AD642695

REPORT NUMBER 154

MARCH 1965

Volume II
ONE-FIFTH SCALE INLET MODEL WIND TUNNEL TEST REPORT

LIFT FAN FLIGHT RESEARCH AIRCRAFT PROGRAM

GENERAL ELECTRIC

ARCHIVE COPY

DDC AVAILABILITY NOTICES

1. Distribution of this document is unlimited.

2. This document is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

3. In addition to security requirements which must be met, this document is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with prior approval of USAAVLABS, Fort Eustis, Virginia 23604.

4. Each transmittal of this document outside the agencies of the US Government must have prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

5. In addition to security requirements which apply to this document and must be met, each transmittal outside the agencies of the US Government must have prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

6. Each transmittal of this document outside the Department of Defense must have prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

7. In addition to security requirements which apply to this document and must be met, each transmittal outside the Department of Defense must have prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

8. This document may be further distributed by any holder only with specific prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

9. In addition to security requirements which apply to this document and must be met, it may be further distributed by the holder only with specific prior approval of US Army Aviation Materiel Laboratories, Fort Eustis, Virginia 23604.

DISCLAIMER

10. The findings in this report are not to be construed as an official Department of the Army position unless so designated by other authorized documents.

11. When Government drawings, specifications, or other data are used for any purpose other than in connection with a definitely related Government procurement operation, the United States Government thereby incurs no responsibility nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as

in any manner licensing the holder or any other person or corporation, or conveying any rights or permission, to manufacture, use, or sell any patented invention that may in any way be related thereto.

12. Trade names cited in this report do not constitute an official endorsement or approval of the use of such commercial hardware or software.

DISPOSITION INSTRUCTIONS

13. Destroy this report when no longer needed. Do not return it to originator.

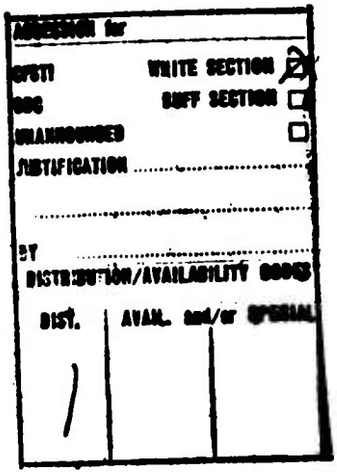
14. When this report is no longer needed, Department of the Army organizations will destroy it in accordance with the procedures given in AR 380-5.

MF

REPORT NUMBER 154

ONE-FIFTH SCALE INLET MODEL
WIND TUNNEL TEST REPORT

VOLUME II



XV-5A Lift Fan
Flight Research Aircraft Program

Contract DA 44-177-TC-715



March 1965

ADVANCED ENGINE AND TECHNOLOGY DEPARTMENT
GENERAL ELECTRIC COMPANY
CINCINNATI, OHIO 45215

3 JUN 1968
MF

PREFACE

This is XV-5A Report No. 154, published in three volumes, which presents low and high speed wind tunnel test results for a 1/5-scale inlet model of the U.S. Army XV-5A Lift Fan Research Aircraft. The tests were conducted at the David W. Taylor Model Basin (DTMB) subsonic and transonic wind tunnel facilities during the period 4 April to 29 May, 1962. Tabulated data are located in Volume II for the low speed tests (Mach 0 to 0.2), and in Volume III for the high speed tests (Mach 0.4 to 0.85). Summary tables, graphs, model description, instrumentation, conditions tested, validity of data and other information are presented in Volume I. In general, good repeatability of data was obtained, and with the exception of Run 1 data of the high speed tests and a few other isolated test points, the data presented are believed to offer a reliable basis for predicting aircraft performance.

This is Volume II.

CONTENTS

SECTION		PAGE
1.0	INTRODUCTION	223
2.0	MODEL DESCRIPTION AND TEST PROCEDURE	225
	2.1 Model and Installation	225
	2.2 Test Procedure	226
3.0	TEST RESULTS	235

LIST OF TABLES

TABLE		PAGE
2-1	XV-5A Inlet Model, Configuration Notation and Configurations Tested	228
2-2	XV-5A Inlet Model General Location of Instrumentation	229
2-3	XV-5A Inlet Model Defective Pressure Tubes	230
3-1	Run Index, Low Speed Wind Tunnel	237
3-2	Tabulated Data for Model Configurations C1I0S1B1 and C1I0S0B0	259
3-3	Tabulated Data for Model Configuration C1I0S1B1	363
3-4	Tabulated Data for Model Configurations C1I1S0B1 and C1I1S0B0	391
3-5	Tabulated Data for Configuration C1I1S1B1	465
3-6	Tabulated Data for Configuration C1I2S2B1	651
3-7	Tabulated Data for Configuration C1I2S2B0	765
3-8	Tabulated Data for Configuration C2I1S1B1	775
3-9	Tabulated Data for Single Engine Operation at a q of 33.3.	787

1.0 INTRODUCTION

This report published in three volumes presents low and high speed wind tunnel test results for a 1/5-scale inlet model of the U.S. Army XV-5A Lift Fan Flight Research Aircraft.

Tests were conducted at David W. Taylor Model Basin (DTMB) by Ryan Aeronautical Company as a part of the XV-5A wind tunnel test program. Inlet performance data were obtained over the anticipated flight speed range of the XV-5A aircraft for a variety of inlet and model configurations. Low speed tests (M = 0 to .2) were conducted in the DTMB 8 x 10 foot subsonic wind tunnel facility during the period 4 April to 2 May 1962. High speed tests (M = .4 to .85) were conducted in the DTMB 7 x 10 foot transonic wind tunnel facility during the period 24 May to 29 May 1962. Presentations in this report are limited to reduced test data, and information considered necessary for their proper interpretation. Evaluation, analysis and discussions relating to data use for predicting XV-5A aircraft performance characteristics will be presented in subsequent aircraft technical reports. All reduced pressure data obtained from the wind tunnel tests are presented in tabular form. Low speed data are located in Volume II and high speed data are located in Volume III.

The following information is located in Volume I:

The model description is located in Section 3.0; General sketches and photographs are presented in Figures 2-1 to 2-8 of Section 2.0; Detailed model drawings are located in Figures 7-1 through 7-10 of Section 7.2; Photographs of the model installed in the low speed tunnel facility are shown in Figures 2-2 and 2-3; and in the high speed wind tunnel facility Figure 2-8.

2.0 MODEL DESCRIPTION AND TEST PROCEDURES

2.1 MODEL AND INSTALLATION

The Ryan XV-5A 1/5 scale inlet model was designed for testing in both low speed and high speed wind tunnels of the David W. Taylor Model Basin facility. The model was constructed and instrumented by Contour Company, Rosemead, California according to specifications, drawings, and loft boards furnished by Ryan Aeronautical Company. Model configuration flexibility was obtained through a series of interchangeable instrumented components, including two canopy sections, three inlet sections and three inlet splitter sections which were attachable to the basic fuselage. Air flow passages were provided to simulate engine air flow and boundary layer bleed ducts. Compatible and interchangeable sting adaptors attached to the model base permitted model installation on the mounting systems of both low speed and high speed wind tunnel facilities without modification.

The model was constructed mostly of alternately oriented laminates of one-inch mahogany bonded with Penacolite to form a herringbone bond for added strength. The Penacolite bond is suitable for use to 120° F. The basic model component is the fuselage section, which provides space for instrumentation and attachment of model interchangeable components, and which is attached to the sting adaptors for wind tunnel installation. Model fabrication tolerances related to loft boards were: external lines, ± 0.030; inlet lips, ± 0.003; and inlet duct passages, ± 0.005 inches. Inlet lips were fabricated of aluminum. The model was finished with a highly polished paint. Component notation and model configurations tested are summarized in Table 2-1.

Model instrumentation consisted of 153 total and static pressure probes generally located and identified in Table 2-2. Table 2-2 also references model drawings where detailed instrument location and identification may be obtained. A majority of the pressure probes were connected to three Scanivalves of 48 ports each. Simultaneous readings of all Scanivalve data were obtained by storing pressures in the storage manifolds by means of lockout valves. Stored pressures were fed to the Scanivalves, and transmitted to the recording system by two 5 psid and one 1 psid pressure transducers.

Data were recorded sequentially on punched tape, coded for the ALWAC III-E computer, and typed by a Friden Flexowriter. Test condition control information was manually typed into the data recording system. Model engine air flow rates were controlled by remotely positioned conical plugs at the outlet of the model air flow passages. Since the plugs were separately controlled from fully closed to fully open positions, engine out conditions could be simulated. Only the left engine duct was fully instrumented. Thus in applying model data to the full scale aircraft, identical flow in both ducts is expected at all angles of attack for zero sideslip angle, while unequal flow is expected during sideslip angle studies, so that both positive and negative values must be considered to determine inlet performance during sideslip conditions. Flow control instrumentation (see Table 2-2) was provided in the calibrated model venturi section of both engine air ducts and photographically recorded from manometer boards. In the low speed tests engine air flow was obtained by drawing air through two 4.0 inch hoses connected to an external suction system provided by the facility. This system also served to calibrate the venturi section of the model.

2.2 TEST PROCEDURE

Prior to model installation in the low speed wind tunnel, model instrumentation was thoroughly checked for defects resulting from shipping and/or handling. Except for the pressure probes noted in Table 2-3, all instrumentation was considered in workable order. Periodically throughout both low speed and high speed wind tunnel tests, pressure checks were made to determine the validity of the pressure probes. Any discrepancies were noted and indicated on the output data. Transducer calibrations were obtained by applying known pressure differentials and noting the number of counts on the recorder system.

In general, the test procedure followed in both low speed and high speed wind tunnels consisted of the following steps:

1. Installation of model configuration in wind tunnel.

2. Establishment of wind tunnel speed.

3. Adjustment of model air flow rate.

4. Setting of model attitude by varying pitch (α) and sideslip (β) angles.

The variables in each step were investigated until the desired matrix of test data for each configuration was obtained. In the low speed facility,

tunnel speed was controlled by dynamic pressure and all pressure data were referenced to barometric data. In the high speed facility, tunnel speed was controlled by Mach number, and all pressure data were referenced to total pressure. Definition of terms are presented in Table 2-4.

TABLE 2-1
XV-5A INLET MODEL
CONFIGURATION NOTATION AND CONFIGURATIONS TESTED

Configuration Notation

C 1	Basic Canopy
C 2	Cut Down Canopy
I 0	24E Oval Inlet
I 1	30E Oval Inlet
I 2	Dual Inlet
S 0	Short Splitter Plate
S 1	Long Splitter Plate
S 2	Dual Inlet Splitter Plate
B 0	Boundary Layer Duct Plug Closed
B 1	Boundary Layer Duct Plug Open
E 1	Single Engine Operation
E 2	Two Engine Operation

Configurations Tested	Low Speed * Wind Tunnel	High Speed * Wind Tunnel
C I S B E		
1 1 1 1 2	X	X
1 0 1 1 2	X	X
1 1 0 1 2	X	-
1 1 0 0 2	X	-
1 0 0 1 2	X	-
1 0 0 0 2	X	-
1 2 2 1 2	X	X
1 2 2 0 2	X	-
2 1 1 1 2	X	-
1 1 1 1 1	X	-
1 0 1 1 1	X	X
1 0 0 1 1	X	-
1 2 2 1 1	X	X

* X Indicates configuration tested
\- Indicates configuration not tested

TABLE 2-2
XV-5A INLET MODEL
GENERAL LOCATION OF INSTRUMENTATION

Pressure Tube	General Designation	Reference * Figure
101 - 130	Compressor Face Rake Total Pressure	7-9
131 - 142	Boundary Layer Rake Total Pressures	7-8
143 - 144	Boundary Layer Duct Total Pressures	7-1
201 - 206	Compressor Face Wall Static Pressures	7-8
207 - 212	Compressor Bullet Wall Static Pressures	7-9
213 - 224	Inlet Top Static Pressures	7-8
225 - 236	Inlet Side Static Pressures	7-8
237 - 245	Inlet Splitter Static Pressures	7-8
301 - 309	Inlet Bottom Static Pressures	
310 - 320	Nacelle Top Static Pressures	7-8, 7-1
321 - 329	Nacelle Side Static Pressures	7-8
330A - 334A**	Canopy Side Static Pressures	7-1
335 - 342	Canopy Center-line Static Pressures	7-1
343 - 344	Canopy Side Static Pressures	7-1
401 - 404	Flow Meter Rake Total Pressures	7-6
405 - 408	Flow Meter Wall Static Pressures	7-6
409 - 412	Flow Meter Rake Total Pressure	7-6
413 - 416	Flow Meter Wall Static Pressures	7-6

* See Report No. 154 Volume I.

** Tubes 330 - 334 were replaced by 330A - 334A.

TABLE 2-3
XV-5A INLET MODEL
IDENTIFICATION OF DEFECTIVE PRESSURE TUBES DURING TEST

Low Speed Tests

All Runs

Component		
Fuselage		233, 334
Canopy C1		331
Inlet	I 0	214, 215, 234, 310, 325
	I 1	223, 226, 230, 321, 325, 326
	I 2	217, 237, 240, 310, 312, 315, 327, 328, 329

TABLE 2-4
DEFINITION OF SYMBOLS AND TERMS

Symbol	Definition	Units
A_c	Area of compressor face	in^2
A_t	Area of inlet throat	in^2
B	Barometric pressure	inches H_g
C_p	Pressure coefficient	None
g	Acceleration of gravity = 32.174	ft/sec^2
K	Compressor face total pressure variation factor	%
L	Compressor face static pressure variation factor	%
m/m*	Mass flow ratio referenced to critical mass flow at inlet throat	None
M_c	Mach number at compressor face	None
M_o	Free stream Mach number	None
P_{cb}	Average static pressure engine bullet, tubes 207-212	lb/in^2
P_{cw}	Average static pressure compressor face wall, tubes 201-206	lb/in^2
P_s	Static pressure	lb/in^2
$P_{s\ max}$	Maximum static pressure, tubes 201-206	lb/in^2
$P_{s\ min}$	Minimum static pressure, tubes 201-206	lb/in^2
P_{sn}	Static pressure tube n	lb/in^2
P_{so}	Free stream static pressure	lb/in^2
P_t	Total pressure	lb/in^2

TABLE 2-4 (Continued)

Symbol	Definition	Units
P_{tc}	Average total pressure at compressor face, tubes 101-130	lb/in^2
$P_{t\ max}$	Maximum total pressure at compressor face, tubes 101-130	lb/in^2
$P_{t\ min}$	Minimum total pressure at compressor face, tubes 101-130	lb/in^2
P_{to}	Free stream total pressure	lb/in^2
P_{tc}/P_{to}	Inlet total pressure recovery factor	None
q	Free stream dynamic pressure	lb/in^2
R	Gas constant for air = 1716.322	$ft^2/sec^2\,°R$
T	Tunnel temperature	°F
T_{tc}	Compressor face total temperature T + 459.69	°R
W_c	Model air flow rate at compressor face	lb/sec
α	Model angle of attack	Degrees
β	Model angle of sideslip	Degrees
γ	Ratio specific heats for air = 1.4	None
C_p	$= (P_{sn} - P_{so})/q$ or	
C_p	$= (P_{sn} - P_{so})/P_{so}$ at $q = 0$	
K	$= (P_{t\,max} - P_{t\,min})/P_{tc}$	
L	$= (P_{s\ max} - P_{s\ min})/P_{tc}$	
m/m^*	$= 1.728\ M_c\ A_c\ P_{tc} / A_t\ P_{to} \left[1 + \frac{\gamma - 1}{2} M_c^2\right]^{\frac{\gamma + 1}{2(\gamma - 1)}}$	

TABLE 2-4 (Continued)

Symbol	Definition	Units

$$M_c = (2/\gamma - 1)^{1/2} \left[(P_{tc}/P_{sc})^{\frac{\gamma - 1}{\gamma}} - 1 \right]^{1/2}$$

$$M_o = (2/\gamma - 1)^{1/2} \left[(P_{to}/P_{so})^{\frac{\gamma - 1}{\gamma}} - 1 \right]^{1/2}$$

$$q_o = \gamma \; M_o^{\,2} \; P_{so}/2$$

$$W_c = \frac{g \, M_c \, Ac \, P_{tc} \, (\gamma/R)^{1/2}}{144 \, (T_{tc})^{1/2} \left[1 + \frac{\gamma - 1}{2} \, M_c^{\,2} \right]^{\frac{\gamma + 1}{2(\gamma - 1)}}}$$

3.0 TEST RESULTS

All reduced data obtained from low speed wind tunnel tests ($0 \leq M_0 \leq 0.2$) for the conditions of Table 3-1 are presented in Tables 3-2 through 3-9 of this volume. When two values of m/m* are given in the tables, the values are for the left and right hand inlet ducts respectively. A single value of m/m* indicates left and right inlet ducts are operating at essentially equal flows (within $\pm$ 0.5% or that only one engine is operative (Eng. 1). In addition to the defective tubes of Table 2-3, certain tubes developed leaks or constrictions during the tests; either in the model or the readout instrumentation. An effort was made to identify the tubes by overlining the questionable data. Also parts of the data for tubes 131 and 134 are overlined, since they were cross-connected for a portion of the tests. When the Scanivalve capacity was exceeded, data was labeled n.g. (this is equivalent to blowing a manometer tube for a specific test point). Tabular headings, identification of instrumentation, symbols, and supporting equations are defined in Tables 2-1 through 2-4.

The reported mass flow ratios (m/m*) for the low speed tests were based on a compressor face to inlet throat area ratio of 1.0177. Review of inlet model loft boards show this ratio should have been 1.0288; therefore, although of small effect, values of m/m* quoted in Tables 3-2 through 3-9 should be increased by a factor of 1.0109.

RYAN

Configuration
C1I1S1B1E2

TABLE 3-1

LOW SPEED WIND TUNNEL RUN INDEX, $0 \leq M \leq 0.2$

*Data Plotted:

1 means NR, K and L plotted in Figures 4-1 through 4-36 of Volume I.

2 means p/P_t tubes 101 to 130 plotted in Figures 4-37 through 4-47 of Volume I.

3 means C_p tubes 310 to 344 plotted in Figures 4-48 through 4-81 of Volume I.

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	0	0	0	.524	1	465	II	L22-3
				.676	1, 2	466		L22-4
				.75	1	467		L22-1
				.746	1	468		L22-5
				.804	1	469		L22-2
	.02	0	-30	.466	1, 2	470		L39-1
			+30	.751	1, 2	471		L39-2
			+30	.828	1, 2	472		L40-1
			-30	.794	1, 2	473		L40-2
	.10	0	0	.520	1	474		L31-1
		-20	0	.521		475		L31-2
		+20	0	.521		476		L31-3
		0	-10	.520		477		L31-4
		0	10	.520		478		L31-5
		-10	0	.521		479		L31-6
		10	0	.521		480		L31-7
		0	0	.674		481		L32-1
		-4	0	.675		482		L32-2
		-10	0	.673		483		L32-3
		-20	0	.672		484		L32-4
		+4	0	.673		485		L32-5
		10	0	.672		486		L32-6
		20	0	.675		487		L32-7
		0	-4	.674		488		L32-8
		0	-10	.672		489		L32-9
		0	+4	.673		490		L32-10
		0	10	.674		491		L32-11
		4	10	.675		492		L32-12
		4	4	.676		493		L32-13
		4	-4	.676		494		L32-14
		4	-10	.672		495		L32-15
		-4	-10	.673		496		L32-16
		-4	-4	.676		497		L32-17
		-4	+4	.673		498		L32-18
		-4	10	.674		499		L32-19
		0	0	.747		500		L33-1
		-4	0	.748		501		L33-2
		-10	0	.752		502		L33-3

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S1B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.10	-20	0	.748	1	503	II	L33-4
		4	0	.752		504		L33-5
		10	0	.747		505		L33-6
		20	0	.75		506		L33-7
		0	-4	.75		507		L33-8
		0	-10	.748		508		L33-9
		0	4	.752		509		L33-10
		0	10	.75		510		L33-11
		4	10	.748		511		L33-12
		4	-10	.747		512		L33-13
		-4	-10	.748		513		L33-14
		-4	+10	.75		514		L33-15
		0	0	.822		515		L34-1
		-4	0	.827		516		L34-2
		-10	0	.822		517		L34-3
		-20	0	.826		518		L34-4
		4	0	.822		519		L34-5
		10	0	.820		520		L34-6
		20	0	.820		521		L34-7
		0	-10	.811		522		L34-8
		0	10	.833		523		L34-9
	.15	0	0	.667		524		L25-1
		-4	0	.669		525		L25-2
		-10	0	.668		526		L25-3
		-20	0	.670		527		L25-4
		4	0	.665		528		L25-5
		10	0	.666		529		L25-6
		20	0	.669		530		L25-7
		0	-4	.667		531		L25-8
		0	-10	.667		532		L25-9
		0	4	.670		533		L25-10
		0	10	.667		534		L25-11
		4	10	.670		535		L25-12
		4	4	.669		536		L25-13
		4	-4	.669		537		L25-14
		4	-10	.668		538		L25-15
		-4	-10	.668		539		L25-16
		-4	-4	.669		540		L25-17
		-4	+4	.671	▼	541	▼	L25-18

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S1B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	-4	10	.67	1	542	II	L25-19
		0	0	.743		543		L23-2
		-4	0	.737		544		L23-3
		-10	0	.739		545		L23-4
		-20	0	.741		546		L23-5
		4	0	.738		547		L23-6
		10	0	.740		548		L23-7
		20	0	.738	1, 2	549		L23-8
		0	-4	.738	1	550		L23-9
		0	-10	.742		551		L23-10
		0	4	.736		552		L23-11
		0	10	.745		553		L23-12
		4	10	.740		554		L23-13
		4	4	.738		555		L23-14
		4	-4	.743		556		L23-15
		4	-10	.738		557		L23-16
		-4	-10	.737		558		L23-17
		-4	-4	.744		559		L23-18
		-4	+4	.743		560		L23-19
		-4	10	.740		561		L23-20
		0	0	.742		562		L23-21
		0	0	.822		563		L24-2
		-4	0	.824		564		L24-3
		-10	0	.828		565		L24-4
		-20	0	.829		566		L24-5
		4	0	.828		567		L24-6
		10	0	.827		568		L24-7
		20	0	.824		569		L24-8
		0	-4	.824		570		L24-9
		0	-10	.809		571		L24-10
		0	4	.827		572		L24-11
		0	10	.829		573		L24-12
	.20	0	0	.512		574		L27-1
		-4	0	.511		575		L27-2
		-10	0	.511		576		L27-3
		-20	0	.512		577		L27-4
		4	0	.513		578		L27-5
		10	0	.513		579		L27-6
		20	0	.509		580		L27-7

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S1B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.2	0	-4	.509	1	581	II	L27-8
		0	-10	.507		582		L27-9
		0	4	.515		583		L27-11
		0	10	.513		584		L27-12
		4	10	.513		585		L27-13
		4	4	.513		586		L27-14
		4	-4	.509		587		L27-15
		4	-10	.512		588		L27-16
		-4	-10	.513		589		L27-17
		-4	-4	.513		590		L27-18
		-4	4	.513		591		L27-19
		-4	10	.508		592		L27-20
		0	0	.663		593		L28-1
		-4	0	.663		594		L28-3
		-10	0	.660		595		L28-4
		-20	0	.661		596		L28-6
		4	0	.660		597		L28-7
		10	0	.658		598		L28-8
		20	0	.660		599		L28-9
		0	-4	.662		600		L28-10
		0	-10	.659		601		L28-11
		0	4	.658		602		L28-12
		0	10	.658		603		L28-13
		4	10	.662		604		L28-14
		4	4	.659		605		L28-15
		4	-4	.658		606		L28-16
		4	-10	.658		607		L28-17
		-4	-10	.658		608		L28-18
		-4	-4	.661		609		L28-19
		-4	4	.660		610		L28-20
		-4	10	.664		611		L28-22
		0	0	.727		612		L29-1
		-4	0	.728		613		L29-2
		-10	0	.728		614		L29-3
		-20	0	.728		615		L29-4
		4	0	.732	1	616		L29-5
		10	0	.733	1, 2	617		L29-6
		20	0	.727	1	618		L29-7
		0	-4	.733	1	619		L29-8
		0	-10	.733	1	620		L29-9

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S1B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.2	0	4	.733	1	621	II	L29-10
		0	10	.733		622		L29-11
		4	10	.721		623		L29-12
		4	4	.732		624		L29-13
		4	-4	.732		625		L29-14
		4	-10	.733		626		L29-15
		-4	-10	.735		627		L29-16
		-4	-4	.741		628		L29-17
		-4	4	.735		629		L29-18
		-4	10	.729		630		L29-19
		0	0	.822		631		L30-2
		-4	0	.824		632		L30-3
		-10	0	.817		633		L30-4
		-20	0	.822		634		L30-5
		4	0	.817		635		L30-6
		10	0	.824		636		L30-7
		20	0	.810		637		L30-8
		0	-4	.822		638		L30-9
		0	-10	.813		639		L30-10
		0	4	.824		640		L30-11
		0	10	.825		641		L30-12
		4	10	.825		642		L30-13
		4	4	.818		643		L30-14
		4	-4	.814		644		L30-15
		4	-10	.806		645		L30-16
		-4	-10	.809		646		L30-17
		-4	-4	.823		647		L30-18
		-4	+4	.821		648		L30-19
		-4	10	.825	↓	649	↓	L30-20

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S1B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	0	0	0	.807	1	363	II	L19-1
		0	0	.750		364		L19-2
		0	0	.752		365		L19-3
		0	0	.794		366		L19-4
	.15	0	0	.740		367		L20-1
		-4	0	.741		368		L20-2
		4	0	.740		369		L20-3
		0	-4	.741		370		L20-4
		0	-10	.740		371		L20-5
		0	4	.740		372		L20-6
		0	10	.742		373		L20-7
		-10	0	.740		374		L20-9
		-20	0	.740		375		L20-10
		10	0	.739		376		L20-11
		20	0	.738		377		L20-12
		0	0	.825		378		L21-1
		-4	0	.823		379		L21-2
		4	0	.822		380		L21-3
		0	-4	.812		381		L21-4
		0	-10	.800		382		L21-5
		0	4	.820		383		L21-8
		0	10	.828		384		L21-7
		0	0	.820		385		L21-9
		-10	0	.830		386		L21-10
		-20	0	.830		387		L21-11
		10	0	.825		388		L21-12
		20	0	.818	▼	389	▼	L21-13

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S0B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	0	0	0	.374	1	453	II	L6-2
				.524		454		L6-3
		0	0	.600		455		L6-6
		0	0	.677		456		L6-7
		0	0	.749		457		L6-11
	.15	0	0	.518		391		L7-1
		-4	0	.518		392		L7-2
		-10	0	.518		393		L7-3
		-20	0	.516		394		L7-4
		4	0	.515		395		L7-5
		10	0	.516		396		L7-6
		20	0	.525		397		L7-7
		0	-4	.518		398		L7-8
		0	-10	.515		399		L7-9
		0	4	.519		400		L7-10
		0	10	.518		401		L7-11
		4	10	.516		402		L7-12
		4	4	.518		403		L7-13
		4	-4	.516		404		L7-14
		4	-10	.515		405		L7-15
		-4	-10	.527		406		L7-16
		-4	-4	.515		407		L7-17
		-4	+4	.521		408		L7-18
		-4	10	.526		409		L7-19
		0	0	.516		410		L7-20
		0	0	.667		411		L8-1
		-4	0	.666		412		L8-2
		-10	0	.666		413		L8-3
		-20	0	.668		414		L8-4
		4	0	.669		415		L8-5
		10	0	.670		416		L8-6
		20	0	.669		417		L8-7
		0	-4	.670		418		L8-8
		0	-10	.668		419		L8-9
		0	4	.670		420		L8-10
		0	10	.669		421		L8-11

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S0B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	4	10	.670	1	422	II	L8-12
		4	4	.670		423		L8-13
		4	-4	.668		424		L8-14
		4	-10	.669		425		L8-15
		-4	-10	.669		426		L8-16
		-4	-4	.667		427		L8-17
		-4	4	.673		428		L8-18
		-4	10	.669		429		L8-19
		0	0	.670		430		L8-20
		0	0	.740		431		L9-1
		-4	0	.740		432		L9-2
		-10	0	.740		433		L9-3
		-20	0	.739		434		L9-4
		4	0	.740		435		L9-5
		10	0	.739		436		L9-6
		20	0	.739		437		L9-7
		0	-4	.739		438		L9-8
		0	-10	.739		439		L9-9
		0	4	.738		440		L9-10
		0	10	.739		441		L9-11
		4	10	.739		442		L9-12
		4	4	.739		443		L9-13
		4	-4	.740		444		L9-14
		4	-10	.740		445		L9-15
		-4	-10	.738		446		L9-16
		-4	-4	.740		447		L9-17
		-4	4	.740		448		L9-18
		-4	10	.738		449		L9-19
		0	0	.740		450		L9-20
		20	0	.739	↓	451	↓	L9-22

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration CC1I1S0B0E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	0	0	0	.574	1	458	II	L6-1
		0	0	.587		459		L6-4
		0	0	.597		460		L6-5
		0	0	.678		461		L6-8
		0	0	.750		462		L6-9
		0	0	.750		463		L6-10
	.15	0	0	.739	↓	452	↓	L9-21

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S0B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	0	0	0	.389	1	259	II	L11-8
				.526		260		L11-5
				.599		261		L11-4
				.678		262		L11-1
				.749		263		L11-9
				.750		264		L11-10
				.739		265		L11-12
				.827		266		L11-11
				.819		267		L11-13
				.813		268		L11-14
				.816		269		L11-15
	.15	0	0	.518		270		L12-1
		-4	0	.518		271		L12-2
		-10	0	.516		272		L12-3
		-20	0	.520		273		L12-4
		4	0	.520		274		L12-5
		10	0	.518		275		L12-6
		20	0	.516		276		L12-7
		0	-4	.517		277		L12-8
		0	-10	.519		278		L12-9
		0	4	.520		279		L12-10
		0	10	.520		280		L12-11
		4	10	.518		281		L12-12
		4	4	.517		282		L12-13
		4	-4	.516		283		L12-14
		4	-10	.509		284		L12-15
		-4	-10	.512		285		L12-16
		-4	-4	.517		286		L12-17
		-4	4	.494		287		L12-18
		-4	10	.519		288		L12-19
		0	0	.519		289		L12-20
		0	0	.667		290		L13-1
		-4	0	.666		291		L13-2
		-10	0	.668		292		L13-3
		-20	0	.670		293		L13-4
		4	0	.669		294		L13-5
		10	0	.669		295		L13-6
		20	0	.668		296		L13-7
		0	-4	.669		297		L13-8

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S0B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	.15	0	-10	.666	1	298	II	L13-9
		0	4	.668		299		L13-10
		0	10	.667		300		L13-11
		4	10	.669		301		L13-12
		4	4	.671		302		L13-13
		4	-4	.668		303		L13-14
		4	-10	.668		304		L13-15
		-4	-10	.665		305		L13-16
		-4	-4	.667		306		L13-17
		-4	4	.668		307		L13-18
		-4	10	.669		308		L13-19
		0	0	.669		309		L13-20
		0	0	.741		310		L14-1
		-4	0	.740		311		L14-2
		-10	0	.740		312		L14-3
		-20	0	.741		313		L14-4
		4	0	.742		314		L14-5
		10	0	.741		315		L14-6
		20	0	.746		316		L14-7
		0	-4	.746		317		L14-8
		0	-10	.736		318		L14-9
		0	4	.743		319		L14-10
		0	10	.740		320		L14-11
		4	10	.738		321		L14-12
		4	4	.739		322		L14-13
		4	-4	.741		323		L14-14
		4	-10	.738		324		L14-15
		-4	-10	.740		325		L14-16
		-4	-4	.741		326		L14-17
		-4	+4	.739		327		L14-18
		-4	-10	.740		328		L14-19
		0	0	.738		329		L14-20
		0	0	.739		330		L14-21
		-4	0	.738		331		L14-22
		-10	0	.738		332		L14-23
		-20	0	.740		333		L14-24
		4	0	.740		334		L14-25
		10	0	.739		335		L14-26
		20	0	.741		336		L14-27
		0	-4	.740		337		L14-28

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S0B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	0	-10	.739	1	338	II	L14-29
		0	-4	.741		339		L14-30
		0	10	.739		340		L14-31
		0	0	.739		341		L14-32
		0	0	.821		342		L15-1
		-4	0	.817		343		L15-2
		-10	0	.815		344		L15-3
		-20	0	.812		345		L15-4
		4	0	.808		346		L15-5
		10	0	.804		347		L15-6
		20	0	.801		348		L15-7
		0	-4	.793		349		L15-8
		0	-10	.787		350		L15-9
		0	4	.821		351		L15-10
		0	10	.826		352		L15-11
		4	10	.826		353		L15-12
		4	4	.820		354		L15-13
		4	-4	.812		355		L15-14
		0	0	.819		356		L15-15
		0	0	.819		357		L15-16

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S0B0E2

	M_o	α	β	m/m^*	Data Plotted *	Tabulated Data		CASE
						Page	Volume	
	0	0	0	.378	1	358	II	L11-7
		0	0	.525	1	359	II	L11-6
		0	0	.600	1	360	II	L11-5
		0	0	.679	1	361	II	L11-2

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I2S2B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	0	0	0	.379	1	651	II	L1-13
		0	0	.379		652		L1-14
		0	0	.524		653		L1-7
		0	0	.524		654		L1-8
		0	0	.599		655		L1-5
		0	0	.599		656		L1-6
		0	0	.599		657		L1-22
		0	0	.676		658		L1-23
		0	0	.680		659		L1-26
		0	0	.677		660		L1-16
		0	0	.748		661		L1-17
		0	0	.750		662		L1-20
		0	0	.750		663		L1-24
		0	0	.738		664		L1-25
		0	0	.801		665		L1-21
	.15	0	0	.518		666		L2-1
		-4	0	.519		667		L2-2
		-10	0	.518		668		L2-3
		-20	0	.518		669		L2-4
		4	0	.518		670		L2-5
		10	0	.518		671		L2-6
		20	0	.519		672		L2-7
		0	-4	.519		673		L2-8
		0	-10	.519		674		L2-9
		0	4	.518		675		L2-10
		0	10	.518		676		L2-11
		4	10	.518		677		L2-12
		4	-4	.519		678		L2-14
		4	4	.520		679		L2-13
		4	-10	.519		680		L2-15
		4	-10	.520		681		L2-15r
		-4	-10	.517		682		L2-16
		-4	-4	.517		683		L2-17
		-4	-4	.519		684		L2-18
		-4	+4	.518		685		L2-19
		-4	10	.518		686		L2-20
		0	0	.518		687		L2-21
		0	0	.669		688		L3-1
		-4	0	.670	↓	689	↓	L3-2

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I2S2B1E2

	M_o	α	β	m/m^*	Date Plotted *	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	-10	0	.670	1	690	II	L3-2
		-20	0	.669		691		L3-4
		4	0	.669		692		L3-5
		10	0	.669		693		L3-6
		20	0	.671		694		L3-7
		0	-4	.669		695		L3-8
		0	-10	.668		696		L3-9
		0	4	.670		697		L3-10
		0	10	.669		698		L3-11
		4	10	.668		699		L3-12
		4	4	.668		700		L3-13
		4	-4	.669		701		L3-14
		4	-10	.667		702		L3-15
		-4	-10	.668		703		L3-16
		-4	-4	.668		704		L3-17
		-4	4	.669		705		L3-18
		-4	10	.669		706		L3-19
		0	0	.669		707		L3-20
		0	0	.667		708		L3-21
		0	0	.738		709		L4-1
		-4	0	.744		710		L4-2
		-10	0	.738		711		L4-3
		-20	0	.738		712		L4-4
		4	0	.739		713		L4-5
		10	0	.741		714		L4-6
		20	0	.740		715		L4-7
		0	-4	.740		716		L4-8
		0	-10	.738		717		L4-9
		0	4	.733		718		L4-10
		0	10	.739		719		L4-11
		4	10	.739		720		L4-12
		4	4	.739		721		L4-13
		4	-4	.741		722		L4-14
		4	-10	.740		723		L4-15
		-4	-10	.741		724		L4-16
		-4	-4	.742		725		L4-17
		-4	4	.739		726		L4-18
		-4	10	.739		727		L4-19
		0	0	.740		728		L4-20
		0	0	.739		729		L4-21

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I2S2B1E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	-4	0	.739	1	730	II	L4-22
		-10	0	.740		731		L4-23
		4	0	.739		732		L4-24
		10	0	.738		733		L4-25
		0	-4	.735		734		L4-26
		0	-10	.728		735		L4-27
		0	4	.742		736		L4-28
		0	10	.743		737		L4-29
		0	0	.743		738		L4-30
		0	0	.740		739		L4-31
		0	0	.740		740		L4-33
		-4	0	.737		741		L4-34
		-10	0	.739		742		L4-35
		4	0	.739		743		L4-36
		10	0	.740		744		L4-37
		0	0	.823		745		L5-2
		-4	0	.822		746		L5-3
		-10	0	.815		747		L5-4
		-20	0	.830		748		L5-5
		4	0	.812		749		L5-6
		10	0	.812		750		L5-7
		20	0	.807		751		L5-8
		0	-4	.809		752		L5-9
		0	-10	.804		753		L5-10
		0	4	.819		754		L5-11
		0	10	.814		755		L5-12
		4	10	.824		756		L5-13
		4	4	.819		757		L5-14
		4	-4	.808		758		L5-15
		4	-10	.799		759		L5-16
		-4	-10	.802		760		L5-17
		-4	-4	.813		761		L5-18
		-4	4	.817		762		L5-19
		-4	10	.821		763		L5-20
		0	0	.817		764		L5-21

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I2S2B0E2

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	0	0	0	.378	1	765	II	L1-11
		0	0	.378	↓	766	↓	L1-12
		0	0	.524		767		L1-9
		0	0	.524		768		L1-10
		0	0	.600		769		L1-3
		0	0	.600		770		L1-4
		0	0	.679		771		L1-1
		0	0	.678		772		L1-2
		0	0	.678		773		L1-15
		0	0	.749		774		L1-18

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C2I1S1B1E2

	M_o	α	β	$^m/_{m^*}$	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	0	0	.739	1	775	II	L36-1
		-10	0	.740	↓	776	↓	L36-2
		-20	0	.747		777		L36-3
		10	0	.735		778		L36-4
		20	0	.738		779		L36-5
		0	-10	.738		780		L36-6
		0	10	.745		781		L36-7
		0	0	.851		782		L37-1
		-10	0	.826		783		L37-2
		10	0	.817		784		L37-3
		20	0	.816	↓	785	↓	L37-4

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I1S1B1E1

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data Page	Tabulated Data Volume	CASE
	.15	0	0	.668	1	787	II	L23-20
		0	0	.740		788		L17-1
		-4	0	.741		789		L17-2
		-10	0	.739		790		L17-3
		4	0	.739		791		L17-4
		10	0	.740		792		L17-5
		0	-4	.740		793		L17-6
		0	-10	.741		794		L17-7
		0	4	.740		795		L17-8
		0	10	.738		796		L17-9
		4	4	.739		797		L17-10
		4	-4	.741		798		L17-11
		-4	-4	.741		799		L17-12
		-4	4	.739		800		L17-13
		0	0	.740		801		L23-1
		0	0	.739		802		L23-22
		0	0	.817		803		L18-1
		-4	0	.817		804		L18-2
		-10	0	.816		805		L18-3
		4	0	.819		806		L18-4
		10	0	.816		807		L18-5
		0	-4	.817		808		L18-6
		0	-10	.821		809		L18-7
		0	4	.818		810		L18-8
		0	10	.814		811		L18-9
		0	0	.813		812		L24-1

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S1B1E1

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	.15	0	0	.738	1	813	II	L20-8
		0	0	.812	1	814	II	L21-14

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I2S2B1E1

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	.15	0	10	.739	1	827	II	L4-42
		4	0	.740		828		L4-43
		-4	0	.740		829		L4-44
		-4	-4	.742		830		L4-45
		-4	-10	.743		831		L4-46
		-4	4	.741		832		L4-47
		-4	10	.740		833		L4-48
		0	0	.824		834		L5-1
		0	0	.668		817		L3-22
		0	-4	.668		818		L3-23
		0	-10	.668		819		L3-24
		0	4	.666		820		L3-25
		0	10	.666		821		L3-26
		0	0	.740		822		L4-32
		0	0	.743		823		L4-38
		0	-4	.741		824		L4-39
		0	-10	.744		825		L4-40
		0	4	.740		826		L4-41

RYAN

TABLE 3-1 (Continued)
LOW SPEED INDEX
Configuration C1I0S0B1E1

	M_o	α	β	m/m^*	Data Plotted*	Tabulated Data		CASE
						Page	Volume	
	.15	0	0	.740	1	815	II	L14-55
		0	0	.827	1	816	II	L15-17

Tabulated Data for Model Configurations C1 I0 S0 B1 and C1 I0 S0 B0
(a) C1 I0 S0 B1; q = 0

Run 11-8 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.338~~ 0.385, 0.370

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.998~~ .999

Cp 330-344
~~-.000~~ .000 .000 .000 -.000 .000 .000 -.000 .000 -.000 -.000 -.001 -.003 -.000 -.002

Pt/Pto 101-130
.987 .976 .986 .991 .999 1.000 .993 .977 .989 .995
1.000 1.000 .998 .978 .988 .998 1.000 1.000 .999 .981
.986 1.000 .999 1.000 .999 .988 .989 .999 1.000 1.000

Ptc = 14.464 Ptc/Pto = .993 K = .0242

Cp 310-320
~~-.000~~ -.010 -.004 -.002 -.001 -.000 -.000 -.000 .000 .000 .000

Cp 321-329
-.003 -.007 -.003 -.002 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13 451 13.466 13.498 13.603 13.742 14.006 14.008 14.009 14.020

Ps 201-206 14.010 14.042 14.060 14.039 13.981 13.956

Ps 207-212 13.867 13.907 13.913 13.881 13.870 13.848

Ps 213-224 12.924 13.162 ~~11.830~~ 13.460 13.675 13.793 13.840 13.878 13.905 14.051 14.057 14.080

Ps 225-236 13.500 13.576 13.626 13.733 13.755 13.755 13.757 13.762 13.767 ~~14.563~~ 14.013 14.083

Ps 237-245 14.564 14.397 14.080 13.909 ~~13.877~~ 13.952 13.944 13.887 13.893

Pcv = 14.015 L = .0072 Pcb = 13.881 Ptc/Pcv = 1.032 Wc = .90 T = 69. B = 29.63

Run 11-5 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*= ~~.474~~ 0.520

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	~~.995~~	.999

Cp 330-344

~~.000~~	.000	-.000	-.000	-.000	.000	-.000	-.000	-.000	-.000	-.000	-.001	-.006	-.001	-.005

Pt/Pto 101-130

.973	.948	.978	.985	1.000	1.000	.980	.947	.986	.993
1.000	1.000	.992	.948	.988	.998	1.000	1.000	.995	.954
.982	1.000	1.000	1.000	.995	.971	.986	1.000	1.000	1.000

Ptc = 14.370 Ptc/Pto = .987 K = .0540

Cp 310-320

~~.000~~	-.023	-.009	-.005	-.003	-.001	-.000	-.000	-.000	.000	.000

Cp 321-329

-.002	-.012	-.005	-.003	-.002	-.001	-.000	-.000	-.000

Ps 301-309	12.140	12.145	12.258	12.526	12.873	13.417	13.383	13.374	13.401		
Ps 201-206	13.353	13.429	13.481	13.442	13.322	13.244					
Ps 207-212	13.070	13.164	13.140	13.082	13.061	13.023					
Ps 213-224	10.989	11.544	~~11.169~~	12.241	12.684	12.934	13.039	13.120	13.178	13.460	13.462	13.521
Ps 225-236	12.245	12.177	12.386	12.717	12.826	12.844	12.846	12.853	12.872	~~14.558~~	13.387	13.540
Ps 237-245	14.559	14.175	13.496	13.143	~~13.092~~	13.273	13.245	13.119	13.130			

Pcw = 13.379 L = .0165 Pcb = 13.090 Ptc/Pcw = 1.074 Wc = 1.30 T = 69. B = 29.63

Run 11-4 C1 I0 S0 E1 Eng 2 α=0° β=0° m/m*=~~.540~~ 0.593

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 ~~.994~~ .998

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.008 -.001 -.007

Pt/Pto 101-130

.963 .932 .977 .981 1.000 1.000 .967 .930 .986 .994
1.000 1.000 .985 .929 .988 .998 1.000 1.000 .991 .935
.983 .999 1.000 1.000 .990 .959 .984 1.000 1.000 1.000

Ptc = 14.308 Ptc/Pto = .982 K = .0720

Cp 310-320

~~-.000~~ -.029 -.013 -.007 -.004 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.003 -.016 -.007 -.004 -.002 -.001 -.000 -.000 -.000

Ps 301-309 11.318 11.308 11.483 11.857 12.288 13.032 12.977 12.964 13.007

Ps 201-206 12.923 13.033 13.102 13.058 12.891 12.778

Ps 207-212 12.544 12.680 12.638 12.564 12.529 12.476

Ps 213-224 9.924 10.600 ~~11.085~~ 11.465 12.044 12.374 12.518 12.628 12.705 13.087 13.075 13.154

Ps 225-236 11.458 11.248 11.516 11.987 12.270 12.309 12.289 12.274 12.288 ~~14.555~~ 12.991 13.196

Ps 237-245 14.556 14.050 13.142 12.665 ~~12.594~~ 12.835 12.798 12.622 12.641

Pcv = 12.964 L = .0226 Pcb = 12.572 Ptc/Pcv = 1.104 Wc = 1.49 T = 69. B = 29.63

Run 11-1 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m'= ~~.621~~ 0.671

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	~~.992~~	.998

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.011	-.002	-.009

Pt/Pto 101-130

.960	.905	.957	.971	.999	.999	.988	.910	.963	.983
1.000	1.000	.998	.916	.954	.993	1.000	1.000	.999	.924
.943	.999	1.000	1.000	.995	.950	.959	.999	.999	1.000

Ptc = 14.207 Ptc/Pto = .975 K = .0974

Cp 310-320

~~-.001~~	-.032	-.013	-.007	-.004	-.001	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.002	-.023	-.011	-.006	-.004	-.001	-.000	-.000	-.000

Ps 301-309 14.458 14.505 10.567 10.822 11.200 12.368 12.416 12.387 12.419

Ps 201-206 12.303 12.461 12.543 12.491 12.277 12.142

Ps 207-212 11.763 11.953 12.005 11.830 11.745 11.668

Ps 213-224 n.g. n.g. ~~11.465~~ 10.271 11.101 11.559 11.742 11.891 11.992 12.542 12.570 12.674

Ps 225-236 10.453 10.156 10.490 11.057 11.434 11.508 11.507 11.502 11.524 ~~14.556~~ 12.407 12.653

Ps 237-245 14.558 13.884 12.637 11.959 ~~11.836~~ 12.186 12.138 11.898 11.929

Pcw = 12.370 L = .0282 Pcb = 11.828 Ptc/Pcw = 1.148 Wc = 1.70 T = 70. B = 29.63

Run 11-9 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=. 0.741

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 ~~.991~~ .997

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.014 -.002 -.011

Pt/Pto 101-130

.940 .881 .960 .969 .999 .999 .957 .881 .970 .989
.999 1.000 .986 .886 .967 .996 .999 .999 .993 .902
.962 .999 .999 .999 .989 .942 .973 .999 1.000 .999

Ptc = 14.145 Ptc/Pto = .971 K = .1219

Cp 310-320

~~-.091~~ -.043 -.019 -.010 -.006 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.004 -.025 -.011 -.006 -.004 -.001 -.000 -.000 -.000

Ps 301-309 13.593 13.574 13.679 14.051 14.560 11.948 11.921 11.911 11.976

Ps 201-206 1 .813 12.002 12.137 12.071 11.808 11.618

Ps 207-212 11.172 11.385 11.388 11.225 11.130 11.054

Ps 213-224 n.g. n.g. ~~10.380~~ 9.365 10.354 10.914 11.142 11.329 11.464 12.142 12.126 12.241

Ps 225-236 9.815 n.g. 9.376 9.893 10.690 10.882 10.876 10.844 10.846 ~~14.552~~ 11.969 12.288

Ps 237-245 14.556 13.780 12.290 11.438 ~~11.283~~ 11.714 11.653 11.350 11.397

Pcw = 11.908 L = .0367 Pcb = 11.226 Ptc/Pcw = 1.188 Wc = 1.84 T = 68. B = 29.63

Run 11-10 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=.677 0.742

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .997 .998 .999 .999 .999 .999 ~~.990~~ .997

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.003 -.014 -.002 -.011

Pt/Pto 101-130
.945 .895 .941 .967 .999 .999 .974 .910 .947 .980
.999 1.000 .998 .928 .941 .986 .999 1.000 .999 .948
.944 .991 .998 1.000 .999 .977 .974 .988 .999 1.000

Ptc = 14.356 Ptc/Pto = .974 K = .1077

Cp 310-320
~~-.001~~ -.038 -.015 -.008 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
~~-.026~~ -.022 -.010 -.006 -.004 -.002 -.000 -.000 -.000

Ps 301-309 14.185 14.094 14.178 14.390 14.710 12.154 12.197 12.175 12.196

Ps 201-206 11.963 12.157 12.274 12.214 11.961 11.802

Ps 207-212 11.282 11.396 11.578 11.208 11.380 11.218

Ps 213-224 n.g. n.g. ~~9.573~~ n.g. 10.375 10.970 11.209 11.406 11.557 12.357 12.371 12.445

Ps 225-236 10.233 n.g. n.g. 9.792 10.693 11.053 11.158 11.183 11.199 ~~14.724~~ 12.180 12.470

Ps 237-245 14.724 13.898 12.394 11.567 11.432 11.888 11.825 11.548 11.589

Pcw = 12.062 L = .0329 Pcb = 11.344 Ptc/Pcw = 1.190 Wc = 1.87 T = 68. B = 29.98

Run 11-12 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 .999 .999 .999 .999 .999 .999 .991 .997

