

TABLE 12

(CONTINUED)

hkl	Intensity	Observed d Values		
		Yb <sub>2</sub> S <sub>3</sub>	Lu <sub>2</sub> S <sub>3</sub>	Y <sub>2</sub> S <sub>3</sub>
211	VS	3.324	3.311	3.373
220	VVW	2.876		
310	VVS	2.580	2.575	2.614
321	VS	2.187	2.181	2.212
400	VVW	2.046	2.042	
411,330	VVW	1.933		
420	M	1.834	1.820	1.852
332	W	1.743	1.742	1.767
422	VVW	1.672	1.668	1.692
510,431	S	1.611	1.604	1.626
521	VVW	1.497	1.491	1.514
440	VVW	1.450		
611,532	S	1.331	1.326	1.345
620	VW	1.297		1.311
541	W	1.266	1.261	1.280
631	VVW	1.212		
444	VW	1.186		1.197
640	VW	1.139		1.150
721,633,552	S	1.118	1.113	1.129
642	VVW	1.097	1.093	1.110
732,651	VVW	1.043	1.038	1.054
800	VVW	1.026		
653	VW	0.982		
822,660	VVW	.970		
831,750,743	VW	.955	0.951	0.964
752	VW	.930	.926	
842	VW	.897		
921,761,655	W	.886	0.882	.895
930,851,754	VW	.867		.875
932,763	VW	.848		
10,11,772	VW	.814		
950,943	VW	.799		0.807
10,31,952,765	VW	0.784		