

investigated. Two runs were made for each of six transitions and the results are given in Table 7. All runs were made at 25 °C.

TABLE 7  
PRESSURE CALIBRATION DATA

Transition	Oil Pressure (psig)		Transition Pressure (kilobar)	Reference
	Onset	Finish		
Ce	580 550	605 575	8.1	(33)
Hg	850 910	860 920	12.2	(34)
Bi I-II	1830 1840	1870 1880	26.5	(35)
Tl II-III	3010 2940	3050 2970	35.4	(35)
Yb I-II	3390 3380		38.2	(35)
Ba I-II	5290 5270	5380 5460	54.6	(35)

The electrical resistance of the sample and oil pressure to the rams were recorded during each pressure calibration run. The transitions were detected by an abrupt change of slope in the resistance versus oil pressure graph. The data for the first run for each transition are shown in Figure 23.

The precision for the pressure calibration data varies from  $\pm 5$  psi for the Bi transition to  $\pm 35$  psi for