

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	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
SiO ₂	35.25	.06			42.40	.44	37.62	.10	54.10	.10
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)

Phase	S-2 OX		S-2 GLASS		J-9 OL		J-9 OX		J-9 GLASS	
	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>
SiO ₂			<u>47.97</u>	<u>.09</u>	<u>36.00</u>	<u>.14</u>			<u>44.17</u>	<u>.92</u>
Al ₂ O ₃	22.75	.51	13.83	.02	.25	.04	58.96	.25	16.47	.40
Fe ₂ O ₃	43.02	.58	6.64	.01	.33	.05	3.07	.11	1.17	.07
CoO	30.18	.10	16.32	.07	34.75	.07	28.59	.14	17.63	.70
MgO	4.33	.02	8.23	.01	30.95	.20	9.59	.04	9.84	.07
CaO	.23	.13	8.48	.02	.35	.01	.09	.02	11.25	.43

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	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
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 Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
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 OPX		Z-3 GLASS		L-18 OL		L-18 GLASS		P-2 GLASS	
	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	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
CoO	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	9.68	.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	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
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	
	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>
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	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
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 OX		J-4 GLASS	
	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
SiO ₂	34.78	.12	48.34	.11	36.42	.18			41.46	.07
Al ₂ O ₃	.11	.00	17.72	.13	.17	.01	59.88	.08	15.87	.12
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 Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
SiO ₂			47.19	.14	1.27	.20	49.20	.06	58.44	.03
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 Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error
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*	
	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>	<u>Weight Percent</u>	<u>Std. Error</u>
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	Weight Percent	Std. Error	Weight Percent	Std. Error	Weight Percent	Std. Error	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	
	<u>Weight Percent</u>	<u>Std. Error</u>
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.