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.013 -.002 -.010

Pt/Pto 101-130

.948 .885 .949 .961 1.000 1.000 .981 .892 .961 .973

1.000 1.000 .997 .901 .955 .988 1.000 .999 .998 .919

.948 .998 1.000 1.000 .996 .954 .967 .999 1.000 1.000

Ptc = 14.294 Ptc/Pto = .972 K = .1178

Cp 310-320

~~-.001~~ -.038 -.015 -.008 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

~~-.007~~ -.024 -.010 -.006 -.004 -.001 -.000 -.000 -.000

Ps 301-309 13.901 13.890 13.980 14.271 10.718 12.108 12.105 12.097 12.142

Ps 201-206 11.971 12.162 12.285 12.204 11.957 11.790

Ps 207-212 11.324 11.503 11.575 11.373 11.310 11.225

Ps 213-224 n.g. n.g. ~~10.916~~ 9.535 10.522 11.081 11.300 11.482 11.616 12.317 12.336 12.427

Ps 225-236 10.009 n.g. 9.596 10.139 10.835 11.060 11.076 11.055 11.060 14.690 12.148 12.440

Ps 237-245 14.694 13.924 12.447 11.597 11.424 11.863 11.790 11.519 11.564

Pcw = 12.061 L = .0347 Pcb = 11.385 Ptc/Pcw = 1.185 Wc = 1.84 T = 73. B = 29.91

Run 11-11 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=. 0.794, 0.805

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .995 .997 .998 .999 .999 .998 ~~.988~~ .996

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.003 -.017 -.002 -.012

Pt/Pto 101-130
.938 .871 .944 .959 .999 1.000 .974 .888 .949 .974
.999 1.000 .999 .910 .936 .982 .998 1.000 .999 .937
.937 .994 .994 1.000 1.000 .973 .974 .985 .994 1.000

Ptc = 14.298 Ptc/Pto = .970 K = .1326

Cp 310-320
~~-.001~~ -.043 -.017 -.009 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
~~-.026~~ -.024 -.011 -.006 -.004 -.002 -.000 -.000 -.000

Ps 301-309 13.381 13.235 13.368 13.672 14.114 11.723 11.726 11.688 11.719

Ps 201-206 11.412 11.655 11.801 11.732 11.435 11.241

Ps 207-212 14.605 10.747 10.955 14.535 14.722 14.514

Ps 213-224 n.g. n.g. ~~n.g.~~ n.g. n.g. 10.238 10.523 10.762 10.951 11.919 11.935 12.025

Ps 225-236 9.652 n.g. n.g. n.g. 9.695 10.269 10.445 10.517 10.549 ~~14.723~~ 11.721 12.044

Ps 237-245 14.729 13.862 12.107 11.058 10.850 11.383 11.306 10.967 11.017

Pcv = 11.546 L = .0392 Pcb = 13.346 Ptc/Pcv = 1.238 Wc = 2.01 T = 64. B = 29.98

Run 11-13 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=. 0.790 0.812

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000 .999 .999 1.000 .999 .988 .997

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.003 -.016 -.002 -.013

Pt/Pto 101-130
.931 .855 .945 .950 1.000 1.000 .952 .858 .960 .982
1.000 1.000 .986 .867 .948 .997 1.000 1.000 .996 .890
.932 1.000 1.000 1.000 .994 .939 .954 .998 1.000 1.000

Ptc = 14.180 Ptc/Pto = .964 K = .1503

Cp 310-320
~~-.001~~ -.046 -.019 -.010 -.007 -.003 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.007 -.029 -.012 -.007 -.004 -.002 -.000 -.000 -.000

Ps 301-309 13.021 12.908 12.942 13.264 13.732 11.516 11.466 11.466 11.575

Ps 201-206 11.340 11.591 11.737 11.669 11.366 11.142

Ps 207-212 14.542 10.803 10.902 14.622 14.514 14.407

Ps 213-224 n.g. n.g. ~~10.305~~ n.g. 9.579 10.264 10.530 10.756 10.923 11.716 11.723 11.893

Ps 225-236 n.g. n.g. n.g. n.g. 10.035 10.292 10.277 10.236 10.228 14.687 11.530 11.907

Ps 237-245 14.694 13.818 12.035 10.939 14.701 11.252 11.143 10.795 10.882

Pcw = 11.474 L = .0419 Pcb = 13.298 Ptc/Pcw = 1.236 Wc = 1.97 T = 72. B = 29.91

Run 11-14 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=.——— ———

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 .999 .999 .989 .997

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.016 -.002 -.013

Pt/Pto 101-130
.932 .853 .948 .956 .999 .999 .930 .853 .963 .983
1.000 .999 .956 .859 .952 .996 1.000 .999 .982 .882
.935 1.000 1.000 1.000 .991 .932 .951 .998 1.000 1.000

Ptc = 14.137 Ptc/Pto = .962 K = .1528

Cp 310-320
~~-.001~~ -.050 -.021 -.011 -.007 -.003 -.000 -.000 -.000 -.000 -.000

Cp 321-329
~~-.007~~ -.028 -.012 -.007 -.004 -.002 -.001 -.000 -.000

Ps 301-309 12.979 12.829 12.896 13.285 13.803 11.484 11.463 11.4[illegible] 11.577

Ps 201-206 11.364 11.592 11.743 11.680 11.374 11.158

Ps 207-212 14.577 10.842 10.925 14.664 14.517 14.424

Ps 213-224 n.g. n.g. ~~9.965~~ n.g. 9.634 10.298 10.560 10.778 10.950 11.660 11.701 11.879

Ps 225-236 n.g. n.g. n.g. n.g. 9.991 10.288 10.284 10.237 10.231 14.687 11.539 11.903

Ps 237-245 14.693 13.866 12.118 11.013 10.759 11.278 11.179 10.829 10.897

Pcw = 11.485 L = .0414 Pcb = 13.325 Ptc/Pcw = 1.231 Wc = 1.96 T = 70. B = 29.91

Run 11-15 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=. ~~[illegible]~~ ~~[illegible]~~

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999	.999	.999	.998	.989	.997

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.016	-.002	-.013

Pt/Pto 101-130

.932	.854	.946	.959	.999	.999	.949	.856	.960	.984
1.000	.999	.980	.864	.951	.998	1.000	1.000	.992	.885
.934	1.000	1.000	1.000	.990	.929	.952	.998	1.000	1.000

Ptc = 14.168 Ptc/Pto = .964 K = .1516

Cp 310-320

~~-.000~~	-.046	-.019	-.011	-.007	-.003	-.000	-.000	-.000	-.000	-.000

Cp 321-329

~~-.008~~	-.029	-.013	-.007	-.004	-.002	-.000	-.000	-.000

Ps 301-309	12.979	12.878	12.920	13.256	13.752	11.428	11.491	11.466	11.584			
Ps 201-206	11.374	11.615	11.761	11.702	11.389	11.160						
Ps 207-212	14.596	10.879	10.947	14.671	14.555	14.441						
Ps 213-224	n.g.	n.g.	~~9.619~~	n.g.	9.586	10.265	10.523	10.741	10.916	11.738	11.738	11.903
Ps 225-236	n.g.	n.g.	n.g.	n.g.	10.004	10.293	10.299	10.258	10.250	14.687	11.542	11.912
Ps 237-245	14.690	13.831	12.057	10.972	10.753	11.291	11.181	10.827	10.905			

Pcw = 11.500 L = .0424 Pcb = 13.348 Ptc/Pcw = 1.232 Wc = 1.97 T = 69. B = 29.91

Run 12-1 C1 I0 S0 B1 Eng 2 =0 =0 m/m*=.474 0.512

Pt/Pto 131-144
.997 1.000 1.000 1.000 .994 .991 1.000 1.000 1.000 .998 .994 .990 .984 .984

Cp 330-344
.149 -.271 -.535 -.420 -.218 .459 -.156 -.507 -.672 -.596 -.488 -.314 -.512 -.260 -.344

Pt/Pto 101-130
.976 .989 .980 .974 1.000 1.000 .999 1.000 .994 .985
1.000 1.000 1.000 1.000 .999 .993 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.926 Ptc/Pto = .996 K = .0259

Cp 310-320
.026 .801 .503 .288 .199 .026 -.146 -.198 -.185 -.136 -.090

Cp 321-329
1.343 .726 .459 .289 .177 .009 -.064 -.118 -.193

Ps 301-309 13.285 13.331 13.519 13.708 13.851 14.004 14.038 14.056 14.061

Ps 201-206 13.992 14.037 14.059 14.032 13.942 13.881

Ps 207-212 13.714 13.739 13.956 13.747 13.722 13.682

Ps 213-224 14.550 13.507 12.020 13.244 13.402 13.697 13.738 13.788 13.831 14.169 14.174 14.145

Ps 225-236 14.409 13.396 12.932 13.011 13.303 13.524 13.554 13.606 13.661 14.754 14.149 14.256

Ps 237-245 14.980 14.657 14.099 13.825 13.797 13.955 13.942 13.838 13.819

Pcw = 13.991 L = .0119 Pcb = 13.727 Ptc/Pcw = 1.067 Wc = 1.28 T = 78. B = 30.02

Run 12-2 C1 IO SC B1 Eng 2 α=-4° β=0° m/m' = [illegible] 0.513

Pt/Pto 131-144
[illegible] 1.000 1.000 [illegible] .995 .992 1.000 1.000 1.000 .999 .995 .991 [illegible] .984

Cp 330-344
[illegible] -.220 -.482 -.394 -.213 .496 -.074 -.419 -.597 -.541 -.449 -.300 -.506 -.242 -.343

Pt/Pto 101-130
.975 .988 .980 .976 1.000 1.000 .999 1.000 .996 .986
1.000 1.000 1.000 1.000 1.000 .995 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.930 Ptc/Pto = .996 K = .0253

Cp 310-320
[illegible] .873 .587 .369 .274 .089 -.114 -.172 -.163 -.129 -.094

Cp 321-329
[illegible] .635 .307 .209 .096 -.052 -.108 -.141 -.190

Ps 301-309 13.296 13.341 13.572 13.784 13.918 14.017 14.051 14.066 14.071

Ps 201-206 13.998 14.047 14.068 14.089 13.950 13.899

Ps 207-212 13.724 13.749 13.768 13.797 13.731 13.693

Ps 213-224 14.145 13.410 [illegible] 13.415 13.372 13.699 13.742 13.794 13.838 14.175 14.172 14.151

Ps 225-236 14.491 13.506 13.029 13.081 13.317 13.597 13.580 13.608 13.680 [illegible] 14.150 14.268

Ps 237-245 14.080 14.058 14.105 13.834 13.806 13.964 13.951 13.848 13.829

Pcw = 13.999 L = .0119 Pcb = 13.737 Ptc/Pcw = 1.000 Ws = 1.28 T = 79. B = 30.02

Run 12-3 C1 IC SO B1 Eig 2 α=-10° β=0° m/m' [illegible] 0.510 0.515

Pt/Pto 131-144

[illegible] 1.000 1.000 [illegible] .997 .993 1.000 1.000 1.000 1.000 .997 .993 [illegible] .984

Cp 330-344

[illegible] -.133 -.388 -.336 -.196 .580 .078 -.255 -.447 -.444 -.308 -...59 -.505 -.208 -.337

Pt/Pto 101-130

.975 .987 .981 .978 1.000 1.000 .996 1.000 .998 .988
1.000 1.000 1.000 1.000 1.000 .997 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.931 Ptc/Pto = .996 K = .0455

Cp 310-320

[illegible] .926 .707 .512 .405 ...01 -.032 -.114 -.123 -.099 -.084

Cp 321-329

[illegible] .515 .231 .087 -.021 -.178 -.190 -.205 -.230

Ps 301-309 13.487 13.383 13.071 13.000 14.009 14.034 14.073 14.086 14.093

Ps 201-206 14.024 14.071 14.092 14.063 13.975 13.917

Ps 207-212 13.755 13.780 13.796 13.780 13.764 13.745

Ps 213-224 14.235 13.234 [illegible] 13.104 13.310 13.608 13.744 13.804 13.852 14.137 14.201 14.17?

Ps 225-236 14.584 13.645 13.150 13.171 13.360 13.608 13.641 13.662 13.712 [illegible] 14.180 14.289

Ps 237-245 14.982 14.684 14.148 13.879 13.847 13.993 13.978 13.977 13.858

Pcw = 14.024 L = .0117 Pcb = 13.768 Ptc/Pcw = 1.065 Wc = 1.26 T = 79. B = 30.02

Run 12-4 C1 I0 S0 B1 Eng 2 α=-20° β=0° m/m* ~~.674~~ 0.514 0.511

Pt/Pto 131-144

~~1.066~~ 1.000 1.000 ~~1.066~~ .999 .996 1.000 1.000 1.000 1.000 1.000 .996 ~~.999~~ .984

Cp 330-344

~~.103~~ -.001 -.218 -.224 -.154 .716 .338 .042 -.134 -.197 -.170 -.149 .465 -.106 -.296

Pt/Pto 101-130

.977 .987 .987 .981 1.000 1.000 .992 1.000 1.000 .994
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.941 Pto/Pto = .997 K = .0433

Cp 310-320

~~1.141~~ 1.012 .897 .734 .635 .423 .132 .028 -.004 -.009 -.030

Cp 321-329

~~1.346~~ .299 .026 -.125 -.235 -.394 -.382 -.361 -.360

Ps 301-309 13.836 13.480 13.873 14.068 14.109 14.051 14.081 14.095 14.097

Ps 201-206 14.027 14.075 14.098 14.068 13.977 13.921

Ps 207-212 13.759 13.783 13.797 13.791 13.769 13.729

Ps 213-224 13.722 12.874 ~~12.4xx~~ 13.032 13.222 13.651 13.724 13.798 13.850 14.199 14.202 14.172

Ps 225-236 14.674 13.804 13.307 13.271 13.438 13.656 13.659 13.693 13.735 ~~14.731~~ 14.184 14.296

Ps 237-245 14.981 14.669 14.133 13.868 13.843 13.905 13.980 13.881 13.862

Pcw = 14.028 L = .0119 Pcb = 13.771 Ptc/Pcw = 1.065 Wc = 1.27 T = 79. B = 30.02

Run 12-5 C1 I0 S0 B1 Eng 2 α=4° β=0° m/m*=~~.974~~ 0.914

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~1.000~~ .992 .990 1.000 1.000 .998 .996 .992 .989 ~~.984~~ .984

Cp 330-344
~~-.145~~ -.322 -.583 -.444 -.222 .418 -.237 -.587 -.736 -.636 -.511 -.315 -.498 -.263 -.329

Pt/Pto 101-130
.978 .989 .981 .974 1.000 1.000 1.000 1.000 .994 .983
1.000 1.000 1.000 1.000 .999 .991 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.927 Ptc/Pto = .996 K = .0267

Cp 310-320
~~-.613~~ .718 .411 .200 .118 -.035 -.175 -.217 -.194 -.136 -.081

Cp 321-329
~~-1.301~~ .805 .547 .362 .247 .072 -.033 -.106 -.190

Ps 301-309 13.344 13.393 13.525 13.487 13.826 14.021 14.003 14.002 14.077

Ps 201-206 14.016 14.061 14.080 14.053 13.965 13.907

Ps 207-212 13.745 13.769 13.784 13.775 13.752 13.715

Ps 213-224 14.663 13.642 ~~12.589~~ 13.314 13.466 13.722 13.766 13.811 13.852 14.187 14.187 14.162

Ps 225-236 14.336 13.315 12.875 12.985 13.335 13.523 13.563 13.619 13.675 ~~14.751~~ 14.163 14.268

Ps 237-245 14.983 14.681 14.139 13.864 13.834 13.983 13.967 13.865 13.847

Pcw = 14.014 L = .0116 Pcb = 13.757 Ptc/Pcw = 1.065 Wc = 1.26 T = 80. B = 30.02

Run 12-6 C1 IC SO B1 Eng 2 α=10° β=0° m/m* = ~~.474~~ 0.512

Pt/Pto 131-144

~~.993~~ .999 .996 ~~1.000~~ .990 .988 .999 .998 .995 .993 .990 .987 ~~.984~~ .983

Cp 330-344

~~+.130~~ -.392 -.636 -.464 -.224 .357 -.038 -.082 -.801 -.668 -.523 -.302 -.482 -.254 -.317

Pt/Pto 101-130

.980 .999 .981 .972 1.000 1.000 1.000 1.000 .992 .981
1.000 1.000 1.000 1.000 .998 .996 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.945 Ptc/Pto = .996 K = .0283

Cp 310-320

~~-.644~~ .628 .307 .099 .030 -.101 -.199 -.226 -.195 -.114 -.061

Cp 321-329

~~1.31~~ .874 .654 .461 .345 .155 -.007 -.111 -.219

Ps 301-309 13.412 13.408 13.492 13.629 13.763 14.007 14.058 14.075 14.079

Ps 301-206 14.068 14.052 14.073 14.047 13.961 13.899

Ps 207-212 13.736 13.759 13.776 13.766 13.744 13.705

Ps 213-224 14.757 13.759 ~~12.765~~ 13.356 13.501 13.715 13.766 13.809 13.848 14.179 14.185 14.156

Ps 225-236 14.165 13.189 12.714 12.801 13.359 13.482 13.531 13.593 13.655 ~~14.746~~ 14.158 14.255

Ps 237-245 14.083 14.676 14.127 13.852 13.821 13.971 13.953 13.896 13.839

Pcw = 14.007 L = .0117 Pcb = 13.748 Ptc/Pcw = 1.066 Mc = 1.27 T = 80. B = 30.02

Run 12-7 C1 I0 S0 B1 Eng 2 α=20° β=0° m/m*= ~~.474~~ 0.510

Pt/Pto 131-144
~~.995~~ .997 .994 ~~.993~~ .989 .988 .998 .997 .994 .992 .989 .986 ~~.983~~ .983

Cp 330-344
~~-.038~~ -.482 -.585 -.477 -.239 .289 -.447 -.766 -.832 -.653 -.487 -.260 -.474 -.226 -.320

Pt/Pto 101-130
.982 .981 .974 .970 1.000 1.000 1.000 .994 .979 .977
1.000 1.000 1.000 .999 .985 .989 1.000 1.000 1.000 1.000
.994 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.894 Ptc/Pto = .994 K = .0308

Cp 310-320
~~-.114~~ .469 .180 -.006 -.052 -.150 -.180 -.193 -.142 -.078 -.054

Cp 321-329
~~-1.345~~ .937 .775 .595 .476 .257 -.001 -.143 -.286

Ps 301-309 13.348 13.306 13.315 13.412 13.546 13.950 14.023 14.031 14.033

Ps 201-206 13.962 14.011 14.030 14.003 13.915 13.850

Ps 207-212 13.680 13.704 13.722 13.709 13.687 13.650

Ps 213-224 14.840 13.875 ~~12.910~~ 13.373 13.502 13.656 13.732 13.773 13.812 14.141 14.142 14.116

Ps 225-236 13.764 12.701 12.381 12.651 13.242 13.388 13.459 13.533 13.612 ~~14.731~~ 14.078 14.183

Ps 237-245 14.983 14.652 14.074 13.790 13.759 13.922 13.908 13.802 13.784

Pcw = 13.962 L = .0121 Pcb = 13.692 Ptc/Pcw = 1.067 Wc = 1.27 T = 81. B = 30.02

Run 12-8 C1 I0 S0 B1 Eng 2 =0 =4 m/m*= .474 0.511

Pt/Pto 131-144
.998 1.000 1.000 1.000 .994 .991 1.000 1.000 1.000 .998 .994 .991 .984 .984

Cp 330-344
.236 -.189 -.485 -.398 -.304 .454 -.163 -.509 -.675 -.595 -.486 -.319 -.521 -.254 -.353

Pt/Pto 101-130
.975 .985 .978 .976 1.000 1.000 .999 1.000 .987 .982
1.000 1.000 1.000 1.000 .996 .990 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.921 Ptc/Pto = .996 K = .0255

Cp 310-320
.026 .797 .512 .287 .197 .021 -.149 -.200 -.185 -.142 -.097

Cp 321-329
1.318 .911 .688 .498 .374 .173 .033 -.047 -.151

Ps 301-309 13.175 13.229 13.382 13.568 13.732 13.978 14.031 14.053 14.057

Ps 201-206 13.990 14.037 14.055 14.030 13.942 13.878

Ps 207-212 13.712 13.736 13.753 13.744 13.718 13.681

Ps 213-224 14.491 13.401 13.023 13.135 13.301 13.631 13.677 13.738 13.789 14.166 14.170 14.142

Ps 225-236 14.050 12.930 12.509 12.707 13.262 13.388 13.451 13.528 13.599 14.754 14.132 14.223

Ps 237-245 14.988 14.701 14.155 13.868 13.825 13.967 13.945 13.836 13.817

Pcw = 13.989 L = .0118 Pcb = 13.724 Ptc/Pcw = 1.067 Wc = 1.27 T = 81. B = 30.03

Run 12-9 C1 IC SO B1 Eng 2 α=0° β=-10° m/m* = ~~1.477~~ 0.513

Pt/Pto 131-144
~~.998~~ .999 1.000 ~~1.006~~ .994 .991 .999 1.000 1.000 .999 .995 .991 ~~.984~~ .983

Cp 330-344
~~-.299~~ -.130 -.464 -.424 -.253 .385 -.206 -.538 -.693 -.618 -.518 -.374 -.624 -.298 -.445

Pt/Pto 101-130
.975 .965 .980 .981 1.000 1.000 .996 .972 .986 .985
1.000 1.000 1.000 .979 .990 .988 1.000 1.000 1.000 .984
.994 .993 1.000 .999 1.000 .994 .998 .999 1.000 1.000

Ptc = 14.869 Ptc/Pto = .992 K = .0352

Cp 310-320
~~-.113~~ .726 .445 .233 .141 -.032 -.209 -.261 -.251 -.213 -.178

Cp 321-329
~~1.336~~ .999 .881 .718 .594 .362 .145 .018 -.109

Ps 301-309 12.678 12.690 12.959 13.211 13.469 13.898 13.957 13.970 13.985

Ps 201-208 13.932 13.977 14.014 13.983 13.885 13.819

Ps 207-214 13.643 13.668 13.689 13.674 13.651 13.614

Ps 215-224 14.346 13.192 ~~13.067~~ 12.931 13.113 13.500 13.551 13.625 13.687 14.105 14.098 14.081

Ps 225-236 13.400 12.243 11.983 12.295 12.976 13.198 13.318 13.448 13.520 ~~14.737~~ 14.007 14.142

Ps 237-245 14.389 14.699 14.139 13.828 13.772 13.909 13.875 13.759 13.744

Pcw = 13.935 L = .0131 Pcb = 13.656 Ptc/Pcw = 1.067 Wc = 1.27 T = 81. B = 30.03

Run 12-10 C1 I0 S0 B1 Eng 2 α=0° β=4° m/m*=.~~[illegible]~~ 0.515

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.000~~ .994 .991 1.000 1.000 1.000 .998 .994 .989 ~~.984~~ .984

Cp 330-344
~~.658~~ -.366 -.539 -.457 -.457 .453 -.161 -.513 -.677 -.599 -.492 -.318 -.523 -.271 -.348

Pt/Pto 101-130
.979 .990 .986 .974 1.000 1.000 1.000 1.000 1.000 .984
1.000 1.000 1.000 1.000 1.000 .995 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.044 Ptc/Pto = .997 K = .0264

Cp 310-320
~~.631~~ .794 .493 .268 .150 .009 -.158 -.216 -.202 -.148 -.104

Cp 321-329
~~1.321~~ .488 .227 .075 -.020 -.143 -.153 -.175 -.232

Ps 301-309 13.558 13.472 13.723 13.921 14.017 14.055 14.082 14.095 14.099

Ps 201-206 14.036 14.079 14.104 14.070 13.986 13.927

Ps 207-212 13.766 13.790 13.805 13.798 13.774 13.737

Ps 213-224 14.621 13.631 ~~13.137~~ 13.374 13.521 13.786 13.819 13.851 13.897 14.208 14.213 14.177

Ps 225-236 14.683 13.817 13.338 13.313 13.491 13.683 13.688 13.719 13.758 ~~14.755~~ 14.191 14.304

Ps 237-245 14.988 14.675 14.132 13.866 13.841 13.996 13.986 13.887 13.869

Pcv = 14.034 L = .0118 Pcb = 13.778 Ptc/Pcv = 1.005 Wc = 1.26 T = 82. B = 30.03

Run 12-11 C1 I0 S0 B1 Eng 2 α=0° β=.0° m/m*=~~.474~~ 0.515

Pt/Pto 131-144
~~.996~~ 1.000 1.000 ~~1.000~~ .994 .991 .999 .999 .999 .997 .992 .987 ~~.984~~ .983

Cp 330-344
~~-.140~~ -.555 -.725 -.552 -.349 .403 -.180 -.532 -.693 -.621 -.517 -.360 -.612 -.333 -.428

Pt/Pto 101-130
.984 .996 .994 .977 1.000 1.000 1.000 1.000 1.000 .990
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.055 Ptc/Pto = .998 K = .0226

Cp 310-320
~~-.057~~ .731 .456 .224 .134 -.034 -.210 -.285 -.273 -.215 -.179

Cp 321-329
~~-1.301~~ .026 -.145 -.265 -.321 -.372 -.293 -.269 -.273

Ps 301-309 13.986 13.703 14.050 14.139 14.155 14.095 14.113 14.128 14.130

Ps 201-206 14.054 14.098 14.127 14.093 14.009 13.953

Ps 207-212 13.795 13.818 13.833 13.826 13.808 13.765

Ps 213-224 14.642 13.708 ~~13.605~~ 13.476 13.612 13.862 13.882 13.915 13.947 14.223 14.232 14.198

Ps 225-236 14.839 14.263 13.790 13.645 13.770 13.812 13.814 13.827 13.849 ~~14.947~~ 14.215 14.330

Ps 237-245 14.989 14.694 14.153 13.888 13.863 14.018 14.008 13.913 13.895

Pcw = 14.056 L = .0117 Pcb = 13.807 Ptc/Pcw = 1.064 Mc = 1.25 T = 82. B = 30.03

Run 12-12 Cl IO SC Bl Eng 2 α=4° β=10° m/m' = ~~.474~~ 0.512

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .990 .999 .999 .998 .995 .990 .986 ~~.983~~ .983

Cp 330-344

~~-.113~~ -.560 -.733 -.535 -.309 .359 -.264 -.616 -.763 -.668 -.544 -.367 -.607 -.323 -.406

Pt/Pto 101-130

.985	.995	.992	.973	1.000	1.000	1.000	1.000	1.000	.982
1.000	1.000	1.000	1.000	1.000	.998	.999	1.000	1.000	1.000
.999	.999	.999	.999	1.000	.999	.999	.999	.999	.999

Ptc = 14.945 Ptc/Pto = .997 K = .0266

Cp 310-320

~~-.105~~ .653 .377 .158 .078 -.080 -.221 -.274 -.257 -.184 -.139

Cp 321-329

~~1.320~~ .171 -.026 -.143 -.210 -.270 -.219 -.217 -.226

Ps 301-309 13.865 13.606 13.936 14.078 14.110 14.075 14.096 14.117 14.120

Ps 201-206 14.056 14.100 14.129 14.092 14.011 13.956

Ps 207-212 13.798 13.822 13.834 13.829 13.807 13.769

Ps 213-224 14.723 13.792 ~~13.298~~ 13.498 13.632 13.846 13.875 13.907 13.937 14.229 14.233 14.200

Ps 225-236 14.856 14.174 13.701 13.578 13.731 13.780 13.795 13.803 13.832 ~~14.744~~ 14.214 14.329

Ps 237-245 14.991 14.723 14.193 13.917 13.879 14.028 14.015 13.917 13.898

Pcw = 14.057 L = .0115 Pcb = 13.810 Ptc/Pcw = 1.063 Wc = 1.25 T = 83. B = 30.03

Run 1[illegible]-13 C1 I0 S0 B1 Eng 2 α=4° β=4° m/m* ~~[illegible]~~ 0.511

Pt/Pto 131-144
~~[illegible]~~ 1.000 .999 ~~[illegible]~~ .992 .990 1.000 1.000 .999 .996 .992 .988 ~~[illegible]~~ .984

Cp 330-344
~~[illegible]~~ -.403 -.633 -.467 -.23[illegible] .407 -.239 -.596 -.744 -.643 -.520 -.322 -.510 -.271 -.334

Pt/Pto 101-130
.981 .990 .985 .972 1.000 1.000 1.000 1.000 .999 .981
1.000 1.000 1.000 1.000 1.000 .992 1.000 .999 1.000 1.000
1.000 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.938 Ptc/Pto = .997 K = .0279

Cp 310-320
~~-.030~~ .719 .401 .191 .1[illegible]2 -.041 -.178 -.225 -.201 -.135 -.083

Cp 321-329
~~[illegible]~~ .566 .335 .166 .068 -.064 -.117 -.147 -.206

Ps 301-309 13.386 13.445 13.650 13.833 13.951 14.041 14.076 14.093 14.095

Ps 201-206 14.031 14.074 14.098 14.066 13.982 13.922

Ps 207-212 13.7[illegible]1 13.78[illegible] 13.801 13.794 13.770 13.733

Ps 213-224 14.708 13.723 ~~[illegible]~~ 13.401 13.54[illegible] 13.777 13.818 13.856 13.[illegible] 14.204 14.209 14.174

Ps 225-236 14.[illegible]18 13.713 13.[illegible] 13.249 13.440 13.655 13.661 13.697 13.740 ~~[illegible]~~ 14.188 14.298

Ps 237-245 14.[illegible]91 14.[illegible] 14.137 13.[illegible] 13.841 13.994 13.983 13.884 13.866

Pcw = 14.029 L = .0118 Pcb = 13.774 Ptc/Pcw = 1.0[illegible]5 Wc = 1.[illegible] T = 83. B = 30.03

Run 12-14 C1 I0 S0 B1 Fig 2 α=4° β=-4° m/m* = ~~.474~~ 0.510

Pt/Pto 131-144
~~.995~~ 1.000 .999 ~~1.000~~ .992 .990 1.000 1.000 .999 .997 .993 .989 ~~.984~~ .984

Cp 330-344
~~-.69~~ -.263 -.552 -.442 -.228 .402 -.248 -.594 -.739 -.636 -.515 -.323 -.504 -.265 -.346

Pt/Pto 101-130
.976 .984 .977 .976 1.000 1.000 .999 .999 .985 .983
1.000 1.000 1.000 1.000 .994 .990 1.000 1.000 1.000 1.000
.999 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.917 Ptc/Pto = .995 K = .0240

Cp 310-320
~~-.048~~ .712 .402 .188 .106 -.051 -.191 -.233 -.214 -.155 -.106

Cp 321-329
~~1.338~~ .934 .725 .538 .413 .208 .037 -.062 -.174

Ps 301-309 13.281 13.279 13.324 13.559 13.702 13.991 14.058 14.084 14.093

Ps 201-206 14.032 14.078 14.092 14.069 13.987 13.926

Ps 207-212 13.765 13.787 13.804 13.795 13.772 13.737

Ps 213-224 14.007 13.543 ~~13.375~~ 13.226 13.377 13.665 13.712 13.770 13.819 14.196 14.201 14.176

Ps 225-236 13.972 12.863 12.477 12.704 13.279 13.407 13.477 13.557 13.633 ~~14.751~~ 14.156 14.242

Ps 237-245 14.989 14.752 14.240 13.950 13.895 14.018 13.969 13.884 13.865

Pcw = 14.031 L = .0111 Pcb = 13.777 Ptc/Pcw = 1.063 Mc = 1.24 T = 83. B = 30.03

Run 12-15 C1 IO SO S1 Eng α=4° β=-10° m/m = ~~.374~~ 0.504 0.513

Pt/Pto 131-144

~~.937~~ 1.000 .999 ~~1.000~~ .993 .990 .999 1.000 1.000 .998 .994 .990 ~~.984~~ .983

Cp 330-344

~~.299~~ -.216 -.546 -.483 -.298 .347 -.284 -.016 -.751 -.656 -.537 -.374 -.611 -.311 -.443

Pt/Pto 101-130

.975 .962 .980 .979 1.000 1.000 .995 .967 .984 .983
1.000 1.000 1.000 .973 .986 .988 1.000 1.000 1.000 .979
.989 .995 1.000 1.000 1.000 .991 .996 1.000 1.000 1.000

Ptc = 14.847 Ptc/Ptc = .991 K = .0386

Cp 310-320

~~.687~~ .658 .370 .183 .052 -.109 -.256 -.304 -.304 -.232 -.109

Cp 321-329

~~1.013~~ 1.002 .902 .732 .611 .374 .126 -.009 -.156

Ps 301-309 12.789 12.766 12.935 13.138 13.365 13.884 13.973 13.987 14.000

Ps 201-206 13.955 14.000 14.039 14.065 13.911 13.847

Ps 207-212 13.675 13.709 13.743 13.764 13.685 13.659

Ps 213-224 14.475 13.341 ~~13.329~~ 13.011 13.183 13.536 13.577 13.645 13.702 14.107 14.103 14.092

Ps 225-236 13.334 12.259 12.113 12.400 12.938 13.192 13.319 13.422 13.507 ~~14.135~~ 14.004 14.131

Ps 237-245 14.086 14.740 14.137 13.880 13.813 13.931 13.891 13.773 13.766

Pcw = 13.959 L = .0129 Pcb = 13.691 Ptc/Pcw = 1.064 Wc = 1.34 T = 83. B = 30.02

Run 12-16 C1 I0 S0 B1 Eng 2 α=-4° β=-10° m/m*= ~~.474~~ 0.507 0.512

Pt/Pto 131-144

~~.999~~ .999 1.000 ~~.999~~ .995 .992 .999 1.000 1.000 .999 .998 .992 ~~.984~~ .983

Cp 330-344

~~.336~~ -.037 -.372 -.352 -.198 .433 -.118 -.446 -.611 -.562 -.474 -.354 -.209 -.263 -.411

Pt/Pto 101-130

.976 .968 .981 .984 1.000 1.000 .995 .977 .987 .986
1.000 1.000 1.000 .983 .991 .987 1.000 1.000 1.000 .987
.995 .993 1.000 1.000 1.000 .996 .999 1.000 1.000 1.000

Ptc = 14.876 Ptc/Pto = .993 K = .0319

Cp 310-320

~~-.131~~ .768 .537 .322 .229 .043 -.153 -.209 -.203 -.181 -.148

Cp 321-329

~~1.079~~ .995 .851 .684 .560 .335 .150 .043 -.074

Ps 301-309 12.750 12.794 13.059 13.332 13.580 13.937 14.016 14.033 14.044

Ps 201-206 13.989 14.035 14.067 14.041 13.951 13.888

Ps 207-212 13.723 13.744 13.763 13.753 13.730 13.694

Ps 213-224 14.242 13.119 ~~13.177~~ 12.936 13.114 13.526 13.582 13.603 13.727 14.156 14.152 14.133

Ps 225-236 13.553 12.399 12.099 12.400 13.061 13.261 13.373 13.488 13.583 ~~14.729~~ 14.069 14.192

Ps 237-245 14.986 14.768 14.256 13.953 13.881 13.990 13.949 13.836 13.818

Pcw = 13.995 L = .0120 Pcb = 13.735 Ptc/Pcw = 1.063 Mc = 1.24 T = 83. B = 30.02

Run 12-17 C1 I0 S0 B1 Eng 2 α=-4° β=-4° m/m'=~~.494~~ 0.511

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.000~~ .995 .992 1.000 1.000 1.000 .999 .996 .992 ~~.984~~ .984

Cp 330-344

~~-.247~~ -.124 -.419 -.354 -.182 .492 -.076 -.417 -.593 -.541 -.448 -.306 -.524 -.234 -.345

Pt/Pto 101-130

.976 .985 .979 .978 1.000 1.000 .997 1.000 .988 .984
1.000 1.000 1.000 1.000 .997 .992 .999 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.924 Ptc/Pto = .996 K = .0240

Cp 310-320

~~-.079~~ .847 .585 .369 .273 .087 -.109 -.167 -.163 -.126 -.087

Cp 321-329

~~1.262~~ .856 .611 .430 .306 .112 .004 -.061 -.146

Ps 301-309 13.194 13.265 13.451 13.648 13.811 14.017 14.077 14.102 14.109

Ps 201-206 14.049 14.096 14.111 14.087 14.006 13.947

Ps 207-212 13.787 13.810 13.826 13.818 13.795 13.759

Ps 213-224 14.394 13.328 ~~13.185~~ 13.140 13.301 13.662 13.711 13.775 13.828 14.213 14.217 14.191

Ps 225-236 14.181 13.092 12.662 12.830 13.324 13.457 13.515 13.586 13.658 ~~14.748~~ 14.185 14.273

Ps 237-245 14.990 14.766 14.269 13.983 13.925 14.041 14.011 13.908 13.887

Pcw = 14.049 L = .01.0 Pcb = 13.799 Ptc/Pcw = 1.062 Wc = 1.24 T = 83. B = 30.03

Run 12-18 C1 I0 S0 B1 Eng 2 α=-4° β=4° m/m$_\infty$=~~.474~~ 0.489

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.000~~ .995 .992 1.000 1.000 1.000 .999 .995 .991 ~~.984~~ .984

Cp 330-344

~~-.031~~ -.330 -.560 -.444 -.261 .497 -.068 -.418 -.597 -.544 -.450 -.303 -.527 -.264 -.362

Pt/Pto 101-130

.977 .989 .988 .975 1.000 1.000 .999 1.000 1.000 .985
1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.943 Ptc/Pto = .997 K = .0251

Cp 310-320

~~-.044~~ .854 .549 .351 .256 .071 -.128 -.135 -.135 -.146 -.119

Cp 321-329

~~-1.282~~ .362 .144 -.019 -.111 -.226 -.214 -.221 -.246

Ps 301-309 13.761 13.494 13.814 14.009 14.077 14.067 14.098 14.116 14.119

Ps 201-206 14.051 14.093 14.119 14.086 14.002 13.945

Ps 207-212 13.786 13.810 13.825 13.818 13.793 13.757

Ps 213-224 14.508 13.520 ~~13.659~~ 13.338 13.483 13.786 13.819 13.865 13.905 14.220 14.225 14.134

Ps 225-236 14.735 13.901 13.418 13.368 13.540 13.717 13.713 13.742 13.779 ~~14.758~~ 14.205 14.318

Ps 237-245 14.989 14.697 14.167 13.300 13.870 14.018 14.004 13.907 13.888

Pcw = 14.049 L = .0116 Pcb = 13.798 Ptc/Pcw = 1.064 Wc = 1.25 T = 83. B = 30.03

Run 12-19 C1 I0 S0 B1 Eng 2 =-4 =10 m/m*=.474 0.513

Pt/Pto 131-144
.999 1.000 1.000 1.000 .995 .992 .999 .999 .999 .998 .994 .989 .985 .983

Cp 330-344
.180 -.535 -.710 -.564 -.386 .449 -.094 -.438 -.615 -.567 -.479 -.350 -.621 -.334 -.447

Pt/Pto 101-130
.981 .996 .997 .980 1.000 1.000 1.000 1.000 1.000 .996
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.963 Ptc/Pto = .998 K = .0198

Cp 310-320
.092 .813 .538 .298 .201 .016 -.192 -.278 -.276 -.232 -.216

Cp 321-329
1.202 -.153 -.267 -.384 -.437 -.480 -.378 -.335 -.340

Ps 301-309 14.101 13.747 14.090 14.169 14.175 14.101 14.113 14.128 14.130

Ps 201-206 14.057 14.097 14.126 14.097 14.008 13.953

Ps 207-212 13.795 13.817 13.833 13.826 13.803 13.765

Ps 213-224 14.524 13.587 13.292 13.424 13.561 13.851 13.869 13.907 13.940 14.228 14.232 14.197

Ps 225-236 14.904 14.319 13.844 13.678 13.801 13.828 13.820 13.830 13.851 14.741 14.215 14.332

Ps 237-245 14.988 14.690 14.153 13.887 13.862 14.016 14.010 13.914 13.895

Pcw - 14.056 L = .0116 Pcb = 13.806 Ptc/Pcw = 1.064 Wc = 1.26 T = 83. B = 30.03

Run 12-20 C1 IC SO B1 Eng 2 α=0° β=0° m/m'=.474 0.513

Pt/Pto 131-144
~~.997~~ 1.000 1.000 ~~1.000~~ .994 .991 1.000 1.000 1.000 .993 .994 .990 ~~.984~~ .984

Cp 330-344
~~-.159~~ -.269 -.532 -.418 -.214 .462 -.153 -.504 -.070 -.591 -.484 -.307 -.500 -.252 -.331

Pt/Pto 101-130
.977 .980 .980 .976 1.000 1.000 .999 1.000 .994 .994
1.000 1.000 1.000 1.000 .999 .993 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.031 Ptc/Pto = .996 K = .0243

Cp 310-320
~~-.033~~ .789 .497 .202 .194 .023 -.145 -.198 -.103 -.142 -.087

Cp 321-329
~~1.212~~ .724 .471 .290 .170 .010 -.062 -.114 -.189

Is 301-309 13.319 13.370 13.551 13.736 13.876 14.031 14.073 14.094 14.101

Ps 201-206 14.036 14.079 14.099 14.075 13.990 13.930

Ps 207-212 13.769 13.792 13.808 13.800 13.776 13.740

Ps 213-224 14.576 13.547 ~~13.307~~ 13.285 13.440 13.729 13.770 13.820 13.863 14.206 14.210 14.181

Ps 225-236 14.436 13.437 12.981 13.056 13.334 13.561 13.593 13.645 13.699 ~~14.175~~ 14.185 14.288

Ps 237-245 14.090 14.711 14.183 13.907 13.869 14.010 13.991 13.890 13.871

Pcw = 14.035 L = .0113 Pcb = 13.781 Ptc/Pcw = 1.004 We = 1.25 T = 83. B = 30.03

Run 13-1 C1 I0 S0 E1 Eng 2 α=0° β=0° m/m*=~~.620~~ 0.660

Pt/Pto 131-144

~~.997~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 .999 .997 .993 .989 ~~.980~~ .982

Cp 330-344

~~-.117~~ -.286 -.559 -.461 -.289 .444 -.176 -.532 -.709 -.646 -.550 -.476 -.908 -.392 -.673

Pt/Pto 101-130

.953 .973 .963 .962 1.000 1.000 .994 .999 .977 .961
1.000 1.000 1.000 1.000 .993 .972 1.000 1.000 1.000 1.000
1.000 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.666 Ptc/Pto = .991 K = .0471

Cp 310-320

~~-.030~~ .961 .743 .512 .389 .156 -.097 -.164 -.162 -.123 -.083

Cp 321-329

~~-.435~~ .922 .682 .478 .340 .124 -.005 -.076 -.165

Ps 301-309 11.825 11.757 11.969 12.286 12.584 13.041 13.113 13.125 13.130

Ps 201-206 12.984 13.076 13.111 13.067 12.925 12.806

Ps 207-212 12.483 12.530 12.561 12.536 12.487 12.423

Ps 213-224 13.350 11.743 ~~10.835~~ ~~11.495~~ 11.742 12.407 12.489 12.598 12.685 13.321 13.324 13.277

Ps 225-236 13.307 11.609 10.810 11.026 11.916 12.084 12.167 12.280 12.394 ~~14.564~~ 13.272 13.442

Ps 237-245 14.789 14.226 13.221 12.703 12.645 12.941 12.923 12.732 12.702

Pcw = 12.995 L = .0208 Pcb = 12.503 Ptc/Pcw = 1.129 Wc = 1.62 T = 97. B = 29.64

Run 13-2 C1 I0 S0 B1 Eng 2 α=-4° β=0° m/m*=~~.620~~ 0.659

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .994 .991 .999 1.000 1.000 .999 .995 .990 ~~.981~~ .982

Cp 330-344

~~.117~~ -.233 -.510 -.433 -.281 .496 -.086 -.443 -.634 -.594 -.513 -.465 -.915 -.381 -.683

Pt/Pto 101-130

.955 .974 .964 .963 1.000 1.000 .992 1.000 .979 .963
1.000 1.000 1.000 1.000 .995 .976 1.000 1.000 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.672 Ptc/Pto = .992 K = .0450

Cp 310-320

~~-.035~~ .990 .791 .588 .462 .220 -.061 -.139 -.147 -.119 -.092

Cp 321-329

~~.495~~ .884 .619 .406 .267 .050 -.047 -.106 -.174

Ps 301-309 11.839 11.844 12.054 12.381 12.683 13.081 13.145 13.154 13.159

Ps 201-206 13.015 13.108 13.144 13.101 12.957 12.842

Ps 207-212 12.528 12.575 12.602 12.581 12.531 12.468

Ps 213-224 13.172 11.628 ~~10.925~~ ~~11.491~~ 11.728 12.430 12.519 12.629 12.718 13.349 13.357 13.306

Ps 225-236 13.453 11.789 10.983 11.160 11.971 12.156 12.229 12.333 12.441 ~~14.562~~ 13.311 13.481

Ps 237-245 14.787 14.238 13.259 12.750 12.691 12.978 12.960 12.774 12.741

Pcv = 13.028 L = .0206 Pcb = 12.548 Ptc/Pcv = 1.126 Wc = 1.61 T = 97. B = 29.64

Run 13-3 C1 I0 80 B1 Eng 2 α=-10° β=0° m/m*=~~.620~~ 0.661

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.000~~ .996 .992 .999 1.000 1.000 1.000 .997 .992 ~~.981~~ .982

Cp 330-344

~~.125~~ -.156 -.421 -.383 -.269 .566 .052 -.293 -.497 -.491 -.442 -.442 -.937 -.359 -.694

Pt/Pto 101-130

.956 .975 .964 .963 1.000 1.000 .990 1.000 .983 .964
1.000 1.000 1.000 1.000 .998 .979 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.867 Ptc/Pto = .992 K = .0445

Cp 310-320

~~-.074~~ .998 .914 .704 .581 .331 .009 -.086 -.106 -.096 -.085

Cp 321-329

~~-1.448~~ .814 .508 .291 .150 -.065 -.137 -.175 -.211

Ps 301-309 11.972 11.992 12.216 12.565 12.887 13.222 13.270 13.283 13.280

Ps 201-206 13.122 13.232 13.268 13.218 13.072 12.945

Ps 207-212 12.628 12.677 12.705 12.682 12.632 12.563

Ps 213-224 12.919 11.425 ~~13.498~~ 11.450 11.767 12.492 12.608 12.733 12.831 13.484 13.492 13.436

Ps 225-236 13.723 12.028 11.168 11.303 12.117 12.283 12.351 12.450 12.556 ~~14.736~~ 13.454 13.640

Ps 237-245 14.975 14.389 13.359 12.839 12.782 13.092 13.071 12.880 12.848

Pcv = 13.143 L = .0217 Pcb = 12.648 Ptc/Pcv = 1.131 Wc = 1.71 T = 58. B = 30.02

Run 13-4 C1 I0 S0 E1 Eng 2 α=-20° β=0° m/m*=~~.610~~ 0.663

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ .999 .995 1.000 1.000 1.000 1.000 .999 .995 ~~.981~~ .982

Cp 330-344
~~.091~~ -.012 -.238 -.255 -.212 .702 .318 .016 -.200 -.245 -.236 -.320 -.885 -.241 -.631

Pt/Pto 101-130
.955 .974 .965 .962 1.000 1.000 .982 1.000 .990 .970
1.000 1.000 1.000 1.000 .999 .988 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.877 Ptc/Pto = .993 K = .0453

Cp 310-320
~~-.137~~ .896 1.005 .868 .767 .531 .175 .062 .016 -.004 -.028

Cp 321-329
~~-1.420~~ .638 .306 .083 -.061 -.282 -.322 -.324 -.338

Ps 301-309 12.182 12.102 12.372 12.758 13.073 13.258 13.294 13.312 13.312

Ps 201-206 13.133 13.257 13.297 13.246 13.096 12.972

Ps 207-212 12.661 12.710 12.736 12.715 12.666 12.599

Ps 213-224 12.169 10.942 ~~13.189~~ 11.265 11.938 12.449 12.607 12.745 12.849 13.507 13.507 13.457

Ps 225-236 13.903 12.282 11.412 11.481 12.168 12.370 12.420 12.507 12.603 ~~14.728~~ 13.480 13.676

Ps 237-245 14.976 14.403 13.391 12.876 12.821 13.121 13.098 12.910 12.878

Pcv = 13.167 L = .0219 Pcb = 12.681 Ptc/Pcv = 1.130 Wc = 1.71 T = 60. B = 30.02

Run 13-5 C1 I0 S0 B1 Eng 2 α=4° β=0° m/m*= ~~.610~~ 0.662

Pt/Pto 131-144

~~.995~~ 1.000 .998 ~~1.000~~ .991 .988 .999 .999 .998 .996 .992 .987 ~~.979~~ .981

Cp 330-344

~~-.130~~ -.340 -.613 -.489 -.305 .401 -.256 -.615 -.770 -.686 -.578 -.489 -.915 -.404 -.678

Pt/Pto 101-130

.953	.972	.962	.961	1.000	1.000	.996	.999	.974	.959
1.000	1.000	1.000	1.000	.990	.970	1.000	1.000	1.000	1.000
.999	.985	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.844 Ptc/Pto = .991 K = .0476

Cp 310-320

~~-.043~~ .948 .700 .457 .335 .107 -.125 -.187 -.175 -.128 -.083

Cp 321-329

~~-1.401~~ .969 .755 .548 .410 .184 .024 -.069 -.171

Ps 301-309 11.923 11.825 12.029 12.339 12.643 13.174 13.251 13.262 13.257

Ps 201-206 13.102 13.209 13.248 13.197 13.053 12.921

Ps 207-212 12.599 12.651 12.679 12.657 12.606 12.539

Ps 213-224 13.656 11.979 ~~13.019~~ 11.640 11.891 12.531 12.614 12.723 12.812 13.461 13.468 13.417

Ps 225-236 13.310 11.554 10.759 11.020 11.990 12.164 12.260 12.382 12.505 ~~14.746~~ 13.396 13.577

