

TABLE 10

X RAY DIFFRACTION DATA AND INDEXING OF LaSb<sub>2</sub> TYPE  
RARE EARTH DIANTIMONIDES

hkl	Intensity	PrSb <sub>2</sub>		NdSb <sub>2</sub>	
		d Obs.	d Calc.	d Obs.	d Calc.
006	vs	3.001	3.011	2.991	3.008
202	m	2.932	2.943	2.915	2.944
023	vvs	2.705	2.713	2.703	2.707
204	m	2.552	2.563	2.543	2.564
116	vw			2.467	2.473
206	vs	2.154	2.164	2.147	2.164
223	vvw	2.047	2.045	2.037	2.043
225	vw	1.859	1.863	1.855	1.861
119	vw	1.823	1.822	1.822	1.821
227	w	1.665	1.663	1.656	1.661
400	vw	1.556	1.556	1.552	1.548
040	vvw	1.521	1.519	1.519	1.518
02,11	vvw			1.442	1.443
406	w	1.381	1.382	1.378	1.383
423	s	1.349	1.350	1.346	1.350
244	vw	1.306	1.307	1.306	1.305
337	vvw	1.264	1.264	1.261	1.263
20,14	vvw	1.194	1.192	1.193	1.182
339	vvw	1.174	1.175	1.170	1.174
00,16	vw	1.130	1.130		
429	vvw			1.137	1.140
440;33,11	vw	1.088	1.087	1.086	1.086
158	w	1.054	1.055	1.053	1.053
446	vvw	1.024	1.022	1.022	1.022
51,10	vvw	1.010	1.011	1.010	1.011
536	vvw	1.001	1.000	1.000	1.000
621	vw	0.980	0.980	0.980	0.981
15,11	vvw	.964	.965	.963	.963
20,18	vw	.956	.955	.955	.947
539	vvw			.936	.938
627	vvw			.916	.918
02,19	vw	.908	.908	.907	.899
60,12	vvw			.854	.854
644	w	.842	.842	.842	.842
718	vw			.822	.820
26,12	w	.811	.811	.810	.810
648	w	0.802	0.801	0.801	0.801