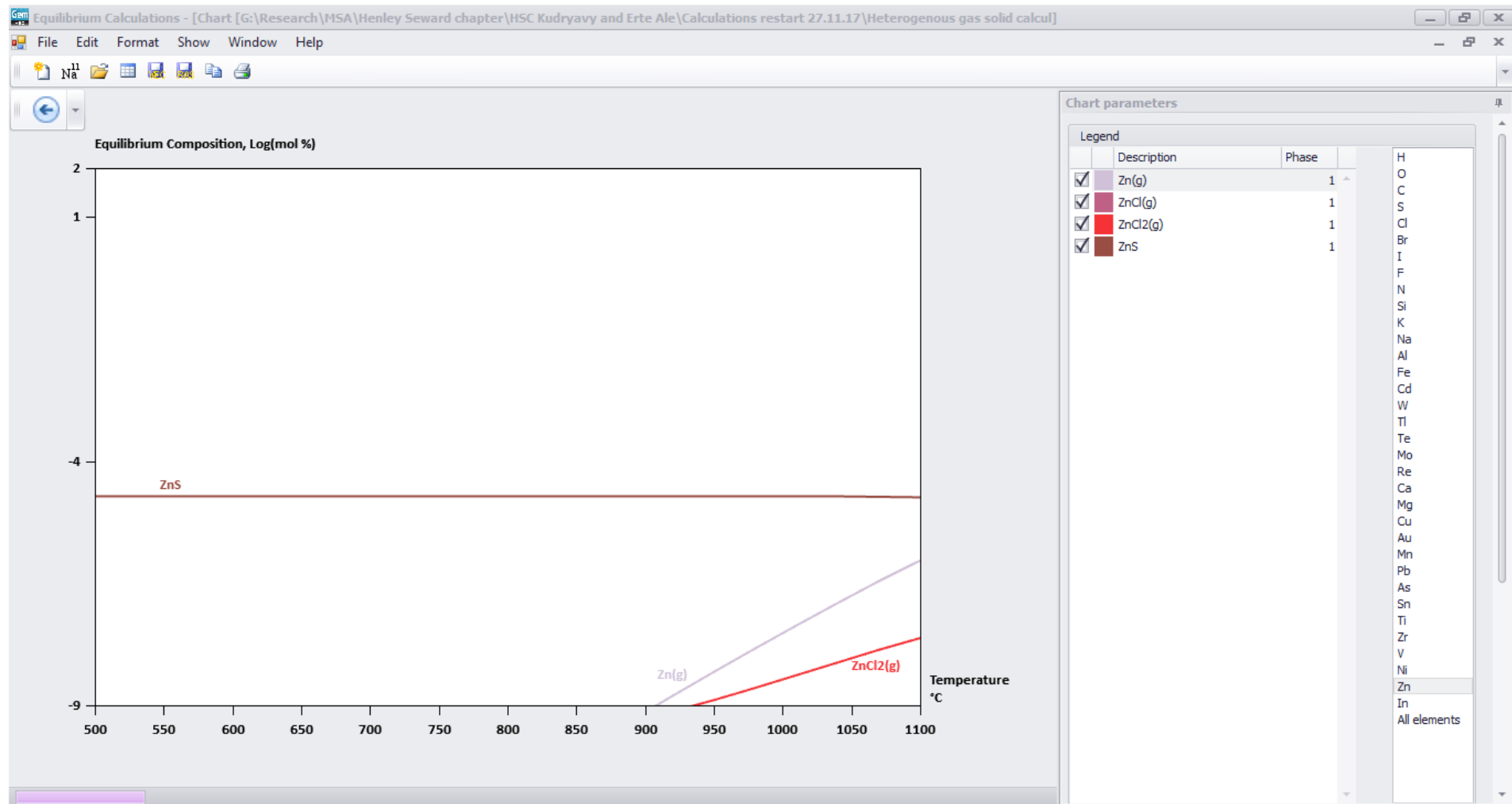
22/03/2018

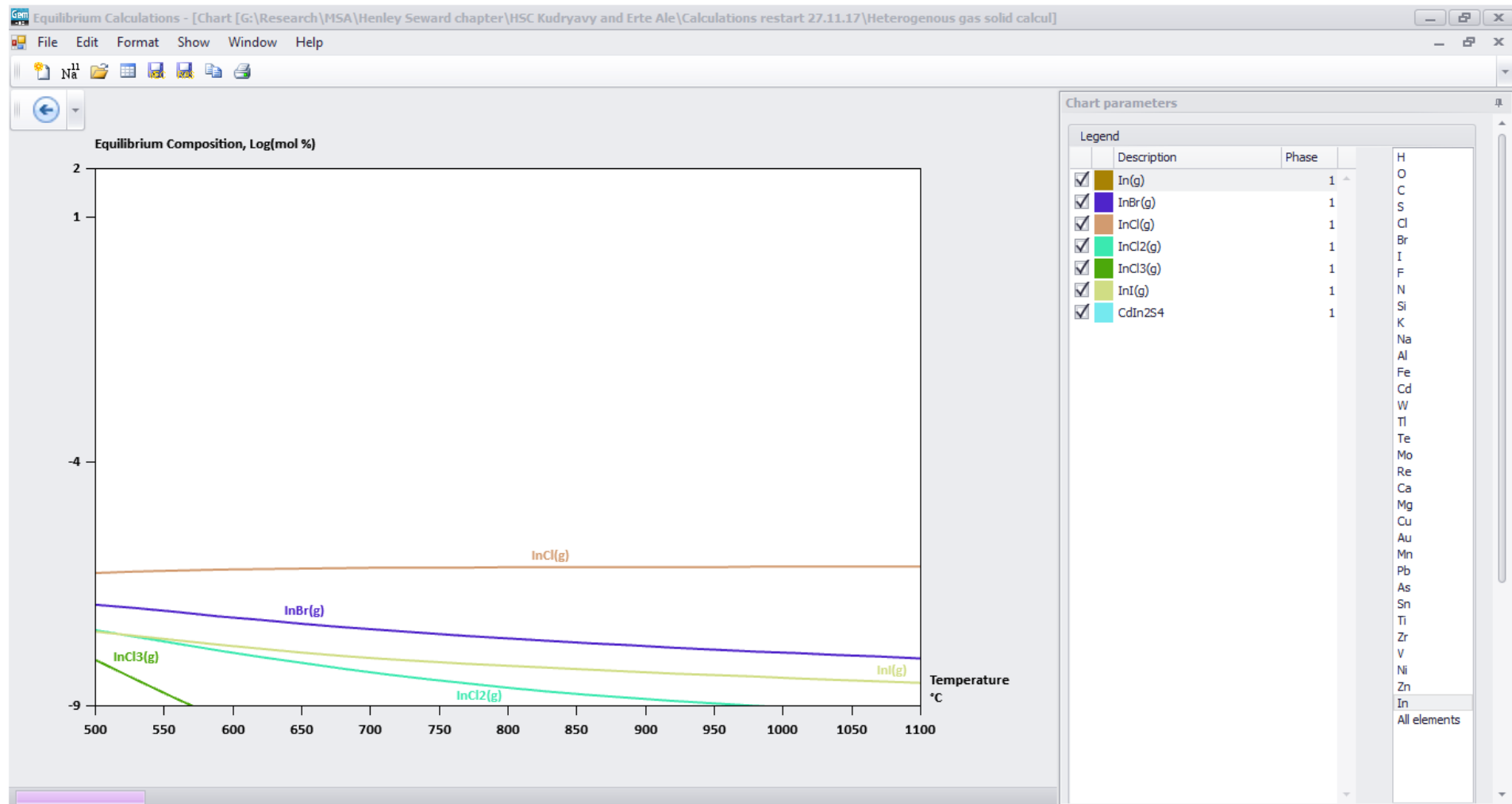
1 bar total pressure gas plus solid



22/03/2018

1 bar total pressure gas plus solid







Equilibrium Composition, Log(mol %)