Ps 237-245 14.978 14.394 13.352 12.819 12.759 13.068 13.046 12.851 12.822

Pcw = 13.122 L = .0220 Pcb = 12.622 Ptc/Pcw = 1.131 Wc = 1.70 T = 62. B = 30.02

Run 13-6 C1 I0 S0 B1 Eng 2 α=10° β=0° m/m*= ~~.611~~ 0.662

Pt/Pto 131-144

~~.993~~ .999 .996 ~~.999~~ .990 .987 .999 .998 .995 .993 .989 .985 ~~.978~~ .980

Cp 330-344

~~-.111~~ -.413 -.675 -.519 -.320 .343 -.363 -.721 -.852 -.731 -.603 -.489 -.916 -.409 -.679

Pt/Pto 101-130

.953 .964 .964 .957 1.000 1.000 .997 .991 .972 .957
1.000 1.000 1.000 .997 .984 .969 1.000 1.000 1.000 .999
.997 .985 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.820 Ptc/Pto = .989 K = .0472

Cp 310-320

~~-.107~~ .895 .606 .368 .252 .043 -.151 -.199 -.185 -.113 -.064

Cp 321-329

~~-1.431~~ .974 .821 .634 .500 .261 .042 -.081 -.206

Ps 301-309 11.861 11.735 11.876 12.176 12.485 13.132 13.220 13.232 13.223

Ps 201-206 13.077 13.181 13.225 13.170 13.025 12.891

Ps 207-212 12.567 12.617 12.647 12.619 12.572 12.505

Ps 213-224 13.857 12.154 ~~12.857~~ 11.687 11.937 12.524 12.597 12.699 12.785 13.431 13.436 13.388

Ps 225-236 13.050 11.294 10.552 10.873 11.877 12.107 12.216 12.350 12.483 ~~14.729~~ 13.327 13.527

Ps 237-245 14.972 14.382 13.324 12.786 12.722 13.034 13.010 12.814 12.787

Pcw = 13.095 L = .0225 Pcb = 12.588 Ptc/Pcw = 1.132 Wc = 1.70 T = 64. B = 30.01

Run 13-7 C1 I0 S0 B1 Eng 2 α=20° β=0° m/m*=~~.610~~ 0.661

Pt/Pto 131-144

~~.992~~	.997	.995	~~.999~~	.989	.987	.999	.998	.995	.992	.989	.985	~~.978~~	.980

Cp 330-344

~~-.058~~	-.507	-.726	-.532	-.337	.278	-.474	-.806	-.884	-.718	-.565	-.435	-.889	-.375	-.667

Pt/Pto 101-130

.955	.948	.963	.962	1.000	1.000	.999	.966	.973	.959
1.000	1.000	1.000	.976	.980	.966	1.000	1.000	1.000	.986
.990	.982	1.000	1.000	1.000	.998	.999	1.000	1.000	1.000

Ptc = 14.783 Ptc/Pto = .987 K = .0530

Cp 310-320

~~-.153~~	.816	.504	.273	.172	-.007	-.135	-.165	-.124	-.072	-.049

Cp 321-329

~~-1.421~~	.921	.886	.717	.594	.338	.035	-.128	-.282

Ps 301-309 11.599 11.455 11.606 11.978 12.368 13.078 13.164 13.162 13.164

Ps 201-206 13.029 13.117 13.189 13.129 12.970 12.835

Ps 207-212 12.499 12.546 12.591 12.554 12.506 12.439

Ps 213-224 14.086 12.372 ~~12.753~~ 11.742 11.989 12.504 12.567 12.660 12.741 13.375 13.374 13.333

Ps 225-236 12.574 10.879 10.282 10.714 11.765 12.051 12.186 12.341 12.486 ~~14.723~~ 13.228 13.442

Ps 237-245 14.979 14.375 13.285 12.723 12.652 12.969 12.940 12.736 12.716

Pcw = 13.045 L = .0240 Pcb = 12.523 Ptc/Pcw = 1.133 Wc = 1.70 T = 65. B = 30.02

Run 13-8 C1 I0 S0 B1 Eng 2 α=0° β=-4° m/m*= ~~.610~~ 0.662

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 1.000 .998 .994 .989 ~~.979~~ .981

Cp 330-344

~~-.215~~ -.219 -.526 -.453 -.294 .433 -.191 -.546 -.722 -.658 -.567 -.501 -.949 -.411 -.718

Pt/Pto 101-130

.954 .956 .968 .964 1.000 1.000 .994 .980 .977 .958
1.000 1.000 1.000 .990 .985 .973 1.000 1.000 1.000 .996
.996 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.823 Ptc/Pto = .989 K = .0463

Cp 310-320

~~-.092~~ .895 .699 .490 .375 .142 -.114 -.180 -.175 -.144 -.101

Cp 321-329

~~-1.483~~ .969 .803 .636 .504 .260 .075 -.025 -.142

Ps 301-309 11.691 11.542 11.820 12.229 12.596 13.115 13.217 13.224 13.222

Ps 201-206 13.085 13.187 13.242 13.184 13.039 12.906

Ps 207-212 12.584 12.632 12.666 12.635 12.587 12.522

Ps 213-224 13.410 11.733 ~~12.595~~ 11.474 11.736 12.449 12.546 12.667 12.764 13.440 13.441 13.395

Ps 225-236 12.992 11.199 10.460 10.818 11.826 12.074 12.198 12.350 12.497 ~~14.739~~ 13.324 13.525

Ps 237-245 14.976 14.406 13.369 12.830 12.758 13.055 13.025 12.826 12.799

Pcw = 13.107 L = .0227 Pcb = 12.604 Ptc/Pcw = 1.131 Wc = 1.69 T = 66. B = 30.02

Run 13-9 C1 I0 S0 B1 Eng 2 α=0° β=-10° m/m*=~~.610~~ 0.659

Pt/Pto 131-144

~~.998~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .999 .994 .990 ~~.979~~ .981

Cp 330-344

~~.286~~ -.150 -.501 -.477 -.347 .372 -.228 -.573 -.739 -.677 -.588 -.548 -1.032 -.453 -.813

Pt/Pto 101-130

.953 .930 .962 .970 1.000 1.000 .991 .938 .972 .962
1.000 1.000 1.000 .946 .979 .978 1.000 1.000 1.000 .958
.984 .995 1.000 1.000 1.000 .983 .994 1.000 1.000 1.000

Ptc = 14.729 Ptc/Pto = .983 K = .0715

Cp 310-

~~-.149~~ .772 .613 .413 .297 .074 -.173 -.237 -.239 -.206 -.181

Cp 321-329

~~-1.419~~ .937 .950 .819 .695 .440 .189 .047 -.094

Ps 301-309 11.053 14.738 11.271 11.905 12.442 12.942 13.033 13.050 13.080

Ps 201-206 12.960 13.053 13.136 13.083 12.912 12.773

Ps 207-212 12.433 12.500 12.540 12.474 12.429 12.370

Ps 213-224 13.231 11.495 ~~12.331~~ 11.219 11.509 12.267 12.372 12.506 12.610 13.305 13.294 13.267

Ps 225-236 12.207 10.442 9.933 10.472 11.563 11.901 12.056 12.203 12.323 ~~14.727~~ 13.122 13.354

Ps 237-245 14.974 14.351 13.244 12.666 12.586 12.900 12.865 12.652 12.641

Pcv = 12.986 L = .0246 Pcb = 12.458 Ptc/Pcv = 1.134 Wc = 1.70 T = 68. B = 30.02

Run 13-10 C1 I0 S0 B1 Eng 2 α=0° β=4° m/m*=~~.620~~ 0.661

Pt/Pto 131-144

~~.991~~ 1.000 1.000 ~~1.000~~ .993 .990 .999 1.000 .999 .998 .993 .988 ~~.980~~ .982

Cp 330-344

~~.033~~ -.390 -.630 -.505 -.325 .436 -.181 -.547 -.726 -.663 -.568 -.502 -.952 -.423 -.704

Pt/Pto 101-130

.953 .980 .968 .957 1.000 1.000 .996 1.000 .994 .960
1.000 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.872 Ptc/Pto = .993 K = .0481

Cp 310-320

~~-.035~~ .999 .788 .525 .399 .155 -.110 -.187 -.182 -.141 -.107

Cp 321-329

~~-1.367~~ .815 .521 .302 .172 -.021 -.093 -.139 -.204

Ps 301-309 12.103 12.107 12.285 12.594 12.883 13.242 13.298 13.308 13.305

Ps 201-206 13.152 13.249 13.294 13.233 13.091 12.967

Ps 207-212 12.651 12.700 12.725 12.704 12.657 12.588

Ps 213-224 13.558 11.968 ~~12.257~~ 11.735 11.984 12.617 12.699 12.800 12.882 13.500 13.510 13.455

Ps 225-236 13.873 12.246 11.402 11.489 12.180 12.375 12.425 12.509 12.604 ~~14.744~~ 13.475 13.674

Ps 237-245 14.976 14.393 13.363 12.845 12.795 13.106 13.090 12.903 12.871

Pcw = 13.164 L = .0220 Pcb = 12.671 Ptc/Pcw = 1.130 Wc = 1.69 T = 70. B = 30.02

Run 13-11 C1 I0 S0 B1 Eng 2 α=0° β=10° m/m*=~~.610~~ 0.660

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~.999~~ .993 .990 .999 .999 .998 .997 .992 .986 ~~.978~~ .981

Cp 330-344

~~-.155~~ -.568 -.753 -.592 -.411 .389 -.205 -.565 -.741 -.679 -.589 -.539 -1.034 -.469 -.753

Pt/Pto 101-130

.956 .983 .982 .954 1.000 1.000 .998 1.000 1.000 .967
1.000 1.000 1.000 1.000 1.000 .982 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.894 Ptc/Pto = .994 K = .0463

Cp 310-320

~~-.083~~ .979 .739 .490 .362 .116 -.160 -.246 -.249 -.206 -.182

Cp 321-329

~~-1.355~~ .516 .201 .005 -.103 -.239 -.223 -.231 -.248

Ps 301-309 12.214 12.210 12.511 12.871 13.117 13.272 13.316 13.341 13.341

Ps 201-206 13.202 13.283 13.337 13.273 13.126 13.009

Ps 207-212 12.700 12.746 12.772 12.751 12.708 12.639

Ps 213-224 13.595 12.071 ~~12.212~~ 11.869 12.115 12.699 12.771 12.862 12.935 13.531 13.544 13.485

Ps 225-236 14.346 12.925 12.065 11.963 12.327 12.594 12.589 12.638 12.704 ~~14.734~~ 13.508 13.723

Ps 237-245 14.980 14.463 13.457 12.925 12.860 13.155 13.133 12.949 12.917

Pcw = 13.205 L = .0220 Pcb = 12.719 Ptc/Pcw = 1.128 Wc = 1.68 T = 71. B = 30.02

Run 13-12 C1 I0 S0 B1 Eng 2 α=4° β=10° m/m*=~~.620~~ 0.662

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 .999 .998 .995 .991 .985 ~~.978~~ .980

Cp 330-344
~~-.123~~ -.578 -.763 -.577 -.374 .344 -.286 -.649 -.808 -.721 -.618 -.546 -1.029 -.462 -.730

Pt/Pto 101-130
.959 .984 .980 .953 1.000 1.000 .999 1.000 1.000 .964
1.000 1.000 1.000 1.000 1.000 .979 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.891 Ptc/Pto = .994 K = .0481

Cp 310-320
~~-.083~~ .981 .710 .442 .317 .080 -.169 -.239 -.234 -.176 -.140

Cp 321-329
~~-1.367~~ .635 .328 .119 .006 -.137 -.151 -.176 -.203

Ps 301-309 12.131 12.177 12.427 12.754 13.014 13.251 13.310 13.337 13.338

Ps 201-206 13.196 13.278 13.330 13.266 13.121 13.001

Ps 207-212 12.690 12.737 12.765 12.744 12.699 12.632

Ps 213-224 13.758 12.194 ~~12.185~~ 11.898 12.140 12.697 12.761 12.848 12.919 13.524 13.538 13.479

Ps 225-236 14.247 12.778 11.922 11.858 12.277 12.539 12.548 12.604 12.676 ~~14.734~~ 13.501 13.713

Ps 237-245 14.981 14.479 13.475 12.934 12.860 13.152 13.127 12.940 12.909

Pcw = 13.199 L = .0221 Pcb = 12.711 Ptc/Pcw = 1.128 Wc = 1.68 T = 72. B = 30.02

Run 13-13 C1 I0 S0 B1 Eng 2 α=4° β=4° m/m*=~~.620~~ 0.664 0.660

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 1.000 .999 .996 .992 .987 ~~.979~~ .981

Cp 330-344
~~.050~~ -.424 -.665 -.513 -.317 .397 -.264 -.631 -.793 -.705 -.597 -.505 -.949 -.423 -.691

Pt/Pto 101-130
.954 .980 .969 .955 1.000 1.000 .997 1.000 .993 .958
1.000 1.000 1.000 1.000 .999 .972 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.868 Ptc/Pto = .992 K = .0470

Cp 310-320
~~-.026~~ .991 .744 .469 .344 .114 -.127 -.193 -.178 -.128 -.082

Cp 321-329
~~-1.365~~ .898 .625 .391 .257 .055 -.045 -.109 -.187

Ps 301-309 12.151 12.098 12.232 12.511 12.790 13.230 13.295 13.315 13.311

Ps 201-206 13.160 13.254 13.297 13.237 13.096 12.974

Ps 207-212 12.659 12.706 12.732 12.710 12.665 12.597

Ps 213-224 13.719 12.096 ~~12.154~~ 11.773 12.017 12.620 12.694 12.793 12.874 13.501 13.512 13.459

Ps 225-236 13.747 12.091 11.261 11.389 12.161 12.332 12.393 12.484 12.584 ~~14.745~~ 13.475 13.669

Ps 237-245 14.978 14.420 13.399 12.873 12.814 13.116 13.096 12.908 12.876

Pcv = 13.170 L = .0217 Pcb = 12.678 Ptc/Pcv = 1.129 Wc = 1.68 T = 72. B = 30.02

Run 13-14 C1 I0 S0 B1 Fig 2 α=4° β=-4° m/m*=.620 0.661

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 1.000 .999 .997 .992 .988 ~~.979~~ .981

Cp 330-344

~~-.194~~ -.285 -.588 -.497 -.324 .387 -.272 -.632 -.790 -.703 -.594 -.509 -.952 -.425 -.727

Pt/Pto 101-130

.954	.951	.967	.963	1.000	1.000	.996	.972	.977	.957
1.000	1.000	1.000	.981	.984	.971	1.000	1.000	1.000	.991
.993	.989	1.000	1.000	1.000	.999	1.000	1.000	1.000	1.000

Ptc = 14.804 Ptc/Pto = .988 K = .0495

Cp 310-320

~~-.070~~ .900 .680 .429 .308 .084 -.149 -.206 -.196 -.151 -.108

Cp 321-329

~~-1.370~~ .992 .882 .688 .554 .303 .085 -.035 -.158

Ps 301-309 11.623 11.438 11.706 12.141 12.527 13.080 13.181 13.191 13.190

Ps 201-206 13.051 13.149 13.215 13.153 13.004 12.871

Ps 207-212 12.540 12.589 12.626 12.590 12.543 12.478

Ps 213-224 13.570 11.856 ~~12.095~~ 11.500 11.763 12.438 12.526 12.642 12.736 13.407 13.406 13.362

Ps 225-236 12.834 11.056 10.359 10.754 11.754 12.033 12.165 12.323 12.476 ~~14.739~~ 13.276 13.483

Ps 237-245 14.976 14.388 13.330 12.777 12.706 13.012 12.986 12.782 12.757

Pcv = 13.074 L = .0232 Pcb = 12.561 Ptc/Pcv = 1.132 Wc = 1.69 T = 72. B = 30.02

Run 13-15 C1 I0 S0 B1 Eng 2 α=4° β=-10° m/m*=~~.610~~ 0.661 0.659

Pt/Pto 131-144

~~.997~~ .999 .999 ~~.999~~ .992 .989 .999 1.000 .999 .997 .993 .989 ~~.978~~ .980

Cp 330-344

~~-.041~~ -.241 -.585 -.543 -.401 .331 -.309 -.652 -.803 -.719 -.615 -.555 -1.035 -.473 -.829

Pt/Pto 101-130

.951 .924 .958 .974 1.000 1.000 .990 .930 .968 .965
1.000 1.000 1.000 .937 .976 .975 1.000 1.000 1.000 .949
.981 .993 1.000 1.000 .999 .978 .991 1.000 1.000 1.000

Ptc = 14.702 Ptc/Pto = .981 K = .0776

Cp 310-320

~~-.157~~ .746 .541 .333 .220 .003 -.220 -.282 -.294 -.230 -.204

Cp 321-329

~~-1.369~~ .898 .946 .829 .711 .452 .169 .013 -.144

Ps 301-309 11.032 14.678 11.174 11.809 12.325 12.883 12.968 12.981 13.012

Ps 201-206 12.908 13.005 13.084 13.039 12.853 12.713

Ps 207-212 12.364 12.446 12.480 12.403 12.359 12.296

Ps 213-224 13.395 11.611 ~~11.923~~ 11.229 11.518 12.244 12.335 12.461 12.561 13.246 13.232 13.213

Ps 225-236 12.027 10.312 9.916 10.427 11.548 11.859 11.985 12.108 12.215 ~~14.723~~ 13.053 13.291

Ps 237-245 14.975 14.321 13.173 12.578 12.498 12.827 12.791 12.571 12.567

Pcw = 12.934 L = .0253 Pcb = 12.391 Ptc/Pcw = 1.137 Wc = 1.70 T = 74. B = 30.02

Run 13-16 C1 I0 S0 B1 Eng 2 α=-4° β=-10° m/m*=~~.610~~ 0.658

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .994 .990 .999 1.000 1.000 .999 .996 .991 ~~.979~~ .981

Cp 330-344

~~.325~~ -.056 -.405 -.403 -.290 .421 -.138 -.477 -.656 -.621 -.547 -.534 -1.041 -.423 -.805

Pt/Pto 101-130

.953 .934 .965 .969 1.000 1.000 .989 .945 .975 .961
1.000 1.000 1.000 .954 .981 .980 1.000 1.000 1.000 .964
.987 .996 1.000 1.000 1.000 .988 .997 1.000 1.000 1.000

Ptc = 14.752 Ptc/Pto = .985 K = .0670

Cp 310-320

~~-.149~~ .806 .701 .504 .387 .158 -.111 -.182 -.188 -.175 -.149

Cp 321-329

~~-1.358~~ .968 .950 .799 .668 .420 .196 .070 -.056

Ps 301-309 11.004 14.729 11.277 11.939 12.507 12.960 13.054 13.077 13.098

Ps 201-206 12.970 13.060 13.146 13.089 12.924 12.787

Ps 207-212 12.444 12.501 12.542 12.486 12.442 12.381

Ps 213-224 12.979 11.283 ~~11.815~~ 11.118 11.423 12.232 12.353 12.496 12.606 13.326 13.314 13.281

Ps 225-236 12.309 10.500 9.911 10.429 11.525 11.870 12.031 12.202 12.344 ~~14.722~~ 13.153 13.382

P 237-245 14.976 14.375 13.284 12.705 12.621 12.927 12.890 12.674 12.659

.. = 12.996 L = .0244 Pcb = 12.466 Ptc/Pcw = 1.135 Wc = 1.69 T = 75. B = 30.02

306

Run 13-17 C1 I0 S0 B1 Eng 2 α=-4° β=-4° m/m*=~~.630~~ 0.660

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .994 .991 .999 1.000 1.000 .999 .995 .990 ~~.980~~ .982

Cp 330-344

~~-.230~~ -.147 -.455 -.405 -.267 .477 -.102 -.452 -.641 -.603 -.525 -.486 -.958 -.390 -.714

Pt/Pto 101-130

.956 .959 .968 .964 1.000 1.000 .992 .988 .976 .960
1.000 1.000 1.000 .996 .986 .975 1.000 1.000 1.000 .999
.997 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.839 Ptc/Pto = .990 K = .0450

Cp 310-320

~~-.074~~ .950 .797 .574 .446 .213 -.076 -.141 -.145 -.124 -.092

Cp 321-329

~~-1.324~~ .989 .797 .592 .451 .213 .056 -.031 -.125

Ps 301-309 11.751 11.626 11.886 12.268 12.628 13.138 13.233 13.245 13.244

Ps 201-206 13.100 13.205 13.249 13.196 13.048 12.922

Ps 207-212 12.596 12.647 12.676 12.647 12.601 12.536

Ps 213-224 13.192 11.556 ~~11.757~~ 11.402 11.672 12.429 12.537 12.666 12.766 13.452 13.454 13.407

Ps 225-236 13.107 11.302 10.526 10.853 11.876 12.089 12.206 12.349 12.490 ~~14.736~~ 13.346 13.545

Ps 237-245 14.979 14.425 13.401 12.857 12.784 13.069 13.044 12.844 12.815

Pcw = 13.120 L = .0220 Pcb = 12.617 Ptc/Pcw = 1.131 Wc = 1.68 T = 75. B = 30.02

Run 13-18 C1 I0 S0 B1 Eng 2 α=-4° β=4° m/m*=~~.620~~ 0.661,, 0.660

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .994 .990 .999 1.000 1.000 .999 .994 .989 ~~.980~~ .982

Cp 330-344

~~.016~~ -.349 -.590 -.488 -.330 .480 -.092 -.452 -.645 -.603 -.527 -.482 -.948 -.409 -.700

Pt/Pto 101-130

.953 .979 .967 .958 1.000 1.000 .994 1.000 .996 .963
1.000 1.000 1.000 1.000 1.000 .978 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.875 Ptc/Pto = .993 K = .0475

Cp 310-320

~~.061~~ 1.005 .835 .586 .459 .211 -.079 -.165 -.174 -.143 -.120

Cp 321-329

~~1.323~~ .718 .457 .209 .078 -.111 -.154 -.184 -.225

Ps 301-309 12.131 12.137 12.358 12.692 12.980 13.267 13.309 13.328 13.327

Ps 201-206 13.184 13.279 13.323 13.264 13.121 13.003

Ps 207-212 12.690 12.739 12.766 12.744 12.696 12.632

Ps 213-224 13.379 11.839 ~~11.745~~ 11.708 11.959 12.624 12.714 12.819 12.904 13.525 13.536 13.480

Ps 225-236 13.992 12.403 11.553 11.599 12.201 12.434 12.474 12.553 12.641 ~~14.740~~ 13.500 13.700

Ps 237-245 14.979 14.424 13.419 12.904 12.847 13.143 13.126 12.940 12.907

Pcw = 13.196 L = .0215 Pcb = 12.711 Ptc/Pcw = 1.127 Wc = 1.67 T = 76. B = 30.02

Run 13-19 C1 I0 S0 B1 Eng 2 α=-4° β=10° m/m*=~~.620~~ 0.662

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .995 .991 .999 .999 .999 .998 .993 .988 ~~.979~~ .981

Cp 330-344
~~-194~~ -.555 -.740 -.604 -.444 .439 -.119 -.474 -.664 -.627 -.552 -.523 -1.024 -.469 -.761

Pt/Pto 101-130
.954 .984 .984 .955 1.000 1.000 .997 1.000 1.000 .968
1.000 1.000 1.000 1.000 1.000 .985 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.893 Ptc/Pto = .994 K = .0463

Cp 310-320
~~-131~~ .936 .788 .541 .407 .156 -.144 -.244 -.259 -.229 -.218

Cp 321-329
~~-1.343~~ .376 .074 -.116 -.225 -.354 -.316 -.298 -.320

Ps 301-309 12.541 12.255 12.626 13.014 13.233 13.292 13.331 13.352 13.355

Ps 201-206 13.215 13.297 13.350 13.287 13.141 13.026

Ps 207-212 12.717 12.763 12.792 12.770 12.724 12.658

Ps 213-224 13.435 11.967 ~~11.760~~ 11.859 12.109 12.717 12.796 12.887 12.961 13.544 13.556 13.497

Ps 225-236 14.438 13.077 12.220 12.079 12.401 12.660 12.647 12.683 12.748 ~~14.727~~ 13.521 13.737

Ps 237-245 14.980 14.445 13.440 12.922 12.865 13.163 13.146 12.964 12.932

Pcw = 13.219 L = .0217 Pcb = 12.737 Ptc/Pcw = 1.127 Wc = 1.66 T = 77. B = 30.02

Run 13-20 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.610~~ 0.662 , 0.659

Pt/Pto 131-144
~~.997~~ 1.000 .999 ~~1.000~~ .993 .990 .999 1.000 .999 .998 .993 .989 ~~.980~~ .982

Cp 330-344
~~-.136~~ -.292 -.567 -.467 -.295 .447 -.176 -.539 -.717 -.654 -.559 -.488 -.920 -.402 -.685

Pt/Pto 101-130
.954 .974 .963 .962 1.000 1.000 .995 .999 .977 .961
1.000 1.000 1.000 1.000 .994 .972 1.000 1.000 1.000 1.000
.999 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.852 Ptc/Pto = .991 K = .0465

Cp 310-320
~~-.044~~ .956 .773 .519 .394 .158 -.100 -.170 -.165 -.128 -.093

Cp 321-329
~~-1.383~~ .921 .677 .477 .339 .119 -.009 -.084 -.169

Ps 301-309 12.009 11.942 12.154 12.468 12.774 13.224 13.299 13.315 13.310

Ps 201-206 13.170 13.270 13.306 13.257 13.114 12.993

Ps 207-212 12.679 12.727 12.753 12.729 12.684 12.620

Ps 213-224 13.527 11.911 ~~11.754~~ 11.668 11.916 12.578 12.670 12.779 12.869 13.512 13.520 13.469

Ps 225-236 13.499 11.785 10.985 11.201 12.107 12.265 12.350 12.464 12.578 ~~14.745~~ 13.465 13.636

Ps 237-245 14.979 14.431 13.433 12.912 12.849 13.137 13.114 12.925 12.894

Pcv = 13.185 L = .0210 Pcb = 12.699 Ptc/Pcv = 1.126 Mc = 1.66 T = 77. B = 30.02

Run 14-1 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=.~~677~~ 0.733

Pt/Pto 131-144
~~.997~~ 1.000 .999 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.978~~ .980

Cp 330-344
~~-.105~~ -.302 -.579 -.488 -.331 .442 -.188 -.555 -.737 -.680 -.592 -.576 -1.165 -.473 -.869

Pt/Pto 101-130
.942 .957 .957 .953 .999 1.000 .991 .995 .969 .952
1.000 1.000 1.000 .999 .986 .964 1.000 1.000 1.000 1.000
.999 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.618 Ptc/Pto = .988 K = .0592

Cp 310-320
~~-.031~~ .973 .855 .606 .474 .218 -.076 -.156 -.157 -.124 -.089

Cp 321-329
~~-.162~~ .982 .780 .552 .409 .167 .018 -.065 -.162

Ps 301-309 10.980 10.830 11.079 11.485 11.878 12.547 12.647 12.658 12.648

Ps 201-206 12.451 12.582 12.634 12.573 12.401 12.232

Ps 207-212 11.814 11.877 11.919 11.886 11.813 11.731

Ps 213-224 12.683 10.767 ~~10.397~~ ~~10.490~~ 10.803 ~~...~~.701 11.818 11.965 12.084 12.904 12.905 12.844

Ps 225-236 12.778 10.696 9.635 9.897 11.078 11.305 11.419 11.574 11.729 ~~14.553~~ 12.808 13.043

Ps 237-245 14.779 14.075 12.791 12.115 12.031 12.422 12.396 12.146 12.115

Pcw = 12.479 L = .0275 Pcb = 11.840 Ptc/Pcw = 1.171 Wc = 1.84 T = 70. B = 29.63

Run 14-2 C1 I0 S0 B1 Eng 2 α=-4° β=0° m/m*=.677 0.732

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .994 .990 .999 1.000 1.000 .999 .995 .990 ~~.979~~ .981

Cp 330-344
~~.102~~ -.246 -.529 -.455 -.317 .487 -.097 -.462 -.659 -.625 -.553 -.558 -1.162 -.455 -.864

Pt/Pto 101-130
.943 .962 .958 .954 1.000 1.000 .989 .998 .970 .954
1.000 1.000 1.000 1.000 .989 .967 1.000 1.000 1.000 1.000
.999 .986 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.624 Ptc/Pto = .989 K = .0574

Cp 310-320
~~-.066~~ .964 .885 .671 .539 .275 -.044 -.127 -.139 -.117 -.094

Cp 321-329
~~-.164~~ .938 .708 .484 .337 .097 -.023 -.092 -.171

Ps 301-309 11.034 10.926 11.213 11.629 12.018 12.590 12.678 12.688 12.679

Ps 201-206 12.491 12.621 12.669 12.611 12.440 12.276

Ps 207-212 11.866 11.928 11.969 11.934 11.865 11.783

Ps 213-224 12.497 10.659 ~~10.412~~ ~~10.502~~ 10.820 11.737 11.861 12.012 12.128 12.939 12.945 12.877

Ps 225-236 12.934 10.891 9.827 10.053 11.182 11.387 11.491 11.637 11.784 ~~14.551~~ 12.861 13.085

Ps 237-245 14.781 14.081 12.818 12.159 12.079 12.464 12.439 12.196 12.162

Pcw = 12.518 L = .0269 Pcb = 11.891 Ptc/Pcw = 1.168 Wc = 1.82 T = 73. B = 29.63

Run 14-3 C1 10 Su B1 Eng 2 α=-10° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~.999~~ .996 .992 .999 1.000 1.000 1.000 .997 .991 ~~.979~~ .981

Cp 330-344
~~.087~~ -.160 -.432 -.399 -.296 .563 .046 -.303 -.514 -.517 -.470 -.520 -1.163 -.421 -.867

Pt/Pto 101-130
.944 .964 .956 .954 .999 1.000 .984 .999 .970 .956
.999 .999 .999 .999 .990 .971 .999 .999 .999 .999
.998 .990 .999 .999 .999 .999 .999 .999 .999 .999

Ptc = 14.624 Ptc/Pto = .989 K = .0564

Cp 310-320
~~-.132~~ .900 .914 .766 .642 .380 .028 -.068 -.095 -.091 -.085

Cp 321-329
~~-.146~~ .830 .565 .370 .219 -.017 -.109 -.157 -.198

Ps 301-309 10.971 10.937 11.234 11.664 12.082 12.585 12.661 12.672 12.666

Ps 201-206 12.478 12.611 12.655 12.599 12.425 12.262

Ps 207-212 11.847 11.913 11.950 11.917 11.845 11.762

Ps 213-224 12.052 10.317 ~~10.397~~ ~~10.345~~ 10.710 11.678 11.821 11.981 12.106 12.930 12.935 12.865

Ps 225-236 13.075 11.032 9.933 10.106 11.177 11.392 11.486 11.626 11.769 ~~14.541~~ 12.876 13.092

Ps 237-245 14.780 14.080 12.813 12.149 12.069 12.453 12.430 12.184 12.148

Pcw = 12.505 L = .0269 Pcb = 11.872 Ptc/Pcw = 1.169 Wc = 1.82 T = 75. B = 29.63

Run 14-4 C1 I0 S0 E1 Eng 2 α=-20° β=0° m/m*=.677 0.733

Pt/Pto 131-144

1.000 1.000 1.000 1.000 .999 .995 1.000 1.000 1.000 1.000 .999 .994 .980 .981

Cp 330-344

.044 -.021 -.249 -.270 -.230 .700 .314 .007 -.212 -.264 -.260 -.391 -1.098 -.301 -.789

Pt/Pto 101-130

.947 .964 .958 .955 1.000 1.000 .974 1.000 .974 .960
1.000 1.000 1.000 1.000 .994 .979 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.639 Ptc/Pto = .990 K = .0530

Cp 310-320

.177 .756 .990 .907 .808 .569 .190 .075 .020 .000 -.034

Cp 321-329

.075 .685 .376 .148 -.006 -.241 -.302 -.313 -.327

Ps 301-309 11.101 11.081 11.389 11.870 12.313 12.655 12.714 12.724 12.724

Ps 201-206 12.497 12.662 12.706 12.650 12.477 12.320

Ps 207-212 11.914 11.980 12.014 11.982 11.915 11.834

Ps 213-224 11.238 9.813 10.386 10.175 10.980 11.658 11.848 12.023 12.153 12.971 12.971 12.914

Ps 225-236 13.295 11.340 10.241 10.344 11.263 11.518 11.592 11.717 11.848 14.588 12.940 13.155

Ps 237-245 14.782 14.104 12.867 12.216 12.137 12.508 12.483 12.246 12.209

Pcw = 12.552 L = .0263 Peb = 11.940 Ptc/Pcw = 1.166 Wc = 1.81 T = 78. B = 29.63

Run 14-5 C1 I0 S0 B1 Eng 2 α=4° β=0° m/m*=.677 0.734

Pt/Pto 131-144

~~.995~~ .999 .999 ~~1.000~~ .991 .988 .999 .999 .998 .996 .991 .987 ~~.977~~ .980

Cp 330-344

~~.100~~ -.352 -.630 -.512 -.339 .398 -.270 -.638 -.801 -.721 -.622 -.574 -1.147 -.474 -.855

Pt/Pto 101-130

.942 .954 .958 .951 1.000 1.000 .993 .991 .968 .950
1.000 .999 1.000 .998 .983 .963 .999 1.000 1.000 .999
.998 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.604 Ptc/Pto = .987 K = .0592

Cp 310-320

~~-.066~~ .947 .767 .539 .408 .158 -.107 -.174 -.169 -.124 -.082

Cp 321-329

~~-.057~~ .987 .816 .611 .474 .227 .046 -.054 -.164

Ps 301-309 10.980 10.819 11.027 11.410 11.802 12.545 12.649 12.654 12.653

Ps 201-206 12.467 12.594 12.648 12.585 12.412 12.248

Ps 207-212 11.829 11.892 11.935 1..897 1 .829 11.750

Ps 213-224 12.922 10.973 ~~10.362~~ ~~10.589~~ 10.887 11.741 11.843 11.985 12.100 12.909 12.915 12.852

Ps 225-236 12.644 10.574 9.551 9.860 11.073 11.307 11.428 11.588 11.752 ~~14.554~~ 12.797 13.036

Ps 237-245 14.784 14.085 12.808 12.132 12.047 12.432 12.406 12.158 12.127

Pcw = 12.492 L = .0274 Pcb = 11.855 Ptc/Pcw = 1.169 Wc = 1.81 T = 79. B = 29.63

Run 14-6 C1 I0 S0 B1 Eng 2 α=10° β=0° m/m*= ~~.677~~ 0.733

Pt/Pto 131-144

~~.993~~ .999 .996 ~~.999~~ .990 .987 .999 .998 .996 .993 .989 .985 ~~.975~~ .979

Cp 330-344

~~-.080~~ -.422 -.687 -.540 -.359 .343 -.371 -.733 -.870 -.756 -.634 -.566 -1.146 -.474 -.858

Pt/Pto 101-130

.941	.947	.958	.946	1.000	1.000	.995	.977	.968	.948
1.000	1.000	1.000	.988	.978	.962	1.000	1.000	1.000	.996
.993	.981	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.580 Ptc/Pto = .986 K = .0600

Cp 310-320

~~-.102~~ .931 .702 .464 .338 .101 -.127 -.183 -.167 -.105 -.062

Cp 321-329

~~-.026~~ .971 .896 .692 .558 .304 .068 -.063 -.195

Ps 301-309 10.824 10.631 10.783 11.208 11.639 12.475 12.588 12.594 12.590

Ps 201-206 12.408 12.529 12.600 12.529 12.353 12.185

Ps 207-212 11.752 11.817 11.865 11.820 11.755 11.672

Ps 213-224 13.128 11.120 ~~10.458~~ ~~10.584~~ 10.885 11.692 11.782 11.919 12.031 12.852 12.854 12.797

Ps 225-236 12.345 10.272 n.g. 9.698 10.884 11.210 11.348 11.525 11.700 ~~14.543~~ 12.706 12.960

Ps 237-245 14.783 14.077 12.768 12.066 11.970 12.365 12.338 12.080 12.054

Pcw = 12.434 L = .0285 Peb = 11.780 Ptc/Pcw = 1.173 Wc = 1.82 T = 82. B = 29.63

Run 14-7 C1 I0 S0 B1 Eng 2 α=20° β=0° m/m*=~~.677~~ 0.738

Pt/Pto 131-144
~~.992~~ .997 .995 ~~.999~~ .989 .986 .999 .998 .995 .992 .989 .985 ~~.975~~ .979

Cp 330-344
~~.025~~ -.511 -.734 -.552 -.378 .273 -.481 -.814 -.900 -.741 -.594 -.512 -1.133 -.440 -.854

Pt/Pto 101-130
.940 .928 .955 .954 1.000 1.000 .996 .950 .968 .951
1.000 1.000 1.000 .962 .974 .957 1.000 1.000 1.000 .974
.985 .973 1.000 1.000 1.000 .995 .998 .999 1.000 1.000

Ptc = 14.523 Ptc/Pto = .982 K = .0732

Cp 310-320
~~.159~~ .872 .612 .376 .260 .054 -.111 -.146 -.114 -.067 -.052

Cp 321-329
~~.004~~ .885 .894 .759 .639 .375 .054 -.113 -.275

Ps 301-309 14.467 14.254 14.454 10.979 11.488 12.346 12.450 12.452 12.454

Ps 201-206 12.277 12.385 12.494 12.420 12.222 12.046

Ps 207-212 11.587 11.650 11.719 11.662 11.588 11.504

Ps 213-224 13.352 11.286 ~~10.519~~ ~~10.546~~ 10.850 11.588 11.666 11.792 11.904 12.729 12.725 12.678

Ps 225-236 11.780 9.764 n.g. 9.484 10.638 11.050 11.21_ 11.395 11.572 ~~14.531~~ 12.547 12.817

Ps 237-245 14.783 14.034 12.651 11.900 11.796 12.215 12.184 11.913 11.896

Pcw = 12.307 L = .0309 Peb = 11.618 Ptc/Pcw = 1.180 Wc = 1.83 T = 83. B = 29.63

Run 14-8 C1 I0 S0 B1 Eng 2 α=0° β=-4° m/m*=~~.677~~ 0.738, 0.729

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 1.000 .998 .994 .989 ~~.977~~ .980

Cp 330-344
~~-.168~~ -.224 -.536 -.474 -.335 .431 -.197 -.562 -.742 -.687 -.598 -.590 -1.209 -.482 -.919

Pt/Pto 101-130
.941 .937 .963 .954 1.000 1.000 .990 .963 .973 .945
1.000 1.000 1.000 .976 .979 .965 1.000 1.000 1.000 .987
.990 .989 1.000 1.000 1.000 .999 .999 1.000 1.000 1.000

Ptc = 14.565 Ptc/Pto = .985 K = .0639

Cp 310-320
~~-.088~~ .888 .782 .580 .456 .203 -.087 -.160 -.163 -.134 -.098

Cp 321-329
~~-.018~~ .981 .879 .706 .565 .309 .105 -.005 -.128

Ps 301-309 14.491 14.265 10.592 11.177 11.718 12.375 12.504 12.498 12.505

Ps 201-206 12.323 12.443 12.533 12.456 12.275 12.099

Ps 207-212 11.651 11.717 11.776 1..718 11.650 11.567

Ps 213-224 12.541 10.556 ~~10.515~~ 10.246 10.562 11.536 11.655 11.812 11.938 12.786 12.780 12.724

Ps 225-236 12.240 10.102 n.g. 9.561 10.709 11.097 11.250 11.441 11.627 ~~14.547~~ 12.625 12.880

Ps 237-245 14.778 14.017 12.662 11.952 11.864 12.278 12.254 11.988 11.964

Pcw = 12.355 L = .0298 Pcb = 11.680 Ptc/Pcw = 1.179 Wc = 1.83 T = 84. B = 29.63

Run 14-9 C1 I0 S0 B1 Eng 2 α=0° β=-10° m/m*=.677 0.728

Pt/Pto 131-144
~~.998~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .999 .994 .989 ~~.976~~ .979

Cp 330-344
~~-.216~~ -.156 -.508 -.499 -.388 .367 -.235 -.581 -.757 -.703 -.618 -.632 -1.285 -.525 -1.017

Pt/Pto 101-130
.938 .907 .948 .966 1.000 1.000 .986 .916 .961 .955
1.000 1.000 1.000 .925 .971 .972 1.000 1.000 1.000 .942
.978 .994 1.000 1.000 .999 .976 .991 1.000 1.000 1.000

Ptc = 14.455 Ptc/Pto = .977 K = .0957

Cp 310-320
~~-.146~~ .738 .672 .477 .361 .124 -.152 -.222 -.230 -.202 -.180

Cp 321-329
~~-.071~~ .906 .981 .854 .738 .477 .211 .064 -.083

Ps 301-309 13.989 13.574 14.110 10.840 11.487 12.220 12.308 12.325 12.367

Ps 201-206 12.215 12.334 12.437 12.386 12.170 11.990

Ps 207-212 11.529 11.625 11.680 11.584 11.517 11.441

Ps 213-224 12.368 10.341 ~~10.459~~ ~~10.001~~ 10.341 11.371 11.490 11.661 11.792 12.655 12.635 12.605

Ps 225-236 11.435 n.g. n.g. n.g. 10.472 10.940 11.118 11.275 11.417 ~~14.533~~ 12.427 12.716

Ps 237-245 14.777 13.984 12.577 11.822 11.713 12.137 12.102 11.823 11.821

Pcv = 12.255 L = .0309 Pcb = 11.563 Ptc/Pcv = 1.179 Wc = 1.82 T = 86. B = 29.63

Run 14-10 C1 I0 S0 B1 Eng 2 α=0° β=4° m/m*=~~.677~~ 0.735

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .987 ~~.977~~ .980

Cp 330-344

~~-.022~~ -.393 -.641 -.522 -.353 .439 -.189 -.559 -.744 -.687 -.609 -.593 -1.201 -.489 -.887

Pt/Pto 101-130

.940 .971 .956 .946 1.000 1.000 .992 1.000 .983 .949
1.000 1.000 1.000 1.000 .998 .964 1.000 1.000 1.000 1.000
1.000 .986 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.635 Ptc/Pto = .990 K = .0610

Cp 310-320

~~-.044~~ .991 .876 .621 .486 .221 -.084 -.166 -.172 -.132 -.103

Cp 321-329

~~-.137~~ .907 .630 .396 .253 .033 -.061 -.118 -.189

Ps 301-309 11.135 11.068 11.260 11.623 11.997 12.567 12.660 12.679 12.674

Ps 201-206 12.477 12.598 12.647 12.587 12.411 12.254

Ps 207-212 11.831 11.895 11.932 11.899 11.832 11.748

Ps 213-224 12.713 10.821 ~~10.479~~ ~~10.567~~ 10.869 11.748 11.854 11.991 12.104 12.923 12.934 12.864

Ps 225-236 13.193 11.177 10.070 10.190 11.183 11.421 11.500 11.623 11.754 ~~14.552~~ 12.892 13.124

Ps 237-245 14.785 14.107 12.835 12.151 12.063 12.446 12.423 12.177 12.140

Pcw = 12.496 L = .0268 Pcb = 11.856 Ptc/Pcw = 1.171 Wc = 1.81 T = 87. B = 29.63

Run 14-11 C1 I0 S0 B1 Eng 2 α=0° β=10° m/m*=.677 0.732

Pt/Pto 131-144
~~.998~~ 1.000 .999 ~~.999~~ .993 .989 .998 .998 .998 .996 .991 .985 ~~.976~~ .979

Cp 330-344
~~-.148~~ -.572 -.765 -.611 -.436 .387 -.211 -.576 -.756 -.702 -.620 -.622 -1.271 -.531 -.920

Pt/Pto 101-130
.940 .976 .971 .942 .999 1.000 .994 1.000 .999 .955
1.000 1.000 1.000 1.000 1.000 .972 1.000 1.000 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.660 Ptc/Pto = .991 K = .0607

Cp 310-320
~~-.106~~ .977 .801 .587 .447 .177 -.137 -.229 -.244 -.203 -.182

Cp 321-329
~~-.154~~ .616 .321 .110 -.017 -.186 -.194 -.211 -.243

Ps 301-309 11.259 11.257 11.535 11.967 12.327 12.636 12.714 12.743 12.747

Ps 201-206 12.561 12.667 12.733 12.656 12.484 12.334

Ps 207-212 11.926 11.988 12.024 11.991 11.930 11.847

Ps 213-224 12.777 10.382 ~~10.524~~ ~~10.774~~ 11.081 11.875 11.973 12.094 12.197 12.984 13.000 12.926

Ps 225-236 13.777 11.978 10.881 10.791 11.362 11.701 11.719 11.796 11.896 ~~14.542~~ 12.961 13.218

Ps 237-245 14.786 14.194 12.965 12.277 12.171 12.534 12.504 12.265 12.225

Pcv = 12.573 L = .0272 Pcb = 11.951 Ptc/Pcv = 1.166 Wc = 1.79 T = 88. B = 29.63

Run 14-12 C1 I0 S0 E1 Eng 2 α=4° β=10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~.999~~ .992 .988 .998 .998 .998 .995 .990 .990 .984 ~~.976~~ .979

Cp 330-344

~~-.119~~ -.584 -.771 -.591 -.397 .343 -.292 -.657 -.823 -.744 -.646 -.621 -1.258 -.520 -.891

Pt/Pto 101-130

.942 .977 .969 .939 .998 1.000 .995 1.000 .998 .951
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000

Ptc = 14.655 Ptc/Pto = .991 K = .0616

Cp 310-320

~~-.110~~ .982 .785 .542 .400 .129 -.142 -.222 -.226 -.170 -.136

Cp 321-329

~~-.184~~ .745 .430 .219 .089 -.083 -.120 -.155 -.196

Ps 301-309 11.250 11.241 11.458 11.850 12.208 12.624 12.709 12.739 12.742

Ps 201-206 12.566 12.667 12.730 12.656 12.484 12.337

Ps 207-212 11.926 11.988 12.021 1 .990 11.931 11.848

Ps 213-224 12.985 11.142 ~~10.576~~ ~~10.822~~ 1 .121 11.883 11.969 12.090 12.188 12.984 13.000 12.926

Ps 225-236 13.662 11.824 10.735 10.687 11.332 11.655 11.686 11.770 11.876 ~~14.541~~ 12.959 13.214

Ps 237-245 14.787 14.209 12.984 12.288 12.177 12.536 12.505 12.265 12.225

Pcw = 12.573 L = .0268 Pcb = 11.951 Ptc/Pcw = 1.166 Wc = 1.79 T = 90. B = 29.63

Run 14-13 C1 I0 S0 B1 Eng 2 α=4° β=4° m/m*=~~.677~~ 0.731

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~1.000~~ .992 .988 .999 .999 .999 .996 .991 .986 ~~.977~~ .980

Cp 330-344
~~.032~~ -.430 -.678 -.533 -.349 .393 -.270 -.641 -.808 -.728 -.627 -.587 -1.185 -.485 -.862

Pt/Pto 101-130
.940 .971 .956 .944 1.000 1.000 .993 1.000 .980 .948
1.000 1.000 1.000 1.000 .997 .961 1.000 1.000 1.000 1.000
1.000 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.626 Ptc/Pto = .989 K = .0603

Cp 310-320
~~-.057~~ .993 .812 .562 .426 .170 -.104 -.175 -.171 -.122 -.084

Cp 321-329
~~-.212~~ .945 .671 .476 .333 .109 -.015 -.090 -.176

Ps 301-309 11.147 11.069 11.231 11.564 11.921 12.560 12.667 12.690 12.687

Ps 201-206 12.494 12.615 12.666 12.604 12.432 12.277

Ps 207-212 11.857 11.921 11.956 11.925 11.859 11.776

Ps 213-224 12.936 11.014 ~~10.607~~ ~~10.654~~ 10.948 11.780 11.875 12.010 12.118 12.936 12.948 12.880

Ps 225-236 13.066 11.042 9.961 10.134 11.185 11.407 11.494 11.624 11.761 ~~14.553~~ 12.902 13.122

Ps 237-245 14.786 14.131 12.873 12.187 12.093 12.467 12.443 12.198 12.161

Pcw = 12.515 L = .0266 Pcb = 11.882 Ptc/Pcw = 1.169 Wc = 1.79 T = 91. B = 29.63

Run 14-14 C1 I0 S0 B1 Eng 2 α=4° β=-4° m/m*=~~.697~~ 0.833

Pt/Pto 131-144

~~.996~~ .999 .999 ~~.999~~ .992 .988 .999 1.000 .999 .997 .992 .988 ~~.977~~ .980

Cp 330-344

~~-.154~~ -.259 -.598 -.516 -.366 .387 -.279 -.643 -.805 -.726 -.622 -.591 -1.199 -.494 -.922

Pt/Pto 101-130

.942 .932 .962 .954 1.000 1.000 .991 .955 .974 .945
1.000 1.000 1.000 .968 .978 .964 1.000 1.000 1.000 .980
.987 .987 1.000 1.000 1.000 .998 .999 1.000 1.000 1.000

Ptc = 14.545 Ptc/Pto = .984 K = .0697

Cp 310-320

~~-.075~~ .880 .734 .511 .384 .141 -.125 -.187 -.187 -.142 -.107

Cp 321-329

~~-.039~~ .982 .916 .744 .609 .351 .114 -.013 -.144

Ps 301-309 14.462 14.197 14.485 11.088 11.642 12.358 12.482 12.476 12.485

Ps 201-206 12.301 12.416 12.519 12.440 12.254 12.084

Ps 207-212 11.627 11.691 11.754 11.692 11.625 11.544

Ps 213-224 12.740 10.723 ~~10.596~~ ~~10.385~~ 10.618 11.545 11.648 11.799 11.921 12.760 12.753 12.706

Ps 225-236 12.077 9.966 n.g. 9.543 10.651 11.073 11.233 11.421 11.605 ~~14.543~~ 12.588 12.848

