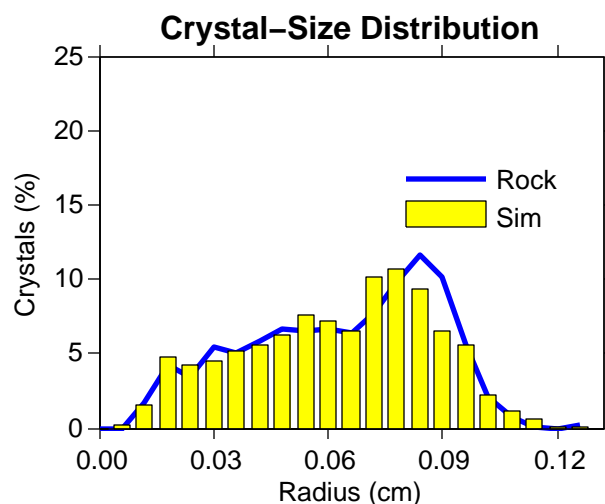
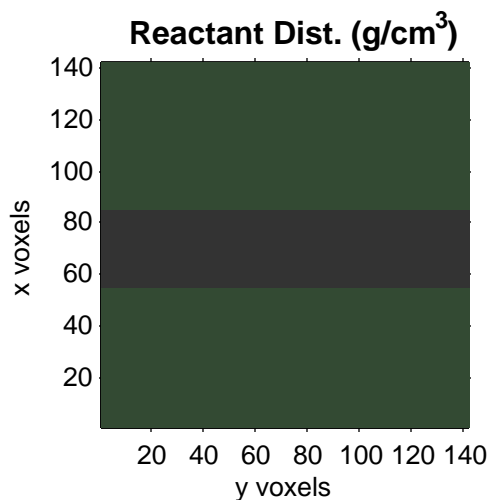


PM4

PM4_120619_1554_rnd1



N, total crystals:
 N_{\max} , specified maximum number of xtls:
 ND, xtl num density (xtls/cm³):
 t_{dur} , xtlzn duration (my):
 T_{eq} , equil T of rxn (°C):
 T_{over} , therm overstep (°C):
 T_{95} , T at 95% Al in prod (°C):
 r_{min} , min radius (cm):
 r_{mean} , mean radius (cm):
 r_{max} , max radius (cm):
 Mode (vol%):
 Max mode, specified (ppb vol%):

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	

D_{inf} (cm²/s):
 $[Al]_{\text{fl}}$ in eq w/products (mol/cm³):
 ϕ , porosity:
 τ , tortuosity:
 Q_D (kJ/mol):
 $D = D_{\text{inf}} \phi \tau e^{(-Q_D/RT)}$ (m²/s):
 (at T_c , 520 °C and 8.5 Myr)^a
 k_1 , (dN/dt)_{steady-state} (nucl/cm³/s):
 $(dN/dt)_{\text{max}}$ (nucl/cm³/s):
 k_2 , nucl acceleration:

A_1 , first nucl affinity (kJ/mol):
 A_{max} , max nucl affinity (kJ/mol):
 $A_{\text{max mean}}$, max mean affinity (kJ/mol):

Time step (y):
 Reporting interval (y):

^aDetermined at nearest reporting interval

