

84	10.1	1,100	120	Ol + Px + Pl + Spinel	Similar to 9 kb, 1,100°C run, olivine reflections weak.
488	11.3	1,100	150	Px + Pl + Spinel	Olivine absent, plagioclase much decreased from 10.1 kb run and spinel more abundant.
762	11.3	1,370	40	Ol + Opx + Glass	Moderately common large orthopyroxene laths, less common small olivine euhedra. Comparable crystallization to 13.5 kb, 1380°C run.
487	12.4	1,100	180	Px + Pl + Spinel	Plagioclase decreased from run 488. No definite garnet. Spinel moderately common.
469	13.5	1,100	180	Px + Pl + Ga + Amphibole	Minor plagioclase reflections, weak garnet reflections but optically distinctive as porphyroblasts. Spinel minor or absent. Minor amphibole.
461	13.5	1,180	180	Opx + Cpx + Pl + Spinel	Predominantly clinopyroxene + orthopyroxene. Plagioclase definitely present but less abundant than at 13.5 kb, 1,100°C. Spinel moderately common. Orthopyroxene is very distinctive as large porphyroblasts with both spinel and plagioclase inclusions. Clinopyroxene, in contrast, occurs as small equant granules. No glass.
456	13.5	1,220	180	Opx + Cpx + ?Pl + Spinel + Glass	Orthopyroxene and clinopyroxene similar to 13.5 kb, 1,180°C run. Opx porphyroblasts contain included spinel and rare included plagioclase. Glass as intergranular low R.I. continuum, more abundant than discrete low R.I. plagioclase grains at 13.5 kb, 1180°C. Plagioclase identification probable from X-ray data.
441	13.5	1,220	60	Opx + Cpx + ?Pl + Spinel + Glass	Similar to previous 3hr run but with less low R.I. material. Opx porphyroblasts smaller than in 3 hr run. Plagioclase probably present. Very near solidus.
782	13.5	1,250	60	Opx + Cpx + Pl + Spinel	Mainly very fine-grained clinopyroxene with uncommon small euhedral orthopyroxene porphyroblasts. Minor spinel. Moderately common disconnected amoeboid patches of low R.I. plagioclase. No definite glass. Solidus run. Plag. approx. 15%.
438	13.5	1,270	60	Opx + Cpx + Spinel + Glass	Crystals > glass. Mainly fine, subhedral clinopyroxene with uncommon orthopyroxene as larger crystals. Intergranular continuum and some segregations of glass. Minor pale green spinel.
432	13.5	1,290	60	Opx + Cpx + Spinel + Glass	Very similar to 1,270°C run. Glass more common. Minor spinel identifiable on polished surface.
425	13.5	1,310	60	Opx + Cpx + Glass	Common small equant clinopyroxene, less common large orthopyroxene laths. Crystals > glass.

Table 4 (continued)

Run No.	Pressure (kb)	Temp. (°C)	Time (mins)	Phases present*	Comments
428	13.5	1,350	60	Opx + Cpx + Glass + quench cpx	Glass > crystals. Opx > Cpx. Large euhedral orthopyroxenes and very uncommon large clinopyroxene crystals. Clinopyroxene clearly primary and in part intergrown with orthopyroxene.
424	13.5	1,380	60	Opx + Glass + quench cpx	Common (10–15%) (Plate IB) euhedral orthopyroxene. Rare quench clinopyroxene, in part nucleating on orthopyroxene margins.
143	13.5	1,400	60	Opx + Glass	Uncommon large orthopyroxene crystals in glass. Some crystal settling possible. Near-liquidus run.
773	13.5	1,360	5	Cpx + ? Spinel + Glass + quench cpx	Poorly crystallized fine granular clinopyroxene, minor probable spinel and intergranular glass.
772	13.5	1,380	5	Opx + Cpx + Glass + quench cpx	Mainly poorly crystallized granular and feathery clinopyroxene. Rare orthopyroxene cores.
781	13.5	1,400	5	Opx + ?Cpx + Glass + quench cpx	Mainly feathery, granular and some rather clear clinopyroxene crystals + glass. Uncommon but distinctive orthopyroxene commonly with clinopyroxene rims or patchy "intergrowth" of clinopyroxene.
774	13.5	1,420	5	Glass + quench cpx	Glass with rare, feathery clinopyroxene.
761	13.5	1,380	40	Opx + Glass + quench cpx + residual Ga	The initial material for this run was crystallized to garnet + clinopyroxene at 30 kb, 1,100°C, 4 hrs. The run consisted of abundant glass, moderately common clear, medium to large orthopyroxene laths with borders and outgrowths of feathery quench clinopyroxene. No primary clinopyroxene. Some glass areas contain small, perfectly spherical, garnet residual crystals, some with rutile inclusions.
113	18.0	1,300	60	Cpx + Ga + ? Glass	Very near to solidus, small percentage of low R.I., amoeboid grains may be glass or plagioclase.
131	18.0	1,325	60	Cpx + Ga + Glass	Garnet less than in previous run. Glass intergranular and in small segregations.
125	18.0	1,350	60	Cpx + Ga + Glass	Minor garnet (euhedral), mainly fine clinopyroxene with intergranular glass. Crystals > glass.