

# ZGd123

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 \*\* PROGRAM FullProf.2k (Version 5.40 - Mar2014-ILL JRC) \*\*  
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M U L T I -- P A T T E R N  
 Rietveld, Profile Matching & Integrated Intensity  
 Refinement of X-ray and/or Neutron Data

Date: 11/12/2017 Time: 15:57:54.532

=> -----> Pattern# 1  
 => Phase: 1  
 => Bragg R-factor: 6.94  
 => RF-factor : 8.73

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 Pattern# 1 Phase No: 1 Phase name: ZGd123  
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No. d-hkl	Code	H	K	L	Mult	Hw	ETA/M	2theta/TOF	Icalc	Iobs	Sigma	StrFactor^2
	CORR											
1	1	0	0	3	2	0.139779	0.534002	22.711	33.3	34.0	1.043	3634.7170
3.912101		1.000000										
2	1	0	1	0	2	0.139813	0.533688	22.744	42.6	43.1	0.985	4655.4893
3.906469		1.000000										
3	1	1	0	0	2	0.140162	0.530487	23.083	27.6	25.6	2.045	3116.3054
3.849981		1.000000										
4	1	0	1	1	4	0.141159	0.521909	23.989	0.9	1.9	2.211	52.0073
3.706535		1.000000										
5	1	1	0	1	4	0.141536	0.518863	24.311	6.5	6.2	0.857	407.3947
3.658180		1.000000										
6	1	0	1	3	4	0.154531	0.442686	32.360	251.8	244.3	7.471	28910.9629
2.764280		1.000000										
7	1	1	0	3	4	0.155030	0.440365	32.605	289.1	283.8	5.311	33730.5664
2.744047		1.000000										
8	1	1	1	0	4	0.155079	0.440140	32.629	273.5	268.2	5.343	31966.9277
2.742101		1.000000										
9	1	1	1	1	8	0.156973	0.431581	33.533	0.6	1.0	0.456	40.1570
2.670188		1.000000										
10	1	1	1	2	8	0.162834	0.407041	36.126	4.6	8.3	6.909	332.2501
2.484256		1.000000										

								zGd123				
11	1	0	0	5	2	0.168257	0.386332	38.314	21.8	23.0	1.396	7204.3242
2.347261		1.000000										
12	1	0	1	4	4	0.168310	0.386137	38.335	27.9	29.5	1.844	4616.1128
2.346042		1.000000										
13	1	1	0	4	4	0.168858	0.384132	38.547	20.2	22.5	2.700	3377.6372
2.333636		1.000000										
14	1	1	1	3	8	0.173062	0.369200	40.125	99.8	105.9	6.762	9124.6523
2.245437		1.000000										
15	1	0	1	5	4	0.187436	0.322871	45.020	0.3	0.2	0.160	67.1993
2.011991		1.000000										
16	1	1	0	5	4	0.188020	0.321112	45.206	0.1	0.1	0.033	14.3058
2.004149		1.000000										
17	1	1	1	4	8	0.188077	0.320941	45.224	7.5	10.5	4.355	890.7122
2.003391		1.000000										
18	1	0	0	6	2	0.191778	0.309986	46.381	48.7	49.3	1.030	24532.6738
1.956051		1.000000										
19	1	0	2	0	2	0.192008	0.309316	46.452	85.4	81.7	3.639	43155.4766
1.953235		1.000000										
20	1	0	2	1	4	0.194226	0.302906	47.130	1.1	1.0	0.076	285.2744
1.926733		1.000000										
21	1	2	0	0	2	0.194376	0.302478	47.175	81.1	72.0	8.132	42422.1992
1.924991		1.000000										
22	1	2	0	1	4	0.196606	0.296142	47.844	1.0	1.0	0.282	279.7156
1.899608		1.000000										
23	1	0	2	2	4	0.200947	0.284083	49.118	0.1	0.2	0.239	27.9918
1.853268		1.000000										
24	1	2	0	2	4	0.203361	0.277523	49.812	0.1	0.1	0.301	28.2764
1.829090		1.000000										
25	1	1	1	5	8	0.208254	0.264520	51.185	9.0	11.3	3.023	1411.1252
1.783173		1.000000										
26	1	0	1	6	4	0.212177	0.254361	52.259	8.1	7.7	0.663	2674.4221
1.749040		1.000000										
27	1	0	2	3	4	0.212357	0.253901	52.308	8.3	8.0	0.493	2730.3894
1.747529		1.000000										
28	1	1	0	6	4	0.212793	0.252786	52.425	5.0	4.9	0.208	1643.2876
1.743881		1.000000										
29	1	1	2	0	4	0.213033	0.252174	52.490	7.7	7.7	0.310	2567.6233
1.741885		1.000000										
30	1	2	0	3	4	0.214825	0.247628	52.970	8.0	7.5	0.603	2715.1714
1.727214		1.000000										
31	1	2	1	0	4	0.214885	0.247476	52.986	9.6	9.0	0.718	3249.8081
1.726729		1.000000										
32	1	1	2	1	8	0.215348	0.246309	53.110	0.9	0.9	0.053	146.9605
1.723011		1.000000										
33	1	2	1	1	8	0.217209	0.241649	53.602	0.2	0.2	0.227	33.4634
1.708338		1.000000										

