

The following material did not appear in the original publication.

Table 8. Microprobe Analyses of Coexisting Phases*

Phase	I-5 OL			I-5 OX			I-5 GLASS			W-2 OL			W-2 GLASS		
	Weight Percent	Std. Error													
SiO ₂	35.25	.06													
Al ₂ O ₃	.18	.08	58.89	.14	16.18	.11	.10	.04	15.68	.02					
Fe ₂ O ₃	.32	.00	3.05	.11	1.37	.02	.14	.02	.53	.01					
CoO	34.78	.06	28.10	.00	17.67	.02	26.89	.14	10.27	.09					
MgO	30.73	.28	9.48	.02	9.67	.20	37.35	.01	10.75	.01					
CaO	.34	.01	.14	.01	12.08	.04	.14	.01	8.80	.01					

* values given represent averages of 4 analyses

Table 8. (Continued)

Table 8. (Continued)

Phase	L-3 GLASS			P-1 GLASS			S-1 GLASS			X-3 OPX			X-3 GLASS		
	Weight Percent	Std. Error	Weight Percent												
SiO ₂	49.91	.14	47.93	.06	48.04	.12	56.21	.15	54.80	.08					
Al ₂ O ₃	14.82	.02	15.52	.05	13.83	.04	1.81	.09	17.24	.06					
Fe ₂ O ₃	.57	.01	1.31	.03	5.74	.02	.05	.01	.23	.02					
CoO	16.11	.03	20.54	.08	15.01	.02	7.30	.04	4.94	.01					
MgO	10.10	.02	5.26	.01	7.74	.00	33.94	.10	11.71	.01					
CaO	8.18	.02	8.75	.01	8.76	.04	.37	.03	9.85	.04					

Table 8. (Continued)

Phase	K-4 GLASS			U-3 OPX			U-3 GLASS			K-9 GLASS			M-10 GLASS		
	Weight <u>Percent</u>	Std. <u>Error</u>													
SiO ₂	46.25	.10	57.07	.03	59.54	.06	46.67	.14	52.56	.08					
Al ₂ O ₃	15.38	.04	1.30	.05	15.94	.05	16.75	.10	14.64	.07					
Fe ₂ O ₃	.87	.06			.13	.03	.84	.01	.51	.03					
CoO	17.04	.07	4.75	.01	2.81	.01	16.13	.04	13.85	.03					
MgO	11.42	.09	36.00	.04	10.63	.01	9.39	.03	8.45	.04					
CaO	8.31	.02	.26	.00	9.10	.04	9.26	.01	8.26	.03					

Table 8. (Continued)

Phase	Z-3 GLASS				L-18 OL.				L-18 GLASS				P-2 GLASS			
	Weight Percent	Std. Error														
SiO ₂	56.19	.10	55.41	.07	37.31	.03	55.19	.11	45.79	.06						
Al ₂ O ₃	2.54	.02	17.25	.11	.06	.01	16.44	.06	15.06	.11						
Fe ₂ O ₃	.05	.02	.18	.03	.14	.02	.49	.03	1.38	.04						
CaO	7.16	.02	5.36	.03	26.90	.02	9.87	.03	22.42	.22						
MgO	33.67	.08	12.16	.03	37.05	.01	10.10	.03	5.69	.09						
CaO	.38	.02	9.63	.02	.13	.01	8.97	.02	8.27	.03						

Table 8. (Continued)

Phase	U-1 GLASS			T-3 GLASS			J-3 OL			J-3 OX			J-3 GLASS		
	Weight Percent	Std. Error	Weight Percent												
SiO ₂	60.68	.06	45.72	.11	35.82	.02							41.89	.09	
Al ₂ O ₃	15.12	.04	16.28	.02	.14	.00	60.38	.16	16.12	.08					
Fe ₂ O ₃	.11	.02	.93	.06	.23	.01	2.58	.02	1.22	.12					
CoO	3.09	.01	17.47	.12	34.21	.10	28.28	.04	18.35	.11					
MgO	13.50	.03	10.05	.03	31.28	.08	9.65	.05	10.05	.02					
CaO	8.29	.09	8.95	.02	.32	.02	.07	.00	11.74	.08					

Table 8. (Continued)

Phase	Z-1 GLASS			W-3 OL			W-3 GLASS			S-4 OX			S-4 GLASS		
	Weight Percent	Std. Error	Weight Percent												
SiO ₂	52.54	.11	35.60	.04	50.26	.13							44.67	.07	
Al ₂ O ₃	15.15	.03	.08	.01	16.17	.01	24.17	.03	14.27	.02					
Fe ₂ O ₃	.49	.02	.16	.01	.65	.00	43.86	.06	8.64	.03					
CoO	10.96	.06	35.12	.03	14.36	.04	29.76	.08	17.03	.03					
MgO	11.88	.04	29.89	.06	8.74	.01	4.23	.02	7.88	.05					
CaO	8.29	.01	.18	.01	8.83	.02	.02	.01	8.07	.01					

Table 8. (Continued)