Ps 237-245 14.771 13.999 12.635 11.916 11.829 12.247 12.224 11.959 11.938

Pcw = 12.336 L = .0299 Pcb = 11.656 Ptc/Pcw = 1.179 Wc = 1.82 T = 92. B = 29.62

Run 14-15 C1 I0 S0 B1 Eng 2 α=4° β=-10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.997~~	.999	.999	~~.999~~	.992	.988	.999	1.000	.999	.997	.993	.988	~~.975~~	.979

Cp 330-344

~~-.198~~	-.249	-.598	-.566	-.445	.329	-.317	-.664	-.821	-.743	-.645	-.634	-1.279	-.542	-1.026

Pt/Pto 101-130

.939	.901	.948	.971	1.000	1.000	.987	.908	.959	.962
1.000	1.000	1.000	.918	.967	.969	1.000	1.000	1.000	.935
.973	.988	1.000	1.000	.999	.973	.988	1.000	1.000	1.000

Ptc = 14.437 Ptc/Pto = .976 K = .1014

Cp 310-320

~~-.154~~	.735	.612	.400	.282	.051	-.199	-.270	-.288	-.222	-.203

Cp 321-329

~~-.260~~	.841	.942	.862	.751	.489	.193	.029	-.133

Ps 301-309	13.993	13.585	14.057	10.762	11.379	12.184	12.254	12.260	12.309		
Ps 201-206	12.156	12.282	12.382	12.347	12.107	11.930					
Ps 207-212	11.455	11.559	11.618	11.514	11.440	11.363					
Ps 213-224	12.585	10.507	~~10.972~~	~~10.048~~	10.382	11.366	11.467	11.628	11.755	12.588	12.568	12.551
Ps 225-236	11.269	n.g.	n.g.	n.g.	10.439	10.840	11.027	11.194	11.325	~~14.529~~	12.358	12.653
Ps 237-245	14.770	13.930	12.482	11.711	11.609	12.055	12.024	11.739	11.742			

Pcv = 12.201 L = .0313 Pcb = 11.491 Ptc/Pcv = 1.183 Wc = 1.82 T = 92. B = 29.63

Run 14-16 C1 I0 S0 E1 Eng 2 α=-4° β=-10° m/m*=~~.674~~ 0.732

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .994 .990 .999 1.000 1.000 .999 .996 .990 ~~.976~~ .980

Cp 330-344

~~-.245~~ -.069 -.422 -.428 -.335 .406 -.149 -.493 -.679 -.648 -.580 -.619 -1.282 -.493 -1.003

Pt/Pto 101-130

.940 .911 .951 .963 1.000 .999 .985 .923 .964 .953
1.000 1.000 1.000 .935 .974 .974 1.000 1.000 1.000 .951
.980 .995 1.000 1.000 1.000 .983 .994 1.000 1.000 1.000

Ptc = 14.482 Ptc/Pto = .979 K = .0913

Cp 310-320

~~-.163~~ .758 .741 .553 .438 .197 -.095 -.171 -.184 -.174 -.153

Cp 321-329

~~-.880~~ .935 .988 .836 .712 .451 .218 .084 -.050

Ps 301-309 13.934 13.530 14.143 10.905 11.593 12.239 12.321 12.347 12.389

Ps 201-206 12.213 12.333 12.438 12.384 12.171 11.994

Ps 207-212 11.523 11.608 11.670 11.582 11.513 11.437

Ps 213-224 12.130 10.143 ~~10.504~~ ~~9.920~~ 10.264 11.352 11.485 11.661 11.800 12.668 12.649 12.614

Ps 225-236 11.563 9.434 n.g. n.g. 10.422 10.931 11.123 11.306 11.463 ~~14.529~~ 12.454 12.733

Ps 237-245 14.775 13.971 12.569 11.820 11.721 12.141 12.117 11.839 11.831

Pcv = 12.256 L = .0306 Pcb = 11.556 Ptc/Pcv = 1.182 Wc = 1.82 T = 93. B = 29.63

Run 14-17 C1 I0 S0 B1 Eng 2 α=-4° β=-4° m/m*=~~.677~~ 0.733

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~.999~~ .994 .990 .999 1.000 1.000 .999 .995 .990 ~~.978~~ .981

Cp 330-344

~~.181~~ -.154 -.469 -.428 -.304 .472 -.112 -.471 -.663 -.631 -.558 -.572 -1.203 -.457 -.910

Pt/Pto 101-130

.944 .941 .963 .955 1.000 1.000 .987 .970 .974 .947
1.000 1.000 1.000 .983 .981 .968 1.000 1.000 1.000 .993
.993 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.587 Ptc/Pto = .986 K = .0603

Cp 310-320

~~-.075~~ .914 .861 .644 .517 .259 -.047 -.125 -.138 -.118 -.092

Cp 321-329

~~-.322~~ 1.002 .861 .655 .511 .257 .082 -.014 -.115

Ps 301-309 14.558 14.377 10.714 11.298 11.827 12.424 12.546 12.548 12.548

Ps 201-206 12.362 12.477 12.561 12.492 12.310 12.144

Ps 207-212 11.696 11.762 11.812 11.762 11.694 11.612

Ps 213-224 12.329 10.414 ~~10.477~~ ~~10.286~~ 10.539 11.556 11.683 11.845 11.972 12.819 12.816 12.758

Ps 225-236 12.387 10.256 n.g. 9.639 10.790 11.142 11.284 11.467 11.652 ~~14.544~~ 12.675 12.930

Ps 237-245 14.775 14.027 12.695 12.001 11.915 12.320 12.298 12.038 12.008

Pcv = 12.391 L = .0286 Pcb = 11.723 Ptc/Pcv = 1.177 Wc = 1.81 T = 94. B = 29.63

Run 14-18 C1 I0 S0 B1 Eng 2 α=-4° β=4° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.000~~ .994 .990 .999 1.000 .999 .999 .994 .989 ~~.978~~ .981

Cp 330-344

~~.005~~ -.357 -.603 -.508 -.360 .480 -.103 -.467 -.666 -.630 -.558 -.565 -1.187 -.475 -.885

Pt/Pto 101-130

.943 .971 .957 .947 1.000 1.000 .988 1.000 .988 .952
1.000 1.000 1.000 1.000 .999 .969 1.000 1.000 1.000 1.000
1.000 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.643 Ptc/Pto = .990 K = .0579

Cp 310-320

~~-.075~~ .996 .895 .672 .534 .268 -.056 -.150 -.166 -.137 -.120

Cp 321-329

~~-.335~~ .829 .533 .307 .162 -.054 -.122 -.162 -.213

Ps 301-309 11.215 11.187 11.378 11.752 12.128 12.620 12.696 12.714 12.710

Ps 201-206 12.512 12.633 12.686 12.624 12.451 12.301

Ps 207-212 11.882 11.946 11.981 11.948 11.883 11.800

Ps 213-224 12.524 10.725 ~~10.488~~ ~~10.592~~ 10.894 11.791 11.905 12.045 12.156 12.955 12.967 12.898

Ps 225-236 13.337 11.377 10.282 10.367 11.251 11.519 11.586 11.697 11.821 ~~14.549~~ 12.929 13.165

Ps 237-245 14.782 14.104 12.851 12.185 12.103 12.482 12.463 12.223 12.185

Pcw = 12.535 L = .0263 Pcb = 11.907 Ptc/Pcw = 1.168 Wc = 1.79 T = 94. B = 29.63

Run 14-19 C1 I0 S0 B1 Eng 2 α=-4° β=-10° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .995 .990 .999 .999 .998 .998 .993 .987 ~~.977~~ .980

Cp 330-344
~~-.181~~ -.563 -.753 -.622 -.471 .442 -.135 -.489 -.685 -.653 -.585 -.610 -1.283 -.533 -.943

Pt/Pto 101-130
.938 .975 .972 .944 1.000 1.000 .991 1.000 1.000 .958
1.000 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.663 Ptc/Pto = .992 K = .0624

Cp 310-320
~~-.129~~ .972 .870 .639 .499 .224 -.119 -.225 -.247 -.218 -.216

Cp 321-329
~~-.368~~ .559 .217 .005 -.122 -.288 -.277 -.275 -.302

Ps 301-309 11.296 11.275 11.587 12.028 12.378 12.639 12.707 12.734 12.740

Ps 201-206 12.546 12.656 12.724 12.652 12.474 12.328

Ps 207-212 11.912 11.975 12.011 11.979 11.917 11.833

Ps 213-224 12.545 10.812 ~~10.518~~ ~~10.712~~ 11.024 11.858 11.963 12.091 12.194 12.978 12.994 12.920

Ps 225-236 13.864 12.097 10.992 10.863 11.369 11.732 11.739 11.810 11.906 ~~14.538~~ 12.956 13.215

Ps 237-245 14.787 14.174 12.937 12.253 12.155 12.520 12.494 12.258 12.214

Pcw = 12.563 L = .0270 Pcb = 11.938 Ptc/Pcw = 1.167 Wc = 1.78 T = 95. B = 29.63

Run 14-20 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.978~~ .981

Cp 330-344

~~-.115~~ -.297 -.581 -.490 -.331 .443 -.189 -.555 -.740 -.684 -.594 -.573 -1.174 -.470 -.875

Pt/Pto 101-130

.943 .957 .957 .953 1.000 1.000 .990 .995 .969 .952
1.000 1.000 .999 .999 .986 .964 1.000 1.000 1.000 1.000
.999 .983 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.613 Ptc/Pto = .988 K = .0572

Cp 310-320

~~-.035~~ .968 .835 .606 .475 .215 -.077 -.154 -.158 -.122 -.088

Cp 321-329

~~-.393~~ .963 .786 .559 .414 .172 .019 -.061 -.158

Ps 301-309 10.980 10.822 11.072 11.479 11.874 12.547 12.646 12.653 12.650

Ps 201-206 12.458 12.581 12.637 12.580 12.400 12.247

Ps 207-212 11.815 11.877 11.919 11.883 11.816 11.735

Ps 213-224 12.684 10.778 ~~10.529~~ ~~10.503~~ 10.799 11.714 11.821 11.967 12.086 12.904 12.910 12.846

Ps 225-236 12.770 10.695 9.643 9.917 11.087 11.313 11.423 11.579 11.737 ~~14.555~~ 12.805 13.040

Ps 237-245 14.781 14.078 12.800 12.122 12.034 12.425 12.402 12.155 12.121

Pcw = 12.484 L = .0267 Pcb = 11.841 Ptc/Pcw = 1.171 Wc = 1.79 T = 96. B = 29.63

Run 14-21 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144

~~.997~~	1.000	.999	~~1.000~~	.993	.989	.999	1.000	.999	.998	.993	.988	~~.978~~	.981

Cp 330-344

~~-.134~~	-.295	-.574	-.481	-.325	.446	-.182	-.549	-.732	-.675	-.588	-.568	-1.148	-.466	-.858

Pt/Pto 101-130

.945	.964	.958	.954	1.000	1.000	.992	.996	.969	.953
1.000	1.000	1.000	.999	.986	.965	1.000	1.000	1.000	1.000
.999	.984	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.798 Ptc/Pto = .989 K = .0561

Cp 310-320

~~-.057~~	.974	.834	.603	.470	.217	-.077	-.151	-.155	-.123	-.087

Cp 321-329

~~-1.716~~	.974	.759	.551	.407	.168	.015	-.065	-.158

Ps 301-309	11.204	11.057	11.317	11.722	12.108	12.763	12.853	12.869	12.861			
Ps 201-206	12.657	12.796	12.850	12.787	12.611	12.449						
Ps 207-212	12.051	12.112	12.152	12.120	12.049	11.969						
Ps 213-224	12.901	11.001	~~n.g.~~	10.738	11.054	11.924	12.042	12.186	12.304	13.114	13.121	13.058
Ps 225-236	12.974	10.917	9.876	10.136	11.287	11.532	11.648	11.799	11.954	14.726	13.022	13.247
Ps 237-245	14.959	14.273	13.016	12.355	12.270	12.641	12.610	12.373	12.339			

Pcw = 12.692 L = .0271 Pcb = 12.076 Ptc/Pcw = 1.166 Wc = 1.85 T = 63. B = 29.99

Run 14-22 C1 I0 S0 B1 Eng 2 α=-4° β=0° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.080~~ .994 .990 .999 1.000 1.000 .999 .995 .990 ~~.979~~ .981

Cp 330-344

~~-139~~ -.241 -.519 -.449 -.309 .493 -.092 -.456 -.655 -.617 -.546 -.546 -1.130 -.444 -.841

Pt/Pto 101-130

.947 .970 .959 .956 1.000 1.000 .990 .999 .971 .955
1.000 1.000 1.000 1.000 .989 .969 1.000 1.000 1.000 1.000
1.000 .987 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.815 Ptc/Pto = .990 K = .0543

Cp 310-320

~~-.057~~ .982 .894 .664 .531 .274 -.039 -.127 -.137 -.116 -.090

Cp 321-329

~~-1.640~~ .951 .702 .476 .334 .095 -.022 -.090 -.161

Ps 301-309 11.283 11.168 11.467 11.879 12.265 12.821 12.912 12.921 12.910

Ps 201-206 12.719 12.851 12.903 12.841 12.669 12.512

Ps 207-212 12.123 12.184 12.221 12.190 12.122 12.045

Ps 213-224 12.740 10.917 ~~-9.689~~ 10.762 11.085 11.971 12.097 12.243 12.363 13.162 13.170 13.106

Ps 225-236 13.150 11.131 10.093 10.314 11.415 11.628 11.736 11.877 12.023 ~~14.727~~ 13.089 13.307

Ps 237-245 14.963 14.298 13.072 12.428 12.344 12.701 12.670 12.441 12.405

Pcw = 12.749 L = .0264 Pcb = 12.148 Ptc/Pcw = 1.162 Wc = 1.83 T = 65. B = 29.99

Run 14-23 C1 I0 S0 B1 Eng 2 α=-10° β=0° m/m*=~~.697~~ 0.730

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .996 .992 .999 1.000 1.000 1.000 .997 .991 ~~.979~~ .982

Cp 330-344
~~-129~~ -.155 -.424 -.390 -.285 .565 .051 -.297 -.506 -.506 -.459 -.505 -1.121 -.406 -.828

Pt/Pto 101-130
.947 .972 .958 .955 1.000 1.000 .986 1.000 .972 .957
1.000 1.000 1.000 1.000 .991 .972 1.000 1.000 1.000 1.000
1.000 .990 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000

Ptc = 14.817 Ptc/Pto = .990 K = .0535

Cp 310-320
~~-118~~ .936 .936 .760 .631 .378 .030 -.065 -.094 -.087 -.081

Cp 321-329
~~-1.636~~ .849 .578 .363 .216 -.019 -.108 -.153 -.194

Ps 301-309 11.243 11.227 11.520 11.944 12 356 12.837 12.913 12.925 12.919

Ps 201-206 12.728 12.861 12.909 12.849 12.675 12.522

Ps 207-212 12.133 12.194 12.230 12.200 12.132 12.054

Ps 213-224 12.330 10.621 ~~9.789~~ 10.652 11.032 11.940 12.085 12.242 12.365 13.170 13.177 13.111

Ps 225-236 13.309 11.313 10.256 10.427 11.475 11.672 11.763 11.897 12.038 ~~14.717~~ 13.116 13.327

Ps 237-245 14.961 14.300 13.080 12.439 12.356 12.708 12.678 12.450 12.414

Pcw = 12.757 L = .0261 Pcb = 12.157 Ptc/Pcw = 1.161 Wc = 1.83 T = 66. B = 29.99

Run 14-24 C1 I0 S0 B1 Eng 2 α=-20° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .999 .995 1.000 1.000 1.000 1.000 .999 .994 ~~.980~~ .981

Cp 330-344

~~.093~~ -.021 -.246 -.266 -.225 .697 .311 .007 -.212 -.262 -.257 -.384 -1.076 -.291 -.770

Pt/Pto 101-130

.948 .971 .959 .955 1.000 1.000 .976 1.000 .975 .961
1.000 1.000 1.000 1.000 .995 .980 1.000 1.000 1.000 .999
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.826 Ptc/Pto = .990 K = .0525

Cp 310-320

~~-.192~~ .764 .978 .902 .802 .564 .189 .074 .022 -.003 -.029

Cp 321-329

~~-1.607~~ .668 .389 .152 -.001 -.242 -.301 -.309 -.325

Ps 301-309 11.340 11.322 11.631 12.108 12.544 12.869 12.924 12.938 12.929

Ps 201-206 12.702 12.869 12.918 12.859 12.683 12.530

Ps 207-212 12.143 12.204 12.240 12.210 12.143 12.063

Ps 213-224 11.473 10.071 ~~9.840~~ 10.418 11.224 11.881 12.068 12.240 12.370 13.177 13.177 13.120

Ps 225-236 13.501 11.567 10.490 10.594 11.517 11.744 11.818 11.938 12.069 ~~14.701~~ 13.145 13.360

Ps 237-245 14.961 14.297 13.081 12.443 12.365 12.719 12.689 12.463 12.425

Pcw = 12.760 L = .0261 Pcb = 12.167 Ptc/Pcw = 1.162 Wc = 1.83 T = 67. B = 29.99

Run 14-25 C1 I0 S0 B1 Eng 2 α=4° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~.996~~ .999 .999 ~~1.000~~ .992 .988 .999 .999 .998 .996 .992 .987 ~~.977~~ .980

Cp 330-344
~~-.188~~ -.351 -.627 -.508 -.339 .399 -.268 -.636 -.801 -.720 -.617 -.573 -1.145 -.475 -.854

Pt/Pto 101-130
.943 .959 .958 .952 1.000 1.000 .994 .992 .967 .951
1.000 1.000 1.000 .998 .982 .963 .999 1.000 1.000 1.000
.998 .982 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.786 Ptc/Pto = .988 K = .0574

Cp 310-320
~~-.074~~ .949 .779 .535 .407 .159 -.107 -.172 -.168 -.123 -.079

Cp 321-329
~~-1.579~~ .980 .818 .615 .472 .228 .047 -.054 -.164

Ps 301-309 11.168 11.007 11.213 11.599 11.989 12.731 12.836 12.845 12.838

Ps 201-206 12.639 12.776 12.835 12.768 12.590 12.428

Ps 207-212 12.023 12.085 12.126 12.092 12.019 11.943

Ps 213-224 13.107 11.156 ~~9.966~~ 10.779 11.084 11.925 12.031 12.169 12.286 13.094 13.101 13.039

Ps 225-236 12.807 10.744 9.726 10.027 11.210 11.487 11.611 11.771 11.933 ~~14.726~~ 12.983 13.219

Ps 237-245 14.961 14.267 12.998 12.330 12.241 12.616 12.584 12.345 12.314

Pcw = 12.673 L = .0275 Pcb = 12.048 Ptc/Pcw = 1.167 Wc = 1.84 T = 68. B = 29.99

Run 14-26 C1 I0 S0 B1 Eng 2 α=10° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.993~~ .999 .996 ~~.999~~ .990 .987 .999 .998 .996 .993 .989 .985 ~~.976~~ .979

Cp 330-344

~~-.111~~ -.420 -.685 -.536 -.353 .340 -.370 -.731 -.866 -.752 -.628 -.559 -1.119 -.467 -.836

Pt/Pto 101-130

.943	.950	.959	.948	1.000	1.000	.995	.978	.970	.949
1.000	1.000	1.000	.988	.981	.962	1.000	1.000	.999	.995
.994	.981	1.000	1.000	1.000	.999	1.000	.999	1.000	1.000

Ptc = 14.763 Ptc/Pto = .986 K = .0578

Cp 310-320

~~-.107~~ .923 .696 .454 .329 .098 -.128 -.181 -.169 -.105 -.062

Cp 321-329

~~-1.972~~ .984 .866 .684 .554 .302 .067 -.064 -.194

Ps 301-309 11.047 10.848 11.025 11.459 11.889 12.687 12.796 12.805 12.799

Ps 201-206 12.605 12.735 12.814 12.737 12.557 12.392

Ps 207-212 11.979 12.042 12.089 12.048 11.983 11.900

Ps 213-224 13.361 11.364 ~~10.089~~ 10.834 11.136 11.917 12.009 12.141 12.254 13.058 13.061 13.006

Ps 225-236 12.549 10.503 9.557 9.946 11.129 11.437 11.574 11.750 11.927 ~~14.714~~ 12.916 13.165

Ps 237-245 14.961 14.262 12.972 12.289 12.194 12.574 12.542 12.297 12.271

Pcw = 12.640 L = .0286 Pcb = 12.007 Ptc/Pcw = 1.168 Wc = 1.84 T = 69. B = 29.99

Run 14-27 C1 I0 S0 B1 Eng 2 α=20° β=0° m/m*= ~~.677~~ 0.733, 0.730

Pt/Pto 131-144

~~.992~~ .997 .995 ~~.999~~ .989 .986 .999 .998 .995 .993 .989 .985 ~~.975~~ .979

Cp 330-344

~~+048~~ -.512 -.734 -.550 -.376 .274 -.477 -.814 -.899 -.737 -.591 -.504 -1.101 -.433 -.830

Pt/Pto 101-130

.943	.932	.956	.956	1.000	1.000	.997	.952	.969	.953
1.000	1.000	1.000	.963	.976	.958	1.000	1.000	1.000	.975
.986	.973	1.000	1.000	1.000	.995	.998	.999	1.000	1.000

Ptc = 14.707 Ptc/Pto = .983 K = .0694

Cp 310-320

~~-.188~~ .875 .591 .364 .253 .051 -.114 -.146 -.112 -.067 -.049

Cp 321-329

~~-1.540~~ .888 .897 .756 .636 .374 .053 -.115 -.274

Ps 301-309 10.751 14.544 14.737 11.248 11.750 12.585 12.695 12.699 12.701

Ps 201-206 12.517 12.631 12.741 12.663 12.465 12.295

Ps 207-212 11.864 11.924 11.990 11.938 11.865 11.783

Ps 213-224 13.597 11.560 ~~10.293~~ 10.838 11.140 11.845 11.924 12.049 12.157 12.965 12.965 12.917

Ps 225-236 12.001 10.014 n.g. 9.746 10.966 11.323 11.480 11.664 11.839 ~~14.702~~ 12.785 13.052

Ps 237-245 14.962 14.250 12.910 12.185 12.079 12.466 12.429 12.173 12.156

Pcw = 12.552 L = .0303 Pcb = 11.894 Ptc/Pcw = 1.172 Wc = 1.85 T = 71. B = 29.99

Run 14-28 C1 I0 S0 E1 Eng 2 α=0° β=-4° m/m*=~~.697~~ 0.732

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~.999~~ .993 .989 .999 1.000 1.000 .998 .994 .989 ~~.978~~ .980

Cp 330-344
~~.217~~ -.221 -.532 -.468 -.327 .433 -.194 -.555 -.736 -.677 -.591 -.576 -1.169 -.472 -.888

Pt/Pto 101-130
.944 .940 .964 .955 1.000 1.000 .991 .965 .975 .947
1.000 1.000 1.000 .977 .980 .967 1.000 1.000 1.000 .988
.991 .990 1.000 1.000 1.000 .999 .999 1.000 1.000 1.000

Ptc = 14.753 Ptc/Pto = .986 K = .0605

Cp 310-320
~~-.110~~ .899 .776 .572 .444 .195 -.090 -.160 -.165 -.136 -.096

Cp 321-329
~~-1.526~~ .982 .868 .697 .558 .302 .104 -.008 -.128

Ps 301-309 10.789 14.578 10.899 11.473 11.996 12.626 12.752 12.751 12.754

Ps 201-206 12.566 12.690 12.783 12.703 12.521 12.351

Ps 207-212 11.934 11.995 12.048 12.000 1..932 11.852

Ps 213-224 12.806 10.853 ~~10.350~~ 10.557 10.878 11.802 11.923 12.076 12.200 13.023 13.021 12.968

Ps 225-236 12.464 10.374 n.g. 9.859 11.034 11.376 11.526 11.712 11.896 ~~14.720~~ 12.865 13.118

Ps 237-245 14.956 14.222 12.915 12.231 12.145 12.532 12.502 12.254 12.226

Pcw = 12.602 L = .0293 Pcb = 11.960 Ptc/Pcw = 1.171 Wc = 1.85 T = 72. B = 29.99

Run 14-29 C1 I0 S0 B1 Eng 2 α=0° β=-10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.998~~	.999	.999	~~.999~~	.993	.989	.999	1.000	1.000	.999	.994	.989	~~.976~~	.979

Cp 330-344

~~.090~~	-.155	-.507	-.492	-.385	.369	-.233	-.580	-.752	-.697	-.613	-.628	-1.258	-.520	-.998

Pt/Pto 101-130

.941	.910	.950	.969	1.000	1.000	.987	.919	.963	.958
1.000	1.000	1.000	.928	.972	.974	1.000	1.000	1.000	.943
.980	.994	1.000	1.000	1.000	.977	.991	1.000	1.000	1.000

Ptc = 14.649 Ptc/Pto = .979 K = .0925

Cp 310-320

~~.153~~	.752	.682	.474	.355	.124	-.156	-.220	-.230	-.199	-.180

Cp 321-329

~~1.482~~	.905	.988	.850	.733	.475	.210	.059	-.082

Ps 301-309 14.217 13.808 14.330 11.052 11.706 12.428 12.514 12.531 12.573

Ps 201-206 12.404 12.529 12.638 12.584 12.359 12.182

Ps 207-212 11.739 11.834 11.890 11.800 11.728 11.652

Ps 213-224 12.599 10.565 ~~10.359~~ 10.233 10.583 11.579 11.706 11.871 12.003 12.852 12.835 12.806

Ps 225-236 11.615 9.546 n.g. n.g. 10.733 11.166 11.338 11.493 11.636 ~~14.703~~ 12.630 12.915

Ps 237-245 14.955 14.159 12.760 12.025 11.921 12.333 12.295 12.025 12.021

Pcw = 12.449 L = .0311 Pcb = 11.774 Ptc/Pcw = 1.177 Wc = 1.86 T = 72. B = 29.99

Run 14-30 C1 I0 S0 B1 Eng 2 α=0° β=4° m/m*=.677 0.733

Pt/Pto 131-144
.997 1.000 1.000 1.000 .993 .989 .999 1.000 .999 .998 .993 .987 .978 .981

Cp 330-344
.031 -.393 -.640 -.519 -.352 .429 -.189 -.556 -.740 -.684 -.595 -.577 -1.171 -.481 -.862

Pt/Pto 101-130
.942 .977 .958 .947 1.000 1.000 .992 1.000 .986 .951
1.000 1.000 1.000 1.000 .999 .967 1.000 1.000 1.000 1.000
1.000 .987 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.822 Ptc/Pto = .990 K = .0583

Cp 310-320
.066 1.005 .857 .612 .478 .217 -.085 -.166 -.171 -.133 -.102

Cp 321-329
1.438 .896 .616 .387 .245 .028 -.065 -.123 -.190

Ps 301-309 11.413 11.347 11.521 11.880 12.245 12.793 12.877 12.895 12.890

Ps 201-206 12.683 12.814 12.869 12.802 12.626 12.470

Ps 207-212 12.069 12.133 12.168 12.137 12.068 11.989

Ps 213-224 12.959 11.084 10.434 10.838 11.146 11.985 12.095 12.229 12.340 13.135 13.149 13.079

Ps 225-236 13.409 11.423 10.345 10.470 11.466 11.670 11.746 11.864 11.993 14.785 13.105 13.337

Ps 237-245 14.965 14.291 13.037 12.375 12.290 12.660 12.637 12.402 12.364

Pcw = 12.711 L = .0269 Pcb = 12.094 Ptc/Pcw = 1.166 Wc = 1.83 T = 74. B = 29.99

Run 14-31 C1 I0 S0 B1 Eng 2 α=0° β=10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~.999~~ .993 .989 .998 .998 .998 .997 .992 .985 ~~.976~~ .979

Cp 330-344
~~-.164~~ -.578 -.765 -.609 -.437 .387 -.213 -.578 -.761 -.705 -.620 -.620 -1.262 -.529 -.913

Pt/Pto 101-130
.941 .980 .973 .942 1.000 1.000 .995 1.000 1.000 .955
1.000 1.000 1.000 1.000 1.000 .972 1.000 1.000 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.846 Ptc/Pto = .992 K = .0597

Cp 310-320
~~-.101~~ .984 .827 .585 .444 .173 -.139 -.231 -.242 -.203 -.178

Cp 321-329
~~-1.404~~ .652 .341 .105 -.020 -.186 -.195 -.213 -.242

Ps 301-309 11.457 11.460 11.743 12.177 12.529 12.827 12.896 12.922 12.923

Ps 201-206 12.725 12.840 12.911 12.830 12.653 12.502

Ps 207-212 12.105 12.167 12.202 12.171 12.108 12.025

Ps 213-224 12.986 11.183 10.509 10.973 11.287 12.063 12.162 12.284 12.384 13.161 13.178 13.103

Ps 225-236 13.967 12.173 11.083 10.994 11.584 11.890 11.911 11.987 12.086 ~~14.713~~ 13.135 13.395

Ps 237-245 14.965 14.355 13.120 12.442 12.343 12.702 12.672 12.439 12.400

Pcw = 12.744 L = .0275 Pcb = 12.130 Ptc/Pcw = 1.165 Wc = 1.83 T = 75. B = 29.99

Run 14-32 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144
1.000 1.000 1.000 .997 .993 .989 .999 1.000 .999 .998 .993 .988 .978 .981

Cp 330-344
~~-.140~~ -.295 -.576 -.479 -.322 .448 -.186 -.552 -.735 -.676 -.588 -.558 -1.128 -.460 -.841

Pt/Pto 101-130
.946 .964 .959 .955 1.000 1.000 .991 .996 .970 .954
1.000 1.000 1.000 1.000 .987 .966 1.000 1.000 1.000 1.000
.999 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.766 Ptc/Pto = .989 K = .0554

Cp 310-320
~~-.048~~ .993 .852 .596 .466 .211 -.079 -.152 -.153 -.121 -.087

Cp 321-329
~~-.475~~ .997 .782 .552 .407 .167 .016 -.063 -.158

Ps 301-309 11.229 11.087 11.348 11.741 12.123 12.762 12.857 12.864 12.857

Ps 201-206 12.655 12.790 12.843 12.782 12.608 12.446

Ps 207-212 12.056 12.114 12.156 12.124 12.056 11.977

Ps 213-224 12.932 11.045 ~~9.736~~ 10.783 11.087 11.944 12.056 12.196 12.311 13.103 13.109 13.046

Ps 225-236 12.977 10.946 9.930 10.190 11.330 11.554 11.666 11.815 11.966 14.688 13.012 13.238

Ps 237-245 14.919 14.240 12.999 12.348 12.265 12.637 12.602 12.373 12.342

Pcv = 12.687 L = .0269 Pcb = 12.081 Ptc/Pcv = 1.164 Wc = 1.83 T = 68. B = 29.91

Run 15-1 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.711~~ 0.812

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.975~~ .979

Cp 330-344

~~-.128~~ -.308 -.596 -.512 -.372 .438 -.198 -.572 -.764 -.714 -.632 -.682 -1.493 -.558 -1.110

Pt/Pto 101-130

.929	.936	.950	.939	1.000	1.000	.985	.978	.964	.938
1.000	1.000	1.000	.991	.977	.957	1.000	1.000	1.000	.997
.995	.981	1.000	1.000	.999	1.000	1.000	1.000	1.000	1.000

Ptc = 14.724 Ptc/Pto = .984 K = .0719

Cp 310-320

~~-.088~~ .907 .902 .691 .554 .282 -.054 -.136 -.145 -.120 -.088

Cp 321-329

-1.371 .981 .841 .633 .485 .221 .048 -.047 -.146

Ps 301-309 13.858 13.651 13.858 14.422 11.000 11.976 12.144 12.147 12.144

Ps 201-206 11.852 12.029 12.128 12.041 11.813 11.594

Ps 207-212 11.008 11.097 11.162 11.108 10.992 10.884

Ps 213-224 12.009 9.639 ~~10.247~~ n.g. 9.593 10.858 11.014 11.217 11.385 12.486 12.487 12.405

Ps 225-236 12.273 9.764 n.g. n.g. 9.836 10.367 10.523 10.748 10.971 14.722 12.332 12.651

Ps 237-245 14.957 14.084 12.433 11.493 11.348 11.860 11.822 11.493 11.462

Pcw = 11.909 L = .0363 Pcb = 11.042 Ptc/Pcw = 1.236 Wc = 2.04 T = 77. B = 29.99

Run 15-2 C1 I0 S0 B1 Eng 2 α=-4° β=0° m/m*= ~~.721~~ 0.808 , 0.815

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .994 .990 .999 .999 .999 .999 .995 .989 ~~.975~~ .980

Cp 330-344

.126 -.250 -.531 -.471 -.352 .478 -.104 -.470 -.671 -.653 -.583 -.659 -1.479 -.536 -1.098

Pt/Pto 101-130

.928 .939 .950 .939 1.000 1.000 .981 .983 .964 .940
1.000 1.000 1.000 .995 .978 .959 1.000 1.000 1.000 .999
.996 .985 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.736 Ptc/Pto = .984 K = .0726

Cp 310-320

-.091 .879 .931 .740 .607 .337 -.015 -.104 -.125 -.112 -.089

Cp 321-329

-1.320 .956 .783 .560 .411 .146 .008 -.071 -.146

Ps 301-309 13.901 13.732 13.969 14.524 11.095 11.998 12.168 12.177 12.177

Ps 201-206 11.880 12.061 12.149 12.066 11.842 11.624

Ps 207-212 11.044 11.132 11.194 1 .142 11.026 10.920

Ps 213-224 11.729 n.g. ~~10.138~~ n.g. 9.546 10.840 11.017 11.227 11.399 12.513 12.512 12.427

Ps 225-236 12.408 9.898 n.g. n.g. 9.879 10.399 10.546 10.762 10.987 ~~14.710~~ 12.368 12.682

Ps 237-245 14.959 14.108 12.472 11.545 11.395 11.894 11.858 11.530 11.495

Pcw = 11.937 L = .0356 Pcb = 11.076 Ptc/Pcw = 1.235 Wc = 2.04 T = 77. B = 29.99

Run 15-3 C1 I0 S0 B1 Eng 2 α=-10° β=0° m/m*= ~~.727~~ 0.806 , 0.816

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .996 .992 .999 1.000 1.000 1.000 .997 .991 ~~.976~~ .980

Cp 330-344
~~-.119~~ -.166 -.440 -.414 -.326 .559 .038 -.315 -.531 -.540 -.502 -.620 -1.476 -.499 -1.089

Pt/Pto 101-130
.927 .947 .947 .941 1.000 1.000 .975 .995 .961 .944
1.000 1.000 1.000 .999 .982 .982 1.000 1.000 1.000 1.000
.998 .986 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.749 Ptc/Pto = .985 K = .0740

Cp 310-320
~~-.140~~ .808 .956 .830 .710 .440 .056 -.049 -.082 -.084 -.080

Cp 321-329
-1.301 .899 .672 .454 .296 .039 -.076 -.133 -.186

Ps 301-309 14.016 13.893 14.155 14.676 11.205 12.047 12.197 12.207 12.203

Ps 201-206 11.898 12.097 12.170 12.097 11.870 11.658

Ps 207-212 11.085 11.174 11.231 11.186 11.065 10.961

Ps 213-224 11.284 n.g. 9.981 n.g. n.g. 10.828 11.033 11.249 11.426 12.541 12.541 12.457

Ps 225-236 12.594 10.086 n.g. n.g. 9.945 10.461 10.597 10.799 11.013 14.711 12.426 12.721

Ps 237-245 14.960 14.121 12.509 11.590 11.441 11.935 11.895 11.572 11.533

Pcv = 11.965 L = .0347 Pcb = 11.117 Ptc/Pcv = 1.233 Wc = 2.03 T = 79. B = 29.99

Run 15-4 C1 I0 S0 B1 Eng 2 α=-20° β=0° m/m*= ~~.787~~ 0.803 , 0.819

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .998 .994 .999 1.000 1.000 1.000 .999 .994 ~~.977~~ .980

Cp 330-344

~~.087~~ -.033 -.259 -.286 -.258 .694 .304 -.008 -.235 -.294 -.296 -.495 -1.422 -.378 -1.026

Pt/Pto 101-130

.933 .951 .946 .941 1.000 1.000 .965 1.000 .961 .948
1.000 1.000 1.000 1.000 .986 .968 1.000 1.000 1.000 1.000
.999 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.761 Ptc/Pto = .986 K = .0678

Cp 310-320

~~-.197~~ .574 .990 .945 .856 .620 .216 .093 .034 .003 -.028

Cp 321-329

~~-1.257~~ .749 .482 .246 .082 -.183 -.269 -.288 -.309

Ps 301-309 14.052 13.998 14.308 10.849 11.424 12.097 12.222 12.236 12.232

Ps 201-206 11.882 12.120 12.186 12.119 11.890 11.682

Ps 207-212 11.109 11.202 11.258 11.216 11.095 10.992

Ps 213-224 10.324 n.g. ~~9.738~~ n.g. 9.579 10.790 11.029 11.262 11.446 12.555 12.551 12.481

Ps 225-236 12.798 10.335 n.g. n.g. 10.006 10.527 10.650 10.840 11.040 ~~14.697~~ 12.490 12.768

Ps 237-245 14.960 14.128 12.529 11.616 11.472 11.960 11.922 11.602 11.559

Pcw = 11.980 L = .0342 Pcb = 11.145 Ptc/Pcw = 1.232 Wc = 2.03 T = 80. B = 29.99

jgc

Run 15-5 C1 I0 S0 B1 Eng 2 α=4° β=0° m/m*= ~~.721~~ 0.799, 0.819

Pt/Pto 131-144

~~.996~~	.999	.999	~~1.000~~	.992	.988	.999	.999	.999	.996	.992	.986	~~.973~~	.978

Cp 330-344

~~.167~~	-.358	-.646	-.536	-.385	.397	-.278	-.653	-.831	-.753	-.659	-.686	-1.492	-.564	-1.107

Pt/Pto 101-130

.928	.932	.949	.936	1.000	1.000	.987	.969	.963	.936
1.000	1.000	1.000	.984	.973	.956	1.000	1.000	1.000	.994
.991	.980	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.707 Ptc/Pto = .983 K = .0729

Cp 310-320

~~-.079~~	.915	.858	.639	.503	.232	-.078	-.153	-.154	-.117	-.077

Cp 321-329

~~-1.044~~	.990	.889	.692	.547	.284	.079	-.032	-.155

Ps 301-309 13.800 13.575 13.731 14.287 10.880 11.951 12.140 12.147 12.148

Ps 201-206 11.867 12.034 12.145 12.052 11.827 11.612

Ps 207-212 11.020 11.113 11.181 11.123 11.009 10.903

Ps 213-224 12.216 9.805 ~~9.700~~ n.g. 9.627 10.842 10.993 11.196 11.363 12.486 12.485 12.410

Ps 225-236 12.102 9.591 n.g. n.g. 9.764 10.332 10.498 10.726 10.962 ~~14.722~~ 12.311 12.633

Ps 237-245 14.962 14.141 12.509 11.551 11.385 11.877 11.832 11.500 11.472

Pcw = 11.923 L = .0362 Pcb = 11.058 Ptc/Pcw = 1.233 Wc = 2.02 T = 80. B = 29.99

Run 15-6 C1 I0 S0 B1 Eng 2 α=10° β=0° m/m*= ~~.782~~ 0.795 , 0.817

Pt/Pto 131-144

~~.993~~	.999	.997	~~.999~~	.989	.986	.999	.998	.996	.993	.989	.984	~~.972~~ .977

Cp 330-344

~~-.104~~	-.427	-.700	-.561	-.400	.330	-.378	-.746	-.888	-.783	-.668	-.671	-1.468 -.556 -1.093

Pt/Pto 101-130

.928	.923	.950	.933	1.000	1.000	.990	.956	.961	.936
1.000	1.000	1.000	.973	.967	.954	1.000	1.000	1.000	.985
.984	.977	1.000	1.000	1.000	.999	.999	.999	1.000	1.000

Ptc = 14.675 Ptc/Pto = .980 K = .0790

Cp 310-320

~~-.131~~	.918	.787	.565	.428	.174	-.098	-.162	-.156	-.099	-.061

Cp 321-329

~~-1.089~~	.953	.957	.753	.616	.353	.096	-.048	-.179

Ps 301-309 13.714 13.444 13.563 14.108 14.707 11.909 12.089 12.107 12.096

Ps 201-206 11.826 11.986 12.118 12.019 11.790 11.572

Ps 207-212 10.975 11.062 11.140 11.072 10.963 10.853

Ps 213-224 12.505 10.046 ~~9.798~~ n.g. 9.686 10.817 10.963 11.156 11.318 12.438 12.437 12.371

Ps 225-236 11.813 n.g. n.g. n.g. 9.665 10.281 10.463 10.692 10.933 ~~14.712~~ 12.234 12.557

Ps 237-245 14.962 14.139 12.478 11.499 11.327 11.824 11.776 11.441 11.421

Pcv = 11.885 L = .0372 Pcb = 11.011 Ptc/Pcv = 1.235 Wc = 2.02 T = 81. B = 29.99

Run 15-7 C1 I0 S0 B1 Eng 2 α=20° β=0° m/m* = ~~.721~~ 0.792 , 0.818

Pt/Pto 131-144

~~.992~~	.998	.995	~~.999~~	.989	.986	.999	.998	.996	.993	.989	.984	~~.978~~	.977

Cp 330-344

~~.046~~	-.521	-.751	-.576	-.425	.267	-.491	-.828	-.920	-.773	-.628	-.615	-1.431	-.520	-1.080

Pt/Pto 101-130

.925	.905	.945	.945	1.000	1.000	.992	.930	.960	.943
1.000	1.000	1.000	.945	.964	.946	1.000	1.000	1.000	.961
.975	.959	1.000	1.000	1.000	.989	.995	.997	1.000	1.000

Ptc = 14.605 Ptc/Pto = .976 K = .0971

Cp 310-320

~~-.201~~	.872	.679	.475	.350	.123	-.083	-.125	-.098	-.060	-.057

Cp 321-329

~~-1.196~~	.793	.902	.803	.685	.415	.077	-.099	-.264

Ps 301-309	13.444	13.167	13.404	14.048	14.649	11.798	11.975	11.988	12.002
Ps 201-206	11.734	11.887	12.045	11.954	11.705	11.478			
Ps 207-212	10.861	10.956	11.061	10.977	10.852	14.738			

Ps 213-224	12.820	10.315	~~9.732~~	n.g.	9.696	10.746	10.872	11.055	11.213	12.338	12.337	12.285
Ps 225-236	11.244	n.g.	n.g.	n.g.	n.g.	10.117	10.342	10.564	10.784	~~14.699~~	12.103	12.447
Ps 237-245	14.962	14.143	12.449	11.415	11.217	11.717	11.661	11.311	11.309			

Pcw = 11.800 L = .0388 Pcb = 11.574 Ptc/Pcw = 1.238 Wc = 2.02 T = 82. } B = 29.99

Run 15-8 C1 I0 S0 B1 Eng 2 α=0° β=-4° m/m'= ~~.711~~ 0.785, 0.830

Pt/Pto 131-144

~~.998~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .998 .994 .988 ~~.974~~ .979

Cp 330-344

~~.207~~ -.237 -.553 -.502 -.379 .424 -.209 -.583 -.762 -.711 -.634 -.689 -1.502 -.562 -1.140

Pt/Pto 101-130

.928 .913 .955 .942 .999 1.000 .984 .943 .967 .935
1.000 .999 1.000 .959 .969 .962 1.000 .999 1.000 .974
.981 .989 1.000 1.000 1.000 .995 .998 1.000 1.000 1.000

Ptc = 14.663 Ptc/Pto = .980 K = .0887

Cp 310-320

~~-.123~~ .816 .825 .644 .512 .249 -.070 -.145 -.156 -.134 -.099

Cp 321-329

~~-1.179~~ .953 .917 .757 .619 .350 .130 .009 -.116

Ps 301-309 13.494 13.215 13.493 14.180 10.896 11.894 12.085 12.089 12.103

Ps 201-206 11.846 11.999 12.140 12.043 11.813 11.597

Ps 207-212 11.007 11.096 11.182 11.102 10.993 10.889

Ps 213-224 11.943 9.566 ~~9.687~~ n.g. n.g. 10.795 10.956 11.164 11.336 12.447 12.437 12.375

Ps 225-236 11.780 n.g. n.g. n.g. 9.632 10.295 10.503 10.737 10.974 ~~14.714~~ 12.233 12.549

Ps 237-245 14.958 14.112 12.471 11.510 11.346 11.839 11.792 11.457 11.438

Pcw = 11.906 L = .0370 Pcb = 11.045 Ptc/Pcw = 1.232 Wc = 2.01 T = 83. B = 29.99

Run 15-9 C1 I0 S0 B1 Eng 2 α=0° β=-10° m/m* ~~.711~~ 0.779, 0.819

Pt/Pto 131-144

~~.998~~	.999	.999	~~.999~~	.993	.989	.999	1.000	1.000	.999	.994	.989	~~.974~~	.978

Cp 330-344

~~.277~~	-.166	-.526	-.523	-.440	.365	-.243	-.599	-.776	-.728	-.652	-.725	-1.571	-.600	-1.234

Pt/Pto 101-130

.925	.882	.933	.962	1.000	1.000	.980	.891	.947	.951
1.000	1.000	1.000	.902	.957	.966	1.000	.999	1.000	.925
.965	.991	1.000	1.000	.999	.968	.983	.999	1.000	1.000

Ptc = 14.529 Ptc/Pto = .971 K = .1219

Cp 310-320

~~-.185~~	.655	.694	.526	.410	.166	-.139	-.210	-.224	-.203	-.180

Cp 321-329

~~-1.134~~	.822	.984	.887	.771	.509	.232	.076	-.076

Ps 301-309 13.196 12.829 13.170 13.839 14.550 11.762 11.880 11.913 11.988

Ps 201-206 11.759 11.935 12.061 12.020 11.742 11.523

Ps 207-212 10.929 11.066 11.158 11.013 10.901 10.806

Ps 213-224 11.837 n.g. ~~9.633~~ n.g. n.g. 10.707 10.843 11.054 11.227 12.323 12.296 12.274

Ps 225-236 10.999 n.g. n.g. n.g. n.g. 10.108 10.378 10.599 10.779 ~~14.700~~ 12.041 12.390

Ps 237-245 14.960 14.096 12.412 11.412 11.223 11.718 11.654 11.305 11.322

Pcw = 11.840 L = .0370 Pcb = 10.979 Ptc/Pcw = 1.227 Wc = 1.98 T = 83. B = 29.99

Run 15-10 C1 I0 S0 B1 Eng 2 α=0° β=4° m/m*=~~.711~~ 0.812 , 0.818

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 .999 .999 .998 .993 .986 ~~.974~~ .979

Cp 330-344

~~.025~~ -.403 -.656 -.542 -.395 .430 -.199 -.575 -.766 -.716 -.636 -.690 -1.520 -.569 -1.112

Pt/Pto 101-130

.927 .959 .942 .932 1.000 1.000 .984 .999 .961 .938
1.000 1.000 1.000 1.000 .988 .952 1.000 1.000 1.000 1.000
1.000 .975 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.740 Ptc/Pto = .985 K = .0739

Cp 310-320

~~-.088~~ .950 .920 .713 .571 .289 -.058 -.147 -.160 -.128 -.102

Cp 321-329

~~-1.086~~ .942 .705 .486 .335 .092 -.030 -.098 -.174

Ps 301-309 14.003 13.874 14.155 14.638 11.125 12.033 12.192 12.210 12.196

Ps 201-206 11.900 12.077 12.151 12.074 11.852 11.641

Ps 207-212 11.060 11.150 11.206 11.157 11.041 10.936

Ps 213-224 12.015 9.681 ~~9.607~~ n.g. 9.666 10.921 11.062 11.256 11.420 12.531 12.542 12.447

Ps 225-236 12.723 10.237 n.g. n.g. 9.992 10.477 10.593 10.781 10.982 ~~14.716~~ 12.451 12.733

Ps 237-245 14.958 14.150 12.533 11.588 11.430 11.923 11.885 11.557 11.517

Pcw = 11.949 L = .0346 Pcb = 11.092 Ptc/Pcw = 1.234 Wc = 2.02 T = 84. B = 29.98

Run 15-11 C1 I0 S0 E1 Eng 2 α=0° β=10° m/m*= ~~.721~~ 0.817 0.807

Pt/Pto 131-144
~~.998~~ 1.000 .999 ~~.999~~ .993 .989 .998 .998 .998 .996 .991 .984 ~~.973~~ .978

Cp 330-344
~~-.167~~ -.583 -.778 -.627 -.467 .384 -.224 -.592 -.782 -.734 -.659 -.729 -1.604 -.615 -1.155

Pt/Pto 101-130
.922 .967 .947 .922 .999 1.000 .986 1.000 .997 .937
1.000 1.000 1.000 1.000 1.000 .961 1.000 1.000 1.000 1.000
1.000 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.777 Ptc/Pto = .988 K = .0797

Cp 310-320
~~-.119~~ .966 .926 .691 .544 .253 -.107 -.206 -.226 -.193 -.177

Cp 321-329
~~-1.037~~ .812 .483 .234 .089 -.114 -.154 -.184 -.230

Ps 301-309 14.326 14.242 14.481 10.978 11.476 12.074 12.197 12.230 12.223

Ps 201-206 11.914 12.085 12.179 12.081 11.857 11.652

Ps 207-212 11.070 11.162 11.215 11.169 11.054 10.944

Ps 213-224 12.038 9.800 ~~9.605~~ n.g. 9.894 10.982 11.137 11.318 11.465 12.550 12.570 12.466

Ps 225-236 13.338 11.002 n.g. n.g. 10.238 10.719 10.767 10.892 11.050 ~~14.704~~ 12.523 12.847

Ps 237-245 14.955 14.178 12.560 11.605 11.444 11.944 11.907 11.586 11.534

Pcw = 11.961 L = .0357 Pcb = 11.102 Ptc/Pcw = 1.235 Wc = 2.03 T = 85. B = 29.98

Run 15-12 C1 I0 S0 B1 Eng 2 α=4° β=10° m/m*=~~.711~~ 0.817 , 0.805

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~.999~~ .992 .988 .998 .998 .997 .995 .989 .983 ~~.973~~ .977