34	1	0	0	7	2	0.221423	0.231258	zGd123 54.700	8.2	9.2	1.440	5960.9238
1.676615		1.000000										
35	1	1	2	2	8	0.222354	0.228991	54.940	2.5	2.2	0.399	464.0377
1.669870		1.000000										
36	1	2	1	2	8	0.224239	0.224436	55.421	1.4	2.0	1.016	262.4030
1.656503		1.000000										
37	1	0	2	4	4	0.228755	0.213690	56.556	0.3	0.4	0.345	101.4940
1.625909		1.000000										
38	1	2	0	4	4	0.231299	0.207737	57.185	0.3	0.0	0.105	101.4606
1.609509		1.000000										
39	1	1	1	6	8	0.234048	0.201381	57.857	83.1	85.8	3.032	17085.7324
1.592416		1.000000										
40	1	1	2	3	8	0.234235	0.200952	57.902	101.1	104.0	3.260	20822.9961
1.591275		1.000000										
41	1	2	1	3	8	0.236161	0.196549	58.368	87.6	91.6	4.405	18372.8828
1.579695		1.000000										
42	1	0	1	7	4	0.243023	0.181160	59.994	4.6	5.0	0.737	2043.5947
1.540707		1.000000										
43	1	1	0	7	4	0.243675	0.179722	60.146	5.0	5.7	0.866	2256.1853
1.537177		1.000000										
44	1	0	2	5	4	0.250590	0.164698	61.733	8.5	7.9	0.952	4049.5225
1.501402		1.000000										
45	1	1	2	4	8	0.251315	0.163146	61.897	8.6	10.3	2.209	2037.6726
1.497818		1.000000										
46	1	2	0	5	4	0.253238	0.159053	62.330	8.3	8.2	0.411	3996.3181
1.488460		1.000000										
47	1	2	1	4	8	0.253303	0.158916	62.344	10.7	10.4	0.574	2583.6731
1.488149		1.000000										
48	1	0	0	8	2	0.257809	0.149450	63.344	0.2	0.6	1.419	200.1455
1.467038		1.000000										
49	1	1	1	7	8	0.266206	0.132236	65.163	13.0	15.1	2.714	3447.1807
1.430419		1.000000										
50	1	1	2	5	8	0.274120	0.116496	66.826	0.1	0.2	0.328	38.5487
1.398799		1.000000										
51	1	2	1	5	8	0.276199	0.112435	67.255	0.3	0.0	0.295	87.2835
1.390914		1.000000										
52	1	0	2	6	4	0.278564	0.107850	67.740	27.0	28.6	2.064	15502.1074
1.382140		1.000000										
53	1	0	1	8	4	0.280982	0.103203	68.231	6.0	6.4	0.486	3479.2363
1.373386		1.000000										
54	1	2	0	6	4	0.281363	0.102473	68.308	26.2	27.6	1.560	15322.7490
1.372023		1.000000										
55	1	2	2	0	4	0.281637	0.101951	68.363	44.8	46.8	2.252	26245.4648
1.371050		1.000000										
56	1	1	0	8	4	0.281683	0.101862	68.373	7.1	7.4	0.341	4163.8032
1.370884		1.000000										