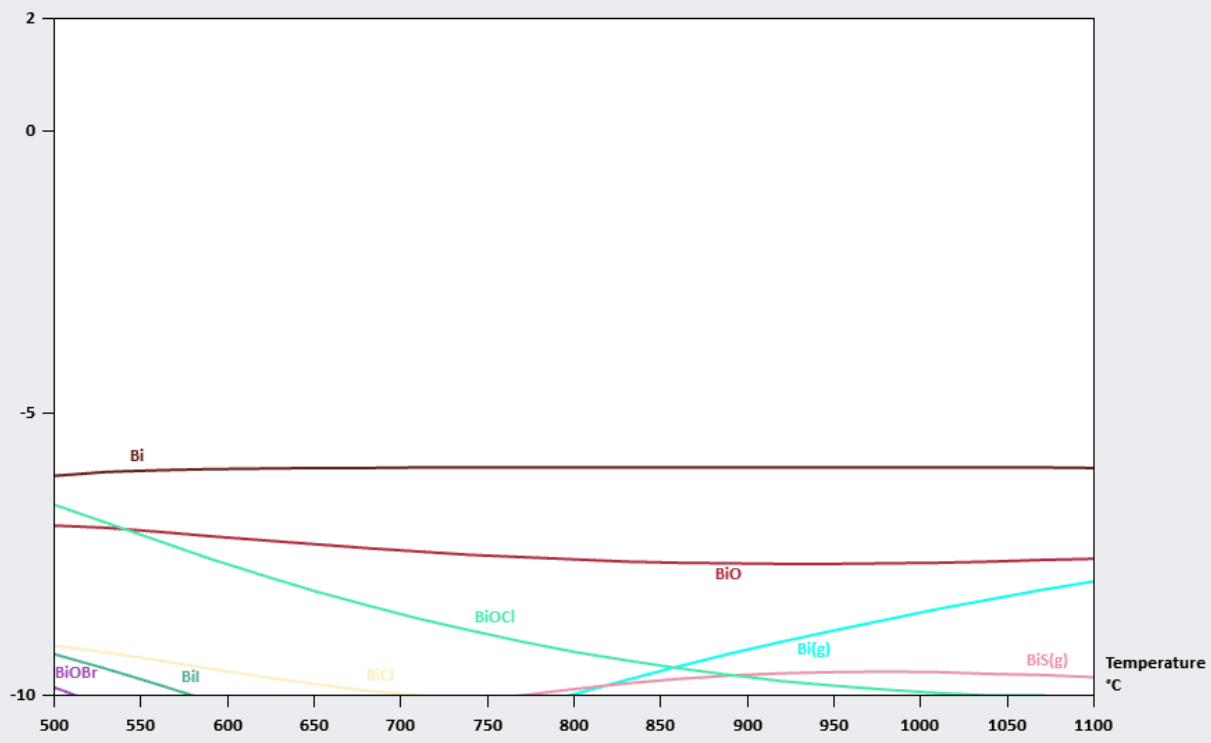


Chart parameters

Legend	Description	Phase	
<input checked="" type="checkbox"/>	Bi(g)	1	H
<input checked="" type="checkbox"/>	Bi2(g)	1	O
<input checked="" type="checkbox"/>	Bi3(g)	1	C
<input checked="" type="checkbox"/>	Bi4(g)	1	S
<input checked="" type="checkbox"/>	BiBr3(g)	1	Cl
<input checked="" type="checkbox"/>	BiBr(g)	1	Br
<input checked="" type="checkbox"/>	BiBr3(g)	1	I
<input checked="" type="checkbox"/>	BiCl(g)	1	F
<input checked="" type="checkbox"/>	BiCl2(g)	1	N
<input checked="" type="checkbox"/>	BiCl3(g)	1	Si
<input checked="" type="checkbox"/>	BiF(g)	1	K
<input checked="" type="checkbox"/>	BiF2(g)	1	Na
<input checked="" type="checkbox"/>	BiF3(g)	1	Al
<input checked="" type="checkbox"/>	BiH(g)	1	Fe
<input checked="" type="checkbox"/>	BiH3(g)	1	Cd
<input checked="" type="checkbox"/>	BiI(g)	1	W
<input checked="" type="checkbox"/>	BiI3(g)	1	Tl
<input checked="" type="checkbox"/>	BiO(g)	1	Te
<input checked="" type="checkbox"/>	Bi2O2(g)	1	Mo
<input checked="" type="checkbox"/>	Bi2O3(g)	1	Re
<input checked="" type="checkbox"/>	Bi3O4(g)	1	Ca
<input checked="" type="checkbox"/>	Bi4O6(g)	1	Mg
<input checked="" type="checkbox"/>	Bi(OH)3(g)	1	Cu
<input checked="" type="checkbox"/>	Bi(OH)2Br(g)	1	Au
<input checked="" type="checkbox"/>	Bi(OH)2Cl(g)	1	Mn
<input checked="" type="checkbox"/>	Bi(OH)2I(g)	1	Pb
<input checked="" type="checkbox"/>	BiS(g)	1	As
<input checked="" type="checkbox"/>	(BiS)2(g)	1	Sn
<input checked="" type="checkbox"/>	Bi2S3(g)	1	Tl
<input checked="" type="checkbox"/>	Bi	1	Zr
<input checked="" type="checkbox"/>			V
<input checked="" type="checkbox"/>			Ni
<input checked="" type="checkbox"/>			Zn
<input checked="" type="checkbox"/>			In
<input checked="" type="checkbox"/>			Bi
<input checked="" type="checkbox"/>			All elements