

<u>hkl</u>	Eu		Gd		Tb		Dy		Ho		Er		Tm		Yb		Lu	
	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c	d_o	d_c
101																		
110	3.735 m	3.734	3.731 m	3.731	3.729 m	3.727	3.722 m	3.720	3.714 s	3.713	3.709 m	3.706	3.700 ms	3.700	3.696 s	3.695	3.685 ms	3.686
002			3.731		3.726 w	3.723	3.711 wm	3.710	3.699 m	3.698	3.688 ms	3.687	3.679 m	3.677	3.667 m	3.667	3.655 ms	3.657
111			3.337 w	3.335	3.330 w	3.330	3.325 wm	3.323	3.316 m	3.316	3.310 m	3.310	3.303 m	3.304	3.298 m	3.298	3.291 m	3.299
020	2.647 w	2.647	2.651 w	2.651	2.653 w	2.655	2.659 wm	2.659	2.662 wm	2.661	2.663 wm	2.664	2.663 m	2.664	2.665 m	2.666	2.665 wm	2.666
112	2.639 s	2.639	2.635 s	2.635	2.628 s	2.629	2.622 vs	2.622	2.617 vs	2.616	2.611 s	2.610	2.603 s	2.605	2.598 vs	2.599	2.593 vs	2.594
200	2.639 s	2.634	2.626 w	2.625	2.616 w	2.616	2.603 wm	2.603	2.591 m	2.591	2.579 wm	2.580	2.572 m	2.572	2.562 m	2.563	2.550 wm	2.551
021			2.499 vvw	2.497	2.500 vw	2.500	2.502 wm	2.502	2.503 wm	2.503	2.505 m	2.504	2.503 m	2.504	2.503 m	2.504	2.503 m	2.504
211											2.214 w	2.214	2.208 w	2.209	2.202 w	2.202	2.194 w	2.194
103																		
022	2.158 wm	2.159	2.159 w	2.159	2.159 w	2.159	2.158 m	2.159	2.159 m	2.158	2.158 wm	2.157	2.154 m	2.155	2.154 m	2.154	2.153 m	2.153
202	2.151 wm	2.151	2.145 w	2.145	2.138 w	2.138	2.128 m	2.128	2.120 m	2.120	2.113 wm	2.112	2.104 m	2.105	2.098 ms	2.099	2.091 m	2.091
113					2.060 vw	2.061	2.055 vw	2.055	2.050 w	2.050	2.044 w	2.045	2.039 wm	2.040	2.035 m	2.035	2.030 m	2.031
122									1.992 vw	1.992					1.986 vw	1.986		
220	1.865 wm	1.867	1.865 wm	1.865	1.864 wm	1.863	1.860 m	1.860	1.856 m	1.856	1.854 wm	1.853	1.850 m	1.850	1.848 m	1.847	1.843 m	1.843
004		1.865			1.855 w	1.855	1.849 m	1.849	1.843 m	1.844	1.839 wm	1.838	1.833 wm	1.833	1.828 m	1.829	1.824 wm	1.825
023		1.812					1.808 w	1.810	1.807 wm	1.805	1.805 w	1.806	1.803 vw	1.804	1.802 wm	1.801	1.799 wm	1.799
221	1.815 w	1.811					1.807	1.805 wm	1.804	1.800 wm	1.800	1.797 m	1.797	1.795 wm	1.794	1.791 m	1.791	
222	1.668 w	1.669	1.665 wm	1.668	1.665 vw	1.665	1.661 vw	1.661	1.658 w	1.658	1.654 wm	1.655	1.652 w	1.652	1.649 w	1.649	1.645 wm	1.645
114	1.668 w	1.668	1.665 wm	1.666	1.661 wv	1.661	1.655 w	1.656	1.652 wm	1.651	1.647 wm	1.647	1.643 wm	1.643	1.639 wm	1.639	1.635 m	1.636
310			1.657 w	1.657	1.649 vw	1.649	1.649 vw	1.649	1.643 w	1.643	1.637 m	1.637	1.636 m	1.636	1.628 w	1.627	1.620 w	1.620
131			1.634 w	1.634	1.635 vw	1.635	1.636 wm	1.636	1.636 wm	1.637	1.637 m	1.637	1.636 m	1.636	1.636 m	1.635	1.635 m	1.636
311															1.593 w	1.593	1.589 vw	1.588
132			1.527 w	1.527	1.528 w	1.528	1.528 wm	1.528	1.527 wm	1.527	1.527 wm	1.527	1.526 wm	1.526	1.526 wm	1.526	1.526 w	1.525
024					1.520 w	1.521	1.518 wm	1.518	1.515 wm	1.515	1.510 wm	1.510	1.508 wm	1.508	1.506 wm	1.506	1.506 wm	1.506
204	1.522 w	1.522	1.518 wm	1.519	1.512 m	1.513	1.507 m	1.507	1.502 w	1.502	1.497 wm	1.497	1.493 w	1.493	1.489 w	1.489	1.485 wm	1.484
312	1.522	1.521	1.518 wm	1.518	1.512 m	1.513	1.507 m	1.506	1.500 m	1.501	1.495 m	1.495	1.491 m	1.491	1.487 m	1.486	1.482 wm	1.481
223							1.387 w	1.387	1.386 wm	1.386	1.384 m	1.385	1.384 m	1.384	1.383 wm	1.383	1.382 wm	1.382
133															1.360 vw	1.360		
115																		
041																		
224	1.320 w	1.319			1.315 w	1.315	1.311 m	1.311	1.308 m	1.308	1.310 w	1.310	1.310 vw	1.310	1.312 w	1.311		
314															1.300 wm	1.300	1.297 m	1.297
331															1.215 wm	1.215		
332																		
043																		
241																		
116	1.179 w	1.180																
420	1.179	1.179																
225																		
135																		
422																		
206																		

TABLE 2
Guinier Diffraction Data for Some Rare Earth Orthoaluminates.

W
JHE