57	1	2	2	1	8	0.284275	0.096935	ZGd123 68.893	0.5	0.7	0.357	153.0687
1.361790		1.000000										
58	1	2	2	2	8	0.292280	0.081990	70.472	0.1	0.6	2.299	40.2743
1.335094		1.000000										
59	1	0	0	9	2	0.302413	0.063633	72.412	1.8	2.5	1.157	2328.5574
1.304034		1.000000										
60	1	0	3	0	2	0.303056	0.062488	72.533	2.1	2.6	0.726	2744.4797
1.302156		1.000000										

No. d-hkl	Code	H	K	L	Mult	Hw	ETA/M	2theta/TOF	Icalc	Iobs	Sigma	StrFactor^2
		CORR										
61	1	1	2	6	8	0.303505	0.061690	72.617	4.6	5.3	0.975	1504.2544
1.300852		1.000000										
62	1	2	1	6	8	0.305717	0.057776	73.031	6.5	5.8	0.677	2149.6006
1.294503		1.000000										
63	1	0	3	1	4	0.305819	0.057597	73.050	0.0	0.0	0.004	24.3833
1.294215		1.000000										
64	1	2	2	3	8	0.305933	0.057396	73.071	7.0	6.4	0.650	2337.5205
1.293890		1.000000										
65	1	1	1	8	8	0.306055	0.057182	73.094	1.2	1.1	0.110	413.4832
1.293546		1.000000										
66	1	3	0	0	2	0.309719	0.050767	73.771	1.7	2.2	0.971	2279.8225
1.283327		1.000000										
67	1	3	0	1	4	0.312523	0.045908	74.285	0.1	0.0	0.065	71.9691
1.275723		1.000000										
68	1	0	2	7	4	0.313844	0.043633	74.525	5.9	6.6	1.134	4053.4602
1.272204		1.000000										
69	1	0	3	2	4	0.314210	0.043004	74.592	0.3	0.4	0.071	230.1477
1.271234		1.000000										
70	1	2	0	7	4	0.316865	0.038467	75.071	5.7	6.4	1.017	4012.6121
1.264301		1.000000										
71	1	3	0	2	4	0.321044	0.031402	75.818	0.5	0.0	0.651	353.6849
1.253697		1.000000										
72	1	2	2	4	8	0.325773	0.023514	76.651	0.3	0.0	0.481	101.2614
1.242128		1.000000										
73	1	0	1	9	4	0.327956	0.019911	77.032	6.9	8.7	2.258	5045.0259
1.236937		1.000000										
74	1	0	3	3	4	0.328562	0.018915	77.137	17.9	21.2	4.024	13064.9395
1.235512		1.000000										
75	1	1	0	9	4	0.328734	0.018632	77.167	8.5	10.0	1.710	6241.7354
1.235108		1.000000										
76	1	1	3	0	4	0.329417	0.017512	77.285	19.6	21.5	2.094	14420.1680
1.233512		1.000000										
77	1	1	3	1	8	0.332352	0.012728	77.791	0.1	0.1	0.084	22.6493
1.226755		1.000000										