Cp 330-344

~~-.133~~ -.594 -.789 -.614 -.434 .340 -.306 -.679 -.850 -.778 -.688 -.731 -1.592 -.604 -1.122

Pt/Pto 101-130

.921 .968 .948 .920 .999 1.000 .989 1.000 .995 .935
1.000 1.000 1.000 1.000 1.000 .956 1.000 1.000 1.000 1.000
1.000 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.772 Ptc/Pto = .987 K = .0814

Cp 310-320

~~-.123~~ .976 .901 .655 .507 .220 -.114 -.201 -.209 -.167 -.134

Cp 321-329

~~-1.037~~ .879 .589 .336 .193 -.014 -.084 -.132 -.183

Ps 301-309 14.328 14.223 14.412 10.861 11.331 12.041 12.184 12.219 12.216

Ps 201-206 11.903 12.071 12.165 12.071 11.848 11.639

Ps 207-212 11.055 11.147 11.199 11.150 11.038 10.926

Ps 213-224 12.286 9.986 ~~9.618~~ n.g. 9.935 10.978 11.128 11.302 11.449 12.538 12.560 12.458

Ps 225-236 13.207 10.837 n.g. n.g. 10.183 10.664 10.721 10.856 11.022 ~~14.707~~ 12.509 12.831

Ps 237-245 14.959 14.183 12.556 11.591 11.427 11.930 11.893 11.569 11.522

Pcw = 11.949 L = .0356 Pcb = 11.086 Ptc/Pcw = 1.236 Wc = 2.03 T = 86. B = 29.98

Run 15-13 C1 I0 S0 B1 Eng 2 α=4° β=4° m/m*=~~.721~~ C.811 . 0.817

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~.999~~ .992 .988 .999 .999 .998 .996 .991 .985 ~~.973~~ .978

Cp 330-344
~~-.036~~ -.440 -.692 -.555 -.391 .384 -.285 -.662 -.836 -.764 -.667 -.696 -1.521 -.574 -1.101

Pt/Pto 101-130
.927 .956 .941 .930 1.000 1.000 .987 .998 .958 .936
1.000 1.000 1.000 1.000 .984 .949 1.000 1.000 1.000 1.000
.999 .969 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.728 Ptc/Pto = .984 K = .0743

Cp 310-320
~~-.092~~ .972 .893 .664 .524 .245 -.078 -.156 -.159 -.118 -.082

Cp 321-329
~~-.981~~ .972 .779 .563 .416 .169 .015 -.071 -.165

Ps 301-309 14.014 13.863 14.064 14.518 10.994 12.005 12.178 12.201 12.190

Ps 201-206 11.892 12.069 12.147 12.067 11.845 11.634

Ps 207-212 11.049 11.138 11.195 11.149 11.035 10.928

Ps 213-224 12.239 9.857 ~~9.618~~ n.g. 9.695 10.920 11.049 11.238 11.399 12.519 12.531 12.441

Ps 225-236 12.561 10.065 n.g. n.g. 9.930 10.430 10.556 10.752 10.961 ~~14.715~~ 12.420 12.705

Ps 237-245 14.956 14.167 12.552 11.595 11.429 11.916 11.873 11.548 11.507

Pcw = 11.942 L = .0348 Pcb = 11.082 Ptc/Pcw = 1.233 Wc = 2.01 T = 87. B = 29.98

Run 15-14 C1 I0 S0 B1 Eng 2 α=4° β=-4° m/m*=~~.721~~ 0.803, 0.820

Pt/Pto 131-144

~~.996~~ .999 .999 ~~.999~~ .992 .988 .999 1.000 .999 .997 .992 .987 ~~.974~~ .978

Cp 330-344

~~.184~~ -.303 -.619 -.541 -.407 .381 -.291 -.659 -.831 -.758 -.662 -.693 -1.501 -.575 -1.146

Pt/Pto 101-130

.929 .908 .954 .943 1.000 1.000 .987 .934 .966 .936
1.000 1.000 1.000 .950 .968 .959 1.000 1.000 1.000 .966
.977 .986 1.000 1.000 1.000 .992 .996 1.000 1.000 1.000

Ptc = 14.636 Ptc/Pto = .978 K = .0939

Cp 310-320

~~-.128~~ .833 .789 .586 .454 .192 -.102 -.174 -.178 -.142 -.105

Cp 321-329

~~-.948~~ .943 .943 .795 .659 .391 .139 .000 -.139

Ps 301-309 13.489 13.185 13.416 14.085 10.780 11.869 12.057 12.063 12.085

Ps 201-206 11.833 11.983 12.129 12.033 11.800 11.583

Ps 207-212 10.987 11.081 11.173 11.083 10.975 10.869

Ps 213-224 12.186 9.754 ~~9.603~~ n.g. n.g. 10.821 10.946 11.145 11.316 12.425 12.413 12.358

Ps 225-236 11.611 n.g. n.g. n.g. 9.565 10.258 10.481 10.710 10.935 ~~14.708~~ 12.196 12.519

Ps 237-245 14.955 14.110 12.465 11.494 11.324 11.814 11.767 11.431 11.418

Pcw = 11.893 L = .0373 Pcb = 11.028 Ptc/Pcw = 1.231 Wc = 1.99 T = 87. B = 29.98

Run 15-15 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*=~~.711~~ 0.810

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.975~~ .979

Cp 330-344

~~-.131~~ -.306 -.594 -.508 -.371 .442 -.197 -.570 -.759 -.711 -.631 -.680 -1.502 -.557 -1.114

Pt/Pto 101-130

.928 .935 .949 .938 .999 .999 .984 .977 .963 .938
1.000 1.000 1.000 .990 .976 .957 1.000 1.000 1.000 .997
.994 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.714 Ptc/Pto = .983 K = .0726

Cp 310-320

~~-.092~~ .902 .893 .693 .561 .285 -.049 -.132 -.149 -.118 -.084

Cp 321-329

~~-.928~~ .981 .840 .638 .488 .228 .055 -.043 -.146

Ps 301-309 13.853 13.648 13.841 14.392 10.967 11.974 12.160 12.174 12.170

Ps 201-206 11.891 12.058 12.160 12.075 11.848 11.638

Ps 207-212 11.054 11.139 11.206 11.150 11.039 10.935

Ps 213-224 11.984 9.621 ~~9.590~~ n.g. 9.556 10.873 11.014 11.218 11.387 12.509 12.509 12.427

Ps 225-236 12.272 9.754 n.g. n.g. 9.805 10.368 10.525 10.749 10.977 14.718 12.349 12.666

Ps 237-245 14.956 14.138 12.527 11.581 11.420 11.904 11.863 11.534 11.500

Pcw = 11.945 L = .0355 Pcb = 11.087 Ptc/Pcw = 1.232 Wc = 2.01 T = 87. B = 29.98

Run 15-16 C1 I0 S0 B1 Eng 2 α=0° β=0° m/m*= ~~.722~~ 0.810

Pt/Pto 131-144

1.000	1.000	1.000	.998	.993	.989	.999	1.000	.999	.998	.993	.988	.974	.979

Cp 330-344

~~-.131~~	-.309	-.597	-.509	-.372	.436	-.200	-.575	-.763	-.712	-.633	-.682	-1.485	-.558	-1.104

Pt/Pto 101-130

.928	.938	.950	.938	1.000	1.000	.983	.977	.964	.938
1.000	1.000	1.000	.990	.977	.957	.939	1.000	1.000	.997
.994	.982	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.683 Ptc/Pto = .984 K = .0730

Cp 310-320

~~-.892~~	.901	.879	.687	.550	.278	-.054	-.136	-.148	-.121	-.088

Cp 321-329

~~-.466~~	.971	.822	.631	.481	.221	.049	-.048	-.148

Ps 301-309 13.877 13.678 13.880 14.432 11.005 11.975 12.144 12.153 12.149

Ps 201-206 11.870 12.041 12.137 12.053 11.830 11.609

Ps 207-212 11.042 11.129 11.193 11.144 11.025 10.921

Ps 213-224 12.012 9.661 ~~9.749~~ n.g. 9.592 10.890 11.031 11.229 11.395 12.489 12.490 12.406

Ps 225-236 12.259 9.770 n.g. n.g. 9.878 10.388 10.544 10.760 10.987 14.682 12.334 12.647

Ps 237-245 14.921 14.083 12.464 11.536 11.381 11.887 11.831 11.515 11.488

Pcv = 11.923 L = .0359 Pcb = 11.075 Ptc/Pcv = 1.231 Mc = 2.03 T = 70. B = 29.91

Run 11-7 C1 I0 S0 B0 Eng 2 α=0° β=0° m/m°=.338 ~~0.371~~ 0.374

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.998~~ .998

Cp 330-344
~~.000~~ .000 .000 -.000 -.000 .000 -.000 .000 -.000 -.000 -.000 -.001 -.003 -.000 -.003

Pt/Pto 101-130
.987 .975 .990 .990 .999 1.000 .989 .975 .994 .998
1.000 1.000 .994 .976 .993 1.000 1.000 1.000 .997 .979
.991 1.000 1.000 1.000 .996 .987 .993 1.000 1.000 1.000

Ptc = 14.470 Ptc/Pto = .993 K = .0257

Cp 310-320
~~.000~~ -.011 -.005 -.003 -.002 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.003 -.006 -.002 -.001 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13.398 13.406 13.438 13.588 13.783 14.029 13.983 13.984 14.002

Ps 201-206 13.985 14.021 14.047 14.019 13.962 13.927

Ps 207-212 13.843 13.884 13.877 13.848 13.845 13.824

Ps 213-224 12.762 13.084 ~~11.469~~ 13.441 13.654 13.775 13.823 13.862 13.888 14.022 14.023 14.058

Ps 225-236 13.485 13.558 13.605 13.698 13.707 13.709 13.714 13.719 13.726 ~~14.562~~ 13.993 14.069

Ps 237-245 14.560 14.341 13.993 13.839 ~~13.831~~ 13.926 13.922 13.863 13.872

Pcv = 13.993 L = .0083 Pcb = 13.853 Ptc/Pcv = 1.034 Wc = .92 T = 69. B = 29.63

Run 11-6 C1 I0 S0 B0 Eng 2 α=0° β=0° m/m*=~~.474~~ 0.519

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 ~~.995~~ .994

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.000 -.000 .000 -.000 -.000 -.000 -.000 -.001 -.007 -.001 -.006

Pt/Pto 101-130

.979 .950 .982 .987 1.000 1.000 .978 .948 .991 .999

1.000 1.000 .986 .948 .992 .999 1.000 1.000 .990 .952

.988 1.000 1.000 1.000 .987 .967 .988 .999 1.000 1.000

Ptc = 14.375 Ptc/Pto = .987 K = .0532

Cp 310-320

~~-.000~~ -.023 -.010 -.005 -.003 -.001 -.000 -.000 -.000 -.000 .000

Cp 321-329

-.003 -.012 -.005 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 12.158 12.199 12.267 12.546 12.934 13.456 13.363 13.368 13.413

Ps 201-206 13.362 13.446 13.497 13.457 13.330 13.252

Ps 207-212 13.102 13.203 13.158 13.104 13.070 13.039

Ps 213-224 10.970 11.579 ~~11.867~~ 12.297 12.725 12.967 13.068 13.144 13.200 13.441 13.447 13.538

Ps 225-236 12.290 12.308 12.497 12.787 12.820 12.827 12.835 12.848 12.867 ~~14.557~~ 13.395 13.560

Ps 237-245 14.561 14.186 13.506 13.155 ~~13.103~~ 13.276 13.251 13.124 13.139

Pcv = 13.390 L = .0170 Pcb = 13.112 Ptc/Pcv = 1.074 Wc = 1.30 T = 69. B = 29.63

Run 11-3 C1 I0 S0 B0 Eng 2 α=0° β=0° m/m*=.540 0.594

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .999 .992 992

Cp 330-344
.000 .000 -.000 -.000 -.000 -.000 .000 -.000 -.000 -.000 -.000 -.001 -.009 -.001 -.007

Pt/Pto 101-130
.955 .932 .977 .981 1.000 1.000 .956 .930 .989 .995
1.000 1.000 .975 .930 .988 .999 1.000 1.000 .989 .938
.985 1.000 1.000 1.000 .990 .962 .988 1.000 1.000 1.000

Ptc = 14.301 Ptc/Pto = .982 K = .0717

Cp 310-320
.000 -.030 -.013 -.007 -.005 -.002 -.000 -.000 -.000 .000 .000

Cp 321-329
-.002 -.016 -.006 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 11.317 11.362 11.435 11.786 12.323 13.031 12.933 12.930 12.982

Ps 201-206 12.907 13.013 13.096 13.040 12.870 12.762

Ps 207-212 12.521 12.659 12.615 12.567 12.471 12.446

Ps 213-224 9.890 10.590 11.147 11.454 12.031 12.363 12.502 12.613 12.690 13.066 13.047 13.128

Ps 225-236 11.519 11.354 11.633 12.038 12.168 12.189 12.195 12.215 12.248 14.556 12.978 13.194

Ps 237-245 14.557 14.038 13.103 12.621 12.552 12.800 12.770 12.599 12.621

Pcv = 12.948 L = .0233 Pcb = 12.546 Ptc/Pcv = 1.105 Wc = 1.49 T = 69. B = 29.63

Run 11-2 C1 I0 S0 B0 Eng 2 α=0° β=0° m/m*=.620 0.672

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 .999 .999 .999 .999 .999 .998 ~~.990~~ .989

Cp 330-344

~~-.000~~ .000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.012 -.002 -.010

Pt/Pto 101-130

.953 .910 .968 .966 1.000 1.000 .980 .914 .976 .996

1.000 1.000 .996 .916 .964 1.000 1.000 1.000 .997 .923

.952 1.000 1.000 1.000 .993 .949 .967 1.000 1.000 1.000

Ptc = 14.233 Ptc/Pto = .977 K = .0927

Cp 310-320

~~-.001~~ -.031 -.013 -.007 -.004 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.002 -.023 -.010 -.006 -.004 -.001 -.000 -.000 -.000

Ps 301-309 14.534 14.507 14.527 10.734 11.267 12.515 12.367 12.378 12.437

Ps 201-206 12.320 12.478 12.571 12.502 12.285 12.142

Ps 207-212 11.772 11.971 11.995 11.825 11.788 11.693

Ps 213-224 n.g. n.g. ~~11.251~~ 10.276 11.085 11.543 11.730 11.875 11.981 12.554 12.569 12.662

Ps 225-236 10.476 10.282 10.621 11.153 11.386 11.414 11.423 11.438 11.470 ~~14.553~~ 12.409 12.680

Ps 237-245 14.555 13.860 12.568 11.892 ~~11.792~~ 12.169 12.127 11.897 11.939

Pcw = 12.383 L = .0301 Pcb = 11.841 Ptc/Pcw = 1.149 Wc = 1.70 T = 69. B = 29.63

BLANK PAGE

PRECEDING PAGE

Tabulated Data for Model Configuration C1 I0 S1 B1

(a) q = 0

Run 19-1 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=. ~~0.614~~

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 .999 .999 ~~.989~~ .997

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.003 -.016 -.002 -.013

Pt/Pto 101-130

.922 .855 .942 .979 .999 .999 .972 .862 .955 .990
1.000 1.000 .998 .872 .945 .996 1.000 1.000 .999 .894
.932 .999 1.000 1.000 .996 .940 .957 .999 1.000 1.000

Ptc = 14.250 Ptc/Pto = .967 K = .1499

Cp 310-320

-.001 -.045 -.019 -.010 -.006 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

~~-.026~~ -.029 -.013 -.007 -.004 -.002 -.000 -.000 -.000

Ps 301-309 12.904 12.746 12.792 13.287 13.928 11.498 11.392 11.442 11.564

Ps 201-206 11.360 11.590 11.736 11.689 11.351 11.125

Ps 207-212 14.516 10.787 10.887 14.635 14.491 14.383

Ps 213-224 n.g. n.g. 11.183 n.g. 9.584 10.266 10.508 10.704 10.845 11.794 11.812 11.885

Ps 225-236 n.g. n.g. n.g. n.g. 9.938 10.345 10.381 10.331 10.293 ~~14.726~~ 11.485 11.877

Ps 237-245 12.948 12.948 12.950 12.951 12.948 11.664 11.265 10.830 10.885

Pcw = 11.475 L = .0429 Pcb = 13.283 Ptc/Pcw = 1.242 Wc = 2.03 T = 57. B = 29.99

Run 19-2 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=.677 0.742

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000 .999 .999 .999 .999 .990 .997

Cp 330-344
-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.014 -.002 -.011

Pt/Pto 101-130
.944 .877 .956 .972 .999 .999 .990 .882 .961 .978
1.000 1.000 .999 .891 .943 .990 1.000 1.000 .999 .910
.933 .998 1.000 1.000 .997 .951 .963 .999 1.000 1.000

Ptc = 14.313 Ptc/Pto = .971 K = .1267

Cp 310-320
-.001 -.040 -.017 -.009 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.027 -.027 -.012 -.006 -.004 -.002 -.000 -.000 -.000

Ps 301-309 13.772 13.617 13.710 14.171 10.753 12.085 11.954 11.991 12.069

Ps 201-206 11.939 12.122 12.236 12.164 11.887 11.725

Ps 207-212 11.234 11.446 11.542 11.317 11.236 11.131

Ps 213-224 n.g. n.g. 10.654 n.g. 10.427 11.000 11.209 11.367 11.489 12.246 12.288 12.361

Ps 225-236 9.820 n.g. n.g. 10.016 10.833 11.062 11.072 11.026 10.997 14.726 11.998 12.328

Ps 237-245 13.259 13.261 13.262 13.263 13.260 12.152 11.819 11.463 11.492

Pcw = 12.012 L = .0357 Pcb = 11.318 Ptc/Pcw = 1.192 Wc = 1.89 T = 57. B = 29.99

Run 19-3 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.744

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	1.000	.999	.999	.991	.997

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.013	-.002	-.011

Pt/Pto 101-130

.925	.880	.952	.977	1.000	.999	.959	.885	.962	.988
1.000	1.000	.995	.895	.956	.996	1.000	1.000	.999	.913
.951	.999	1.000	1.000	.997	.953	.972	1.000	1.000	1.000

Ptc = 14.288 Ptc/Pto = .972 K = .1236

Cp 310-320

~~-.001~~	-.040	-.017	-.009	-.006	-.002	-.000	-.000	-.000	-.000	-.000

Cp 321-329

~~-.006~~	-.024	-.010	-.006	-.004	-.001	-.000	-.000	-.000

Ps 301-309	13.794	13.630	13.749	14.225	10.781	12.089	11.973	12.007	12.094
Ps 201-206	11.957	12.133	12.262	12.199	11.916	11.736			
Ps 207-212	11.255	11.468	11.519	11.348	11.277	11.172			

Ps 213-224	n.g.	n.g.	12:779	9.515	10.479	11.030	11.237	11.402	11.517	12.303	12.307	12.343
Ps 225-236	9.941	n.g.	n.g.	9.986	10.832	11.113	11.144	11.099	11.068	14.689	12.030	12.362
Ps 237-245	13.240	13.256	13.254	13.250	13.253	12.180	11.858	11.514	11.541			

Pcw = 12.034 L = .0368 Pcb = 11.340 Ptc/Pcw = 1.187 Wc = 1.86 T = 64. B = 29.91

gsc

Run 19-4 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=. 0.783

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	.999	.999	.999	.989	.997

Cp 330-344

-.000	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.015	-.002	-.013

Pt/Pto 101-130

.921	.852	.936	.972	.999	.997	.940	.861	.947	.986
1.000	.998	.964	.875	.935	.995	1.000	.999	.987	.901
.927	.999	1.000	.999	.996	.947	.958	.999	1.000	1.000

Ptc = 14.158 Ptc/Pto = .963 K = .1537

Cp 310-320

-.001	-.043	-.018	-.010	-.006	-.002	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.007	-.028	-.012	-.006	-.004	-.002	-.000	-.000	-.000

Ps 301-309 12.918 12.789 12.805 13.256 13.837 11.442 11.369 11.439 11.555

Ps 201-206 11.372 11.588 11.733 11.683 11.358 11.127

Ps 207-212 14.514 10.776 10.899 14.627 14.533 14.413

Ps 213-224 n.g. n.g. 11.787 n.g. 9.595 10.220 10.440 10.671 10.820 11.727 11.774 11.848

Ps 225-236 n.g. n.g. n.g. n.g. 9.810 10.295 10.353 10.323 10.296 14.685 11.483 11.853

Ps 237-245 12.854 12.870 12.869 12.860 12.864 11.665 1 280 10.866 10.920

Pcw = 11.477 L = .0428 Pcb = 13.294 Ptc/Pcw = 1.234 Wc = 1.98 T = 64. B = 29.91

Run 20-1 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.978~~ .981

Cp 330-344

~~+133~~ -.299 -.577 -.485 -.331 .443 -.184 -.555 -.736 -.679 -.591 -.574 -1.151 -.472 -.860

Pt/Pto 101-130

.961	.960	.956	.951	1.000	1.000	1.000	.996	.967	.956
1.000	1.000	1.000	.999	.986	.969	1.000	1.000	1.000	1.000
.999	.988	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.812 Ptc/Pto = .990 K = .0493

Cp 310-320

~~-.083~~ .960 .825 .602 .470 .215 -.077 -.154 -.155 -.126 -.090

Cp 321-329

~~-1.772~~ .947 .755 .548 .406 .165 .012 -.067 -.160

Ps 301-309 11.166 11.006 11.276 11.706 12.101 12.670 12.739 12.830 12.858

Ps 201-206 12.664 12.790 12.842 12.791 12.602 12.445

Ps 207-212 12.049 12.107 12.142 12.116 12.051 11.968

Ps 213-224 12.886 10.952 ~~10.553~~ 10.688 11.012 11.871 11.977 12.107 12.215 13.081 13.116 13.055

Ps 225-236 12.956 10.874 9.810 10.058 11.211 11.454 11.565 11.708 11.860 ~~14.723~~ 12.986 13.235

Ps 237-245 13.776 13.776 13.776 13.777 13.776 12.915 12.680 12.400 12.352

Pcw = 12.689 L = .0268 Pcb = 12.072 Ptc/Pcw = 1.167 Wc = 1.88 T = 53. B = 29.99

Run 20-2 C1 I0 S1 B1 Eng 2 α=-4° β=0° m/m*=~~.697~~ 0.733

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~1.000~~ .994 .990 .999 1.000 1.000 .999 .995 .990 ~~.979~~ .981

Cp 330-344

~~.135~~ -.246 -.524 -.452 -.317 .486 -.099 -.463 -.658 -.624 -.553 -.557 -1.148 -.454 -.858

Pt/Pto 101-130

.959 .964 .956 .952 1.000 1.000 .999 .999 .969 .958
1.000 1.000 1.000 1.000 .989 .971 1.000 1.000 1.000 1.000
.999 .991 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.821 Ptc/Pto = .990 K = .0481

Cp 310-320

~~-.104~~ .957 .870 .662 .530 .270 -.042 -.129 -.139 -.118 -.094

Cp 321-329

~~-1.749~~ .927 .692 .483 .334 .096 -.024 -.092 -.165

Ps 301-309 11.195 11.055 11.367 11.807 12.201 12.681 12.746 12.836 12.865

Ps 201-206 12.669 12.798 12.848 12.797 12.606 12.450

Ps 207-212 12.053 12.111 12.148 12.121 12.056 11.972

Ps 213-224 12.686 10.808 ~~10.564~~ 10.635 10.977 11.856 11.975 12.110 12.217 13.088 13.122 13.059

Ps 225-236 13.087 11.012 9.926 10.135 11.251 11.480 11.583 11.720 11.865 ~~14.720~~ 13.012 13.252

Ps 237-245 13.785 13.785 13.785 13.786 13.784 12.920 12.686 12.407 12.356

Pcw = 12.695 L = .0268 Pcb = 12.077 Ptc/Pcw = 1.168 Wc = 1.88 T = 54. B = 29.99

Run 20-3 C1 I0 S1 B1 Eng 2 α=4° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.996~~	1.000	.999	~~1.000~~	.991	.988	.999	1.000	.999	.996	.992	.987	.977	.980

Cp 330-344

~~-.127~~	-.353	-.629	-.515	-.344	.399	-.267	-.637	-.804	-.723	-.620	-.579	-1.147	-.481	-.857

Pt/Pto 101-130

.963	.956	.956	.949	1.000	1.000	1.000	.992	.966	.955
1.000	1.000	1.000	.998	.982	.967	1.000	1.000	1.000	1.000
.998	.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.802 Ptc/Pto = .989 K = .0514

Cp 310-320

~~-.078~~	.959	.750	.537	.405	.156	-.108	-.174	-.168	-.127	-.087

Cp 321-329

~~-1.744~~	.968	.811	.616	.473	.227	.046	-.056	-.163

Ps 301-309 11.109 10.939 11.162 11.585 11.989 12.641 12.720 12.807 12.833

Ps 201-206 12.638 12.772 12.826 12.769 12.578 12.420

Ps 207-212 12.017 12.076 12.115 12.082 12.019 11.938

Ps 213-224 13.103 11.127 ~~10.605~~ 10.734 11.043 11.865 11.966 12.091 12.195 13.060 13.091 13.032

Ps 225-236 12.784 10.699 9.652 9.944 11.121 11.408 11.523 11.677 11.836 ~~14.718~~ 12.943 13.199

Ps 237-245 13.766 13.766 13.766 13.767 13.765 12.891 12.653 12.369 12.321

Pcw = 12.667 L = .0275 Pcb = 12.041 Ptc/Pcw = 1.169 Mc = 1.87 T = 56. B = 29.99

Run 20-4 C1 I0 S1 B1 Eng 2 α=0° β=-4° m/m*=.677 0.733

Pt/Pto 131-144

~~.998~~ 1.000 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .998 .994 .989 ~~.977~~ .980

Cp 330-344

~~.209~~ -.226 -.541 -.478 -.335 .426 -.201 -.566 -.745 -.687 -.600 -.588 -1.178 -.482 -.901

Pt/Pto 101-130

.957 .943 .963 .954 1.000 1.000 1.000 .967 .973 .952
1.000 1.000 1.000 .978 .978 .967 1.000 1.000 1.000 .990
.991 .990 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000

Ptc = 14.768 Ptc/Pto = .987 K = .0583

Cp 310-320

~~.189~~ .899 .764 .565 .437 .186 -.093 -.167 -.167 -.140 -.102

Cp 321-329

~~1.729~~ .969 .873 .696 .558 .301 .097 -.011 -.132

Ps 301-309 14.661 14.432 10.833 11.478 12.016 12.527 12.627 12.712 12.749

Ps 201-206 12.566 12.684 12.771 12.702 12.503 12.340

Ps 207-212 11.920 11.982 12.033 11.989 11.925 11.842

Ps 213-224 12.802 10.811 ~~10.608~~ 10.496 10.826 11.734 11.847 11.986 12.096 12.986 13.010 12.956

Ps 225-236 12.431 10.298 n.g. 9.741 10.928 11.273 11.421 11.603 11.788 ~~14.736~~ 12.823 13.087

Ps 237-245 13.770 13.771 13.771 13.771 13.770 12.819 12.568 12.271 12.229

Pcw = 12.594 L = .0292 Pcb = 11.948 Ptc/Pcw = 1.173 Mc = 1.88 T = 58. B = 29.99

Run 20-5 C1 I0 S1 B1 Eng 2 α=0° β=-10° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.998~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .999 .994 .989 ~~.976~~ .979

Cp 330-344

~~.279~~ -.160 -.511 -.497 -.395 .370 -.236 -.584 -.756 -.700 -.619 -.630 -1.262 -.522 -.999

Pt/Pto 101-130

.947 .909 .953 .974 1.000 1.000 .999 .919 .965 .964
1.000 1.000 1.000 .929 .973 .976 1.000 1.000 1.000 .945
.979 .995 1.000 1.000 1.000 .980 .993 1.000 1.000 1.000

Ptc = 14.670 Ptc/Pto = .980 K = .0934

Cp 310-320

-.162 .764 .677 .470 .350 .112 -.154 -.224 -.231 -.205 -.183

Cp 321-329

~~-1.707~~ .908 .982 .852 .733 .473 .210 .060 -.093

Ps 301-309 14.105 13.655 14.337 11.174 11.852 12.353 12.408 12.517 12.597

Ps 201-206 12.426 12.542 12.648 12.605 12.366 12.193

Ps 207-212 11.754 11.844 11.908 11.816 11.752 11.673

Ps 213-224 12.616 10.566 ~~10.584~~ 10.220 10.586 11.546 11.667 11.818 11.934 12.830 12.846 12.820

Ps 225-236 11.596 n.g. n.g. n.g. 10.651 11.10C 11.278 11.436 11.575 ~~14.702~~ 12.607 12.898

Ps 237-245 13.755 13.756 13.756 13.755 13.755 12.669 12.391 12.071 12.049

Pcw = 12.463 L = .0310 Pcb = 11.791 Ptc/Pcw = 1.177 Wc = 1.88 T = 59. B = 29.99

Run 20-6 C1 IO S1 B1 Eng 2 α=0° β=4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 .978 .981

Cp 330-344
~~.028~~ -.397 -.644 -.523 -.357 .433 -.191 -.563 -.745 -.688 -.600 -.580 -1.166 -.486 -.862

Pt/Pto 101-130
.965 .974 .956 .948 .999 1.000 1.000 1.000 .985 .957
1.000 1.000 1.000 1.000 .999 .971 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.841 Ptc/Pto = .991 K = .0522

Cp 310-320
~~-.083~~ .995 .843 .605 .473 .210 -.089 -.170 -.174 -.137 -.106

Cp 321-329
~~-1.711~~ .882 .598 .384 .241 .024 -.068 -.126 -.196

Ps 301-309 11.417 11.355 11.530 11.879 12.237 12.724 12.777 12.871 12.899

Ps 201-206 12.701 12.828 12.881 12.822 12.634 12.485

Ps 207-212 12.090 12.148 12.183 12.157 12.095 12.011

Ps 213-224 12.986 11.108 ~~10.606~~ 10.844 11.157 11.965 12.063 12.180 12.277 13.121 13.157 13.088

Ps 225-236 13.413 11.421 10.335 10.448 11.434 11.629 11.695 11.803 11.926 ~~14.726~~ 13.089 13.338

Ps 237-245 13.764 13.765 13.765 13.766 13.764 12.947 12.720 12.449 12.397

Pcw = 12.725 L = .0267 Pcb = 12.114 Ptc/Pcw = 1.166 Wc = 1.86 T = 60. B = 29.99

Run 20-7 C1 I0 S1 B1 Eng 2 α=0° β=10° m/m*= ~~.677~~ 0.734

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~.999~~ .993 .989 .998 .999 .998 .997 .992 .986 ~~.976~~ .979

Cp 330-344
~~-.164~~ -.575 -.765 -.607 -.435 .385 -.212 -.580 -.762 -.704 -.623 -.620 -1.252 -.531 -.906

Pt/Pto 101-130
.968 .979 .973 .947 .997 1.000 1.000 1.000 .999 .959
1.000 1.000 1.000 1.000 1.000 .976 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.866 Ptc/Pto = .993 K = .0540

Cp 310-320
~~-.122~~ .989 .823 .579 .440 .173 -.138 -.233 -.243 -.204 -.180

Cp 321-329
~~-1.668~~ .645 .314 .096 -.024 -.190 -.199 -.212 -.244

Ps 301-309 11.471 11.484 11.774 12.197 12.533 12.767 12.803 12.898 12.928

Ps 201-206 12.719 12.847 12.915 12.840 12.652 12.509

Ps 207-212 12.118 12.178 12.211 12.182 12.126 12.043

Ps 213-224 13.018 11.214 ~~10.688~~ 10.990 11.308 12.054 12.139 12.245 12.329 13.142 13.179 13.106

Ps 225-236 13.974 12.179 11.086 10.989 11.571 11.862 11.872 11.934 12.028 14.711 13.114 13.391

Ps 237-245 13.675 13.675 13.674 13.676 13.674 12.965 12.745 12.478 12.424

Pcw = 12.747 L = .0273 Pcb = 12.143 Ptc/Pcw = 1.166 Wc = 1.86 T = 62. B = 29.99

Run 20-9 C1 I0 S1 B1 Eng 2 α=-10° β=0° m/m*=.677 0.732

Pt/Pto 131-144
1.000 1.000 1.000 .999 .996 .992 .999 1.000 1.000 1.000 .997 .991 .979 .982

Cp 330-344
~~-123~~ -.161 -.428 -.393 -.287 .559 .047 -.301 -.509 -.509 -.465 -.505 -1.117 -.407 -.830

Pt/Pto 101-130
.956 .972 .957 .956 1.000 1.000 .999 1.000 .972 .962
1.000 1.000 1.000 1.000 .992 .977 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.797 Ptc/Pto = .991 K = .0450

Cp 310-320
~~-110~~ .951 .947 .749 .628 .368 .026 -.068 -.099 -.092 -.088

Cp 321-329
~~-329~~ .859 .583 .357 .204 -.026 -.114 -.160 -.200

Ps 301-309 11.222 11.191 11.507 11.951 12.351 12.734 12.783 12.872 12.900

Ps 201-206 12.713 12.833 12.880 12.832 12.639 12.494

Ps 207-212 12.109 12.167 12.202 12.167 12.113 12.034

Ps 213-224 12.325 10.611 11.012 10.634 10.993 11.893 12.019 12.152 12.264 13.112 13.146 13.082

Ps 225-236 13.280 11.283 10.216 10.378 11.393 11.598 11.679 11.801 11.935 14.675 13.061 13.285

Ps 237-245 13.759 13.762 13.760 13.759 13.760 12.949 12.720 12.456 12.407

Pcw = 12.732 L = .0260 Pcb = 12.132 Ptc/Pcw = 1.162 Wc = 1.82 T = 73. B = 29.91

Run 20-10 C1 I0 S1 B1 Eng 2 α=-20° β=0° m/m*=.627 0.732

Pt/Pto 131-144

1.000 1.000 1.000 1.000 .999 .995 1.000 1.000 1.000 1.000 .999 .994 .980 .981

Cp 330-344

-.095 -.021 -.250 -.270 -.228 .704 .314 .005 -.217 -.264 -.262 -.385 -1.072 -.295 -.775

Pt/Pto 101-130

.947 .972 .958 .958 1.000 1.000 .997 1.000 .975 .968

1.000 1.000 1.000 1.000 .995 .985 1.000 1.000 1.000 1.000

1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.804 Ptc/Pto = .992 K = .0543

Cp 310-320

-.178 .801 .987 .908 .807 .567 .192 .076 .021 -.004 -.028

Cp 321-329

-.320 .703 .351 .147 -.007 -.246 -.303 -.313 -.328

Ps 301-309 11.313 11.295 11.631 12.121 12.542 12.772 12.810 12.901 12.929

Ps 201-206 12.749 12.862 12.905 12.859 12.666 12.524

Ps 207-212 12.144 12.201 12.233 12.207 12.148 12.067

Ps 213-224 11.490 10.097 10.910 10.431 11.159 11.852 12.015 12.169 12.286 13.136 13.171 13.108

Ps 225-236 13.477 11.554 10.477 10.566 11.446 11.690 11.752 11.862 11.984 14.661 13.103 13.329

Ps 237-245 13.772 13.775 13.774 13.770 13.773 12.974 12.747 12.487 12.438

Pcw = 12.761 L = .0257 Pcb = 12.167 Ptc/Pcw = 1.160 Wc = 1.81 T = 74. B = 29.91

Run 20-11 C1 I0 S1 B1 Eng 2 α=10° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

.999	.999	.996	.993	.990	.987	.999	.998	.996	.993	.989	.985	.976	.979

Cp 330-344

~~-.111~~	-.422	-.688	-.540	-.351	.340	-.370	-.733	-.872	-.754	-.630	-.555	-1.102	-.465	-.828

Pt/Pto 101-130

.967	.955	.958	.948	1.000	1.000	1.000	.981	.969	.955
1.000	1.000	1.000	.990	.980	.967	1.000	1.000	1.000	.997
.995	.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.753 Ptc/Pto = .988 K = .0527

Cp 310-320

~~-.306~~	.948	.709	.447	.321	.090	-.132	-.183	-.170	-.109	-.064

Cp 321-329

~~-.308~~	1.005	.881	.685	.548	.295	.063	-.067	-.197

Ps 301-309 11.065 10.869 11.065 11.525 11.956 12.636 12.708 12.792 12.820

Ps 201-206 12.629 12.754 12.823 12.763 12.568 12.418

Ps 207-212 12.015 12.073 12.117 12.077 12.024 11.941

Ps 213-224 13.379 11.420 ~~10.925~~ 10.899 11.185 11.927 12.004 12.115 12.209 13.038 13.066 13.010

Ps 225-236 12.568 10.546 9.614 9.983 11.148 11.431 11.552 11.712 11.872 14.674 12.898 13.155

Ps 237-245 13.725 13.727 13.723 13.724 13.726 12.872 12.634 12.359 12.316

Pcv = 12.659 L = .0275 Pcb = 12.041 Ptc/Pcv = 1.165 Wc = 1.82 T = 74. B = 29.91

Run 20-12 C1 I0 S1 B1 Eng 2 α=20° β=0° m/m· = ~~.677~~ 0.730

Pt/Pto 131-144

.999	.997	.995	.992	.989	.986	.999	.998	.995	.993	.989	.985	.976	.979

Cp 330-344

-.056	-.511	-.734	-.547	-.370	.271	-.478	-.813	-.897	-.734	-.588	-.498	-1.077	-.427	-.816

Pt/Pto 101-130

.969	.934	.956	.956	1.000	1.000	1.000	.953	.969	.956
1.000	1.000	1.000	.964	.976	.959	1.000	1.000	1.000	.977
.986	.977	.999	1.000	1.000	.996	.998	.999	1.000	1.000

Ptc = 14.690 Ptc/Pto = .984 K = .0669

Cp 310-320

-.181	.865	.587	.355	.241	.040	-.115	-.149	-.112	-.067	-.047

Cp 321-329

-.331	.892	.896	.753	.628	.367	.049	-.118	-.277

Ps 301-309 10.734 14.520 10.797 11.368 11.880 12.552 12.615 12.692 12.747

Ps 201-206 12.546 12.659 12.765 12.697 12.489 12.333

Ps 207-212 11.917 11.973 12.034 11.982 11.925 11.843

Ps 213-224 13.625 11.634 10.977 10.926 11.213 11.875 11.938 12.042 12.129 12.957 12.974 12.932

Ps 225-236 12.050 10.085 n.g. 9.814 11.003 11.338 11.484 11.656 11.822 14.662 12.779 13.046

Ps 237-245 13.664 13.666 13.665 13.663 13.664 12.791 12.537 12.245 12.216

Pcv = 12.581 L = .0294 Pcb = 11.946 Ptc/Pcv = 1.168 Wc = 1.82 T = 75. B = 29.91

Run 21-1 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=~~.711~~ 0.816

Pt/Pto 131-144

~~.998~~	1.000	.999	~~1.000~~	.993	.989	.999	1.000	.999	.998	.993	.988	~~.974~~	.979

Cp 330-344

~~.127~~	-.309	-.600	-.512	-.376	.434	-.202	-.577	-.764	-.715	-.635	-.686	-1.493	-.561	-1.112

Pt/Pto 101-130

.939	.937	.948	.936	1.000	1.000	.999	.979	.961	.943
1.000	1.000	1.000	.992	.975	.960	1.000	1.000	1.000	.998
.994	.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.742 Ptc/Pto = .985 K = .0648

Cp 310-320

~~-.096~~	.905	.896	.690	.552	.276	-.053	-.138	-.146	-.120	-.089

Cp 321-329

~~-1.669~~	.979	.800	.630	.483	.221	.048	-.049	-.148

Ps 301-309	13.761	13.553	13.802	14.429	11.043	11.862	11.985	12.103	12.143		
Ps 201-206	11.855	12.026	12.119	12.046	11.797	11.584					
Ps 207-212	11.004	11.089	11.150	11.100	10.987	10.877					
Ps 213-224	12.018	9.624	~~10.304~~	n.g.	9.563	10.809	10.943	11.122	11.270	12.445	12.483	12.407
Ps 225-236	12.261	9.719	n.g.	n.g.	9.714	10.270	10.417	10.622	10.843	~~14.719~~	12.284	12.625
Ps 237-245	13.400	13.400	13.401	13.402	13.400	12.227	11.912	11.527	11.475			

Pcw = 11.905 L = .0363 Pcb = 11.034 Ptc/Pcw = 1.238 Mc = 2.07 T = 65. B = 29.99

Run 21-2 C1 I0 S1 B1 Eng 2 α=-4° β=0° m/m*=~~.711~~ 0.814, 0.821

Pt/Pto 131-144

~~.999~~ 1.000 1.000 ~~.999~~ .994 .990 .999 1.000 1.000 .999 .995 .989 .975 .980

Cp 330-344

.124 -.258 -.544 -.483 -.363 .478 -.114 -.484 -.688 -.661 -.598 -.677 -1.503 -.551 -1.118

Pt/Pto 101-130

.934 .938 .947 .938 .999 1.000 .998 .984 .961 .946
1.000 1.000 1.000 .996 .978 .963 1.000 1.000 1.000 .999
.996 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.750 Ptc/Pto = .985 K = .0667

Cp 310-320

-.118 .885 .929 .746 .611 .334 -.018 -.110 -.131 -.113 -.095

Cp 321-329

-1.660 .950 .775 .569 .415 .154 .005 -.074 -.152

Ps 301-309 13.849 13.674 13.936 14.528 11.114 11.889 12.010 12.132 12.174

Ps 201-206 11.887 12.060 12.141 12.074 11.824 11.614

Ps 207-212 11.041 11.127 11.183 11.137 11.022 10.914

Ps 213-224 11.748 n.g. ~~10.199~~ n.g. n.g. 10.799 10.954 11.141 11.291 12.472 12.513 12.433

Ps 225-236 12.395 9.855 n.g. n.g. 9.756 10.307 10.450 10.650 10.865 ~~14.715~~ 12.325 12.660

Ps 237-245 13.404 13.404 13.405 13.406 13.404 12.255 11.944 11.564 11.507

Pcw = 11.934 L = .0357 Pcb = 11.071 Ptc/Pcw = 1.236 Wc = 2.06 T = 66. B = 29.99

Run 21-3 C1 I0 S1 B1 Eng 2 α=4° β=0° m/m*=~~.711~~ 0.813, 0.820

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .988 .999 .999 .999 .996 .992 .986 .973 .978

Cp 330-344

~~.118~~ -.363 -.649 -.542 -.391 .394 -.282 -.657 -.831 -.760 -.664 -.694 -1.490 -.570 -1.110

Pt/Pto 101-130

.942 .934 .948 .935 1.000 1.000 .999 .971 .962 .943
1.000 1.000 1.000 .986 .973 .959 1.000 1.000 1.000 .995
.992 .983 1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000

Ptc = 14.729 Ptc/Pto = .984 K = .0673

Cp 310-320

~~-.101~~ .923 .849 .635 .497 .225 -.081 -.157 -.158 -.122 -.081

Cp 321-329

~~-1.658~~ .984 .879 .688 .542 .278 .075 -.038 -.154

Ps 301-309 13.720 13.473 13.690 14.325 10.957 11.852 11.975 12.090 12.129

Ps 201-206 11.845 12.013 12.116 12.039 11.788 11.577

Ps 207-212 10.994 11.079 11.143 11.086 10.979 10.869

Ps 213-224 12.247 9.807 ~~10.150~~ n.g. 9.615 10.814 10.942 11.116 11.261 12.433 12.468 12.395

Ps 225-236 12.098 9.559 n.g. n.g. 9.660 10.246 10.405 10.615 10.839 ~~14.718~~ 12.256 12.598

Ps 237-245 13.383 13.383 13.384 13.385 13.383 12.215 11.898 11.511 11.461

Pcv = 11.896 L = .0366 Pcb = 11.025 Ptc/Pcv = 1.238 Mc = 2.06 T = 67. B = 29.99

Run 21-4 C1 I0 S1 B1 Eng 2 α=0° β=-4° m/m*=~~.711~~ 0.803, 0.822

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~.992~~ .993 .989 .999 1.000 1.000 .999 .994 .988 ~~.974~~ .979

Cp 330-344
~~.208~~ -.233 -.555 -.501 -.383 .424 -.212 -.582 -.769 -.719 -.641 -.697 -1.514 -.572 -1.150

Pt/Pto 101-130
.933 .916 .956 .943 1.000 1.000 .999 .946 .967 .942
1.000 1.000 1.000 .963 .968 .962 1.000 1.000 1.000 .978
.981 .990 1.000 1.000 1.000 .997 .999 1.000 1.000 1.000

Ptc = 14.687 Ptc/Pto = .981 K = .0860

Cp 310-320
~~-.132~~ .844 .848 .649 .517 .248 -.068 -.150 -.157 -.139 -.101

Cp 321-329
~~-1.652~~ .967 .932 .762 .619 .350 .127 .005 -.119

Ps 301-309 13.356 13.029 13.447 14.265 11.039 11.795 11.926 12.037 12.095

Ps 201-206 11.833 11.988 12.117 12.033 11.781 11.567

Ps 207-212 10.981 11.069 11.153 11.078 10.969 10.859

Ps 213-224 11.955 9.535 ~~9.990~~ n.g. n.g. 10.752 10.892 11.079 11.231 12.398 12.425 12.371

Ps 225-236 11.752 n.g. n.g. n.g. n.g. 10.195 10.402 10.631 10.862 ~~14.710~~ 12.177 12.511

Ps 237-245 13.404 13.405 13.405 13.406 13.404 12.190 11.864 11.471 11.433

Pcw = 11.887 L = .0374 Pcb = 11.018 Ptc/Pcw = 1.236 Wc = 2.05 T = 68. B = 29.99

Run 21-5 C1 I0 S1 B1 Eng 2 α=0° β=-10° m/m*=.711 0.791, 0.820

Pt/Pto 131-144
~~.998~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 .999 .994 .989 .973 .978

Cp 330-344
~~.298~~ -.168 -.527 -.520 -.434 .361 -.246 -.598 -.780 -.732 -.657 -.731 -1.562 -.605 -1.230

Pt/Pto 101-130
.947 .881 .936 .970 1.000 1.000 .997 .892 .950 .957
1.000 1.000 1.000 .906 .960 .969 1.000 1.000 1.000 .928
.969 .992 1.000 1.000 1.000 .971 .987 1.000 1.000 1.000

Ptc = 14.565 Ptc/Pto = .973 K = .1224

Cp 310-320
~~-.174~~ .676 .711 .524 .405 .157 -.136 -.214 -.233 -.202 -.184

Cp 321-329
~~-1.627~~ .837 .959 .882 .769 .505 .228 .074 -.083

Ps 301-309 13.041 12.568 13.125 13.984 10.795 11.682 11.753 11.884 11.994

Ps 201-206 11.761 11.919 12.046 12.016 11.718 11.501

Ps 207-212 10.908 11.041 11.140 10.999 10.890 10.791

Ps 213-224 11.855 n.g. ~~9.891~~ n.g. n.g. 10.655 10.801 10.997 11.146 12.288 12.299 12.279

Ps 225-236 10.969 n.g. n.g. n.g. n.g. 10.049 10.308 10.520 10.697 ~~14.698~~ 12.006 12.365

Ps 237-245 13.406 13.407 13.407 13.408 13.406 12.093 11.741 11.334 11.324

Pcw = 11.827 L = .0374 Pcb = 10.961 Ptc/Pcw = 1.231 Wc = 2.02 T = 68. B = 29.99

Run 21-8 C1 I0 S1 B1 Eng 2 α=0° β=4° m/m*=.711 0.811 0.820

Pt/Pto 131-144

~~.998~~	1.000	.999	~~.999~~	.993	.989	.999	.999	.999	.998	.993	.987	~~.974~~	.979

Cp 330-344

~~.022~~	-.404	-.659	-.544	-.396	.427	-.200	-.576	-.766	-.716	-.639	-.691	-1.513	-.572	-1.102

Pt/Pto 101-130

.942	.955	.940	.938	.999	1.000	.999	.999	.959	.948
1.000	1.000	1.000	1.000	.988	.958	1.000	1.000	1.000	1.000
.999	.982	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.773 Ptc/Pto = .987 K = .0629

Cp 310-320

~~-.096~~	.947	.916	.704	.564	.280	-.059	-.152	-.160	-.132	-.105

Cp 321-329

-1.576	.929	.695	.479	.328	.086	-.036	-.104	-.180

Ps 301-309 14.049 13.880 14.187 14.707 11.197 11.962 12.060 12.183 12.218

Ps 201-206 11.927 12.098 12.170 12.104 11.858 11.656

Ps 207-212 11.087 11.173 11.224 11.180 11.071 10.963

Ps 213-224 12.048 9.707 9.723 n.g. 9.702 10.902 11.032 11.204 11.344 12.511 12.557 12.469

Ps 225-236 12.735 10.244 n.g. n.g. 9.966 10.427 10.536 10.707 10.897 14.718 12.431 12.731

Ps 237-245 13.341 13.339 13.343 13.342 13.340 12.291 11.988 11.615 11.553

Pcw = 11.969 L = .0348 Pcb = 11.116 Ptc/Pcw = 1.234 Wc = 2.05 T = 71. B = 29.99

Run 21-7 C1 I0 S1 B1 Eng 2 α=0° β=10° m/m*=.711 0.819, 0.810

Pt/Pto 131-144

.998	1.000	.999	.999	.994	.989	.998	.998	.998	.996	.991	.984	.973	.978

Cp 330-344

.172	-.585	-.777	-.629	-.468	.379	-.221	-.592	-.783	-.734	-.660	-.728	-1.584	-.612	-1.138

Pt/Pto 101-130

.949	.966	.945	.929	.996	1.000	.999	1.000	.996	.944
.999	1.000	1.000	1.000	1.000	.965	1.000	1.000	1.000	1.000
1.000	.991	1.000	1.000	1.000	1.000	.999	1.000	1.000	1.000