Phase	K-3 GLASS			CHR-49 OL			CHR-49 GLASS			K-9 OL			K-9 GLASS		
	Weight Percent	Std. Error	Weight Percent												
SiO ₂	46.12	.12	40.41	.18	55.49	.20	35.21	.10	46.96	.09					
Al ₂ O ₃	15.70	.04	.15	.08	15.41	.12	.13	.01	16.79	.06					
Fe ₂ O ₃	.82	.01	.04	.01			.19	.00	.94	.12					
CoO	16.89	.10	10.27	.06	4.55	.04	35.16	.02	16.12	.15					
MgO	10.38	.03	49.62	.13	13.43	.02	30.17	.04	9.40	.01					
CaO	8.81	.02	.25	.07	11.35	.10	.18	.01	9.35	.09					

Table 8. (Continued)

Phase	T-1 OL				T-1 GLASS				J-4 OL				J-4 GLASS			
	Weight Percent	Std. Error														
SiO ₂	34.78	.12	48.34	.11	36.42	.18			59.88	.08	15.87	.12				
Al ₂ O ₃	.11	.00	17.72	.13	.17	.01										
Fe ₂ O ₃	.23	.04	1.08	.06	.25	.03			2.42	.11	1.20	.05				
CoO	37.21	.06	13.48	.01	33.76	.03			27.92	.16	19.06	.06				
MgO	28.16	.09	7.26	.02	31.24	.04			9.95	.11	11.06	.01				
CaO	.20	.03	10.53	.08	.31	.00			.02	.00	10.80	.07				

Table 8. (Continued)

Phase	P-3 OX				P-3 GLASS				S-3 OX				S-3 GLASS				M-3 OPX			
	Weight <u>Percent</u>	Std. <u>Error</u>																		
SiO ₂			47.19	.14																
Al ₂ O ₃	37.01	.04	15.68	.08	24.56	.11	14.06	.02	1.35	.01										
Fe ₂ O ₃	28.57	.03	1.59	.01	39.88	.08	5.45	.02												
CoO	29.08	.11	19.76	.08	28.78	.03	13.77	.04	5.15	.02										
MgO	5.54	.06	4.67	.02	3.88	.03	4.91	.03	37.43	.02										
CaO	.05	.02	9.16	.02	.12	.02	8.94	.01	.27	.01										

Table 8. (Continued)

Phase	M-3 GLASS			CHR-28 OPX ^a			CHR-28 GLASS ^a			CHR-29 OL			CHR-29 GLASS		
	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	Weight <u>Percent</u>	Std. <u>Error</u>	
SiO ₂	61.22	.05	56.88		52.17		40.72		.06		51.36		.06		
Al ₂ O ₃	15.89	.03	1.25		6.25		.11		.02		8.91		.07		
Fe ₂ O ₃	.10	.02													
CoO	3.03	.01	4.59		6.72		10.05		.04		5.40		.04		
MgO	10.91	.02	36.19		26.41		48.47		.09		21.82		.07		
CaO	9.18	.00	1.09		7.19		.30		.01		10.45		.03		

Table 8. (Continued)

Phase	COR-502 OL			COR-502 OPX			COR-502 OX			COR-502 GLASS			COR-502 CPX*		
	Weight Percent	Std. Error	Weight Percent												
SiO ₂	35.68	.03	50.98	.38					56.05	.16	57.10	.36			
Al ₂ O ₃	.57	.26	5.21	.33	17.40	.20	14.95	.06	4.95	.22					
Fe ₂ O ₃	1.19	.21	2.75	.58	49.77	.46	4.19	.04	12.98	.08					
CoO	34.53	.17	19.80	.08	28.66	.11	10.17	.20	9.37	.10					
MgO	27.93	.15	20.73	.41	3.97	.08	4.82	.14	5.68	.15					
CaO	.22	.06	.82	.09					9.82	.30	9.92	.18			

*of questionable stability

Table 8. (Continued)

Phase	J-18 OL				J-18 OX				J-18 GLASS				O-3 GLASS				CHR-47 OL			
	Weight Percent	Std. Error																		
SiO ₂	36.31	.28					43.39	.11	57.68	.12					41.26	.10				
Al ₂ O ₃	.33	.22	61.14	.21	17.07	.08			13.59	.04			.20	.01						
Fe ₂ O ₃	.22	.02	2.16	.02	.98	.01			.27	.01			.05	.00						
CoO	35.39	.10	27.92	.09	18.16	.18			11.49	.10			6.69	.01						
MgO	30.80	.44	9.50	.22	10.61	.01			7.54	.03			52.89	.34						
CaO	.21	.01	.11	.02	9.45	.02			8.47	.02			.32	.01						

Table 8. (Continued)

Phase	CHR-47 GLASS		
	Weight Percent	Std. Error	
SiO ₂	52.00	.79	
Al ₂ O ₃	4.55	.09	
Fe ₂ O ₃			
CoO	4.19	.06	
MgO	18.45	.04	
CaO	20.77	.45	

End of supplemental material.