78	1	3	0	3	4	0.335629	0.007435	zGd123 78.350	18.8	16.5	2.149	14127.8789
1.219393		1.000000										
79	1	3	1	0	4	0.335706	0.007312	78.363	18.8	16.5	2.121	14149.5449
1.219222		1.000000										
80	1	3	1	1	8	0.338685	0.002546	78.867	0.1	0.1	0.023	22.5233
1.212696		1.000000										
81	1	1	2	7	8	0.340890	-0.000954	79.237	4.3	4.7	0.882	1642.3269
1.207961		1.000000										
82	1	1	3	2	8	0.341281	-0.001572	79.302	0.4	0.4	0.063	159.1695
1.207131		1.000000										
83	1	2	1	7	8	0.343303	-0.004758	79.638	3.9	3.7	0.597	1499.2815
1.202872		1.000000										
84	1	3	1	2	8	0.347752	-0.011702	80.372	0.4	0.3	0.453	158.0007
1.193729		1.000000										
85	1	0	3	4	4	0.349506	-0.014415	80.659	2.2	2.6	0.845	1721.2123
1.190208		1.000000										
86	1	2	2	5	8	0.352714	-0.019341	81.179	6.9	7.1	0.834	2728.9841
1.183886		1.000000										
87	1	1	1	9	8	0.355956	-0.024272	81.700	3.4	3.2	0.269	1338.7974
1.177649		1.000000										
88	1	1	3	3	8	0.356604	-0.025253	81.804	10.6	11.0	0.730	4256.5020
1.176419		1.000000										
89	1	3	0	4	4	0.356943	-0.025765	81.858	1.7	1.8	0.150	1345.8180
1.175778		1.000000										
90	1	0	0	10	2	0.358086	-0.027487	82.040	1.7	1.9	0.251	2792.1426
1.173630		1.000000										
91	1	0	2	8	4	0.358412	-0.027977	82.092	0.1	0.1	0.010	54.6974
1.173021		1.000000										
92	1	2	0	8	4	0.361774	-0.033007	82.623	0.1	0.0	0.027	52.6294
1.166818		1.000000										
93	1	3	1	3	8	0.363327	-0.035314	82.867	10.3	8.2	2.031	4199.1133
1.164003		1.000000										
94	1	0	3	5	4	0.378125	-0.056795	85.137	0.1	0.0	1.187	108.8927
1.138676		1.000000										
95	1	1	3	4	8	0.379091	-0.058167	85.282	1.0	0.0	1.353	413.8115
1.137110		1.000000										
96	1	3	0	5	4	0.386126	-0.068044	86.325	0.1	0.2	0.284	65.9802
1.126021		1.000000										
97	1	3	1	4	8	0.386214	-0.068165	86.338	1.0	2.0	2.876	407.3849
1.125886		1.000000										
98	1	0	1	10	4	0.387445	-0.069874	86.519	7.1	8.3	1.667	6116.2944
1.124000		1.000000										
99	1	2	2	6	8	0.388287	-0.071039	86.642	25.1	26.2	3.575	10764.4092
1.122719		1.000000										
100	1	1	0	10	4	0.388347	-0.071122	86.651	7.3	7.5	1.027	6224.5835
1.122627		1.000000										