Ptc = 14.809 Ptc/Pto = .989 K = .0718

Cp 310-320

.156	.925	.894	.683	.536	.247	-.109	-.213	-.229	-.198	-.180

Cp 321-329

1.607	.769	.447	.223	.077	-.123	-.161	-.191	-.234

Ps 301-309	14.354	14.316	14.560	11.037	11.506	12.009	12.082	12.215	12.255			
Ps 201-206	11.952	12.120	12.210	12.120	11.877	11.683						
Ps 207-212	11.120	11.208	11.256	11.213	11.104	10.996						
Ps 213-224	12.086	9.855	9.770	n.g.	9.974	10.990	11.129	11.286	11.410	12.543	12.594	12.495
Ps 225-236	13.374	11.043	n.g.	n.g.	10.257	10.709	10.739	10.847	10.990	14.706	12.513	12.861
Ps 237-245	13.258	13.258	13.259	13.258	13.256	12.317	12.023	11.660	11.594			

Pcv = 11.994 L = .0356 Pcb = 11.150 Ptc/Pcv = 1.235 Wc = 2.06 T = 70. B = 29.99

Run 21-9 C1 I0 S1 B1 Eng 2 α=0° β=0° m/m*=.711 0.811, 0.820

Pt/Pto 131-144

~~.996~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 .998 .993 .988 ~~.974~~ .979

Cp 330-344

~~.127~~ -.306 -.596 -.512 -.376 .435 -.197 -.573 -.765 -.712 -.634 -.684 -1.493 -.561 -1.112

Pt/Pto 101-130

.938 .936 .947 .937 1.000 1.000 .999 .979 .961 .944
1.000 1.000 1.000 .992 .975 .961 1.000 1.000 1.000 .998
.994 .986 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.737 Ptc/Pto = .985 K = .0653

Cp 310-320

~~-.092~~ .903 .894 .691 .554 .279 -.053 -.136 -.145 -.122 -.090

Cp 321-329

~~-1.583~~ .972 .833 .630 .482 .221 .046 -.047 -.148

Ps 301-309 13.772 13.566 13.804 14.425 11.039 11.870 11.996 12.114 12.155

Ps 201-206 11.872 12.040 12.135 12.060 11.809 11.603

Ps 207-212 11.022 11.109 11.168 11.118 11.006 10.899

Ps 213-224 12.006 9.619 ~~-9.671~~ n.g. 9.539 10.824 10.953 11.131 11.278 12.455 12.492 12.415

Ps 225-236 12.257 9.718 n.g. n.g. 9.743 10.276 10.425 10.634 10.854 ~~14.714~~ 12.294 12.634

Ps 237-245 13.378 13.378 13.379 13.380 13.377 12.238 11.924 11.542 11.489

Pcw = 11.920 L = .0361 Pcb = 11.054 Ptc/Pcw = 1.236 Wc = 2.05 T = 71. B = 29.98

Run 21-10 C1 I0 S1 B1 Eng 2 α=-10° β=0° m/m*=~~.711~~ 0.821

Pt/Pto 131-144

.999	1.000	1.000	.999	.996	.992	.999	1.000	1.000	.999	.997	.991	.976	.980

Cp 330-344

~~-.117~~	-.169	-.445	-.416	-.329	.555	.036	-.318	-.535	-.543	-.506	-.621	-1.456	-.497	-1.078

Pt/Pto 101-130

.932	.950	.946	.941	1.000	1.000	.997	.996	.960	.950
1.000	1.000	1.000	.999	.983	.968	1.000	1.000	1.000	1.000
.999	.992	.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.733 Ptc/Pto = .987 K = .0684

Cp 310-320

-.145	.816	.960	.822	.700	.428	.051	-.052	-.086	-.087	-.084

Cp 321-329

~~-.443~~	.894	.658	.449	.289	.031	-.081	-.139	-.187

Ps 301-309 14.041 13.905 14.192 10.754 11.285 11.937 12.036 12.161 12.202

Ps 201-206 11.920 12.092 12.161 12.104 11.856 11.648

Ps 207-212 11.096 11.181 11.232 11.192 11.076 10.972

Ps 213-224 11.316 n.g. 10.887 n.g. 9.518 10.838 10.998 11.187 11.336 12.497 12.538 12.455

Ps 225-236 12.587 10.098 n.g. n.g. 9.920 10.410 10.529 10.710 10.910 14.669 12.381 12.692

Ps 237-245 13.376 13.384 13.381 13.376 13.378 12.282 11.978 11.610 11.551

Pcw = 11.964 L = .0348 Pcb = 11.125 Ptc/Pcw = 1.232 Wc = 2.06 T = 62. B = 29.91

Run 21-11 C1 I0 S1 B1 Eng 2 α=-20° β=0° m/m*=~~.711~~ 0.821

Pt/Pto 131-144

1.000	1.000	1.000	1.000	.998	.994	.999	1.000	1.000	1.000	.999	.994	.977	.980

Cp 330-344

.085	-.031	-.264	-.292	-.263	.686	.297	-.014	-.241	-.302	-.303	-.498	-1.404	-.382	-1.018

Pt/Pto 101-130

.924	.956	.945	.944	.999	1.000	.994	1.000	.960	.955
1.000	1.000	1.000	1.000	.987	.975	1.000	1.000	1.000	1.000
1.000	.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.744 Ptc/Pto = .988 K = .0769

Cp 310-320

~~-.211~~	.585	.985	.938	.848	.610	.201	.086	.029	-.004	-.032

Cp 321-329

~~-.427~~	.730	.466	.239	.076	-.192	-.274	-.290	-.315

Ps 301-309 14.069 13.996 14.355 10.932 11.487 11.986 12.061 12.187 12.227

Ps 201-206 11.952 12.116 12.173 12.123 11.875 11.669

Ps 207-212 11.119 11.204 11.255 11.219 11.101 10.998

Ps 213-224 10.361 n.g. ~~10.616~~ n.g. 9.543 10.785 10.985 11.189 11.348 12.514 12.561 12.475

Ps 225-236 12.786 10.348 n.g. n.g. 9.974 10.473 10.578 10.748 10.933 14.654 12.440 12.740

Ps 237-245 13.385 13.392 13.389 13.385 13.387 12.302 12.002 11.637 11.577

Pcw = 11.985 L = .0342 Pcb = 11.149 Ptc/Pcw = 1.230 Wc = 2.05 T = 63. B = 29.91

Run 21-12 C1 I0 S1 B1 Eng 2 α=10° β=0° m/m*=.711 0.816

Pt/Pto 131-144

.999 .999 .997 .994 .990 .986 .999 .999 .996 .993 .989 .984 .972 .977

Cp 330-344

.104 -.433 -.706 -.566 -.402 .333 -.382 -.760 -.896 -.788 -.673 -.671 -1.434 -.555 -1.078

Pt/Pto 101-130

.949 .927 .950 .935 .999 1.000 1.000 .960 .961 .943

1.000 1.000 1.000 .975 .968 .958 1.000 1.000 1.000 .988

.986 .981 1.000 1.000 1.000 .999 .999 1.000 1.000 1.000

Ptc = 14.668 Ptc/Pto = .983 K = .0742

Cp 310-320

-.136 .896 .791 .550 .417 .157 -.107 -.167 -.160 -.104 -.064

Cp 321-329

~~-.422~~ .967 .910 .748 .609 .346 .089 -.052 -.189

Ps 301-309 13.670 13.375 13.591 14.254 10.911 11.838 11.943 12.053 12.095

Ps 201-206 11.822 11.984 12.105 12.022 11.768 11.556

Ps 207-212 10.978 11.065 11.138 11.071 10.969 10.858

Ps 213-224 12.568 10.130 ~~10.499~~ n.g. 9.779 10.848 10.966 1 .128 11.260 12.395 12.426 12.362

Ps 225-236 11.832 n.g. n.g. n.g. 9.721 10.275 10.431 10.640 10.865 14.668 12.191 12.527

Ps 237-245 13.312 13.318 13.315 13.312 13.314 12.180 11.860 11.478 11.436

Pcw = 11.876 L = .0374 Pcb = 11.013 Ptc/Pcw = 1.235 Wc = 2.05 T = 65. B = 29.91

Run 21-13 C1 I0 S1 B1 Eng 2 α=20° β=0° m/m*=.711 0.809, 0.817

Pt/Pto 131-144

.999	.998	.996	.993	.989	.986	.999	.998	.996	.993	.989	.984	.973	.978

Cp 330-344

~~.048~~	-.524	-.755	-.579	-.427	.268	-.491	-.834	-.926	-.771	-.634	-.612	-1.413	-.519 -1.069

Pt/Pto 101-130

.951	.909	.945	.948	1.000	1.000	1.000	.934	.960	.947
1.000	1.000	1.000	.949	.965	.947	1.000	1.000	1.000	.965
.977	.964	1.000	1.000	.999	.992	.997	.998	1.000	1.000

Ptc = 14.603 Ptc/Pto = .978 K = .0934

Cp 310-320

~~-.198~~	.894	.705	.468	.342	.111	-.088	-.130	-.102	-.067	-.050

Cp 321-329

~~-.326~~	.828	.920	.802	.681	.412	.055	-.106	-.269

Ps 301-309 13.366 13.050 13.465 14.237 10.884 11.743 11.830 11.939 11.994

Ps 201-206 11.723 11.876 12.026 11.949 11.680 11.457

Ps 207-212 10.858 10.950 11.051 10.968 10.849 10.740

Ps 213-224 12.864 10.380 ~~10.430~~ n.g. 9.809 10.733 10.869 11.025 11.155 12.297 12.322 12.270

Ps 225-236 11.244 n.g. n.g. n.g. n.g. 10.109 10.311 10.516 10.724 14.655 12.061 12.411

Ps 237-245 13.218 13.224 13.221 13.215 13.219 12.083 11.742 11.347 11.318

Pcw = 11.785 L = .0390 Pcb = 10.903 Ptc/Pcw = 1.239 Wc = 2.05 T = 67. B = 29.91

BLANK PAGE

PRECEDING PAGE BLANK

Tabulated Data for Configurations C1 I1 S0 B1 and C1 I1 S0 B0

(a) C1 I1 S0 B1; q = 33.3

Run 7-1 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m'=~~.474~~ 0.512

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~1.000~~ .993 .990 1.000 1.000 .999 .998 .994 .990 ~~.984~~ .984

Cp 330-344

~~.063~~ -.282 -.534 -.422 -.219 .458 -.157 -.509 -.673 -.598 ~~-.485~~ -.300 -.457 -.251 -.319

Pt/Pto 101-130

.985 .990 .987 .976 1.000 1.000 1.000 1.000 1.000 .982
1.000 .999 .999 1.000 1.000 .986 .999 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.889 Ptc/Pto = .997 K = .0238

Cp 310-320

.992 .724 .391 .181 .072 -.128 -.162 -.147 -.151 -.122 -.090

Cp 321-329

1.001 .746 .399 .195 .126 -.013 -.097 -.097 -.149

Ps 301-309 13.645 13.412 13.715 13.845 13.898 13.975 14.039 14.044 14.055

Ps 201-206 13.962 13.994 14.032 13.985 13.835 13.844

Ps 207-212 13.698 13.724 13.741 13.733 13.703 13.666

Ps 213-234 14.674 13.753 13.483 13.329 13.374 13.555 13.741 13.774 13.785 14.143 ~~14.172~~ 14.109

Ps 225-236 14.710 14.055 13.360 13.152 13.093 13.244 13.543 ~~14.471~~ 13.804 13.963 14.140 ~~14.266~~

Ps 237-245 14.936 14.623 14.072 13.791 13.741 14.063 13.959 13.828 13.816

Pcw = 13.942 L = .0134 Pcb = 13.711 Ptc/Pcw = 1.068 Wc = 1.32 T = 54. B = 29.93

Run 7-2 C1 I1 S0 B1 Erg 2 α=-4° β=0° m/m*=~~.474~~ 0.512

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.006~~ .994 .991 1.000 1.000 1.000 .999 .995 .991 ~~.984~~ .984

Cp 330-344
~~-.605~~ -.228 -.483 -.395 -.213 .502 -.072 -.420 -.597 -.541 ~~-.449~~ -.290 -.465 -.242 -.326

Pt/Pto 101-130
.984 .990 .985 .976 1.000 1.000 1.000 1.000 1.000 .985
1.000 1.000 1.000 1.000 1.000 .991 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.893 Ptc/Pto = .997 K = .0239

Cp 310-320
1.010 .807 .485 .271 .153 -.063 -.134 -.123 -.137 -.119 -.094

Cp 321-329
.970 .644 .395 .111 .052 -.078 -.140 -.122 -.155

Ps 301-309 13.929 13.478 13.781 13.895 13.936 13.975 14.045 14.049 14.060

Ps 201-206 13.971 14.001 14.039 13.996 13.841 13.852

Ps 207-212 13.707 13.733 13.745 13.740 13.713 13.675

Ps 213-224 14.601 13.664 13.415 13.294 13.357 13.577 13.744 13.778 13.792 14.151 ~~14.199~~ 14.116

Ps 225-236 14.754 14.137 13.440 13.217 13.140 13.289 13.566 ~~14.467~~ 13.624 13.973 14.148 ~~14.274~~

Ps 237-245 14.939 14.622 14.076 13.800 13.747 14.060 13.965 13.836 13.825

Pcw = 13.950 L = .0133 Pcb = 13.719 Ptc/Pcw = 1.068 Mc = 1.31 T = 56. B = 29.93

Run 7-3 C1 I1 S0 B1 Eng 2 α=-10° β=0° m/m*=~~.474~~ 0.510

Pt/Pto 131-144
~~.999~~ 1.000 1.000 ~~1.000~~ .996 .993 1.000 1.000 1.000 1.000 .997 .993 ~~.985~~ .984

Cp 330-344
~~-.035~~ -.152 -.388 -.342 -.198 .572 .073 -.264 -.453 -.432 ~~-.367~~ -.253 -.467 -.406 -.323

Pt/Pto 101-130
.982 .991 .986 .979 1.000 1.000 1.000 1.000 1.000 .990
1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.302 Ptc/Pto = .997 K = .0213

Cp 310-320
1.017 .929 .633 .428 .302 .069 -.062 -.008 -.097 -.097 -.086

Cp 321-329
.863 .553 .155 -.032 -.076 -.187 -.227 -.190 -.192

Ps 301-309 14.309 13.603 13.870 13.947 13.986 13.999 14.054 14.060 14.074

Ps 201-206 13.988 14.016 14.052 14.014 13.857 13.869

Ps 207-212 13.725 13.750 13.769 13.760 13.733 13.695

Ps 213-224 14.445 13.497 13.291 13.226 13.313 13.617 13.741 13.782 13.799 14.153 ~~14.166~~ 14.129

Ps 225-236 14.800 14.239 13.546 13.306 13.208 13.348 13.587 ~~14.463~~ 13.650 13.988 14.161 ~~14.289~~

Ps 237-245 14.939 14.634 14.096 13.822 13.769 14.071 13.982 13.854 13.842

Pcw = 13.966 L = .0131 Pcb = 13.739 Ptc/Pcw = 1.067 Wc = 1.30 T = 58. B = 29.94

Run 7-4 C1 I SO B1 Eng 2 α=-20° β=0° m/m*=~~.474~~ 0.511

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .999 .995 1.000 1.000 1.000 1.000 .999 .995 ~~.988~~ .984

Cp 330-344

~~-.696~~ -.013 -.212 -.220 -.152 .708 .335 .045 -.158 -.189 ~~-.165~~ -.137 -.417 -.100 -.269

Pt/Pto 101-130

.979 .990 .991 .982 1.000 1.000 .999 1.000 1.000 .998
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.912 Ptc/Pto = .998 K = .0215

Cp 310-320

.809 .971 .823 .675 .551 .311 .098 .071 .009 -.005 -.027

Cp 321-329

.561 .315 -.070 -.256 -.287 -.377 -.405 -.341 -.311

Ps 301-309 14.516 13.748 13.955 14.013 14.035 14.019 14.060 14.065 14.074

Ps 201-206 14.002 14.030 14.063 14.028 13.871 13.884

Ps 207-212 13.742 13.766 13.783 13.776 13.748 13.710

Ps 213-224 14.090 13.172 13.051 13.089 13.210 13.634 13.720 13.773 13.798 14.174 ~~14.173~~ 14.139

Ps 225-236 14.834 14.356 13.675 13.413 13.283 13.423 13.606 ~~14.449~~ 13.678 14.004 14.176 ~~14.302~~

Ps 237-245 14.944 14.645 14.115 13.843 13.788 14.083 13.997 13.870 13.857

Pcw = 13.980 L = .0128 Pcb = 13.754 Ptc/Pcw = 1.067 Wc = 1.30 T = 64. B = 29.94

Run 7-5 C1 I1 S0 B1 Eng 2 α=4° β=0° m/m*=.474 0.510

Pt/Pto 131-144

~~.997~~ 1.000 .998 ~~1.000~~ .992 .989 1.000 1.000 .998 .996 .992 .988 ~~.984~~ .984

Cp 330-344

~~.000~~ -.329 -.579 -.442 -.218 .415 -.236 -.587 -.735 -.630 ~~-.507~~ -.300 -.439 -.249 -.298

Pt/Pto 101-130

.986 .990 .988 .976 1.000 1.000 1.000 1.000 1.000 .981
1.000 1.000 1.000 1.000 1.000 .984 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.889 Ptc/Pto = .996 K = .0245

Cp 310-320

.913 .591 .260 .088 -.016 -.195 -.191 -.166 -.159 -.121 -.081

Cp 321-329

1.001 .798 .463 .280 .208 .043 -.064 -.088 -.143

Ps 301-309 13.581 13.375 13.670 13.815 13.898 13.986 14.054 14.057 14.069

Ps 201-206 13.986 14.017 14.053 14.008 13.859 13.869

Ps 207-212 13.726 13.750 13.768 13.761 13.732 13.695

Ps 213-224 14.745 13.872 13.587 13.407 13.433 13.575 13.770 13.803 13.810 14.162 ~~14.170~~ 14.124

Ps 225-236 14.668 13.992 13.313 13.125 13.089 13.237 13.556 ~~14.447~~ 13.622 13.981 14.157 ~~14.280~~

Ps 237-245 14.943 14.641 14.102 13.823 13.770 14.071 13.982 13.855 13.843

Pcw = 13.965 L = .0130 Pcb = 13.739 Ptc/Pcw = 1.066 Wc = 1.29 T = 66. B = 29.94

BLANK PAGE

Run 7-6 C1 I1 S0 B1 Eng 2 α=10° β=0° m/m*=~~.474~~ 0.511

Pt/Pto 131-144

~~.996~~ .998 .995 ~~.999~~ .990 .988 .999 .998 .995 .993 .990 .986 ~~.984~~ .983

Cp 330-344

~~-.031~~ -.394 -.634 -.464 -.321 .355 -.336 -.681 -.798 -.663 ~~-.518~~ -.287 -.430 -.242 -.290

Pt/Pto 101-130

.986 .989 .989 .972 1.000 1.000 1.000 1.000 1.000 .979
1.000 1.000 1.000 1.000 1.000 .983 1.000 1.000 1.000 1.000
1.000 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.887 Ptc/Pto = .996 K = .0280

Cp 310-320

.830 .456 .136 -.022 -.111 -.266 -.208 -.176 -.152 -.107 -.061

Cp 321-329

.983 .882 .606 .400 .316 .122 -.036 -.094 -.181

Ps 301-309 13.544 13.314 13.569 13.737 13.848 13.971 14.034 14.037 14.052

Ps 201-206 13.967 13.995 14.034 13.990 13.839 13.849

Ps 207-212 13.702 13.727 13.745 13.737 13.709 13.671

Ps 213-224 14.816 13.965 13.656 13.435 13.441 13.585 13.754 13.788 13.793 14.145 ~~14.147~~ 14.115

Ps 225-236 14.538 13.795 13.141 12.983 12.989 13.126 13.503 ~~14.440~~ 13.583 13.960 14.140 ~~14.261~~

Ps 237-245 14.043 14.631 14.080 13.737 13.743 14.054 13.963 13.834 13.822

Pcw = 13.946 L = .0131 Pcb = 13.715 Ptc/Pcw = 1.068 Mc = 1.29 T = 68. B = 29.94

Run 7-7 C1 I1 S0 B1 Eng 2 α=20° β=0° m/m· =.~~474~~ 0.519

Pt/Pto 131-144
~~.991~~ .996 .993 ~~.996~~ .989 .987 .990 .996 .993 .991 .989 .985 ~~.983~~ .983

Cp 330-344
~~-.083~~ -.477 - 677 -.471 -.228 .294 -.436 -.756 -.825 -.646 ~~-.431~~ -.245 -.414 -.211 -.287

Pt/Pto 101-130
.988 .989 .977 .971 1.000 1.000 1.000 1.000 .986 .979
1.000 1.000 1.000 1.000 .993 .988 1.000 1.000 1.000 1.000
.999 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.875 Ptc/pto = .995 K = .020

Cp 310-320
.684 .386 -.013 -.129 -.194 -.300 -.193 -.138 -.128 -.069 -.043

Cp 321-329
.845 .937 .721 .540 .443 .213 -.022 -.127 -.239

Ps 301-309 13.814 13.873 13.879 13.845 13.702 13.953 14.013 14.023 14.039

Ps 201-206 13.950 13.980 14.014 13.977 13.821 13.832

Ps 207-212 13.884 13.710 13.727 13.716 13.689 13.653

Ps 213-224 14.868 14.076 13.748 13.486 13.461 13.611 13.740 13.783 13.793 14.131 ~~14.128~~ 14.100

Ps 225-236 14.274 13.483 12.893 12.800 12.872 13.016 13.450 ~~14.447~~ 13.556 13.952 14.113 ~~14.21~~

Ps 237-245 14.043 14.627 14.067 13.781 13.724 14.042 13.945 13.815 13.803

Pcw = 13.929 L = .0130 Pcb = 13.697 Ptc/Pcw = 1.068 Wc = 1.29 T = 71. B = 29.94

Run 7-8 C1 I1 S0 B1 Eng 2 α=0° β=-4° m/m*=~~.474~~ 0.512

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~1.006~~ .993 .990 1.000 1.000 1.000 .998 .994 .990 ~~.984~~ .984

Cp 330-344

~~-.000~~ -.201 -.487 -.402 -.206 .446 -.165 -.512 -.672 -.594 ~~-.485~~ -.306 -.467 -.246 -.324

Pt/Pto 101-130

.983 .987 .983 .978 1.000 1.000 1.000 1.000 .993 .983
1.000 1.000 1.000 1.000 1.000 .987 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.893 Ptc/Pto = .996 K = .0021

Cp 310-320

.939 .694 .382 .184 .073 -.130 -.181 -.167 -.161 -.134 -.103

Cp 321-329

.983 .939 .610 .417 .325 .136 -.003 -.037 -.108

Ps 301-309 13.462 13.234 13.530 13.700 13.814 13.953 14.024 14.028 14.048

Ps 201-206 13.966 13.994 14.023 13.985 13.830 13.841

Ps 207-212 13.687 13.720 13.738 13.748 13.700 13.663

Ps 213-224 14.642 13.673 13.396 13.240 13.294 13.511 13.693 13.732 13.749 14.142 ~~14.162~~ 14.110

Ps 225-236 14.490 13.700 13.012 12.855 12.877 13.012 13.439 ~~14.461~~ 13.544 13.951 14.128 ~~14.234~~

Ps 237-245 14.947 14.654 14.111 13.822 13.757 14.060 13.961 13.828 13.815

Pcw = 13.940 L = .0129 Pcb = 13.706 Ptc/Pcw = 1.068 Wc = 1.30 T = 73. B = 29.95

Run 7-9 C1 I1 S0 B1 Eng 2 α=0° β=-10° m/m*=~~.474~~ 0.510

Pt/Pto 131-144

~~.997~~ .999 .999 ~~.999~~ .993 .990 1.000 1.000 1.000 .999 .995 .991 ~~.984~~ .983

Cp 330-344

~~-.037~~ -.134 -.456 -.418 -.243 .387 -.201 -.533 -.689 -.614 ~~-.509~~ -.351 -.544 -.279 -.395

Pt/Pto 101-130

.979 .969 .985 .984 1.000 1.000 1.000 .976 .991 .985
1.000 1.000 1.000 .983 .991 .986 1.000 1.000 1.000 .991
.995 .994 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000

Ptc = 14.853 Ptc/Pto = .994 K = .0317

Cp 310-320

.837 .636 .320 .150 .040 -.169 -.246 -.242 -.238 -.203 -.178

Cp 321-329

.728 .995 .842 .670 .565 .331 .116 .033 -.065

Ps 301-309 13.135 12.914 13.267 13.484 13.641 13.874 13.948 13.948 13.975

Ps 201-206 13.908 13.947 13.972 13.933 13.768 13.777

Ps 207-212 13.621 13.650 13.670 13.657 13.628 13.590

Ps 213-224 14.550 13.517 13.231 13.070 13.131 13.423 13.579 13.626 13.649 14.072 ~~14.078~~ 14.051

Ps 225-236 14.017 13.141 12.593 12.600 12.733 12.990 13.177 ~~14.463~~ 13.394 13.813 14.003 ~~14.119~~

Ps 237-245 14.949 14.644 14.076 13.766 13.690 14.011 13.889 13.745 13.737

Pcw = 13.884 L = .0137 Pcb = 13.636 Ptc/Pcw = 1.070 Wc = 1.30 T = 75. B = 29.95

Run 7-10 C1 I1 S0 B1 Eng 2 α=0° β=4° m/m*=.~~474~~ 0.513

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .990 1.000 1.000 .999 .997 .993 .989 ~~.985~~ .984

Cp 330-344

~~-.011~~ -.371 -.594 -.454 -.243 .454 -.155 -.507 -.671 -.594 ~~-.481~~ -.293 -.460 -.256 -.315

Pt/Pto 101-130

.986 .994 .991 .975 1.000 1.000 1.000 1.000 1.000 .987
1.000 1.000 1.000 1.000 1.000 .997 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.913 Ptc/Pto = .998 K = .0249

Cp 310-320

.974 .679 .339 .149 .038 -.155 -.171 -.148 -.168 -.128 -.099

Cp 321-329

.842 .463 .093 -.040 -.073 -.167 -.189 -.150 -.168

Ps 301-309 14.326 13.692 13.931 13.999 14.028 14.039 14.094 14.094 14.105

Ps 201-206 14.009 14.036 14.074 14.037 13.864 13.896

Ps 207-212 13.755 13.780 13.738 13.789 13.762 13.726

Ps 213-224 14.733 13.885 13.630 13.483 13.521 13.635 13.846 13.870 13.872 14.186 ~~14.189~~ 14.152

Ps 225-236 14.859 14.383 13.738 13.499 13.376 13.503 13.641 ~~14.491~~ 13.733 14.027 14.191 ~~14.313~~

Ps 237-245 14.943 14.616 14.076 13.816 13.778 14.070 14.004 13.883 13.871

Pcw = 13.989 L = .0127 Pcb = 13.758 Ptc/Pcw = 1.066 Wc = 1.28 T = 75. B = 29.95

Run 7-11 C1 I1 S0 B1 Eng 2 α=0° β=10° m/m*=.474 0.512

Pt/Pto 131-144

~~.997~~ 1.000 1.000 ~~1.000~~ .993 .990 .999 .999 .998 ~~.997~~ .992 .985 ~~.984~~ .983

Cp 330-344

~~-.07~~ -.556 -.721 -.550 -.347 .406 -.179 -.529 -.689 -.617 -.513 -.348 -.571 -.323 -.402

Pt/Pto 101-130

.986 .996 .996 .979 1.000 1.000 1.000 1.000 1.000 .994
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.924 Ptc/Pto = .998 K = .0208

Cp 310-320

.912 .656 .308 .110 -.006 -.201 -.217 -.192 -.243 -.197 -.176

Cp 321-329

.410 -.009 -.344 -.387 ~~-.368~~ ~~-.377~~ ~~-.313~~ -.240 ~~-.213~~

Ps 301-309 14.542 13.882 14.032 14.067 14.078 14.044 14.065 14.064 14.070

Ps 201-206 13.973 14.000 14.046 14.009 13.850 13.859

Ps 207-212 13.717 13.739 13.757 13.749 13.720 13.681

Ps 213-224 14.722 13.886 13.638 13.501 13.539 13.639 13.854 13.870 13.868 14.165 ~~14.126~~ 14.126

Ps 225-236 14.[illegible]7 ~~14.652~~ 14.045 ~~13.761~~ 13.556 ~~13.660~~ 13.705 ~~14.[illegible]~~ 13.763 14.017 14.178 14.316

Ps 237-245 14.948 14.590 14.013 13.747 13.715 14.045 13.968 13.846 13.835

Pcw = 13.956 L = .0131 Pcb = 13.727 Ptc/Pcw = 1.069 Wc = 1.31 T = 68. B = 29.96

Run 7-12 C1 I1 S0 B1 Eng 2 α=4° β=10° m/m* = ~~.474~~ 0.511

Pt/Pto 131-144

~~.995~~	1.000	.999	~~1.000~~	.992	.990	.999	.999	.998	~~.995~~	.990	.984	~~.984~~	.983

Cp 330-344

~~[illegible]~~	-.571	-.721	-.525	-.298	.364	-.256	-.605	-.753	-.651	-.530	-.347	-.552	-.305	-.371

Pt/Pto 101-130

.987	.995	.995	.976	1.000	1.000	1.000	1.000	1.000	.986
1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	1.000	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.923 Ptc/Pto = .998 K = .0241

Cp 310-320

.863	.559	.220	.035	-.071	-.249	-.216	-.180	-.218	-.1[illegible]0	-.127

Cp 321-329

.546	.141	-.189	-.248	~~-.245~~	~~-.277~~	~~-.234~~	-.182	~~-.159~~

Ps 301-309	14.449	13.829	14.008	14.048	14.067	14.041	14.070	14.074	14.081			
Ps 201-206	13.986	14.015	14.060	14.019	13.865	13.874						
Ps 207-212	13.729	13.755	13.772	13.763	13.736	13.699						
Ps 213-224	14.794	13.991	13.727	13.561	13.581	13.683	13.870	13.887	13.882	14.175	~~14.17~~	14.137
Ps 225-236	14.903	~~14.60[illegible]~~	13.995	~~13.724~~	13.535	~~13.[illegible]~~	13.687	~~[illegible]~~	13.768	14.026	14.187	14.323
Ps 237-245	14.955	14.610	14.041	13.771	13.736	14.060	13.982	13.860	13.850			

Pcw = 13.970 L = .0130 Pcb = 13.742 Ptc/Pcw = 1.068 Wc = 1.30 T = 68. B = 29.97

Run 7-13 C1 I1 S0 B1 Eng 2 α=4° β=4° m/m*=~~.474~~ 0.512

Pt/Pto 131-144
~~.995~~ 1.000 .998 ~~1.000~~ .992 .989 1.000 1.000 .998 ~~.996~~ .992 .987 ~~.984~~ .984

Cp 330-344
~~-.667~~ -.406 -.622 -.458 -.230 .411 -.235 -.589 -.734 -.635 -.510 -.304 -.466 -.259 -.311

Pt/Pto 101-130
.986 .993 .991 .972 1.000 1.000 1.000 1.000 1.000 .981
1.000 1.000 1.000 1.000 1.000 .987 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.910 Ptc/Pto = .997 K = .0279

Cp 310-320
.926 .606 .268 .078 -.023 -.100 -.185 -.154 -.157 -.125 -.076

Cp 321-329
.931 .597 .233 .080 ~~-.034~~ ~~-.080~~ ~~-.132~~ -.119 ~~-.147~~

Ps 301-309 13.900 13.534 13.815 13.918 13.967 14.007 14.066 14.070 14.075

Ps 201-206 13.977 14.009 14.050 14.006 13.853 13.862

Ps 207-212 13.716 13.742 13.759 13.750 13.723 13.684

Ps 213-224 14.784 13.928 13.648 13.470 13.492 13.617 13.811 13.837 13.839 14.165 ~~14.170~~ 14.129

Ps 225-236 14.828 ~~14.275~~ 13.606 ~~13.373~~ 13.269 ~~13.412~~ 13.602 ~~14.536~~ 13.677 13.995 14.167 14.299

Ps 237-245 14.956 14.619 14.057 13.783 13.739 14.059 13.975 13.849 13.838

Pcw = 13.960 L = .0132 Pcb = 13.729 Ptc/Pcw = 1.068 Wc = 1.30 T = 70. B = 29.97

Run 7-14 C1 I1 S0 B1 Eng 2 α=4° β=-4° m/m*=.474 0.511

Pt/Pto 131-144

~~.995~~ 1.000 .998 ~~1.000~~ .998 .989 1.000 1.000 .999 ~~.996~~ .993 .989 ~~.984~~ .984

Cp 330-344

~~-.001~~ -.265 -.547 -.440 -.425 .402 -.245 -.592 -.735 -.632 -.506 -.307 -.454 -.251 -.320

Pt/Pto 101-130

.984 .987 .982 .977 1.000 1.000 1.000 1.000 .993 .982
1.000 1.000 1.000 1.000 .999 .986 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.900 Ptc/Pto = .996 K = .0229

Cp 310-320

.901 .602 .254 .090 -.009 -.199 -.214 -.191 -.186 -.142 -.106

Cp 321-329

.962 .958 .681 .463 ~~-.388~~ ~~-.180~~ ~~.011~~ -.043 ~~-.168~~

Ps 301-309 13.451 13.227 13.472 13.644 13.776 13.950 14.023 14.031 14.047

Ps 201-206 13.961 13.991 14.019 13.985 13.830 13.838

Ps 207-212 13.689 13.715 13.733 13.725 13.695 13.657

Ps 213-224 14.714 13.767 13.469 13.282 13.318 13.501 13.696 13.735 13.749 14.141 ~~14.349~~ 14.109

Ps 225-236 14.404 ~~13.588~~ 12.918 ~~12.783~~ 12.830 ~~12.966~~ 13.416 ~~14.539~~ 13.533 13.947 14.123 14.227

Ps 237-245 14.957 14.658 14.108 13.816 13.751 14.058 13.957 13.825 13.810

Pcw = 13.937 L = .0127 Pcb = 13.702 Ptc/Pcw = 1.069 Wc = 1.31 T = 71. B = 29.97

BLANK PAGE

Run 7-15 C1 I1 S0 B1 Eng 2 α=4° β=-10° m/m*=~~.474~~ 0.510

Pt/Pto 131-144

~~.996~~ .999 .999 ~~.999~~ .992 .989 1.000 1.000 1.000 ~~.997~~ .993 .990 ~~.985~~ .983

Cp 330-344

~~-.031~~ -.235 -.543 -.482 -.294 .346 -.284 -.616 -.79[illegible] -.653 -.533 -.359 -.556 -.304 -.421

Pt/Pto 101-130

.979 .965 .984 .984 1.000 1.000 1.000 .971 .989 .963
1.000 1.000 1.000 .977 .989 .985 1.000 1.000 1.000 .985
.992 .993 1.000 1.000 1.000 .997 .999 1.000 1.000 1.000

Ptc = 14.845 Ptc/Pto = .992 K = .0355

Cp 310-320

.825 .575 .233 .057 -.047 -.242 -.294 -.289 -.300 -.227 -.197

Cp 321-329

.645 .996 .900 .702 ~~.596~~ ~~.350~~ ~~.106~~ .000 ~~-1.5~~

Ps 301-309 13.008 12.789 13.174 13.418 13.599 13.851 13.931 13.937 13.959

Ps 201-206 13.892 13.933 13.961 13.922 13.754 13.758

Ps 207-212 13.601 13.632 13.654 13.637 13.607 13.569

Ps 213-224 14.617 13.586 13.276 13.086 13.132 13.381 13.562 13.605 13.626 14.051 ~~14.059~~ 14.035

Ps 225-236 13.893 ~~13.016~~ 12.524 ~~12.577~~ 12.702 ~~12.976~~ 13.126 ~~14.5~~[illegible] 13.337 13.772 13.974 14.096

Ps 237-245 14.959 14.660 14.080 13.756 13.669 13.998 13.866 13.720 13.715

Pcw = 13.870 L = .0140 Pcb = 13.617 Ptc/Pcw = 1.070 Wc = 1.31 T = 72. B = 29.97

Run 7-16 C1 I1 S0 B1 Eng 2 α=-4° β=-10° m/m*=.~~474~~ 0.518

Pt/Pto 131-144

~~.998~~ .999 .999 ~~1.000~~ .994 .991 1.000 1.000 1.000 ~~.999~~ .996 .992 ~~.984~~ .983

Cp 330-344

~~-.040~~ -.037 -.364 -.347 -.189 .435 -.1 2 -.441 -.607 -.555 -.465 -.334 -.542 -.247 -.377

Pt/Pto 101-130

.978 .971 .986 .984 1.000 1.000 1.000 .979 .991 .985
1.000 1.000 1.000 .986 .991 .988 1.000 1.000 1.000 .995
.996 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.875 Ptc/Pto = .994 K = .0294

Cp 310-320

.874 .737 .441 .257 .142 -.078 -.189 -.187 -.181 -.171 -.146

Cp 321-329

.812 .993 .834 .637 ~~.530~~ ~~.308~~ ~~.119~~ .058 ~~-.031~~

Ps 301-309 13.278 12.999 13.339 13.543 13.698 13.917 14.000 14.007 14.033

Ps 201-206 13.966 14.005 14.024 13.993 13.836 13.841

Ps 207-212 13.691 13.720 13.741 13.728 13.700 13.663

Ps 213-224 14.480 13.435 13.175 13.053 13.136 13.487 13.605 13.659 13.689 14.127 ~~14.115~~ 14.105

Ps 225-236 14.132 ~~13.857~~ 12.673 ~~12.642~~ 12.783 ~~13.011~~ 13.251 ~~14.550~~ 13.475 13.878 14.059 14.169

Ps 237-245 14.963 14.721 14.195 13.885 13.795 14.083 13.958 13.817 13.807

Pcw = 13.944 L = .0126 Pcb = 13.707 Ptc/Pcw = 1.067 Wc = 1.28 T = 72. B = 29.98

Run 7-17 C1 I1 S0 B1 Eng 2 α=-4° β=-4° m/m*=.474 0.510

Pt/Pto 131-144

~~.996~~ 1.000 1.000 ~~1.000~~ .994 .991 1.000 1.000 1.000 ~~.999~~ .996 .992 ~~.984~~ .984

Cp 330-344

~~-.009~~ -.130 -.417 -.356 -.178 .489 -.077 -.418 -.590 -.545 -.443 -.288 -.468 -.223 -.318

Pt/Pto 101-130

.982 .987 .983 .979 1.000 1.000 1.000 1.000 .994 .984
1.000 1.000 1.000 1.000 1.000 .988 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.010 Ptc/Pto = .996 K = .0217

Cp 310-320

.966 .787 .472 .281 .165 -.052 -.142 -.130 -.132 -.117 -.093

Cp 321-329

1.001 .857 .542 .340 ~~.260~~ ~~-.086~~ ~~-.029~~ -.043 ~~-.099~~

Ps 301-309 13.505 13.301 13.626 13.790 13.884 13.988 14.069 14.077 14.093

Ps 201-206 14.011 14.040 14.067 14.032 13.883 13.890

Ps 207-212 13.748 13.772 13.790 13.782 13.752 13.716

Ps 213-224 14.581 13.602 13.350 13.227 13.299 13.569 13.720 13.762 13.783 14.182 ~~14.161~~ 14.150

Ps 225-236 14.583 ~~13.824~~ 13.129 ~~12.956~~ 12.957 13.095 13.495 ~~14.559~~ 13.592 13.992 14.170 14.279

Ps 237-245 14.964 14.704 14.187 13.898 13.825 14.107 14.007 13.878 13.865

Pcw = 13.987 L = .0123 Pcb = 13.760 Ptc/Pcw = 1.066 Wc = 1.28 T = 72. B = 29.98

Run 7-18 Cl I: SO B. Eng 2 α=-4° β=4° m/m*=~~.474~~ 0.515

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .994 .991 1.000 1.000 1.000 ~~.999~~ .995 .990 ~~.985~~ .984

Cp 330-344

~~-.445~~ -.335 -.556 -.446 -.259 .500 -.064 -.418 -.595 -.541 -.447 -.293 -.491 -.259 -.345

Pt/Pto 101-130

.985 .993 .991 .977 1.000 1.000 1.000 1.000 1.000 .988
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000

Ptc = 14.928 Ptc/Pto = .998 K = .0234

Cp 310-320

1.019 .795 .466 .255 .135 -.079 -.142 -.129 -.169 -.133 -.117

Cp 321-329

.787 .391 -.000 -.131 ~~-.164~~ ~~-.238~~ ~~-.242~~ -.195 ~~-.201~~

Ps 301-309 14.409 13.721 13.945 14.004 14.032 14.029 14.090 14.091 14.104

Ps 201-206 14.009 14.037 14.074 14.038 13.884 13.892

Ps 207-212 13.750 13.775 13.793 13.784 13.757 13.719

Ps 213-224 14.646 13.744 13.502 13.387 13.447 13.599 13.612 13.840 13.849 14.188 ~~14.197~~ 14.152

Ps 225-236 14.881 ~~14.421~~ 13.755 ~~13.498~~ 13.360 ~~13.497~~ 13.630 ~~14.559~~ 13.717 14.022 14.191 14.321

Ps 237-245 14.961 14.655 14.115 13.839 13.787 14.085 14.005 13.880 13.868

Pcw = 13.989 L = .0127 Pcb = 13.763 Ptc/Pcw = 1.067 Wc = 1.29 T = 73. B = 29.98

Run 7-19 C1 I1 S0 B1 Eng 2 α=-4° β=10° m/m*=.~~474~~ 0.520

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .995 .991 .999 .999 .999 ~~.998~~ .994 .987 ~~.985~~ .983

Cp 330-344

~~-.693~~ -.542 -.704 -.562 -.387 .448 -.689 -.437 -.611 -.559 -.470 -.333 -.599 -.321 -.414

Pt/Pto 101-130

.986 .995 .997 .982 1.000 1.000 1.000 1.000 1.000 .998
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.941 Ptc/Pto = .999 K = .0186

Cp 310-320

.947 .715 .386 .182 .057 -.151 -.201 -.188 -.244 -.217 -.211

Cp 321-329

.215 -.206 -.504 -.526 ~~-.494~~ -.478 ~~-.401~~ -.307 ~~-.257~~

Ps 301-309 14.688 13.962 14.103 14.132 14.136 14.092 14.114 14.110 14.123

Ps 201-206 14.023 14.047 14.089 14.056 13.902 13.911

Ps 207-212 13.771 13.795 13.812 13.806 13.778 13.741

Ps 213-224 14.671 13.833 13.614 13.508 13.563 13.656 13.688 13.906 13.908 14.204 ~~14.268~~ 14.167

Ps 225-236 14.896 ~~14.722~~ 14.144 ~~13.860~~ 13.644 13.734 13.776 ~~14.563~~ 13.818 14.061 14.217 14.351

Ps237-245 14.959 14.628 14.076 13.815 13.782 14.031 14.016 13.897 13.886

Pcw = 14.005 L = .0125 Pcb = 13.784 Ptc/Pcw = 1.067 Wc = 1.29 T = 74. B = 29.98

Run 7-20 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.~~474~~ 0.511

Pt/Pto 131-144
~~.997~~ 1.000 .999 ~~1.000~~ .993 .990 1.000 1.000 1.000 ~~.998~~ .994 .990 ~~.994~~ .984

Cp 330-344
~~-.112~~ -.274 -.529 -.415 -.211 .464 -.149 -.503 -.604 -.586 -.475 -.292 -.447 -.240 -.304

Pt/Pto 101-130
.985 .990 .986 .977 1.000 1.000 1.000 1.000 1.000 .983
1.000 1.000 1.000 1.000 1.000 .987 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.916 Ptc/Pto = .997 K = .0238

Cp 310-320
.986 .715 .399 .181 .071 -.127 -.162 -.143 -.144 -.116 -.086

Cp 321-329
1.010 .751 .391 .195 ~~.131~~ -.012 -.093 -.091 ~~-.144~~

Ps 301-309 13.721 13.467 13.761 13.892 13.947 14.020 14.096 14.103 14.116

Ps 201-206 14.026 14.055 14.092 14.048 13.902 13.912

Ps 207-212 13.771 13.794 13.813 13.806 13.777 13.741

Ps 213-224 14.707 13.800 13.535 13.384 13.430 13.587 13.731 13.824 13.836 14.198 ~~14.208~~ 14.167

Ps 225-236 14.747 ~~14.103~~ 13.422 ~~13.217~~ 13.162 ~~13.308~~ 13.603 ~~14.563~~ 13.665 14.019 14.194 14.315

Ps 237-245 14.963 14.696 14.179 13.899 13.834 14.112 14.025 13.899 13.886

Pcw = 14.006 L = .0127 Pcb = 13.784 Ptc/Pcw = 1.065 Wc = 1.27 T = 75. B = 29.98

Run 8-1 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=~~.610~~ 0.660

Pt/Pto 131-144
~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 1.000 .999 ~~.997~~ .993 .988 ~~.981~~ .982

Cp 330-344
~~[illegible]~~ -.294 -.558 -.461 -.287 .450 -.174 -.534 -.710 -.645 -.548 -.461 -.843 -.387 -.648

Pt/Pto 101-130
.969 .980 .973 .960 1.000 1.000 1.000 1.000 .995 .958
1.000 1.000 1.000 1.000 1.000 .968 1.000 1.000 1.000 1.000
1.000 .985 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.858 Ptc/Pto = .993 K = .0422

Cp 310-320
.889 .937 .679 .426 .279 .014 -.119 -.116 -.131 -.116 -.088

Cp 321-329
.902 .946 .661 .405 ~~.305~~ ~~.101~~ ~~-.035~~ -.058 -.120

Ps 301-309 12.689 12.018 12.416 12.747 12.991 13.239 13.351 13.357 13.364

Ps 201-206 13.200 13.251 13.313 13.241 12.980 12.989

Ps 207-212 12.711 12.762 12.794 12.770 12.715 12.653

Ps 213-224 14.037 12.494 12.11 11.917 12.011 12.605 12.745 12.819 12.848 13.532 ~~13.550~~ 13.469

Ps 225-236 14.163 ~~12.991~~ 11.855 ~~11.516~~ 11.463 ~~11.719~~ 12.381 ~~[illegible]~~ 12.529 13.212 13.525 13.732

Ps 237-245 14.959 14.427 13.441 12.914 12.804 13.398 13.209 12.976 12.954

Pcw = 13.162 L = .0224 Pco = 12.734 Ptc/Pcw = 1.129 Wc = 1.67 T = 75. B = 29.98

Run 6-2 C1 I1 S0 B1 Eng 2 α=-4° β=0° m/m∞ ~~.615~~ 0.659

Pt/Pto 131-144
~~.997~~ 1.000 1.000 ~~1.000~~ .993 .990 .999 1.000 1.000 ~~.998~~ .994 .989 ~~.981~~ .982

Cp 330-344
~~-.210~~ -.244 -.510 -.436 -.280 .480 -.090 -.447 -.637 -.594 -.513 -.451 -.848 -.376 -.651

Pt/Pto 101-130
.988 .979 .973 .961 1.000 1.000 1.000 1.000 .996 .960
1.000 1.000 1.000 1.000 1.000 .971 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.359 Pte/Pto = .993 K = .0402

Cp 310-320
.841 .668 .731 .498 .349 .077 -.089 -.094 -.119 -.110 -.091

Cp 321-329
.924 .898 .565 .321 ~~.205~~ ~~.633~~ ~~-.082~~ -.086 ~~-.132~~

Ps 301-309 12.785 12.056 12.495 12.828 13.051 13.245 13.355 13.359 13.366

Ps 201-206 13.212 13.261 13.325 13.248 12.990 12.938

Ps 207-212 12.725 12.773 12.806 12.783 12.728 630.000

Ps 213-224 13.909 12.372 12.023 11.966 11.986 12.617 12.749 12.829 12.860 13.540 13.548 13.478

Ps 225-236 14.258 ~~13.117~~ 11.974 ~~13.616~~ 11.534 ~~11.783~~ 12.419 ~~14.557~~ 12.554 13.225 13.539 13.748

Ps 237-245 14.958 14.428 13.450 12.928 12.819 13.405 13.219 12.989 12.966

Pcw = 13.172 L = .0225 Pcb = 12.746 Pte/Pcw = 1.128 Mc = 1.67 T = 76. B = 20.08

Run 8-3 C1 I1 S0 B1 Eng 2 α=-10° β=0° m/m*=~~.610~~ 0.659

Pt/Pto 131-144

~~.993~~ 1.000 1.000 ~~1.000~~ .995 .991 1.000 1.000 1.000 ~~1.000~~ .996 .991 ~~.982~~ .983

Cp 330-344

~~-.040~~ -.157 -.416 -.378 -.257 .569 .057 -.283 -.490 -.483 -.426 -.410 -.841 -.334 -.635

Pt/Pto 101-130

.965 .979 .972 .962 1.000 1.000 .999 1.000 .998 .965
1.000 1.000 1.000 1.000 1.000 .976 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.865 Ptc/Pto = .993 K = .0383

Cp 310-320

.693 .987 .816 .621 .480 .197 -.019 -.039 -.080 -.085 -.079

Cp 321-329

.916 .802 .417 .191 ~~.102~~ ~~-.073~~ ~~-.154~~ -.146 ~~-.165~~

Ps 301-309 12.901 12.119 12.634 12.959 13.137 13.261 13.368 13.370 13.383

Ps 201-206 13.225 13.274 13.342 13.264 13.002 13.013

Ps 207-212 12.741 12.790 12.823 12.799 12.745 12.680

Ps 213-224 13.664 12.152 11.861 11.782 11.930 12.621 12.750 12.835 12.871 13.552 ~~13.555~~ 13.489

Ps 225-236 14.368 ~~13.271~~ 12.130 ~~11.744~~ 11.630 ~~11.667~~ 12.467 ~~14.556~~ 12.585 13.239 13.553 ~~13.768~~

