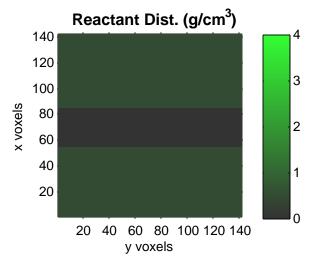
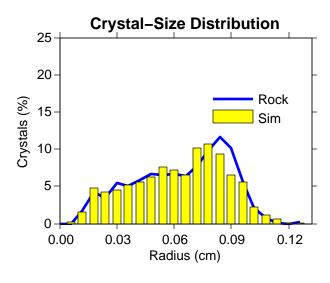
PM4

PM4_120619_1554_rnd1





	Simulation
N, total crystals:	979
N _{max} , specified maximum number of xtls:	0
ND, xtl num density (xtls/cm ³):	43
t _{dur} , xtlzn duration (my):	13.6 ^a
T _{eq} , equil T of rxn (°C):	435
T _{over} , therm overstep (°C):	10
T ₉₅ , T at 95% AI in prod (°C):	535 ^a
r _{min} , min radius (cm):	0.007
r _{mean} , mean radius (cm):	0.063
r _{max} , max radius (cm):	0.124
Mode (vol%):	6.2
Max mode, specified (ppb vol%):	0.0
D _{inf} (cm ² /s):	3.00e-05
[Al] _{fl} in eq w/products (mol/cm ³):	5.60e-07
φ, porosity:	1.20e+01
τ, tortuosity:	1.00e+00
Q _D (kJ/mol):	140
$D = D_{inf} \phi \tau e^{(-Q_D/RT)} (m^2/s)$:	2.17e-17 ⁶
(at T _c , 520 °C and 8.5 Myr) ^a	
k ₁ , (dN/dt) _{steady-state} (nucl/cm ³ /s):	1.50e-13
k ₁ , (dN/dt) _{steady-state} (nucl/cm ³ /s): (dN/dt) _{max} (nucl/cm ³ /s):	1.42e-13
k ₂ , nucl acceleration:	2.00e-01
A ₁ , first nucl affinity (kJ/mol):	1.6
A _{max} , max nucl affinity (kJ/mol):	17.5
A _{max mean} , max mean affinity (kJ/mol):	15.1
Time step (y):	200
Reporting interval (y):	1.00e+05
_	

^aDetermined at nearest reporting interval

Simulation	Rock
979	1630
0	
43	44
13.6 ^a	10
435	unknown
10	
535 ^a	535
0.007	0.010
0.063	0.063
0.124	0.130
6.2	6.2
0.0	
3.00e-05	
5.60e-07	
1.20e+01	
1.00e+00	
140	
2.17e-17 ^a	
1.50e-13	
1.42e-13	
2.00e-01	
1.6	
17.5	
15.1	