101	1	1	2	8	8	0.388699	-0.071609	zGd123 86.702	7.0	7.0	1.011	3001.7532
1.122094		1.000000										
102	1	2	1	8	8	0.391422	-0.075353	87.098	5.9	4.6	2.052	2534.4856
1.118012		1.000000										
103	1	1	3	5	8	0.410068	-0.100262	89.730	2.0	0.0	3.352	902.7047
1.091919		1.000000										
104	1	0	2	9	4	0.415769	-0.107631	90.508	2.0	2.0	0.515	1813.8608
1.084540		1.000000										
105	1	0	3	6	4	0.416243	-0.108237	90.572	2.1	1.9	0.433	1845.8279
1.083939		1.000000										
106	1	3	1	5	8	0.417804	-0.110233	90.783	2.0	2.0	0.270	891.0468
1.081970		1.000000										
107	1	2	0	9	4	0.419677	-0.112617	91.035	2.0	2.2	0.314	1802.1892
1.079632		1.000000										
108	1	1	1	10	8	0.420221	-0.113307	91.108	4.5	4.8	0.573	2014.0685
1.078958		1.000000										
109	1	2	3	0	4	0.420538	-0.113709	91.151	2.7	2.8	0.301	2393.9246
1.078566		1.000000										
110	1	2	3	1	8	0.424246	-0.118382	91.644	0.0	0.0	0.008	19.9325
1.074040		1.000000										
111	1	3	0	6	4	0.425105	-0.119457	91.758	1.5	1.3	0.345	1361.7284
1.073006		1.000000										
112	1	3	2	0	4	0.425493	-0.119943	91.809	2.3	1.8	0.608	2060.6865
1.072541		1.000000										
113	1	3	2	1	8	0.429251	-0.124618	92.303	0.1	0.1	0.032	44.7974
1.068090		1.000000										
114	1	0	0	11	2	0.430239	-0.125838	92.432	2.2	2.6	0.891	3960.6770
1.066937		1.000000										
115	1	2	2	7	8	0.435101	-0.131801	93.062	6.5	6.6	2.106	2932.2988
1.061360		1.000000										
116	1	2	3	2	8	0.435600	-0.132409	93.126	0.4	0.5	0.159	198.3158
1.060796		1.000000										
117	1	3	2	2	8	0.440764	-0.138652	93.786	0.6	2.7	12.619	287.9553
1.055063		1.000000										
118	1	1	2	9	8	0.451276	-0.151106	95.102	10.0	9.0	4.600	4562.3267
1.043911		1.000000										
119	1	1	3	6	8	0.451798	-0.151715	95.166	18.6	17.7	7.291	8493.3652
1.043375		1.000000										
120	1	2	1	9	8	0.454503	-0.154861	95.499	8.1	8.4	1.925	3721.7017
1.040621		1.000000										

No. d-hkl	Code	H	K	L	Mult	Hw	ETA/M	2theta/TOF	Icalc	Iobs	Sigma	StrFactor^2
121	1	2	3	3	8	0.455345	-0.155837	95.602	20.9	21.5	4.367	9594.5918
1.039773		1.000000										

									zGd123				
122	1	3	1	6	8	0.460480	-0.161736	96.225	18.2	18.8	2.344	8348.3096	
1.034685		1.000000											
123	1	3	2	3	8	0.460801	-0.162102	96.264	22.7	23.3	2.867	10408.2617	
1.034371		1.000000											
124	1	0	1	11	4	0.466144	-0.168155	96.904	0.0	0.0	0.012	23.1942	
1.029239		1.000000											
125	1	0	3	7	4	0.467014	-0.169133	97.007	1.3	0.9	0.958	1195.5056	
1.028418		1.000000											
126	1	1	0	11	4	0.467262	-0.169411	97.036	0.0	0.0	0.018	18.5604	
1.028185		1.000000											
127	1	3	0	7	4	0.477227	-0.180450	98.203	1.4	6.3	22.951	1271.2349	
1.019066		1.000000											
128	1	2	3	4	8	0.484945	-0.188813	99.086	2.6	2.6	1.089	1211.5764	
1.012334		1.000000											
129	1	3	2	4	8	0.490876	-0.195130	99.754	2.1	2.1	0.509	971.6922	
1.007347		1.000000											
130	1	0	2	10	4	0.492516	-0.196861	99.937	2.4	2.6	0.535	2250.6453	
1.005996		1.000000											
131	1	2	0	10	4	0.497355	-0.201927	100.472	2.4	2.6	0.710	2237.2007	
1.002074		1.000000											
132	1	2	2	8	8	0.497830	-0.202420	100.524	0.0	0.0	0.011	16.5365	
1.001695		1.000000											
133	1	1	1	11	8	0.507299	-0.212148	101.552	4.1	4.0	0.729	1860.2812	
0.994321		1.000000											
134	1	1	3	7	8	0.508276	-0.213139	101.657	4.2	4.6	0.679	1943.8459	
0.993580		1.000000											
135	1	3	1	7	8	0.518472	-0.223340	102.735	4.2	4.2	1.135	1914.4629	
0.986067		1.000000											
136	1	2	3	5	8	0.527026	-0.231707	103.619	0.3	0.0	0.417	122.5020	
0.980053		1.000000											
137	1	0	0	12	2	0.529994	-0.234570	103.921	0.7	0.1	0.343	1324.5447	
0.978025		1.000000											
138	1	0	4	0	2	0.532081	-0.236571	104.133	7.5	8.2	1.295	13579.4658	
0.976617		1.000000											
139	1	3	2	5	8	0.533714	-0.238129	104.297	0.2	0.2	0.046	83.1870	
0.975526		1.000000											
140	1	0	3	8	4	0.536227	-0.240516	104.549	2.2	2.4	0.352	1950.4242	
0.973862		1.000000											
141	1	1	2	10	8	0.537058	-0.241302	104.633	10.4	11.6	1.516	4718.8369	
0.973317		1.000000											
142	1	0	4	1	4	0.537155	-0.241393	104.642	0.1	0.1	0.010	62.6667	
0.973253		1.000000											
143	1	2	1	10	8	0.541171	-0.245171	105.041	10.2	9.8	0.805	4605.9434	
0.970649		1.000000											
144	1	3	0	8	4	0.548683	-0.252138	105.778	2.5	1.0	0.802	2235.4043	
0.965910		1.000000											