Ps 237-245 14.958 14.433 13.465 12.945 12.836 13.418 13.233 13.002 12.979

Pcw = 13.187 L = .0229 Pcb = 12.763 Ptc/Pcw = 1.127 Wc = 1.67 T = 76. B = 29.98

Run 8-4 C1 I1 S0 B1 Eng 2 z-20 z0 m/m*z.610 0.661

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .998 1.000 1.000 1.000 1.000 .999 .994 .982 .982

Cp 330-344
.110 -.022 -.249 -.257 -.207 .700 .317 .012 -.201 -.244 -.232 -.303 -.838 -.232 -.596

Pt/Pto 101-130
.960 .980 .970 ,962 1.000 1.000 .998 1.000 .999 .977
1.000 1.000 1.000 1.000 1.000 .985 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.875 Ptc/Pto = .994 K = .0405

Cp 310-320
.198 .929 .956 .821 .695 .423 .134 .097 .025 .000 -.031

Cp 321-329
.846 .630 .198 -.030 -.111 -.272 -.361 -.303 -,282

Ps 301-309 13.434 12.219 12.847 13.132 13.244 13.276 13.371 13.373 13.391

Ps 201-206 13.222 13.276 13.342 13.269 13.001 13.013

Ps 207-212 12.741 12.789 12.823 12.800 12.746 12.682

Ps 213-224 13.102 11.687 11.520 11.585 11.771 12.583 12.725 12.824 12.870 13.552 13.559 13.487

Ps 225-236 14.462 13.455 12.298 11.882 11.725 11.953 12.507 14.553 12.612 13.248 13.559 13.778

Ps 237-245 14.958 14.424 13.454 12.940 12.833 13.424 13.233 13.002 12.978

Pcw = 13.187 L = .0229 Pcb = 12.763 Ptc/Pcw = 1.128 Wc = 1.67 T = 77. B = 29.98

Run 8-5 C1 I' SC B1 Eng 2 α-4° β=0° m/m*=~~.[illegible]~~ 0.662

Pt/Pto 131-144

~~[illegible]~~	.999	.998	~~[illegible]~~	.991	.988	.999	1.000	.998	~~[illegible]~~	.991	.987	~~[illegible]~~	.982

Cp 330-344

~~-.064~~	-.345	-.611	-.489	-.300	.408	-.255	-.619	-.782	-.690	-.579	-.471	-.842	-.396	-.649

Pt/Ptc 101-130

.971	.980	.972	.959	1.000	1.000	1.000	1.000	.993	.957
1.000	1.000	1.000	1.000	1.000	.966	1.000	1.000	1.000	1.000
1.000	.981	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.852 Ptc/Pto = .993 K = .0436

Cp 310-320

.937	.893	.585	.352	.212	-.042	-.145	-.135	-.137	-.112	-.078

Cp 321-329

.831	.977	.708	.485	~~.377~~	~~.159~~	~~-.002~~	-.047	~~-.122~~

Ps 301-309	12.543	11.968	12.300	12.643	12.907	13.211	13.321	13.323	13.331			
Ps 201-206	13.167	13.220	13.279	13.209	12.945	12.954						
Ps 207-212	12.673	12.723	12.755	12.732	12.676	12.611						
Ps 213-224	14.146	12.595	12.183	11.934	12.015	12.569	12.725	12.794	12.822	13.505	~~13.524~~	13.444
Ps 225-236	14.042	~~[illegible]~~	11.705	~~[illegible]~~	11.365	~~11.631~~	12.324	~~[illegible]~~	12.485	13.183	13.497	~~13.698~~
Ps 237-245	14.958	14.403	13.397	12.864	12.755	13.366	13.177	12.942	12.918			

Pcw = 13.129 L = .0225 Pcb = 12.695 Ptc/Pcw = 1.131 Wc = 1.68 T = 78. B = 29.98

Run 8-6 Cl I1 SO B1 Eng 2 α=10° β=0° m/m*=.~~[illegible]~~ 0.663

Pt/Pto 131-144

~~.992~~ .998 .995 ~~.999~~ .989 .986 .999 .998 .995 ~~.992~~ .989 .984 ~~.979~~ .981

Cp 330-344

~~-.645~~ -.417 -.669 -.517 -.310 .342 -.360 -.716 -.845 -.726 -.593 -.458 -.822 -.391 -.633

Pt/Pto 101-130

.973	.979	.968	.958	1.000	1.000	1.000	1.000	.988	.957
1.000	1.000	1.000	1.000	.999	.965	1.000	1.000	1.000	1.000
1.000	.979	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.846 Ptc/Pto = .992 K = .0434

Cp 310-320

.936 .835 .497 .252 .119 -.111 -.165 -.147 -.142 -.099 -.062

Cp 321-329

.734 .976 .813 .583 ~~-.470~~ ~~.229~~ -.019 -.069 ~~-.163~~

Ps 301-309 12.438 11.912 12.170 12.507 12.797 13.187 13.289 13.299 13.306

Ps 201-206 13.143 13.192 13.253 13.187 12.919 12.927

Ps 207-212 12.643 12.690 12.723 12.701 12.646 12.580

Ps 213-224 14.290 12.752 12.299 11.992 12.039 12.531 12.715 12.778 12.799 13.483 13.497 13.421

Ps 225-236 13.835 ~~12.597~~ 11.502 ~~11.224~~ 11.252 ~~11.538~~ 12.258 ~~14.544~~ 12.448 13.159 13.461 13.650

Ps 237-245 14.959 14.388 13.363 12.822 12.716 13.340 13.148 12.910 12.889

Pcw = 13.103 L = .0225 Pcb = 12.664 Ptc/Pcw = 1.133 Wc = 1.69 T = 78. B = 29.98

Run 8-7 C1 I1 SC B1 Eng 2 α=20° β=0° m/m*=.~~619~~ 0.662

Pt/Pto 131-144

~~.991~~ .996 .994 ~~.998~~ .988 .986 .998 .997 .994 ~~.992~~ .989 .984 ~~.978~~ .980

Cp 330-344

~~-.100~~ -.503 -.713 -.521 -.322 .279 -.466 -.795 -.873 -.704 -.549 -.402 -.792 -.352 -.615

Pt/Pto 101-130

.975 .988 .955 .961 1.000 1.000 1.000 .991 .966 .960
1.000 1.000 1.000 .997 .980 .972 1.000 1.000 1.000 1.000
.993 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.815 Ptc/Pto = .990 K = .0459

Cp 310-320

.915 .691 .334 .145 .033 -.155 -.142 -.108 -.105 -.060 -.045

Cp 321-329

.317 .302 .853 .687 ~~.574~~ .305 ~~.011~~ -.110 ~~-.148~~

Ps 301-309 12.479 11.928 11.972 12.157 12.428 13.134 13.267 13.260 13.285

Ps 201-206 13.117 13.170 13.233 13.171 12.892 12.902

Ps 207-212 12.613 12.662 12.695 12.669 12.617 12.550

Ps 213-224 14.445 12.951 12.455 12.078 12.081 12.475 12.710 12.754 12.782 13.459 ~~13.454~~ 13.398

Ps 225-236 13.410 ~~12.163~~ 11.177 ~~11.000~~ 11.128 ~~11.543~~ 12.184 ~~14.539~~ 12.424 13.134 13.398 13.580

Ps 237-245 14.958 14.387 13.351 12.803 12.589 13.318 13.119 12.876 12.857

Pcw = 13.081 L = .0230 Pcb = 12.634 Ptc/Pcw = 1.133 Wc = 1.58 T = 79. B = 29.98

Run 8-8 C1 I1 S0 B1 Eng 2 α=0° β=-4° m/m*=~~.610~~ 0.663

Pt/Pto 131-144

~~.995~~ 1.000 .999 ~~.999~~ .992 .988 .999 1.000 .999 ~~.995~~ .993 .989 ~~.984~~ .982

Cp 330-344

~~-.911~~ -.219 -.517 -.449 -.289 .430 -.189 -.543 -.718 -.651 -.557 -.477 -.863 -.393 -.677

Pt/Pto 101-130

.966 .970 .972 .966 1.000 1.000 1.000 .996 .982 .961
1.000 1.000 1.000 .999 .994 .986 1.000 1.000 1.000 1.000
1.000 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.837 Ptc/Pto = .992 K = .0394

Cp 310-320

.815 .897 .632 .408 .266 .005 -.138 -.142 -.144 -.130 -.103

Cp 321-329

.702 .983 .803 .586 ~~.47~~ ~~-.296~~ ~~-.052~~ -.004 ~~-.035~~

Ps 301-309 12.365 11.674 12.171 12.595 12.840 13.172 13.289 13.285 13.209

Ps 201-206 13.147 13.202 13.252 13.184 12.923 12.929

Ps 207-212 12.646 12.694 12.728 12.703 12.647 12.584

Ps 213-224 13.963 12.364 11.965 11.753 11.860 12.506 12.643 12.726 12.762 13.490 ~~13.481~~ 13.420

Ps 225-236 13.785 ~~7e.56e~~ 11.406 ~~11.137~~ 11.213 ~~11.4~~ 12.178 ~~14.539~~ 12.441 13.136 13.424 13.615

Ps 237-245 14.958 14.414 13.409 12.866 12.745 13.357 13.153 12.909 12.889

Pcw = 13.106 L = .0222 Pcb = 12.667 Ptc/Pcw = 1.132 Wc = 1.68 T = 30. B = 29.98

Run 8-) C: I1 S0 B1 Eng 2 α=0° β=-10° m/m∞= 0.661

Pt/Pto 131-144
~~.995~~ .999 .999 ~~.999~~ .998 .988 .999 1.000 1.000 ~~.996~~ .994 .989 ~~.979~~ .981

Cp 330-344
~~-.057~~ -.151 -.488 -.470 -.336 .376 -.223 -.564 -.728 -.668 -.577 -.522 -.944 -.431 -.763

Pt/Pto 101-130
.959 .938 .976 .973 1.000 1.000 .999 .951 .984 .977
1.000 1.000 1.000 .981 .983 .969 1.000 1.000 1.000 .976
.989 .982 1.000 1.000 1.000 .995 .998 .995 1.000 1.000

Pto = 14.762 Pto/Pto = .987 K = .0626

Cp 310-320
.632 .777 .553 .349 .214 -.043 -.207 -.216 -.221 -.197 -.177

Cp 321-329
.149 .926 .953 .786 ~~.674~~ ~~.419~~ ~~.166~~ .068 ~~-.045~~

Ps 301-309 11.975 11.121 11.813 12.295 12.670 13.031 13.139 13.117 13.156

Ps 201-206 13.026 13.100 13.150 13.072 12.796 12.799

Ps 207-212 12.496 12.558 12.603 12.558 12.497 12.434

Ps 213-224 13.816 12.140 11.729 11.504 11.615 12.331 12.469 12.558 12.600 13.343 ~~13.347~~ 13.239

Ps 225-236 ~~13.131~~ ~~11.525~~ 10.896 ~~10.675~~ 11.130 11.594 11.894 ~~14.535~~ 12.209 12.865 13.211 13.429

Ps 237-245 14.058 14.389 13.326 12.736 12.595 13.038 13.904 12.740 12.734

Pcw = 12.991 L = .0240 Pcb = 12.524 Ptc/Pcw = 1.136 Wc = 1.69 T = 80. B = 29.98

Run 8-10 C1 11 S0 B1 Eng 2 α=0° β=4° m/m*=~~.610~~ 0.663

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 1.000 .999 ~~.997~~ .993 .987 ~~.986~~ .982

Cp 330-344

~~.003~~ -.392 -.626 -.502 -.320 .440 -.181 -.545 -.721 -.659 -.561 -.477 -.873 -.404 -.661

Pt/Pto 101-130

.972 .984 .980 .956 1.000 1.000 1.000 1.000 1.000 .960
1.000 1.000 1.000 1.000 1.000 .971 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.866 Ptc/Pto = .994 K = .0443

Cp 310-320

.918 .949 .653 .418 .267 .001 -.126 -.121 -.150 -.126 -.103

Cp 321-329

.975 .817 .419 .209 ~~.126~~ ~~-.041~~ ~~-.124~~ -.112 ~~-.156~~

Ps 301-309 12.832 12.109 12.586 12.909 13.101 13.250 13.345 13.351 13.358

Ps 201-206 13.190 13.241 13.316 13.236 12.970 12.979

Ps 207-212 12.703 12.752 12.786 12.762 12.703 12.642

Ps 213-224 14.078 12.589 12.205 12.011 12.105 12.648 12.900 12.865 12.885 13.529 ~~13.520~~ 13.465

Ps 225-236 14.446 ~~13.407~~ 12.268 ~~11.875~~ 11.721 ~~11.966~~ 12.407 ~~14.538~~ 12.535 13.221 13.535 13.752

Ps 237-245 14.356 14.391 13.386 12.865 12.769 13.378 13.200 12.970 12.946

Pcw = 13.155 L = .0232 Pcb = 12.726 Ptc/Pcw = 1.130 Mc = 1.67 T = 81. B = 29.98

Run 8-11 C1 I1 S0 B1 Eng 2 α=0° β=10° m/m* ~~.610~~ 0.662

Pt/Pto 131-144

~~.997~~ 1.000 .999 ~~1.000~~ .992 .989 .998 .999 .998 ~~.995~~ .992 .984 ~~.979~~ .981

Cp 330-344

~~-.692~~ -.573 -.748 -.591 -.406 .387 -.202 -.561 -.735 -.673 -.581 -.511 -.946 -.452 -.704

Pt/Pto 101-130

.974 .989 .983 .953 1.000 1.000 1.000 1.000 1.000 .965
1.000 1.000 1.000 1.000 1.000 .980 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.887 Ptc/Pto = .995 K = .0471

Cp 310-320

.910 .923 .617 .365 .212 -.054 -.173 -.166 -.219 -.190 -.184

Cp 321-329

.888 .481 .052 -.119 ~~-.159~~ ~~-.253~~ ~~-.248~~ -.202 ~~-.160~~

Ps 301-309 13.549 12.340 12.948 13.183 13.270 13.281 13.363 13.375 13.381

Ps 201-206 13.203 13.253 13.331 13.255 12.989 13.000

Ps 207-212 12.724 12.773 12.806 12.782 12.730 12.663

Ps 213-224 14.113 12.683 12.328 12.148 12.235 12.723 12.882 12.933 12.943 13.544 ~~13.550~~ 13.477

Ps 225-236 14.735 ~~13.940~~ 12.835 ~~12.381~~ 12.104 ~~12.317~~ 12.647 ~~14.534~~ 12.712 13.256 13.563 13.798

Ps 237-245 14.358 14.400 13.392 12.874 12.781 13.382 13.215 12.990 12.968

Pcw = 13.172 L = .0230 Pcb = 12.747 Pto/Pcw = 1.130 Wc = 1.67 T = 82. B = 29.98

Run 8-12 C1 I1 S0 B1 Eng 2 α=4° β=10° m/m~~=.610~~ 0.663

Pt/Pto 131-144

~~.995~~ 1.000 .999 ~~.997~~ .991 .988 .998 .998 .997 ~~.995~~ .990 .983 ~~.979~~ .980

Cp 330-344

~~-.080~~ -.585 -.759 -.575 -.367 .344 -.284 -.644 -.804 -.717 -.609 -.518 -.943 -.446 -.684

Pt/Pto 101-130

.975 .989 .988 .991 1.000 1.000 1.000 1.000 1.000 .991
1.000 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.881 Ptc/Pto = .995 K = .0491

Cp 310-320

.957 .887 .553 .305 .160 -.092 -.176 -.157 -.203 -.163 -.134

Cp 321-329

.957 .601 .184 .005 ~~-.045~~ ~~-.157~~ ~~-.177~~ ~~-.146~~ ~~-.150~~

Ps 301-309 13.123 12.291 12.822 13.089 13.212 13.267 13.353 13.366 13.374

Ps 201-206 13.196 13.248 13.327 13.248 12.982 12.992

Ps 207-212 12.717 12.765 12.728 12.774 12.722 12.656

Ps 213-224 14.229 12.799 12.415 12.194 12.259 12.700 12.870 12.927 12.934 13.538 ~~13.550~~ 13.472

Ps 225-236 14.683 ~~13.840~~ 12.722 ~~12.284~~ 12.033 ~~12.460~~ 12.616 ~~14.532~~ 12.686 13.244 13.555 13.790

Ps 237-245 14.959 14.408 13.400 12.873 12.772 13.378 13.212 12.983 12.962

Pcw = 13.165 L = .0232 Pcb = 12.738 Ptc/Pcw = 1.130 Wc = 1.67 T = 83. B = 29.98

Run 8-13 C1 I1 S0 B1 Eng 2 α=4° β=4° m/m*= ~~.610~~ 0.663

Pt/Pto 131-144

~~.995~~ 1.000 .998 ~~1.000~~ .991 .988 .999 .999 .998 ~~.995~~ .991 .985 ~~.980~~ .981

Cp 330-344

~~-.020~~ -.426 -.658 -.508 -.309 .396 -.262 -.628 -.787 -.697 -.507 -.479 -.865 -.401 -.639

Pt/Pto 101-130

.973 .964 .981 .955 1.000 1.000 1.000 1.000 1.000 .959
1.000 1.000 1.000 1.000 1.000 .970 1.000 1.000 1.000 1.000
1.000 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.870 Ptc/Ptc = .994 K = .0461

Cp 310-320

.988 .904 .601 .345 .201 -.051 -.144 -.128 -.143 -.114 -.082

Cp 321-329

.970 .882 .540 .302 ~~-.13~~ ~~.032~~ ~~-.074~~ -.087 ~~-.135~~

Ps 301-309 12.880 12.097 12.491 12.818 13.044 13.250 13.340 13.344 13.353

Ps 201-206 13.183 13.233 13.310 13.229 12.965 12.971

Ps 207-212 12.694 12.745 12.777 12.753 12.698 12.634

Ps 213-224 14.203 12.708 12.304 12.067 12.137 12.631 12.804 12.865 12.881 13.522 ~~13.553~~ 13.459

Ps 225-236 14.376 ~~13.089~~ 12.160 ~~11.785~~ 11.661 ~~11.905~~ 12.469 ~~14.532~~ 12.577 13.213 13.528 13.753

Ps 237-245 14.957 14.385 13.374 12.852 12.757 13.370 13.190 12.963 12.940

Pcw = 13.148 L = .0232 Pcb = 12.717 Ptc/Pcw = 1.131 Wc = 1.67 T = 83. B = 29.98

424

Run 8-14 C1 I1 S0 B1 Eng 2 α=4° β=-4° m/m*=~~.630~~ 0.661

Pt/Pto 131-144
~~.995~~ .999 .998 ~~.999~~ .991 .987 .999 1.000 .998 ~~.995~~ .992 .987 ~~.980~~ .981

Cp 330-344
~~-.029~~ -.286 -.583 -.490 -.314 .389 -.269 -.627 -.782 -.693 -.580 -.479 -.855 -.404 -.679

Pt/Pto 101-130
.968 .964 .974 .966 1.000 1.000 1.000 .989 .983 .961
1.000 1.000 1.000 .997 .993 .964 1.000 1.000 1.000 1.000
1.000 .977 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.825 Ptc/Pto = .991 K = .0399

Cp 310-320
.864 .860 .569 .329 .194 -.057 -.172 -.168 -.169 -.139 -.112

Cp 321-329
.617 .092 .860 .639 ~~.524~~ ~~.276~~ ~~.064~~ -.014 ~~-.110~~

Ps 301-309 12.220 11.575 12.085 12.408 12.788 13.155 13.273 13.268 13.278

Ps 201-206 13.125 13.182 13.232 13.163 12.901 12.905

Ps 207-212 12.618 12.668 12.703 12.679 12.622 12.559

Ps 213-224 14.078 12.487 12.060 11.804 11.887 12.486 12.639 12.715 12.748 13.458 ~~13.484~~ 13.400

Ps 225-236 13.658 ~~14.392~~ 11.317 ~~1.089~~ 11.199 ~~11.523~~ 12.121 ~~14.526~~ 12.424 13.091 13.389 ~~13.58~~

Ps 237-245 14.951 14.395 13.377 12.829 12.71 13.334 13.126 12.882 12.863

Pcw = 13.085 L = .0223 Pcb = 12.642 Ptc/Pcw = 1.133 Wc = 1.68 T = 84. B = 29.9

Run 8-15 C1 I1 S0 B1 Eng 2 α=4° β=-10° m/m*=.~~610~~ 0.662

Pt/Pto 131-144

~~.995~~ .990 .988 ~~.993~~ .991 .987 .989 1.000 .999 ~~.997~~ .993 .983 ~~.979~~ .981

Cp 330-344

~~-.063~~ -.241 -.576 -.532 -.389 .337 -.304 -.646 -.794 -.760 -.601 -.518 -.922 -.446 -.762

Pt/Pto 101-130

.961 .986 .975 .977 1.000 1.000 .999 .947 .983 .969
1.000 1.000 1.000 .957 .982 .965 1.000 1.000 1.000 .979
.986 .976 1.000 1.000 1.000 .992 .997 .998 1.000 1.000

Pto = 14.744 Ptc/Pto = .986 K = .0049

Cp 310-320

.700 .740 .467 .255 .122 -.123 -.257 -.260 -.208 -.223 -.198

Cp 321-329

.035 .804 .956 .804 ~~.693~~ ~~.429~~ ~~.149~~ .027 ~~-.107~~

Ps 301-309 11.844 11.147 11.834 12.290 12.661 13.041 13.144 13.123 13.163

Ps 201-209 13.039 13.109 13.162 13.081 12.809 12.810

Ps 207-212 12.513 12.576 12.621 12.576 12.516 12.451

Ps 213-224 13.977 12.333 11.096 11.627 11.714 12.355 12.512 12.590 12.625 13.342 ~~13.371~~ 13.306

Ps 225-236 13.023 ~~11.745~~ 10.896 ~~10.916~~ 11.177 ~~11.648~~ 11.911 ~~14.561~~ 12.205 12.854 13.212 13.429

Ps 237-245 14.952 14.375 13.314 12.730 12.593 13.237 13.005 12.746 12.742

Pcw = 13.002 L = .0240 Pcb = 12.542 Pto/Pcw = 1.134 Wc = 1.67 T = 84. B = 29.97

Run 8-16 Cl I1 S0 B1 Eng 2 α=-4° β--10° m/m*= ~~[illegible]~~ 0.662

Pt/Pto 131-144

~~.997~~ .999 .999 ~~.999~~ .993 .989 .999 1.000 1.000 ~~.999~~ .995 .990 ~~.979~~ .981

Cp 330-344

~~-.063~~ -.059 -.398 -.397 -.280 .419 -.137 -.473 -.654 -.609 -.533 -.502 -.927 -.397 -.735

Pt/Pto 101-130

.961	.942	.978	.971	1.000	1.000	.999	.956	.985	.969
1.000	1.000	1.000	.968	.985	.973	1.000	1.000	1.000	.984
.991	.986	1.000	1.000	1.000	.998	.999	.999	1.000	1.000

Ptc = 14.780 Ptc/Pto = .980 K = .0585

Cp 310-320

.578 .802 .622 .432 .298 .036 -.154 -.167 -.168 -.169 -.148

Cp 321-329

.280 .959 .911 .743 ~~.639~~ ~~.392~~ ~~.166~~ .086 ~~-.013~~

Ps 301-309 12.180 11.244 11.920 12.391 12.735 13.080 13.183 13.173 13.199

Ps 201-206 13.076 13.147 13.189 13.119 12.850 12.851

Ps 207-212 12.559 12.615 12.652 12.617 12.560 12.498

Ps 213-224 13.694 12.039 11.667 11.490 11.624 12.377 12.508 12.602 12.648 13.387 ~~13.379~~ 13.344

Ps 225-236 13.286 ~~11.985~~ 11.011 ~~10.927~~ 11.164 ~~11.625~~ 11.965 ~~14.520~~ 12.302 12.940 13.265 13.476

Ps 237-245 14.953 14.408 13.380 12.808 12.667 13.293 13.059 12.803 12.793

Pcw = 13.039 L = .0229 Pcb = 12.583 Ptc/Pcw = 1.134 Wc = 1.67 T = 84. B = 29.97

Run 8-17 Cl Il SO Bl Rig 2 α=-4° β=-4° m/m*=~~.616~~ 0.660

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~.999~~ .993 .989 1.000 1.000 1.000 ~~.999~~ .995 .990 ~~.981~~ .982

Cp 330-344

~~-.027~~ -.149 -.449 -.402 -.257 .477 -.101 -.451 -.638 -.597 -.514 -.457 -.850 -.365 -.659

Pt/Pto 101-130

.966 .974 .971 .966 1.000 1.000 1.000 .999 .994 .963
1.000 1.000 1.000 1.000 .995 .970 1.000 1.000 1.000 1.000
1.000 .980 1.000 1.000 1.000 1.000 1.000 .995 1.000 1.000

Ptc = 14.843 Ptc/Pto = .992 K = .0374

Cp 310-320

.770 .933 .704 .488 .347 .075 -.101 -.104 -.110 -.112 -.092

Cp 321-329

.779 .985 .743 .520 ~~.462~~ ~~.185~~ ~~.061~~ -.012 ~~-.000~~

Ps 301-309 12.541 11.839 12.303 12.670 12.933 13.215 13.326 13.328 13.337

Ps 201-206 13.188 13.240 13.289 13.225 12.968 12.972

Ps 207-212 12.698 12.746 12.778 12.755 12.699 12.638

Ps 213-224 13.850 12.278 11.922 11.757 11.384 12.556 12.687 12.771 12.810 13.512 ~~13.501~~ 13.456

Ps 225-236 13.016 ~~12.685~~ 11.563 ~~11.692~~ 11.307 ~~11.553~~ 12.277 ~~14.519~~ 12.490 13.194 13.475 13.555

Ps 237-245 14.952 14.420 13.440 12.913 12.798 13.395 13.193 12.959 12.935

Pcw = 13.147 L = .0216 Pcb = 12.719 Ptc/Pcw = 1.129 Wc = 1.66 T = 85. B = 29.97

Run 8-18 C1 I1 S0 B1 Eng 2 α=-4° β=4° m/m*=~~.616~~ 0.666

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.000~~ .993 .990 .999 1.000 .999 ~~.996~~ .994 .988 ~~.981~~ .982

Cp 330-344
~~-.041~~ -.353 -.588 -.488 -.324 .491 -.087 -.449 -.639 -.597 -.516 -.451 -.846 -.388 -.644

Pt/Pto 101-130
.971 .985 .979 .958 1.000 1.000 1.000 1.000 1.000 .963
1.000 1.000 1.000 1.000 1.000 .974 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.869 Ptc/Pto = .994 K = .0423

Cp 310-320
.895 .984 .714 .479 .330 .056 -.103 -.105 -.147 -.132 -.119

Cp 321-329
.971 .727 .310 .091 ~~.018~~ ~~-.148~~ ~~-.186~~ -.158 ~~-.181~~

Ps 301-309 13.046 12.267 12.799 13.082 13.227 13.315 13.409 13.413 13.416

Ps 201-206 13.253 13.299 13.373 13.297 13.042 13.050

Ps 207-212 12.785 12.834 12.865 12.844 12.792 12.726

Ps 213-224 13.930 12.540 12.210 12.065 12.178 12.733 12.875 12.939 12.951 13.579 ~~13.560~~ 13.512

Ps 225-236 14.549 ~~13.586~~ 12.481 ~~12.084~~ 11.908 ~~10.138~~ 12.613 ~~14.522~~ 12.698 13.284 13.587 13.806

Ps 237-245 14.951 14.402 13.435 12.938 12.850 13.429 13.262 13.040 13.018

Pcw = 13.219 L = .0223 Pcb = 12.808 Ptc/Pcw = 1.125 Wc = 1.64 T = 85. B = 29.97

Run 8-19 C1 I1 S0 B1 Eng 2 α=-4° β=10° m/m*=~~.610~~ 0.662

Pt/Pto 131-144

~~.998~~ 1.000 .999 ~~.999~~ .993 .990 .999 .999 .998 ~~.997~~ .993 .985 ~~.980~~ .981

Cp 330-344

~~-.116~~ -.558 -.733 -.603 -.437 .439 -.114 -.480 -.655 -.616 -.540 -.492 -.924 -.447 -.703

Pt/Pto 101-130

.974 .988 .989 .956 1.000 1.000 1.000 1.000 1.000 .972

.999 1.000 1.000 1.000 1.000 .990 1.000 1.000 1.000 1.000

1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.888 Ptc/Pto = .995 K = .0443

Cp 310-320

.845 .924 .655 .419 .262 -.009 -.165 -.170 -.228 -.214 -.213

Cp 321-329

.774 .348 -.101 -.260 ~~-.287~~ ~~-.359~~ ~~-.334~~ -.271 ~~-.254~~

Ps 301-309 13.936 12.535 13.106 13.285 13.344 13.330 13.396 13.401 13.399

Ps 201-206 13.235 13.282 13.358 13.288 13.025 13.033

Ps 207-212 12.766 12.814 12.846 12.825 12.773 12.707

Ps 213-224 14.014 12.625 12.311 12.178 12.281 12.784 12.935 12.986 12.997 13.570 ~~13.592~~ 13.502

Ps 225-236 14.775 ~~14.672~~ 12.997 ~~12.540~~ 12.246 ~~12.458~~ 12.726 ~~14.562~~ 12.787 13.296 13.591 13.823

Ps 237-245 14.949 14.367 13.371 12.877 12.802 13.401 13.242 13.024 13.001

Pcw = 13.203 L = .0224 Pcb = 12.788 Ptc/Pcw = 1.128 Wc = 1.65 T = 86. B = 29.97

Run 8-20 Cl Il SO Bl Eng 2 $\alpha=0°$ $\beta=0°$ $m/m^*=$ ~~.610~~ 0.663

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .989 .999 1.000 .999 ~~.997~~ .993 .988 ~~.981~~ .982

Cp 330-344

~~.001~~ -.289 -.554 -.456 -.283 .447 -.187 -.530 -.707 -.649 -.545 -.454 -.822 -.378 -.631

Pt/Pto 101-130

.971	.980	.973	.961	1.000	1.000	1.000	1.000	.994	.959
1.000	1.000	1.000	1.000	1.000	.969	1.000	1.000	1.000	1.000
1.000	.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.853 Ptc/Pto = .993 K = .0413

Cp 310-320

.907 .933 .648 .416 .273 .009 -.120 -.116 -.130 -.112 -.085

Cp 321-329

.915 .933 .626 .399 ~~.295~~ ~~.098~~ ~~-.035~~ -.056 ~~-.119~~

Ps 301-309 12.748 12.073 12.471 12.795 13.027 13.267 13.371 13.382 13.386

Ps 201-206 13.228 13.275 13.335 13.267 13.012 13.017

Ps 207-212 12.749 12.797 12.828 12.807 12.752 12.689

Ps 213-224 14.064 12.552 12.176 11.975 12.074 12.641 12.791 12.859 12.889 13.551 ~~13.561~~ 13.491

Ps 225-236 14.182 ~~13.037~~ 11.923 ~~11.588~~ 11.539 ~~11.786~~ 12.436 ~~14.5[illegible]~~ 12.576 13.239 13.546 13.747

Ps 237-245 14.952 14.422 13.454 12.942 12.835 13.415 13.234 13.007 12.984

Pcw = 13.189 L = .0217 Pcb = 12.770 Ptc/Pcw = 1.126 Wc = 1.64 T = 87. B = 29.97

Run 9-1 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .988 .999 1.000 .999 ~~.993~~ .993 .987 ~~.979~~ .981

Cp 330-344

~~-.005~~ -.303 -.576 -.485 -.325 .444 -.188 -.556 -.737 -.676 -.588 -.550 -1.072 -.457 -.831

Pt/Ptc 101-130

.959 .974 .962 .953 1.000 1.000 1.000 1.000 .982 .949
1.000 1.000 1.000 1.000 .999 .959 1.000 1.000 1.000 1.000
1.000 .979 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.815 Ptc/Pto = .990 K = .0517

Cp 310-320

.733 .993 .772 .519 .363 .075 -.100 -.107 -.123 -.112 -.084

Cp 321-329

.786 .993 .755 .488 ~~.375~~ ~~.149~~ ~~-.025~~ -.045 ~~-.114~~

Ps 301-309 12.071 11.116 11.586 12.044 12.390 12.768 12.900 12.901 12.908

Ps 201-206 12.687 12.749 12.524 12.741 12.417 12.418

Ps 207-212 12.053 12.119 12.160 12.127 12.051 11.969

Ps 213-224 13.606 11.741 11.282 11.025 11.140 11.958 12.121 12.216 12.256 13.124 ~~13.137~~ 13.043

Ps 225-236 13.793 ~~10.988~~ 10.968 ~~10.515~~ 10.442 ~~10.744~~ 11.656 ~~10.523~~ 11.865 12.735 13.107 13.338

Ps 237-245 14.948 14.248 12.982 12.303 12.167 12.938 12.710 12.413 12.386

Psw = 12.639 L = .0275 Pcb = 12.080 Ptc/Psw = 1.172 Wc = 1.83 T = 87. B = 29.97

Run 9-2 C1 I1 S0 B1 Eng 2 α=-4° β=0° m/m*=.~~677~~ 0.732

Pt/Pto 131-144

~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 1.000 .999 ~~.998~~ .994 .988 ~~.979~~ .982

Cp 330-344

~~-.024~~ -.248 -.522 -.453 -.313 .488 -.097 -.464 -.659 -.622 -.545 -.533 -1.069 -.440 -.827

Pt/Pto 101-130

.957 .973 .962 .953 1.000 1.000 .999 1.000 .984 .950
1.000 1.000 1.000 1.000 .999 .962 1.000 1.000 1.000 1.000
1.000 .983 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.816 Ptc/Pto = .991 K = .0499

Cp 310-320

.625 .969 .806 .586 .426 .139 -.068 -.079 -.106 -.104 -.086

Cp 321-329

.819 .938 .652 .402 ~~.240~~ ~~.086~~ ~~-.051~~ -.067 ~~-.119~~

Ps 301-309 12.209 11.197 11.683 12.127 12.457 12.781 12.913 12.912 12.916

Ps 201-206 12.703 12.765 12.841 12.757 12.434 12.438

Ps 207-212 12.073 12.140 12.182 12.148 12.073 11.990

Ps 213-224 13.453 11.599 11.178 10.973 11.114 11.971 12.129 12.229 12.271 13.137 ~~13.140~~ 13.055

Ps 225-236 13.902 ~~14.540~~ 11.092 ~~10.615~~ 10.514 ~~10.814~~ 11.702 ~~14.619~~ 11.889 12.751 13.133 13.372

Ps 237-245 14.947 14.253 13.000 12.327 12.189 12.954 12.728 12.432 12.406

Pcw = 12.656 L = .0275 Pcb = 12.101 Ptc/Pcw = 1.171 Wc = 1.83 T = 87. B = 29.97

Run 9-3 C1 I1 S0 B1 Eng 2 α=-10° β=0° m/m' = ~~.677~~ 0.732

Pt/Pto 131-144

~~.959~~ 1.000 1.000 ~~.999~~ .995 .991 .999 1.000 .999 ~~.997~~ .996 .990 ~~.980~~ .982

Cp 330-344

~~-.049~~ -.163 -.427 -.394 -.288 .560 .044 -.302 -.510 -.508 -.460 -.491 -1.060 -.402 -.813

Pt/Pto 101-130

.953 .972 .964 .953 1.000 1.000 .999 1.000 .990 .952
1.000 1.000 1.000 1.000 .999 .966 1.000 1.000 1.000 1.000
1.000 .988 1.000 1.000 1.000 1.000 .999 1.000 .999 1.000

Ptc = 14.823 Ptc/Pto = .991 K = .0479

Cp 310-320

.382 .957 .895 .697 .550 .254 -.000 -.025 -.069 -.080 -.079

Cp 321-329

.824 .865 .544 .280 ~~-.134~~ ~~-.020~~ ~~-.135~~ -.130 ~~-.151~~

Ps 301-309 12.440 11.280 11.820 12.266 12.566 12.798 12.924 12.926 12.934

Ps 201-206 12.717 12.779 12.857 12.773 12.449 12.452

Ps 207-212 12.090 12.157 12.198 12.165 12.090 12.008

Ps 213-224 13.159 11.343 10.991 10.877 11.050 11.977 12.132 12.240 12.287 13.151 ~~13.155~~ 13.068

Ps 225-236 14.030 ~~12.594~~ 11.256 ~~10.756~~ 10.610 ~~10.968~~ 11.758 ~~14.514~~ 11.919 12.767 13.155 13.408

Ps 237-245 14.947 14.260 13.013 12.345 12.210 12.969 12.782 12.449 12.422

Pcw = 12.671 L = .0275 Pcb = 12.118 Ptc/Pcw = 1.170 Wc = 1.83 T = 87. R = 29.97

Run 9-4 C1 T1 S0 B1 Env 2 α=-20° β=0° m/m'=.~~62~~ 0.731

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .998 .994 1.000 1.000 1.000 ~~1.000~~ .999 .993 ~~.981~~ .982

Cp 330-344

~~-.119~~ -.032 -.253 -.276 -.232 .698 .310 -.000 -.220 -.269 -.265 -.381 -1.035 -.292 -.765

o

Pt/Pto 101-130

.948 .973 .963 .953 1.000 1.000 .996 1.000 .997 .959

1.000 1.000 1.000 1.000 1.000 .977 1.000 1.000 1.000 1.000

.999 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pt = 14.838 Ptc/Pto = .992 K = .0526

Cp 310-320

-.231 .835 .986 .870 .750 .469 .151 .107 .034 .003 -.032

Cp 321-329

.782 .706 .320 .055 ~~-.041~~ ~~-.227~~ ~~-.332~~ -.291 ~~-.243~~

Ps 301-309 12.736 11.363 12.039 12.489 12.726 12.819 12.943 12.945 12.953

Ps 201-206 12.731 12.802 12.892 12.794 12.468 12.473

Ps 207-212 12.112 12.178 12.221 12.188 12.112 12.032

Ps 213-224 12.552 10.848 10.638 10.683 10.902 11.958 12.125 12.246 12.300 13.170 ~~13.179~~ 13.081

Ps 225-236 14.167 ~~11.906~~ 11.471 ~~13.939~~ 10.746 ~~11.034~~ 11.817 ~~14.514~~ 11.962 12.788 13.178 13.444

Ps 237-245 14.950 14.270 13.033 12.371 12.236 12.988 12.761 12.470 12.441

Pcw = 12.693 L = .0285 Pcb = 12.141 Ptc/Pcw = 1.169 W = 1.83 T = 87. B = 29.98

Run 9-5 C1 I1 S0 B1 Eng 2 α=4° β=0° m/m*=.~~637~~ 0.732

Pt/Pto 131-144

~~.994~~ .999 .998 ~~.999~~ .991 .987 .999 .999 .998 ~~.995~~ .991 .985 ~~.978~~ .980

Cp 330-344

~~-.018~~ -.357 -.629 -.515 -.344 .393 -.273 -.640 -.804 -.725 -.617 -.559 -1.070 -.473 -.830

Pt/Pto 101-130

.959 .972 .962 .952 1.000 1.000 1.000 1.000 .980 .948
1.000 1.000 1.000 1.000 .997 .956 1.000 1.000 1.000 1.000
1.000 .974 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.814 Ptc/Pto = .990 K = .0520

Cp 310-320

.773 .939 .676 .443 .291 .012 -.131 -.127 -.136 -.114 -.084

Cp 321-329

.672 .979 .777 .550 ~~.435~~ ~~.196~~ ~~.012~~ -.038 ~~-.123~~

Ps 301-309 11.930 11.031 11.503 11.972 12.338 12.752 12.891 12.890 12.894

Ps 201-206 12.680 12.741 12.818 12.737 12.409 12.412

Ps 207-212 12.038 12.107 12.149 12.118 12.040 11.959

Ps 213-224 13.757 11.886 11.392 11.085 11.179 11.955 12.125 12.217 12.252 13.118 ~~13.135~~ 13.038

Ps 225-236 13.682 ~~12.255~~ 10.855 ~~10.4~~ 10.397 ~~10.697~~ 11.617 ~~14.506~~ 11.856 12.726 13.086 13.315

Ps 237-245 14.959 14.250 12.971 12.288 12.149 12.934 12.700 12.401 12.377

Pow = 12.633 L = .0276 Pcb = 12.069 Ptc/Pow = 1.173 Wc = 1.84 T = 87. R = 29.99

Run 9-6 C1 I1 S0 B1 Eng 2 α=10° β=0° m/m' = ~~.677~~ 0.731

Pt/Pto 131-144

~~.992~~	.993	.995	~~.999~~	.989	.986	.999	.998	.995	~~.992~~	.989	.983	~~.977~~	.980

Cp 330-344

~~.042~~	-.418	-.677	-.530	-.340	.350	-.363	-.721	-.858	-.745	-.616	-.529	-1.033	-.448	-.799

Pt/Pto 101-130

.962	.966	.963	.952	1.000	1.000	1.000	.996	.979	.948
1.000	1.000	1.000	.999	.995	.952	1.000	1.000	1.000	1.000
1.000	.967	1.000	1.000	1.000	1.000	1.000	.998	1.000	1.000

Ptc = 14.815 Ptc/Pto = .989 K = .0531

Cp 310-320

.869	.918	.600	.360	.215	-.042	-.141	-.127	-.129	-.087	-.054

Cp 321-329

.512	.997	.861	.657	~~.539~~	~~.482~~	~~.051~~	-.038	~~-.144~~

Ps 301-309	11.692	10.824	11.367	11.844	12.232	12.738	12.386	12.884	12.886			
Ps 201-206	12.667	12.732	12.808	12.729	12.399	12.399						
Ps 207-212	12.017	12.092	12.135	12.105	12.025	11.942						
Ps 213-224	13.945	12.081	11.541	11.166	11.219	11.935	12.121	12.207	12.238	13.104	~~13.120~~	13.026
Ps 225-236	13.463	~~12.020~~	10.672	~~10.304~~	10.358	~~10.605~~	11.520	~~14.513~~	11.837	12.686	13.046	13.282
Ps 237-245	14.969	14.258	12.968	12.271	12.129	12.922	12.682	12.381	12.355			

Pcw = 12.622 L = .0276 Pcb = 12.053 Ptc/Pcw = 1.174 W = 1.84 T = 86. B = 30.01

Run 9-7 C1 I1 S0 B1 Eng 2 α=20° β=0° m/m* = ~~.667~~ 0.731

Pt/Pto 131-144

~~.991~~	.997	.994	~~.998~~	.988	.986	.998	.997	.994	.992	.988	.983	~~[illegible]~~	.979	

Cp 330-344

~~[illegible]~~	-.517	-.731	-.549	-.369	.276	-.479	-.615	-.897	-.734	-.589	-.487	-1.020	-.424	-.800

Pt/Pto 101-130

.963	.944	.950	.953	.999	1.000	1.000	.968	.962	.951
1.000	1.000	1.000	.983	.978	.959	1.000	1.000	1.000	.995
.995	.980	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.605 Ptc/Pto = .986 K = .0570

Cp 310-320

.883	.808	.481	.258	.127	-.093	-.124	-.097	-.098	~~-.058~~	-.049

Cp 321-329

.013	.847	.887	.738	.623	.343	.031	-.111	-.244

Ps 301-309	11.566	10.766	10.882	11.202	11.610	12.504	12.625	12.610	12.619			
Ps 201-206	~~12.395~~	12.474	12.556	~~12.470~~	12.112	12.123						
Ps 207-212	11.724	11.794	11.847	11.809	11.724	11.638						
Ps 213-224	13.965	12.110	11.517	11.043	11.043	11.685	11.896	11.970	11.990	12.848	~~[illegible]~~	12.772
Ps 225-236	12.833	~~13.167~~	10.233	10.014	10.293	11.674	11.204	~~[illegible]~~	11.587	12.364	12.738	12.990
Ps 237-245	14.805	14.033	12.675	11.958	11.812	12.643	12.414	12.088	12.077			

Pcw = 12.355 L = .0303 Pcb = 11.756 Ptc/Pcw = 1.182 Wc = 1.88 T = 69. B = 29.68

Run 9-8 C1 I1 S0 R1 Eng 2 α=0° β=-4° m/m*=~~.697~~ 0.731

Pt/Pto 131-144

~~.996~~ .999 .999 ~~.999~~ .992 .988 .999 1.000 .999 .998 .993 .988 ~~.978~~ .980

Cp 330-344

~~-.001~~ -.231 -.533 -.474 -.330 .427 -.196 -.558 -.739 -.681 -.592 -.564 -1.096 -.466 -.864

Pt/Pto 101-130

.953 .952 .971 .958 1.000 1.000 .999 .985 .979 .953
1.000 1.000 1.000 .996 .989 .954 1.000 1.000 1.000 1.000
.999 .968 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.644 Ptc/Pto = .988 K = .0483

Cp 310-320

.618 .915 .718 .498 .347 .064 -.123 -.128 -.140 ~~-.146~~ -.103

Cp 321-329

.460 .977 .876 .655 .534 .285 .075 .008 -.083

Ps 301-309 11.542 14.413 11.145 11.673 12.065 12.504 12.644 12.620 12.620

Ps 201-206 ~~16.412~~ 12.490 12.558 ~~13.466~~ 12.130 12.136

Ps 207-212 11.741 11.812 11.865 11.828 11.736 11.653

Ps 213-224 13.367 11.409 10.926 10.632 10.747 11.648 11.806 12.913 11.962 12.870 ~~13.110~~ 12.783

Ps 225-236 13.215 ~~11.714~~ 10.305 9.927 10.029 10.396 11.190 ~~14.375~~ 11.575 12.410 12.780 13.032

Ps 237-245 14.804 14.040 12.698 11.988 11.844 12.671 12.439 12.118 12.094

Pcw = 12.365 L = .0292 Pcb = 11.773 Pte/Pcw = 1.184 We = 1.88 T = 71. B = 29.68

Run 9-9 C1 I1 S0 R1 Eng 2 α=0° β=-10° m/m*=.677

Pt/Pto 131-144

~~.997~~	.999	.999	~~.999~~	.992	.988	.999	1.000	1.000	.998	.994	.989	~~.976~~	.979

Cp 330-344

~~-.024~~	-.159	-.502	-.490	-.380	.374	-.228	-.577	-.747	-.693	-.609	-.606	-1.175	-.505	-.962

Pt/Pto 101-130

.945	.916	.970	.966	1.000	1.000	.999	.932	.980	.957
1.000	1.000	1.000	.945	.979	.960	1.000	1.000	.999	.965
.985	.979	1.000	1.000	1.000	.994	.998	.999	1.000	1.000

Ptc = 14.553 Ptc/Pto = .982 K = .0854

Cp 310-320

.407	.779	.621	.424	.284	.009	-.190	-.204	-.214	~~-.191~~	-.175

Cp 321-329

-.197	.862	.976	.834	.723	.458	.191	.082	-.035

Ps 301-309 11.243 13.879 10.703 11.344 11.873 12.323 12.436 12.381 12.434

Ps 201-206 ~~12.257~~ 12.362 12.429 ~~12.327~~ 11.971 11.974

Ps 207-212 11.554 11.641 11.709 11.649 11.546 11.462

Ps 213-224 13.207 11.169 10.666 10.348 10.462 11.444 11.604 11.719 11.766 12.686 ~~12.799~~ 12.629

Ps 225-236 12.484 ~~10.960~~ 9.753 9.675 10.026 10.548 10.913 ~~14.374~~ 11.293 12.073 12.513 12.806

Ps 237-245 14.803 14.002 12.589 11.814 11.636 12.509 12.246 11.898 11.898

Pcw = 12.220 L = .0315 Pcb = 11.594 Ptc/Pcw = 1.191 Wc = 1.89 T = 72. B = 29.68

Run 9-10 C1 I1 80 M1 Eng 2 α=0° β=4° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~1.000~~ .992 .988 .999 .999 .999 .997 .992 .985 ~~.978~~ .981

Cp 330-344

~~-.804~~ -.399 -.637 -.521 -.352 .436 -.190 -.556 -.741 -.682 -.592 -.563 -1.111 -.475 -.847

Pt/Pto 101-130

.959 .977 .966 .942 1.000 1.000 1.000 1.000 .999 .945
1.000 1.000 1.000 1.000 1.000 .960 1.000 1.000 1.000 1.000
1.000 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.682 Ptc/Pto = .991 K = .0583

Cp 310-320

.737 .995 .759 .524 .364 .072 -.104 -.108 -.134 ~~-.123~~ -.101

Cp 321-329

.908 .916 .561 .313 .213 .019 -.089 -.092 -.145

Ps 301-309 12.178 11.078 11.546 11.982 12.304 12.582 12.704 12.714 12.706

Ps 201-206 ~~12.469~~ 12.537 12.644 ~~12.534~~ 12.192 12.203

Ps 207-212 11.819 11.890 11.933 11.900 11.817 11.732

Ps 213-224 13.467 11.600 11.149 10.889 10.998 11.802 11.962 12.052 12.082 12.936 ~~12.988~~ 12.844

Ps 225-236 13.954 ~~12.685~~ 11.166 10.638 10.448 10.772 11.553 ~~14.374~~ 11.697 12.542 12.948 13.231

Ps 237-245 14.804 14.052 12.731 12.042 11.914 12.718 12.512 12.207 12.175

Pcw = 12.430 L = .0308 Pcb = 11.848 Ptc/Pcw = 1.181 Mc = 1.87 T = 7½. B = 29.68

Run 9-11 C1 I1 S0 E1 Eng 2 α=0° β=10° m/m*=.677 0.731

Pt/Pto 131-144
~~.997~~ 1.000 .999 ~~.999~~ .992 .988 .998 .998 .997 .996 .991 .982 ~~.977~~ .980

Cp 330-344
~~-.098~~ -.582 -.761 -.608 -.435 .390 -.211 -.578 -.758 -.701 -.620 -.608 -1.206 -.525 -.895

Pt/Pto 101-130
.963 .983 .982 .938 .999 1.000 1.000 1.000 1.000 .949
1.000 1.000 1.000 1.000 1.000 .965 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.696 Ptc/Pto = .992 K = .0629

