Table 12
Ni3Si X-Ray D spacings & Intensities -- Laser Processed

As Cast		Heat Treatment: 1 Hour		3 Hours		10 Hours		Standard Pattern[0]: Ni s.s.		Ni3Si-B1		Ni3Si-B2		Ni3Si-B3		Ni31Si12	
d	I	d	I	d	I	d	I	d	I	d	I	d	I	d	I	d	I
2.03	46	2.03	48	2.03	35	2.03	32	2.03	100	----	---	----	---	----	---	----	---
				2.02	15					2.02	100			2.02	100		
1.76	100							1.76	42			2.01	100				
1.75	11	1.75	100	1.75	100	1.75	100			1.75	70			1.76	80		
1.27	3											1.74	100				
1.25	23							1.25	21			1.26	10	1.26	60		
		1.24	33	1.24	27												
1.23	5									1.23	70	1.23	100	1.23	20		
1.22	1													1.22	60		
1.21	3											1.21	20				
1.2	3											1.2	10				
1.07	2																
		1.06	27	1.06	21	1.06	23	1.06	20	1.06	70						
3.53	1																
		3.51	11			3.51	6										
				3.5	8					3.5	30						
												3.48	60				
		2.48	5	2.48	4	2.48	3			2.49	30						
2.46	1													2.48	20		
												2.45	60				
1.57	1	1.57	3	1.57	2	1.57	2									1.59	3
										1.57	20			1.57	60		
1.44	1											1.56	40				
		1.43	1	1.43	1	1.43	1			1.43	20	1.43	40				
1.17	1			1.17	1	1.17	1			1.17	20	1.17	20	1.17	20		
1.98	34															1.98	100
														1.97	100		
1.95	57											1.96	80				
1.37	12																
1.93	68													1.37	60		
2.1	7															1.93	95
																2.1	26