								zGd123				
145	1	0	4	2	4	0.552829	-0.255931	106.178	0.1	0.0	0.015	54.5934
0.963367		1.000000										
146	1	4	0	0	2	0.554268	-0.257240	106.317	7.3	6.9	1.498	13140.0791
0.962495		1.000000										
147	1	4	0	1	4	0.559674	-0.262114	106.832	0.1	0.4	1.860	59.9803
0.959275		1.000000										
148	1	4	0	2	4	0.576407	-0.276818	108.385	0.1	0.0	0.466	54.9070
0.949804		1.000000										
149	1	0	1	12	4	0.578364	-0.278500	108.563	0.5	0.0	1.682	433.4536
0.948743		1.000000										
150	1	1	0	12	4	0.579900	-0.279815	108.702	0.4	0.0	0.452	332.4156
0.947917		1.000000										
151	1	0	4	3	4	0.580608	-0.280421	108.766	2.1	1.3	1.411	1841.1343
0.947538		1.000000										
152	1	1	4	0	4	0.582305	-0.281866	108.919	2.1	2.4	0.511	1859.2228
0.946635		1.000000										
153	1	2	2	9	8	0.585612	-0.284667	109.215	3.4	3.7	0.656	1477.1375
0.944895		1.000000										
154	1	2	3	6	8	0.586374	-0.285310	109.283	3.6	3.8	0.603	1593.3447
0.944498		1.000000										
155	1	1	3	8	8	0.587089	-0.285912	109.346	0.8	0.8	0.126	353.3841
0.944126		1.000000										
156	1	1	4	1	8	0.588161	-0.286812	109.441	0.1	0.1	0.013	32.3565
0.943571		1.000000										
157	1	3	2	6	8	0.594300	-0.291926	109.982	2.8	2.3	0.765	1221.8021
0.940444		1.000000										
158	1	3	1	8	8	0.599884	-0.296517	110.467	0.8	0.8	0.200	352.3988
0.937672		1.000000										
159	1	0	2	11	4	0.602598	-0.298727	110.700	3.4	3.5	0.793	2965.4749
0.936349		1.000000										
160	1	4	0	3	4	0.606188	-0.301629	111.007	2.1	2.1	0.630	1814.4688
0.934624		1.000000										
161	1	1	4	2	8	0.606336	-0.301749	111.020	0.6	0.6	0.170	241.5847
0.934553		1.000000										
162	1	4	1	0	4	0.606349	-0.301759	111.021	2.4	2.4	0.736	2085.3274
0.934547		1.000000										
163	1	2	0	11	4	0.609225	-0.304067	111.264	3.4	3.2	1.028	2942.0747
0.933185		1.000000										
164	1	4	1	1	8	0.612620	-0.306773	111.550	0.0	0.0	0.100	17.4130
0.931598		1.000000										
165	1	0	4	4	4	0.623576	-0.315364	112.458	0.1	0.0	0.686	90.9337
0.926634		1.000000										
166	1	4	1	2	8	0.632127	-0.321926	113.152	0.4	0.6	1.005	167.5127
0.922916		1.000000										
167	1	0	3	9	4	0.635642	-0.324588	113.433	3.4	3.7	1.467	2873.7061
0.921427		1.000000										



