

CONTENTS

	PAGE
Introductory Information	
Foreword.....	vii
Preface.....	ix
Officers of the Committee on Petroleum Measurement and the Joint API/ASTM Committee on Static Petroleum Measurement	x
API Measurement Coordinators.....	xi
Members of the COSM Physical Properties Working Group.....	xi
Members of the Institute of Petroleum Measurement and Sampling Committee and Calculation and Table Subcommittee.....	xii
Volume X	
TABLES 5A and 5B — Correction of Observed API Gravity to API Gravity at 60°F.....	X-1
TABLE 5A — Generalized Crude Oils, Correction of Observed API Gravity to API Gravity at 60°F	X-1
TABLE 5B — Generalized Products, Correction of Observed API Gravity to API Gravity at 60°F	X-32
TABLE SA	See Volume I
Program Documentation for Subroutine TABSA	X-2
Implementation Procedure for Subroutine TABSA	X-17
TABLE SB	See Volume II
Program Documentation for Subroutine TABSB.....	X-33
Implementation Procedure for Subroutine TABSB	X-49
TABLES 6A , 6B , and 6C — Correction of Volume to 60°F Against API Gravity at 60°F and Thermal Expansion Coefficients.....	X-70
History and Development of the Petroleum Measurement Tables (1980)	
Background	X-73
Experimental Project	X-73
Fluid Groups	X-74
Separate Representation Needed for Crude and Product Classes	X-75
Correlation Development	X-76
Parameter Determination and Results	X-76
Table Development	X-78
Summary and Precision Statement	X-79
Independent Test of the Correlation.....	X-79
Comparison of the Old and New Tables	X-80

Example Calculations.....	X-80	
Special Considerations	X-80	
References	X-85	
TABLE 6A— Generalized Crude Oils, Correction of Volume to 60°F Against API Gravity at 60°F..... X-86		
TABLE 6A.....	See Volume I	
Program Documentation for Subroutine TAB6A	X-86	
Implementation Procedure for Subroutine TAB 6A ..	X-99	
TABLE 6B— Generalized Products. Correction of Volume to 60°F Against API Gravity at 60°F..... X-108		
Program Documentation for Subroutine TAB6B	X-108	
Implementation Procedure for Subroutine TAB6B ..	X-122	
TABLE 6C— Volume Correction Factors for Individual and Special Applications, Volume Correction to 60°F Against Thermal Expansion Coefficients at 60°F.... X-132		
TABLE 6B.....	See Volume II	
TABLE 6C.....	See Volume III	
Program Documentation for Subroutine TAB6C	X-132	
Implementation Procedure for Subroutine TAB6C ..	X-142	
TABLES 23A and 23B— Correction of Observed Relative Density to Relative Density 60/60°F..... X-147		
TABLE 23A— Generalized Crude Oils, Correction of Observed Relative Density to Relative Density 60/60°F X-147		
Table 23A.....	See Volume IV	
Program Documentation for Subroutine TAB23A ..	X-148	
Implementation Procedure for Subroutine TAB23A . X-163		
TABLE 23B— Generalized Products, Correction of Observed Relative Density to Relative Density 60/60°F..... X-179		
TABLE 23B.....	See Volume V	
Program Documentation for Subroutine TAB23B ...	X-180	
Implementation Proceure for Subroutine TAB23B	X-1%	
TABLES 24A, 24B, and 24C— Correction of Volume to 60°F Against Relative Density 60/60°F and Thermal Expansion Coefficients..... X-217		
TABLE 24A— Generalized Crude Oils. Correction of Volume to 60°F Against Relative Density 60/60°F		X-217
TABLE 24A.....	See Volume IV	
Program Documentation for Subroutine TAB24A ..	X-218	

Implementation Procedure for Subroutine	
TAB24A	X-231
TABLE 24B— Generalized Products, Correction of Volume to 60°F Against Relative Density 60160.....	X-239
TABLE 24B	See Volume V
Program Documentation for Subroutine	TAB24B ... X-239
Implementation Procedure for Subroutine	
TAB24B	X-252
TABLE 24C—Volume Correction Factors for Individual and Special Applications, Volume Correction to 60°F Against Thermal Expansion Coefficients at 60°F.....	X-262
TABLE 24C	See Volume VI
Program Documentation for Subroutine	TAB24C ... X-263
Implementation Procedure for Subroutine	
TAB24C	X-273
TABLES 53A and 53B— Correction of Observed Density to Density at 15°C.....	X-278
TABLE 53A— Generalized Crude Oils, Correction of Observed Density to Density at 15°C	X-278
TABLE 53A	See Volume VII
Program Documentation for Subroutine	TAB53A .. X-279
Implementation Procedure for Subroutine	
TAB53A	X-293
TABLE 53B— Generalized Products, Correction of Observed Density to Density at 15°C	X-307
TABLE 53B	See Volume VIII
Program Documentation for Subroutine	TAB53B ... X-308
Implementation Procedure for Subroutine	
TAB53B	X-324
TABLES 54A, 54B, and 54C— Correction of Volume to 15°C Against Density at 15°C and Thermal Expansion Coefficients	X-345
TABLE 54A— Generalized Crude Oils, Correction of Volume to 15°C Against Density at 15°C	X-345
TABLE 54A	See Volume VII
Program Documentation for Subroutine	TAB54A .. X-346
Implementation Procedure for Subroutine	
TAB54A	X-359
TABLE 54B— Generalized Products, Correction of Volume to 15°C Against Density at 15°C	X-366
TABLE 54B	See Volume VIII
Program Documentation for Subroutine	TAB54B ... X-367

Implementation Procedure for Subroutine TAB54B	X-379
TABLE WC—Volume Correction Factors for Individual and Special Applications, Volume Correction to 15°C Against Thermal Expansion Coefficients at 15°C	X-389
TABLE S4CSee Volume IX Program Documentation for Subroutine TAB54C ... X-390
Implementation Procedure for Subroutine TAB54C	X-399