

Leander

Probe Observations

01

P<sub>4</sub> ⑤ IIII ⑩ IIII ⑤ IIII ⑩

Lots of black, some blue.

fluv between euhedra

pyrox's seem to be next to apaguss

Type 4

Petrography

shock faces: ob. sharp to undulatory (b or c)

lots of iron staining, patches <sup>but large</sup> veins limited, prob some reduction in opaguss relicts left

chondrule glass: microgranular to isotropic, felty, needler, feathers  
" well dehydrated

chondrules relatively unstained, inter-chondrule areas stained  
usual present.

wet | IIII ④ 2%

243

trail | IIIIIIIIIIIIIIIII ⑩ 7%

non | 3, 3, 4, 7, 2, 5, 10, 7, 11, 6, 8, 2, 9, 4, 14, 8, 11, 11, 7, 15  
24, 12, 3, 5, 5, 5, 4, 2, 10 ②②

one well-developed granoblastic chondrule <sup>type 6</sup> with about 15% wet & 2% trail.

Random Pyroxenes

Leander

6/28/84

		En	Fs	Wo	Total	Z	X
1	8	77.6	20.4	2.1	96.99	1.954	2.091
2	10	77.2	20.5	2.3	96.95	1.964	2.073
3	15	77.2	21.2	1.5	99.03	1.967	2.067
4	17	77.1	21.0	1.9	99.09	1.958	2.085
5	19	78.1	20.4	1.5	98.49	1.962	2.076
6	22	77.6	20.8	1.6	97.94	1.955	2.089
7	25	77.2	20.7	2.1	99.74	1.956	2.088
8	28	78.0	20.9	1.1	99.17	1.972	2.056
9	29	77.2	20.8	1.9	98.39	1.968	2.065
10	4	77.9	20.8	1.3	99.80	1.964	2.073
11	7	77.7	20.8	1.5	99.57	1.982	2.036
12	10	78.0	20.8	1.2	100.83	1.964	2.072
13	20	78.6	20.1	1.3	99.29	1.987	2.025
14	22	78.1	20.1	1.7	99.01	1.986	2.027
15	24	78.0	20.5	1.5	98.61	1.958	2.083
16	26	78.3	20.4	1.3	99.25	1.969	2.062
17	31	77.9	20.8	1.3	99.44	1.981	2.037
18	32	78.9	20.3	0.8	101.01	1.982	2.035
19	33	78.0	20.4	1.5	99.63	1.968	2.064
20	35	77.8	20.7	1.5	99.79	1.975	2.051
21	36	78.7	20.1	1.2	97.81	1.979	2.042
22	37	78.1	20.2	1.7	100.05	1.967	2.066
23	38	78.6	19.9	1.4	98.97	1.977	2.047

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$N = 23$      $M = 20.5$   
 $\sigma = 0.34$      $PMD = 1.48$

Random Olivines

header

6/28/84

#	F <sub>o</sub>	F <sub>a</sub>	Total	Z	X	
1	5	75.6	24.4	100.77	0.981	2.037
2	6	75.8	24.2	99.63	0.983	2.035
3	7	76.1	23.9	100.14	0.989	2.021
4	9	75.4	24.6	101.59	0.986	2.029
5	11	75.4	24.6	101.37	0.988	2.024
6	12	75.6	24.4	100.97	0.988	2.024
7	13	75.7	24.3	101.28	0.982	2.036
8	14	75.3	24.7	101.36	0.994	2.012
9	16	75.3	24.7	101.20	0.984	2.032
10	18	75.7	24.3	101.04	0.989	2.023
11	20	75.9	24.1	101.25	0.984	2.032
12	21	76.2	23.8	99.54	0.984	2.011
13	23	75.4	24.6	100.54	0.991	2.019
14	24	75.5	24.5	101.38	0.988	2.023
15	26	75.8	24.2	100.90	0.993	2.015
16	27	75.6	24.4	101.95	0.984	2.032
17	5	75.8	24.2	101.69	0.999	2.003
18	6	75.6	24.4	101.53	0.982	2.036
19	8	75.3	24.7	102.05	0.995	2.010
20	9	76.0	24.0	100.78	0.994	2.011
21	11	76.0	24.0	101.49	0.999	2.002
22	12	75.6	24.4	101.72	0.993	2.015
23	15	76.1	23.9	102.08	0.989	2.022
24	18	75.7	24.3	101.75	0.988	2.024
25	19	75.4	24.6	100.89	0.992	2.016
26	21	75.8	24.2	100.81	0.993	2.014
27	23	76.1	23.9	100.30	0.988	2.025
28	25	75.8	24.2	100.68	0.990	2.019

N = 31  
M = 24.3  
σ = 0.25  
PMD = 0.74

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(over)

#	Fo	Fa	Total	Z	X
27	75.7	24.3	101.10	0.988	2.025
28	75.8	24.2	100.52	0.999	2.003
30	75.7	24.3	101.33	0.987	2.025