									zGd123				
168	1	1	1	12	8	0.636216	-0.325021	113.479	4.6	4.9	1.379	1923.6321	
0.921185		1.000000											
169	1	1	4	3	8	0.638860	-0.327007	113.688	19.4	20.3	3.315	8072.6504	
0.920082		1.000000											
170	1	3	0	9	4	0.652227	-0.336875	114.731	4.2	4.6	0.655	3414.8535	
0.914682		1.000000											
171	1	4	0	4	4	0.652577	-0.337130	114.758	0.1	0.1	0.020	89.9918	
0.914545		1.000000											
172	1	3	3	0	4	0.653883	-0.338078	114.858	9.8	11.6	2.343	8050.1812	
0.914034		1.000000											
173	1	3	3	1	8	0.661056	-0.343238	115.403	0.0	0.0	0.007	19.4748	
0.911274		1.000000											
174	1	1	2	11	8	0.664901	-0.345972	115.692	0.0	0.0	0.002	7.4932	
0.909827		1.000000											
175	1	4	1	3	8	0.667206	-0.347600	115.864	17.8	17.1	1.449	7183.6587	
0.908971		1.000000											
176	1	2	1	11	8	0.670810	-0.350129	116.132	0.1	0.1	0.008	41.0628	
0.907647		1.000000											
177	1	2	3	7	8	0.672359	-0.351211	116.246	2.4	2.3	0.217	972.6570	
0.907084		1.000000											
178	1	3	2	7	8	0.682471	-0.358181	116.982	2.6	2.2	0.555	1036.4462	
0.903491		1.000000											
179	1	3	3	2	8	0.683470	-0.358862	117.054	0.3	0.3	0.067	130.8207	
0.903143		1.000000											
180	1	0	0	13	2	0.684484	-0.359551	117.127	2.2	1.9	0.417	3394.5796	
0.902793		1.000000											

No. d-hkl	Code	H	K	L	Mult	Hw	ETA/M	2theta/TOF	Icalc	Iobs	Sigma	StrFactor^2
		CORR										
181	1	0	4	5	4	0.687709	-0.361734	117.358	2.0	1.7	0.427	1583.7427
0.901685		1.000000										
182	1	1	4	4	8	0.689999	-0.363275	117.521	1.9	1.4	0.508	743.1818
0.900907		1.000000										
183	1	1	3	9	8	0.704553	-0.372898	118.537	2.5	3.6	2.143	965.8876
0.896119		1.000000										
184	1	2	2	10	8	0.719115	-0.382240	119.525	4.7	5.3	0.912	1842.9609
0.891586		1.000000										
185	1	3	1	9	8	0.722409	-0.384315	119.744	2.0	2.4	0.401	957.2399
0.890595		1.000000										
186	1	4	0	5	4	0.722610	-0.384441	119.757	1.6	1.9	0.317	1541.3176
0.890535		1.000000										
187	1	4	1	4	8	0.722833	-0.384580	119.772	1.8	2.1	0.357	885.3196
0.890468		1.000000										
188	1	3	3	3	8	0.724194	-0.385433	119.862	5.0	6.1	0.981	2892.6743
0.890063		1.000000										

ZGd123

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BRAGG R-Factors and weight fractions for Pattern # 1  
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=> Phase: 1        ZGd123  
=> Bragg R-factor: 6.92        Vol: 176.512( 0.000)    Fract(%): 100.00( 0.00)  
=> Rf-factor= 8.70        ATZ: 731.639    Brindley: 1.0000

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CPU Time:        1.406 seconds  
                 0.023 minutes

=> Run finished at:        Date: 11/12/2017    Time: 15:57:56.021