

Olivines

Comanche

12/21/84

	#	Fo	Fa	Z	X	Total
1	2	75.4	24.6	0.991	2.019	100.22
2	3	75.2	24.8	0.992	2.015	101.43
3	4	75.3	24.7	0.998	2.005	100.95
4	8	75.1	24.9	1.001	1.999	101.05
5	9	75.6	24.4	1.001	1.999	100.14
6	10	75.9	24.1	0.999	2.002	99.49
7	11	75.5	24.5	0.995	2.010	99.28
8	12	75.4	24.6	0.989	2.023	99.64
9	13	75.4	24.6	0.996	2.007	100.13
10	16	75.6	24.4	0.990	2.019	101.02
11	18	75.3	24.7	0.991	2.017	100.32
12	20	75.0	25.0	0.987	2.025	100.38
13	23	75.4	24.6	0.989	2.023	100.54
14	25	74.8	25.2	0.986	2.028	100.75
15	26	75.3	24.7	0.994	2.012	100.08
16	27	75.1	24.9	0.982	2.036	100.78
17	28	76.2	23.8	1.001	1.998	99.23
18	6	75.5	24.5	1.000	2.001	100.16
19	7	75.5	24.5	1.002	1.996	100.38
20	10	74.9	25.1	1.002	1.996	99.46

$$\bar{M} Fa = 24.6$$

$$\sigma = 0.3246$$

$$N = 20$$

## Comanche

poorly delineated chondrules  
granoblastic texture replacing chondrule matrix  
plagioclase patches resorbed  
Type 5 or 6

mosaic - undulatory extinction on olivine  
undulatory on feldspars

opaques "wavy" and cloudy - troilite with  
hydrox. alteration  
no Fe Ni metal!

weathering pervasive - veins & patches also in  
opaques, crystals reddened.

Comanche  
Opaguee count

6 T T 34 T T 20 T 17 T T T 6 T 5 T 13 T 21 T 19  
 18 T 3 T 3 T 10 T 14 T 13 T 24 T 2 T 5 T 4 T  
 5 42 T T T 30 T 34

Metal trace

67  
 34  
 34  
 24  
 21  
 19  
 48  
 48  
 77  
 34  
406

406	Now	94.2
25	Trail	5.890
—	met	tr
431		