Cp 310-320
.712 .971 .729 .492 .322 .022 -.148 -.152 -.205 ~~-.186~~ -.176

Cp 321-329
.949 .668 .220 .015 -.051 -.181 -.212 -.177 -.165

Ps 301-309 12.376 11.187 11.857 12.272 12.487 12.583 12.694 12.702 12.709

Ps 201-206 ~~12.469~~ 12.534 12.643 ~~12.537~~ 12.191 12.205

Ps 207-212 11.820 11.889 11.934 11.900 11.820 11.733

Ps 213-224 13.476 11.678 11.245 11.007 11.112 11.861 12.023 12.097 12.116 12.938 ~~12.943~~ 12.844

Ps 225-236 14.333 ~~13.810~~ 11.782 11.186 10.844 11.142 11.702 ~~14.369~~ 11.788 12.556 12.961 13.262

Ps 237-245 14.806 14.081 12.756 12.054 11.919 12.716 12.515 12.211 12.180

Pcw = 12.430 L = .0308 Pcb = 11.849 Ptc/Pcw = 1.182 Wc = 1.88 T = 75. B = 29.67

Run 9-12 C1 I1 S0 B1 Eng 2 α=4° β=10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.996~~ 1.000 .999 ~~.999~~ .991 .987 .998 .998 .997 .995 .990 .981 ~~.976~~ .979

Cp 330-344

~~-.896~~ -.594 -.772 -.594 -.402 .338 -.296 -.662 -.826 -.747 -.649 -.615 -1.206 -.521 -.874

Pt/Pto 101-130

.965 .983 .983 .937 .999 1.000 1.000 1.000 1.000 .948
1.000 1.000 1.000 1.000 1.000 .962 1.000 1.000 1.000 1.000
1.000 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.695 Ptc/Pto = .992 K = .0637

Cp 310-320

.830 .970 .715 .435 .271 -.012 -.151 -.142 -.186 ~~-.158~~ -.135

Cp 321-329

.957 .790 .369 .132 .054 -.090 -.142 -.124 -.137

Ps 301-309 12.337 11.139 11.727 12.154 12.415 12.573 12.686 12.688 12.703

Ps 201-206 ~~12.461~~ 12.527 12.636 ~~12.531~~ 12.184 12.198

Ps 207-212 11.812 11.882 11.926 11.890 11.812 11.724

Ps 213-224 13.616 11.808 11.339 11.051 11.134 11.840 12.012 12.083 12.100 12.931 ~~12.944~~ 12.837

Ps 225-236 14.251 ~~13.078~~ 11.642 11.066 10.750 11.056 11.663 ~~14.368~~ 11.755 12.543 12.951 13.252

Ps 237-245 14.805 14.095 12.772 12.062 11.919 12.712 12.508 12.203 12.172

Pcv = 12.423 L = .0307 Pcb = 11.841 Ptc/Pcw = 1.183 Wc = 1.88 T = 76. B = 29.67

Run 9-13 C1 I1 S0 B1 Eng 2 α=4° β=4° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.995~~ .999 .998 ~~1.000~~ .991 .987 .999 .999 .998 .995 .991 .984 ~~.977~~ .980

Cp 330-344

~~-.031~~ -.442 -.674 -.533 -.348 .387 -.274 -.645 -.811 -.727 -.624 -.570 -1.101 -.477 -.832

Pt/Pto 101-130

.961 .976 .968 .941 1.000 1.000 1.000 1.000 .999 .943
1.000 1.000 1.000 1.000 1.000 .956 1.000 1.000 1.000 1.000
1.000 .977 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.667 Ptc/Pto = .991 K = .0599

Cp 310-320

.831 .941 .735 .458 .298 .J014gg -xh11 g x117 -.136 ~~-.113~~ -.086

Cp 321-329

.871 .936 .656 .398 .294 .087 -.047 -.070 -.134

Ps 301-309 11.992 11.078 11.426 11.859 12.207 12.565 12.692 12.692 12.703

Ps 201-206 ~~12.465~~ 12.529 12.635 ~~12.527~~ 12.184 12.196

Ps 207-212 11.813 11.882 11.926 11.890 11.812 11.726

Ps 213-224 13.602 11.735 11.244 10.932 11.015 11.782 11.949 12.037 12.063 12.925 ~~12.957~~ 12.837

Ps 225-236 13.839 ~~12.472~~ 11.021 10.512 10.355 10.688 11.506 ~~14.358~~ 11.663 12.527 12.935 13.216

Ps 237-245 14.798 14.065 12.750 12.053 11.917 12.715 12.505 12.200 12.169

Pcv = 12.422 L = .0307 Peb = 11.841 Ptc/Pcv = 1.181 Wc = 1.87 T = 75. B = 29.66

Run 9-14 C1 I1 S0 B1 Eng 2 α=4° β=-4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.995~~ .999 .998 ~~.999~~ .991 .987 .999 1.000 .999 .996 .992 .986 ~~.977~~ .980

Cp 330-344

~~-.009~~ -.301 -.603 -.517 -.357 .385 -.281 -.645 -.806 -.726 -.623 -.570 -1.090 -.479 -.871

Pt/Pto 101-130

.953 .947 .972 .959 1.000 1.000 1.000 .974 .979 .952
1.000 1.000 1.000 .990 .987 .950 1.000 1.000 1.000 .999
.998 .962 1.000 1.000 1.000 1.000 1.000 .996 .999 1.000

Ptc = 14.615 Ptc/Pto = .987 K = .0537

Cp 310-320

.672 .878 .672 .422 .275 -.000 -.155 -.159 -.165 ~~-.140~~ -.110

Cp 321-329

.373 .966 .891 .699 .577 .319 .085 -.000 -.105

Ps 301-309 11.346 14.277 11.062 11.618 12.029 12.483 12.645 12.617 12.622

Ps 201-206 ~~12.419~~ 12.498 12.565 ~~12.475~~ 12.139 12.146

Ps 207-212 11.755 11.825 11.877 11.846 11.752 11.669

Ps 213-224 13.504 11.552 11.037 10.693 10.787 11.641 11.807 11.908 11.952 12.865 ~~12.860~~ 12.785

Ps 225-236 13.076 ~~11.573~~ 10.224 9.900 10.061 10.451 11.141 ~~14.359~~ 11.564 12.381 12.759 13.011

Ps 237-245 14.798 14.069 12.754 12.034 11.876 12.679 12.443 12.122 12.100

Pcw = 12.374 L = .0291 Pcb = 11.788 Ptc/Pcw = 1.181 Wc = 1.86 T = 77. B = 29.66

Run 9-15 C1 I1 S0 B1 Eng 2 α=4° β=-10° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

~~.995~~	.999	.999	~~.999~~	.991	.987	.999	1.000	.999	.997	.992	.987	~~.976~~	.979

Cp 330-344

~~-.043~~	-.257	-.595	-.564	-.440	.326	-.318	-.664	-.820	-.739	-.641	-.613	-1.172	-.529	-.974

Pt/Pto 101-130

.946	.914	.968	.971	1.000	1.000	.999	.928	.978	.961
1.000	1.000	1.000	.940	.976	.953	1.000	1.000	1.000	.958
.980	.969	1.000	1.000	1.000	.989	.996	.997	.999	1.000

Ptc = 14.520 Ptc/Pto = .981 K = .0875

Cp 310-320

.492	.751	.549	.335	.194	-.072	-.242	-.259	-.286	~~-.222~~	-.204

Cp 321-329

-.360	.809	.971	.845	.736	.464	.168	.040	-.093

Ps 301-309	11.042	13.834	10.729	11.323	11.824	12.315	12.426	12.381	12.426			
Ps 201-206	~~12.261~~	12.358	12.431	~~12.328~~	11.972	11.974						
Ps 207-212	11.557	11.651	11.721	11.651	11.551	11.467						
Ps 213-224	13.370	11.350	10.818	10.452	10.538	11.453	11.620	11.728	11.766	12.672	~~12.676~~	12.624
Ps 225-236	12.334	~~10.833~~	9.714	9.707	10.059	10.567	10.889	~~14.361~~	11.254	12.049	12.501	12.787
Ps 237-245	14.790	13.992	12.579	11.804	11.627	12.496	12.232	11.887	11.902			

Pcw = 12.221 L = .0316 Pcb = 11.600 Ptc/Pcw = 1.188 Wc = 1.87 T = 78. B = 29.66

Run 9-16 C1 I1 S0 B1 Eng 2 α=-4° β=-10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.998~~ .999 .999 ~~.999~~ .993 .988 .999 .999 .999 .999 .995 .990 ~~.977~~ .980

Cp 330-344

~~-.041~~ -.073 -.415 -.424 -.325 .415 -.149 -.490 -.674 -.640 -.570 -.591 -1.170 -.475 -.937

Pt/Pto 101-130

.945 .920 .972 .963 1.000 1.000 .999 .937 .981 .957
.999 1.000 1.000 .951 .978 .965 1.000 1.000 1.000 .972
.986 .983 1.000 1.000 1.000 .997 .998 .999 1.000 1.000

Ptc = 14.559 Ptc/Pto = .983 K = .0812

Cp 310-320

.298 .788 .683 .498 .362 .077 -.138 -.156 -.173 ~~-.169~~ -.151

Cp 321-329

-.035 .889 .959 .804 .685 .429 .189 .099 -.007

Ps 301-309 11.480 14.001 10.784 11.423 11.955 12.371 12.491 12.453 12.496

Ps 201-206 ~~12.329~~ 12.424 12.486 ~~12.393~~ 12.044 12.048

Ps 207-212 11.643 11.724 11.788 11.728 11.639 11.556

Ps 213-224 13.056 11.052 10.597 10.338 10.478 11.490 11.652 11.771 11.825 12.745 ~~12.728~~ 12.688

Ps 225-236 12.646 ~~11.131~~ 9.891 9.766 10.102 10.618 11.009 ~~14.368~~ 11.405 12.153 12.573 12.855

Ps 237-245 14.796 14.050 12.688 11.933 11.754 12.588 12.320 11.982 11.985

Pcw = 12.287 L = .0303 Pcb = 11.680 Ptc/Pcw = 1.185 Wc = 1.86 T = 80. B = 29.66

Run 9-17 C1 I1 S0 E1 Eng 2 α=-4° β=-4° m/m*=.697 0.732

Pt/Pto 131-144

~~.990~~ .999 1.000 ~~.999~~ .993 .989 .999 1.000 1.000 .999 .995 .989 ~~.978~~ .981

Cp 330-344

~~-.016~~ -.161 -.469 -.427 -.300 .471 -.112 -.471 -.664 -.625 -.554 -.550 -1.101 -.446 -.862

Pt/Pto 101-130

.951 .956 .970 .958 1.000 1.000 .999 .992 .978 .954
.999 1.000 1.000 .998 .990 .957 1.000 1.000 1.000 1.000
.999 .974 1.000 1.000 1.000 1.000 1.000 .999 .999 1.000

Ptc = 14.642 Ptc/Pto = .989 K = .0493

Cp 310-320

.514 .918 .778 .573 .425 .136 -.080 -.095 -.111 ~~-.113~~ -.094

Cp 321-329

.558 .976 .813 .596 .472 .236 .051 .001 -.072

Ps 301-309 11.772 14.576 11.236 11.740 12.115 12.534 12.679 12.663 12.669

Ps 201-206 ~~12.469~~ 12.541 12.605 ~~12.521~~ 12.189 12.197

Ps 207-212 11.813 11.881 11.931 11.893 11.807 11.730

Ps 213-224 13.203 11.266 10.829 10.593 10.733 11.669 11.827 11.942 11.992 12.911 ~~12.888~~ 12.828

Ps 225-236 13.340 ~~11.861~~ 10.437 10.028 10.090 10.408 11.266 ~~14.375~~ 11.621 12.475 12.830 13.071

Ps 237-245 14.798 14.094 12.807 12.102 11.949 12.725 12.496 12.183 12.166

Pcw = 12.420 L = .0284 Pcb = 11.842 Ptc/Pcw = 1.179 Mc = 1.84 T = 83. B = 29.66

Run 9-18 C1 I1 S0 B1 Eng 2 α=-4° β=4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~.998~~ 1.000 1.000 ~~1.000~~ .993 .989 .999 .999 .999 .998 .994 .987 ~~.979~~ .981

Cp 330-344
~~-.042~~ -.362 -.597 -.503 -.353 .481 -.098 -.463 -.657 -.624 -.550 -.541 -1.093 -.456 -.841

Pt/Pto 101-130
.958 .978 .966 .945 1.000 1.000 .999 1.000 .999 .949
1.000 1.000 1.000 1.000 .999 .965 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.673 Ptc/Pto = .991 K = .0555

Cp 310-320
.652 .995 .810 .582 .425 .126 -.078 -.092 -.132 ~~-.127~~ -.119

Cp 321-329
.929 .837 .458 .209 .115 -.064 -.151 -.138 -.165

Ps 301-309 12.265 11.202 11.715 12.149 12.436 12.641 12.762 12.771 12.774

Ps 201-206 ~~12.552~~ 12.612 12.711 ~~12.608~~ 12.276 12.289

Ps 207-212 11.922 11.990 12.031 11.998 11.923 11.841

Ps 213-224 13.334 11.521 11.118 10.921 11.054 11.870 12.028 12.120 12.152 12.992 ~~12.967~~ 12.906

Ps 225-236 14.066 ~~12.800~~ 11.375 10.848 10.635 10.935 11.669 14.370 11.796 12.608 13.000 13.279

Ps 237-245 14.792 14.095 12.836 12.166 12.035 12.792 12.586 12.292 12.269

Pcw = 12.508 L = .0296 Pcb = 11.951 Ptc/Pcw = 1.173 Wc = 1.83 T = 84. B = 29.65

Run 9-19 C1 I1 S0 B1 Eng 2 α=-4° β=10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144
~~.998~~ 1.000 .999 ~~.999~~ .993 .989 .998 .998 .998 .997 .993 .984 ~~.977~~ .980

Cp 330-344
~~-.126~~ -.567 -.746 -.616 -.462 .437 -.121 -.483 -.678 -.646 -.574 -.580 -1.167 -.513 -.880

Pt/Pto 101-130
.963 .983 .983 .942 .999 1.000 1.000 1.000 1.000 .954
1.000 1.000 1.000 1.000 1.000 .972 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.695 Ptc/Pto = .993 K = .0584

Cp 310-320
.643 .956 .779 .527 .359 .057 -.142 -.153 -.216 ~~-.207~~ -.213

Cp 321-329
.894 .577 .062 -.124 -.183 -.292 -.297 -.247 -.238

Ps 301-309 12.901 11.406 12.139 12.508 12.657 12.689 12.796 12.806 12.812

Ps 201-206 ~~12.587~~ 12.644 12.744 ~~12.650~~ 12.317 12.331

Ps 207-212 11.973 12.037 12.078 12.043 11.974 11.891

Ps 213-224 13.394 11.671 11.293 11.121 11.246 11.986 12.145 12.219 12.240 13.024 ~~13.028~~ 12.935

Ps 225-236 14.425 ~~13.412~~ 12.041 11.461 11.109 11.383 11.868 ~~14.378~~ 11.948 12.663 13.047 13.335

Ps 237-245 14.795 14.111 12.859 12.198 12.069 12.817 12.621 12.337 12.315

Pcw = 12.546 L = .0291 Pcb = 11.999 Ptc/Pcw = 1.171 Wc = 1.82 T = 85. B = 29.65

Run 9-20 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.677 0.732

Pt/Pto 131-144
~~.996~~ .999 .999 ~~1.000~~ .992 .988 .999 1.000 .999 .997 .993 .987 ~~.978~~ .981

Cp 330-344
~~.004~~ -.301 -.576 -.484 -.323 .445 -.184 -.552 -.733 -.673 -.583 -.550 -1.073 -.455 -.829

Pt/Pto 101-130
.957 .973 .961 .952 1.000 1.000 1.000 1.000 .981 .948
1.000 1.000 1.000 1.000 .998 .958 1.000 1.000 1.000 1.000
1.000 .979 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.653 Ptc/Pto = .990 K = .0523

Cp 310-320
.719 .974 .767 .519 .365 .078 -.100 -.105 -.122 ~~-.113~~ -.083

Cp 321-329
.767 1.001 .741 .489 .376 .150 -.006 -.042 -.111

Ps 301-309 11.892 10.921 11.404 11.864 12.215 12.591 12.730 12.728 12.734

Ps 201-206 ~~12.917~~ 12.578 12.656 ~~12.572~~ 12.240 12.250

Ps 207-212 11.878 11.945 11.987 11.952 11.877 11.795

Ps 213-224 13.441 11.560 11.102 10.836 10.950 11.779 11.941 12.039 12.080 12.957 ~~12.981~~ 12.874

Ps 225-236 13.634 ~~12.217~~ 10.789 10.327 10.256 10.549 11.477 ~~14.377~~ 11.689 12.566 12.940 13.170

Ps 237-245 14.790 14.095 12.826 12.143 12.001 12.767 12.548 12.248 12.226

Pcv = 12.469 L = .0284 Pcb = 11.906 Ptc/Pcv = 1.175 Wc = 1.83 T = 86. B = 29.65

Run 9-22 C1 I1 S0 B1 Eng 2 α=20° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144
~~.991~~ .997 .994 ~~.998~~ .988 .986 .998 .997 .994 .992 .988 .983 ~~.976~~ .979

Cp 330-344
~~-.092~~ -.517 -.731 -.550 -.368 .276 -.477 -.813 -.897 -.733 -.585 -.485 -1.022 -.419 -.801

Pt/Pto 101-130
.962 .941 .952 .953 1.000 1.000 1.000 .964 .964 .950
1.000 1.000 1.000 .980 .979 .960 1.000 1.000 1.000 .994
.995 .980 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.584 Ptc/Pto = .986 K = .0599

Cp 310-320
.881 .802 .476 .259 .128 -.091 -.124 -.097 -.097 ~~-.057~~ -.049

Cp 321-329
.009 .850 .894 .738 .623 .345 .032 -.109 -.243

Ps 301-309 11.491 10.671 10.801 11.153 11.575 12.466 12.590 12.585 12.579

Ps 201-206 ~~12.367~~ 12.441 12.520 ~~12.439~~ 12.076 12.086

Ps 207-212 11.685 11.758 11.812 11.768 11.687 11.601

Ps 213-224 13.939 12.080 11.486 11.007 11.004 11.623 11.862 11.936 11.957 12.806 ~~12.811~~ 12.734

Ps 225-236 12.790 ~~11.357~~ 10.167 9.961 10.158 10.598 11.157 ~~14.388~~ 11.535 12.310 12.695 12.949

Ps 237-245 14.784 14.015 12.655 11.925 11.778 12.611 12.371 12.048 12.045

Pcv = 12.322 L = .0305 Pcb = 11.718 Ptc/Pcv = 1.184 Wc = 1.84 T = 88. B = 29.64

Run 9-21 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*= 677 0.731

Pt/Pto 131-144

~~.997~~	1.000	1.000	~~1.000~~	.993	.989	.999	.999	.999	.998	.994	.987	~~.977~~	.976

Cp 330-344

~~-.005~~	-.305	-.576	-.487	-.328	.442	-.186	-.557	-.733	-.676	-.589	-.564	-1.204	-.467	-.868

Pt/Pto 101-130

.956	.972	.962	.946	1.000	1.000	.999	1.000	.980	.961
1.000	1.000	1.000	1.000	.998	.971	1.000	1.000	1.000	1.000
1.000	.987	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.667 Ptc/Pto = .991 K = .0544

Cp 310-320

.702	.969	.750	.516	.366	.076	-.100	-.106	-.124	~~-.114~~	-.085

Cp 321-329

.741	.973	.732	.492	.378	.151	-.007	-.043	-.111

Ps 301-309 11.903 10.994 11.535 11.995 12.328 12.629 12.740 12.745 12.763

Ps 201-206 ~~12.539~~ 12.599 12.680 ~~12.688~~ 12.260 12.273

Ps 207-212 11.905 11.970 12.013 11.979 11.906 11.822

Ps 213-224 13.437 11.570 11.124 10.878 11.002 11.834 11.992 12.091 12.131 12.980 ~~12.984~~ 12.895

Ps 225-236 13.630 ~~12.219~~ 10.820 10.377 10.328 10.613 11.525 ~~14.383~~ 11.744 12.598 12.957 13.182

Ps 237-245 14.790 14.089 12.833 12.161 12.025 12.791 12.567 12.268 12.249

Pcv = 12.492 L = .0286 Pcb = 11.933 Ptc/Pcv = 1.174 Wc = 1.82 T = 87. B = 29.65

Run 6-2 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.338 0.370

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .998 .999

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.003 -.000 -.003

Pt/Pto 101-130
.983 .978 .994 .992 .999 .999 .992 .978 .997 .995
1.000 1.000 .993 .980 .996 .998 1.000 1.000 1.000 .984
.995 1.000 1.000 1.000 1.000 .993 .997 1.000 1.000 1.000

Ptc = 14.624 Ptc/Pto = .995 K = .0222

Cp 310-320
-.024 -.011 -.005 -.002 -.001 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.019 -.008 -.003 -.002 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13.916 13.406 13.529 13.726 13.956 14.177 14.169 14.157 14.168

Ps 201-206 14.130 14.153 14.179 14.149 14.058 14.062

Ps 207-212 13.983 14.005 14.009 13.997 13.984 13.966

Ps 213-224 13.445 13.406 13.481 13.571 13.641 13.918 13.972 14.003 14.017 14.216 14.205 14.200

Ps 225-236 13.594 13.552 13.530 13.591 13.672 13.786 13.852 14.624 13.910 14.065 14.175 14.252

Ps 237-245 14.697 14.520 14.204 14.038 14.001 14.168 14.112 14.037 14.036

Pcw = 14.122 L = .0083 Pcb = 13.990 Ptc/Pcw = 1.036 Wc = .95 T = 67. B = 29.90

Run 6-3 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.~~674~~ .518, .520

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .996 .999

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.006 -.001 -.005

Pt/Pto 101-130
.969 .955 .989 .987 1.000 1.000 .989 .956 .993 .992
1.000 1.000 1.000 .000 .99_ .997 1.000 1.000 1.000 .967
.987 1.000 1.000 1.000 .999 .983 .990 1.000 1.000 1.000

Ptc = 14.552 Ptc/Pto = .990 K = .0459

Cp 310-320
-.046 -.021 -.009 -.004 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.037 -.016 -.007 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.085 12.255 12.439 12.705 13.116 13.660 13.645 13.625 13.642

Ps 201-206 13.567 13.616 13.658 13.607 13.422 13.439

Ps 207-212 13.275 13.327 13.337 13.296 13.263 13.235

Ps 213-224 12.222 12.141 12.287 12.458 12.691 13.134 13.255 13.320 13.348 13.730 13.752 13.713

Ps 225-236 12.563 12.480 12.385 12.489 12.662 13.000 13.137 ~~14.616~~ 13.186 13.418 13.651 ~~13.801~~

Ps 237-245 14.694 14.353 13.716 13.372 13.294 13.642 13.532 13.379 13.377

Pcw = 13.551 L = .0163 Pcb = 13.289 Ptc/Pcw = 1.074 Wc = 1.32 T = 66. B = 29.90

Run 6-6 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.540 0.594

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .995 .998

Cp 330-344
-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.008 -.001 -.007

Pt/Pto 101-130
.965 .938 .983 .985 1.000 1.000 .987 .941 .989 .993
1.000 1.000 .999 .946 .987 .997 1.000 1.000 .999 .955
.981 .999 1.000 1.000 .999 .974 .987 1.000 1.000 1.000

Ptc = 14.508 Ptc/Pto = .987 K = .0624

Cp 310-320
-.059 -.026 -.011 -.005 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.047 -.020 -.009 -.004 -.003 -.001 -.000 -.000 -.000

Ps 301-309 12.683 11.574 11.802 12.047 12.479 13.317 13.306 13.272 13.310

Ps 201-206 13.209 13.272 13.332 13.264 13.022 13.035

Ps 207-212 12.818 12.907 12.926 12.857 12.801 12.761

Ps 213-224 11.497 11.364 11.540 11.753 12.052 12.634 12.794 12.881 12.917 13.419 13.409 13.405

Ps 225-236 11.973 11.826 11.659 11.775 12.009 12.476 12.666 14.600 12.723 13.006 13.309 13.504

Ps 237-245 14.699 14.258 13.423 12.969 12.860 13.340 13.170 12.963 12.961

Pcw = 13.189 L = .0214 Pcb = 12.845 Ptc/Pcw = 1.100 Wc = 1.49 T = 65. B = 29.91

Run 6-7 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=.610 0.670

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 1.000 .999 .994 .998

Cp 330-344
-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.010 -.001 -.008

Pt/Pto 101-130
.957 .922 .968 .973 1.000 .999 .993 .932 .977 .982
1.000 .999 1.000 .941 .971 .994 1.000 1.000 1.000 .952
.966 1.000 1.000 1.000 1.000 .978 .985 1.000 1.000 1.000

Ptc = 14.451 Ptc/Pto = .983 K = .0736

Cp 310-320
-.071 -.031 -.013 -.006 -.004 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.057 -.025 -.011 -.005 -.003 -.001 -.000 -.000 -.000

Ps 301-309 11.943 10.761 11.007 11.288 11.702 12.764 12.825 12.786 12.819

Ps 201-206 12.675 12.750 12.837 12.743 12.429 12.457

Ps 207-212 12.134 12.221 12.281 12.174 12.117 12.059

Ps 213-224 10.705 10.368 10.539 10.764 11.056 11.911 12.123 12.233 12.279 12.982 12.965 12.946

Ps 225-236 11.295 10.933 10.643 10.716 10.993 11.606 11.930 14.587 12.062 12.430 12.826 13.071

Ps 237-245 14.696 14.087 12.943 12.312 12.161 12.854 12.620 12.348 12.356

Pcw = 12.649 L = .0283 Pcb = 12.164 Ptc/Pcw = 1.143 Wc = 1.71 T = 64. B = 29.91

Run 6-11 C1 I1 S0 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.741

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 1.000 .998 ~~.992~~ .997

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 ~~-.000~~ -.002 -.013 -.002 -.011

Pt/Pto 101-130
.939 .900 .958 .966 1.000 1.000 .978 .913 .967 .978
1.000 1.000 1.000 .925 .960 .992 1.000 1.000 1.000 .941
.955 .999 1.000 1.000 .999 .973 .979 1.000 1.000 1.000

Ptc = 14.378 Ptc/Pto = .977 K = .1025

Cp 310-320
-.089 -.040 -.017 -.008 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.070 -.031 -.014 -.007 -.004 -.002 -.000 -.000 -.000

Ps 301-309 11.365 13.735 14.034 14.379 10.824 12.180 12.278 12.229 12.273

Ps 201-206 12.061 12.172 12.284 12.171 11.764 11.801

Ps 207-212 11.357 11.473 11.580 11.415 11.321 11.238

Ps 213-224 9.743 n.g. n.g. 9.647 9.998 11.112 11.385 11.525 11.585 12.479 12.454 12.448

Ps 225-236 10.555 10.158 9.591 9.619 9.944 10.677 11.138 ~~11.504~~ 11.292 11.786 12.281 12.597

Ps 237-245 14.697 13.902 12.435 11.608 11.398 12.311 12.025 11.661 11.681

Pcv = 12.042 L = .0361 Pcb = 11.397 Ptc/Pcv = 1.194 Wc = 1.90 T = 62. B = 29.93

Run 6-1 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=~~.338~~ 0.370

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 ~~.998~~ .998

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.000 -.000 -.000 .000 -.000 -.000 -.000 -.000 -.003 -.000 -.003

Pt/Pto 101-130
.985 .977 .992 .992 1.000 1.000 .995 .978 .995 .997
1.000 1.000 1.000 .980 .994 .999 1.000 1.000 1.000 .985
.993 1.000 1.000 1.000 1.000 .993 .996 1.000 1.000 1.000

Ptc = 14.625 Ptc/Pto = .995 K = .0229

Cp 310-320
-.024 -.010 -.004 -.002 -.001 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.018 -.008 -.003 -.002 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13.860 13.473 13.541 13.720 13.939 14.192 14.180 14.160 14.173

Ps 201-206 14.143 14.164 14.189 14.160 14.066 14.074

Ps 207-212 13.995 14.017 14.025 14.011 13.994 13.978

Ps 213-224 13.441 13.407 13.488 13.581 13.670 13.928 13.987 14.018 14.033 14.217 ~~14.212~~ 14.210

Ps 225-236 13.628 13.579 13.569 13.637 13.722 13.811 13.855 ~~14.630~~ 13.916 14.076 14.180 ~~14.252~~

Ps 237-245 14.696 14.513 14.200 14.040 14.009 14.167 14.119 14.045 14.044

Pcw = 14.133 L = .0084 Pcb = 14.003 Ptc/Pcw = 1.035 Wc = .94 T = 69. B = 29.90

Run 6-4 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=.474 0.521

Pt/Pto 131144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .996 .996

Cp 330-344

-.000 .000 -.000 -.000 -.000 .000 .000 -.000 -.000 -.000 -.000 -.001 -.007 -.001 -.006

Pt/Pto 101-130

.972 .954 .987 .985 1.000 1.000 .990 .957 .991 .997
1.000 1.000 .999 .962 .987 1.000 1.000 1.000 .999 .969
.984 1.000 .999 1.000 .999 .985 .992 .999 .999 .999

Ptc = 14.553 Ptc/Pto = .990 K = .0457

Cp 310-320

-.047 -.021 -.009 -.004 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.037 -.017 -.008 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 12.908 12.362 12.415 12.655 13.085 13.663 13.640 13.624 13.636

Ps 201-206 13.564 13.611 13.660 13.604 13.419 13.433

Ps 207-212 13.268 13.318 13.332 13.298 13.263 13.230

Ps 213-224 12.212 12.128 12.276 12.447 12.695 13.130 13.253 13.318 13.347 13.724 13.721 13.714

Ps 225-236 12.551 12.467 12.379 12.488 12.671 12.959 13.075 14.609 13.150 13.427 13.651 13.796

Ps 237-245 14.694 14.336 13.695 13.353 13.280 13.640 13.523 13.373 13.373

Pcw = 13.548 L = .0165 Pcb = 13.285 Ptc/Pcw = 1.074 Wc = 1.32 T = 65. B = 29.90

Run 6-5 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=.540 0.591

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .999 1.000 .998 .994 .994

Cp 330-344
-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.009 -.001 -.007

Pt/Pto 101-130
.965 .941 .985 .975 1.000 1.000 .992 .946 .989 .995
1.000 1.000 .999 .993 .985 1.000 1.000 1.000 .999 .982
.978 1.000 .999 1.000 .999 .980 .987 .999 1.000 1.000

Ptc = 14.519 Ptc/Pto = .987 K = .0594

Cp 310-320
-.059 -.027 -.011 -.005 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.047 -.021 -.009 -.004 -.003 -.001 -.000 -.000 -.000

Ps 301-309 12.442 11.734 11.771 12.000 12.531 13.322 13.319 13.284 13.318

Ps 201-208 13.221 13.285 13.342 13.371 13.332 13.056

Ps 207-212 12.831 12.902 12.932 12.867 12.820 12.777

Ps 213-224 11.494 11.348 11.528 11.744 12.056 12.631 12.706 12.884 12.921 13.431 13.426 13.417

Ps 225-236 11.961 11.836 11.874 11.785 12.014 12.431 12.596 14.607 12.688 13.034 13.334 13.522

Ps 237-245 14.700 14.314 13.492 13.006 12.868 13.362 13.172 12.972 12.973

Pcw = 13.201 L = .0213 Pcb = 12.855 Pto/Pcw = 1.100 Wc = 1.49 T = 65. B = 29.91

Run 6-8 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=~~.610~~ 0.671

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 .999 .997 .994 .994

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.011 -.002 -.009

Pt/Pto 101-130

.954 .921 .983 .970 1.000 1.000 .982 .926 .989 .994
1.000 1.000 .999 .933 .984 1.000 1.000 1.000 .999 .946
.980 1.000 1.000 1.000 .999 .974 .989 1.000 1.000 1.000

Ptc = 14.468 Ptc/Pto = .984 K = .0804

Cp 310-320

-.077 -.035 -.015 -.007 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.058 -.025 -.011 -.005 -.003 -.001 -.000 -.000 -.000

Ps 301-309 11.849 10.760 10.811 11.115 11.829 12.844 12.824 12.792 12.837

Ps 201-206 12.692 12.770 12.858 12.770 12.446 12.467

Ps 207-212 12.154 12.250 12.292 12.199 12.138 12.085

Ps 213-224 10.515 10.300 10.514 10.769 11.160 11.947 12.161 12.274 12.324 12.993 12.968 12.967

Ps 225-236 11.250 10.978 10.644 10.742 11.020 11.608 11.922 14.576 12.027 12.444 12.862 13.123

Ps 237-245 14.694 14.071 12.926 12.308 12.171 12.864 12.639 12.370 12.374

Pcw = 12.667 L = .0285 Pcb = 12.186 Pto/Pcw = 1.142 Wc = 1.71 T = 64. B = 29.91

Run 6-9 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.742

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 .999 .996 ~~.993~~ .993

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 ~~-.000~~ -.002 -.014 -.002 -.012

Pt/Pto 101-130
.933 .899 .971 .967 1.000 1.000 .975 .907 .981 .991
1.000 1.000 .999 .919 .974 .999 .999 .999 .999 .935
.971 .999 .999 .999 .998 .972 .987 .999 1.000 .999

Ptc = 14.395 Ptc/Pto = .979 K = .1024

Cp 310-320
-.088 -.040 -.017 -.009 -.006 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.069 -.030 -.013 -.006 -.004 -.001 -.000 -.000 -.000

Ps 301-309 11.211 13.847 13.871 14.099 10.792 12.305 12.299 12.257 12.301

Ps 201-206 12.091 12.201 12.318 12.212 11.801 11.825

Ps 207-212 11.383 11.504 11.587 11.448 11.384 11.305

Ps 213-224 9.847 n.g. n.g. 9.687 9.960 11.165 11.417 11.552 11.609 12.524 ~~12.498~~ 12.448

Ps 225-236 10.581 10.144 9.596 9.621 9.939 10.668 11.119 ~~14.554~~ 11.295 11.825 12.332 ~~12.661~~

Ps 237-245 14.693 13.901 12.433 11.618 11.429 12.344 12.056 11.701 11.723

Pcw = 12.075 L = .0359 Pcb = 11.435 Ptc/Pcw = 1.192 Wc = 1.89 T = 63. B = 29.91

Run 6-10 C1 I1 S0 B0 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.742

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 .999 .999 .999 .999 .997 .991 .991

Cp 330-344

~~-.001~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 ~~-.000~~ -.002 -.014 -.002 -.011

Pt/Pto 101-130

.937 .901 .972 .955 1.000 1.000 .981 .912 .975 .983
1.000 1.000 1.000 .921 .963 .998 1.000 1.000 1.000 .934
.959 1.000 1.000 1.000 .999 .966 .981 .999 1.000 1.000

Ptc = 14.382 Ptc/Pto = .978 K = .1009

Cp 310-320

-.082 -.036 -.015 -.008 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.071 -.031 -.014 -.007 -.004 -.002 -.001 -.000 -.000

Ps 301-309 11.133 13.822 13.866 14.172 10.941 12.300 12.291 12.264 12.302

Ps 201-206 12.098 12.202 12.317 12.211 11.801 11.822

Ps 207-212 11.375 11.528 11.612 11.487 11.389 11.289

Ps 213-224 9.992 n.g. 9.543 9.731 9.981 11.153 11.419 11.554 11.608 12.514 ~~12.483~~ 12.468

Ps 225-236 10.530 10.153 9.619 9.668 9.991 10.708 11.150 ~~14.535~~ 11.310 11.827 12.322 ~~12.640~~

Ps 237-245 14.699 13.936 12.487 11.660 11.455 12.352 12.061 11.697 11.718

Pcw = 12.075 L = .0359 Pcb = 11.447 Ptc/Pcw = 1.191 Mc = 1.89 T = 63. B = 29.92

BLANK PAGE

Tabulated Data for Configuration C1 S1 I1 B1
(a) q = 0

Run 22-3 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.494~~ 0.518, 0.518

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .996 .999

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.006 -.001 -.005

Pt/Pto 101-130
.982 .956 .982 .986 .999 .997 .999 .962 .984 .989
1.000 1.000 1.000 .967 .979 .994 1.000 1.000 1.000 .972
.974 .999 1.000 1.000 .999 .985 .984 1.000 1.000 1.000

Ptc = 14.550 Ptc/Pto = .990 K = .0450

Cp 310-320
-.043 ~~-.013~~ -.007 -.004 -.002 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.038 -.017 -.008 -.004 -.002 -.001 -.000 -.000 -.000

Ps 301-309 12.907 12.190 12.387 12.652 13.034 13.626 13.590 13.581 13.610

Ps 201-206 13.547 13.593 13.638 13.575 13.370 13.400

Ps 207-212 13.230 13.284 13.317 13.260 13.226 13.194

Ps 213-224 12.289 12.107 12.228 12.389 12.609 13.053 13.183 13.24 13.265 13.684 ~~13.716~~ 13.698

Ps 225-236 12.510 12.446 12.362 12.469 12.653 12.913 13.029 13.077 13.096 13.372 13.604 13.74

Ps 237-245 14.324 14.324 14.323 14.321 14.323 13.734 13.536 13.359 13.351

Pcw = 13.521 L = .0184 Peb = 13.252 Ptc/Pcw = 1.076 Wc = 1.33 T = 72. B = 29.91

Run 22-4 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.610~~ 0.669

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999	.999	1.000	1.000	.993	.998

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.010	-.001	-.008

Pt/Pto 101-130

.947	.920	.908	.978	1.000	.998	.977	.930	.971	.983
1.000	1.000	.999	.944	.966	.989	1.000	1.000	1.000	.962
.973	.998	1.000	1.000	1.000	.990	.994	1.000	1.000	1.000

Ptc = 14.450 Ptc/Pto = .983 K = .0813

Cp 310-320

-.076	~~-.013~~	-.015	-.008	-.005	-.002	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.054	-.023	-.010	-.005	-.003	-.001	-.000	-.000	-.000

Ps 301-309 11.843 14.512 10.953 11.323 11.823 12.783 12.751 12.740 12.795

Ps 201-206 12.654 12.744 12.847 12.722 12.370 12.412

Ps 207-212 12.098 12.151 12.207 12.151 12.115 12.04

Ps 213-224 10.640 10.375 10.552 10.775 11.050 11.904 12.092 12.185 12.217 12.961 ~~13.126~~ 12.929

Ps 225-236 11.438 10.989 10.802 10.665 10.971 11.378 11.728 11.912 12.005 12.374 12.797 13.050

Ps 237-245 14.056 14.056 14.057 14.058 14.056 13.048 12.676 12.370 12.363

Pcw = 12.625 L = .0331 Pcb = 12.128 Ptc/Pcw = 1.145 Wc = 1.71 T = 71. B = 29.91

Run 22-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.677~~ 0.740 , 0.742

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.992	.998

Cp 330-344

-.000	-.000	-.000	-.000	-.001	.000	-.000	-.000	-.000	-.000	-.000	-.002	-.012	-.002	-.010

Pt/Pto 101-130

.947	.905	.958	.976	.997	1.000	.993	.914	.958	.987
1.000	1.000	1.000	.993	.998	.996	.999	.999	.999	.938
.962	.999	.999	.999	.999	.972	.983	.999	.999	.999

Ptc = 14.435 Ptc/Pto = .979 K = .0971

Cp 310-320

-.081	.013	-.016	-.008	-.005	-.002	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.066	-.030	-.013	-.006	-.004	-.001	-.001	-.000	-.000

Ps 301-309 11.473 13.599 14.318 14.734 11.229 12.312 12.308 12.320 12.421

Ps 201-206 12.247 12.346 12.477 12.350 12.308 11.933

Ps 207-212 11.547 11.538 11.742 11.631 11.571 11.479

Ps 213-224 10.232 9.669 9.982 9.990 10.308 11.276 11.533 11.653 11.684 12.618 ~~12.612~~ 12.584

Ps 225-236 10.826 10.367 9.854 9.893 10.247 10.625 11.111 11.340 11.445 11.922 12.423 12.733

Ps 237-245 13.944 13.945 13.946 13.948 13.946 12.725 12.283 11.904 11.901

Pcw = 12.210 L = .0394 Pcb = 11.606 Ptc/Pcw = 1.182 Wc = 1.84 T = 79. B = 29.99

Run 22-5 C1 I1 S1 B1 Eng ∠ α=0° β=0° m/m*= 0.738, 0.744

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.999	1.000	1.000	1.000	.992	.997

Cp 330-344

-.000	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	-.013	-.002	-.010

Pt/Pto 101-130

.926	.895	.961	.981	.997	.999	.974	.896	.979	.994
1.000	1.000	.999	.996	.988	.999	1.000	1.000	.999	.988
.991	1.000	1.000	1.000	.999	.976	.996	1.000	1.000	1.000

Ptc = 14.399 Ptc/Pto = .979 K = .1071

Cp 310-320

-.091	-.012	-.019	-.010	-.006	-.003	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.065	-.028	-.014	-.006	-.003	-.001	-.000	-.000	-.000

Ps 301-309	11.395	13.200	14.051	14.536	11.191	12.154	12.130	12.152	12.279
Ps 201-206	12.058	12.183	12.323	12.188	11.723	11.744			
Ps 207-212	11.343	11.450	11.500	11.406	11.333	11.258			
Ps 213-224	9.799	n.g.	9.565	9.774	10.019	11.165	11.396	11.505	11.542	12.493	12.527	12.425
Ps 225-236	10.716	10.122	9.528	9.578	9.957	10.332	10.887	11.104	11.228	11.740	12.296	12.652
Ps 237-245	13.886	13.887	13.886	13.890	13.886	12.598	12.128	11.726	11.715			

Pcw = 12.036 L = .0417 Pcb = 11.382 Ptc/Pcw = 1.196 Wc = 1.89 T = 72. B = 29.91

Run 22-2 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.721~~ 0.796, 0.806

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 .999 .999 .999 1.000 1.000 1.000 .990 .997

Cp 330-344
-.000 -.000 -.000 -.000 -.001 .000 -.000 -.000 -.000 -.000 -.000 -.002 -.015 -.002 -.012

Pt/Pto 101-130
.940 .879 .948 .971 .999 .999 .997 .894 .956 .979
1.000 1.000 1.000 .912 .944 .931 1.000 1.000 1.000 .938
.939 .999 1.000 1.000 1.000 .973 .972 1.000 1.000 1.000

Ptc = 14.363 Ptc/Pto = .974 K = .1241

Cp 310-320
-.092 -.013 -.017 -.008 -.005 -.002 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.076 -.034 -.015 -.007 -.004 -.002 -.000 -.000 -.000

Ps 301-309 10.817 12.752 13.257 13.519 14.144 11.730 11.750 11.768 11.874

Ps 201-206 11.644 11.764 11.909 11.767 11.221 11.272

Ps 207-212 10.752 10.904 11.061 10.878 14.737 14.637

Ps 213-224 n.g. n.g. n.g. n.g. n.g. 10.407 10.767 10.913 10.959 12.095 ~~12.183~~ 12.093

Ps 225-236 10.207 9.606 n.g. n.g. n.g. 9.629 10.096 10.486 10.685 11.251 11.856 12.199

Ps 237-245 13.738 13.738 13.742 13.744 13.741 12.258 11.701 11.211 11.220

Pcw = 11.596 L = .0479 Pcb = 12.162 Ptc/Pcw = 1.239 Wc = 1.99 T = 79. B = 29.99

Run 39-1 C1 I1 S1 b [illegible] 2 α=0° β=-30° m/m*= ~~.677~~ ~~0.461, 0.423~~ ~~0.745~~

Pt/Pto 131-144

.999	.999	.999	.999	.999	.998	.999	.999	1.000	1.000	1.000	.999	.990	.994

Cp 330-344

~~-.057~~	-.529	-1.087	-1.493	-2.457	-.123	-.633	-.964	-1.209	-1.332	-1.408	-2.967	-9.250	-2.957	-9.070

Pt/Pto 101-130

.950	.890	.935	.982	.999	.999	.993	.889	.944	.993
1.000	1.000	.938	.893	.956	.998	1.000	1.000	.997	.908
967	.999	1.000	.999	.994	.949	.977	.999	1.000	1.000

Ptc = 14.282 Ptc/Pto = .974 K = .1136

Cp 310-320

-31.867	~~-6.630~~	-4.752	-1.842	-1.030	-.416	-.586	-.775	-.907	-.935	-.784

Cp 321-329

-39.095	-15.295	-5.191	-1.313	-.132	.680	.576	.340	.123

Ps 301-309 10.973 13.255 14.146 10.775 11.291 11.997 12.063 12.112 12.269

Ps 201-206 12.127 12.204 12.294 12.222 11.800 11.851

Ps 207-212 11.430 1 .591 11.621 1 .455 11.395 11.332

Ps 213-224 11.072 9.960 9.914 9.969 10.139 11.209 11.446 11.555 11.577 12.442 ~~12.493~~ 12.436

Ps 225-236 10.409 9.757 n.g. 9.543 9.993 10.643 11.027 11.117 11.159 11.702 12.227 12.574

Ps 237-245 13.996 13.996 13.997 13.999 13.995 12.570 12.123 11.723 11.731

Pcw = 12.083 L = .0346 Pcb = 11.471 Ptc/Pcw = 1.182 Wc = 1.84 T = 64. B = 29.79

Run 39--2 C1 I1 S1 B1 Eng 2 α=0° β=30° m/m*= ~~.677~~ 0.743, 0.741

Pt/Pto 131-144

.999 1.000 1.000 1.000 .999 .999 .996 .996 .996 .996 .996 .995 .991 .995

Cp 330-344

~~-1.061~~ -1.347 -1.412 -1.244 -1.169 -.075 -.598 -.935 -1.178 -1.300 -1.421 -2.889 -9.042 -2.085 -5.704

Pt/Pto 101-130

.969 .970 .956 .960 .996 .999 1.000 .998 .970 .968
.999 .999 1.000 .999 .988 .979 .999 .999 .999 1.000
.999 .997 .999 .999 .999 .999 .999 .999 1.000 .999

Ptc = 14.542 Ptc/Pto = .991 K = .0435

Cp 310-320

-25.571 ~~-6.323~~ -2.055 -.047 .365 .421 -.196 -.346 -.542 -.645 -.739

Cp 321-329

-9.050 -1.699 -.040 .477 .393 .131 -.037 -.065 -.056

Ps 301-309 12.243 11.048 11.276 11.689 12.144 12.620 12.619 12.681 12.716

Ps 201-206 12.531 12.595 12.648 12.579 12.253 12.295

Ps 207-212 11.921 11.981 12.019 11.989 11.929 11.851

Ps 213-224 11.549 10.631 10.622 10.719 10.871 11.719 11.931 12.018 12.040 12.898 ~~12.878~~ 12.854

Ps 225-236 12.987 12.070 11.049 10.693 10.587 10.948 11.544 11.633 11.736 12.525 12.858 13.093

Ps 237-245 14.028 14.027 14.030 14.030 14.027 12.959 12.607 12.299 12.257

Pcw = 12.483 L = .0272 Pcb = 11.948 Ptc/Pcw = 1.165 Wc = 1.82 T = 61. B = 29.79

Run 40-1 C1 I1 S1 B1 Eng 2 α=0° β=30° m/m*=.722

Pt/Pto 131-144
.999 1.000 1.000 1.000 .999 .999 .996 .996 .995 .996 .995 .994 .988 .994

Cp 330-344
~~-997~~ -1.338 -1.437 -1.248 -1.221 -.099 -.620 -.997 -1.266 -1.392 -1.527 -3.314 -10.840 -2.353 -6.870

Pt/Pto 101-130
.957 .951 .944 .948 .997 .999 1.000 .992 .956 .957
.999 1.000 1.000 .998 .978 .969 1.000 1.000 1.000 1.000
.997 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.489 Ptc/Pto = .988 K = .0564

Cp 310-320
-32.491 ~~-6.063~~ -2.847 -.440 .233 .440 -.207 -.305 -.521 -.611 -.727

Cp 321-329
-13.057 -2.961 -.076 .395 .395 .153 -.018 -.045 -.054

Ps 301-309 11.446 13.779 14.054 14.591 11.206 11.935 11.957 12.034 12.083

Ps 201-206 11.814 11.906 11.971 11.882 11.454 11.510

Ps 207-212 10.978 11.069 11.124 11.068 10.974 10.871

Ps 213-224 10.642 n.g. n.g. n.g. 9.505 10.715 11.000 11.117 11.150 12.330 ~~12.397~~ 12.262

Ps 225-236 12.391 11.236 9.854 n.g. n.g. 9.615 10.444 10.606 10.766 11.807 12.246 12.559

Ps 237-245 13.824 13.825 13.825 13.828 13.824 12.410 11.950 11.527 11.480

Pcw = 11.756 L = .0357 Pcb = 11.014 Ptc/Pcw = 1.232 Wc = 2.03 T = 58. B = 29.79

Run 40-2 C1 I1 S1 B1 Eng 2 α=0° β=-30° m/m*= [illegible] 0.785, 0.790

Pt/Pto 131-144
.999 .999 .999 .999 .999 .998 .999 .999 1.000 1.000 1.000 .999 .988 .994

Cp 330-344
~~-.065~~ -.598 -1.141 -1.590 -2.037 -.434 -.673 -1.010 -1.253 -1.421 -1.505 -3.235-10.379 -3.245-10.071

Pt/Pto 101-130
.949 .871 .924 .981 .999 1.000 .996 .871 .935 .992
.999 .999 .999 .878 .949 .997 .999 1.000 .998 .899
.9[illegible] .999 .999 .999 .997 .948 .976 .999 1.000 1.0[illegible]

Ptc = .[illegible]35 Ptc/Pto = .970 K = .1330

Cp 310-320
-36.162 ~~-6.955~~ -5.177 -2.169 -1.253 -.886 -.708 -.795 -.935 -.870 -.814

Cp 321-3[illegible]
-42.644 -11.678 -5.614 -1.648 -.499 .617 .570 .327 .103

Ps 301-309 14.565 12.405 13.399 14.1[illegible]5 10.73[illegible] 11.544 11.626 11.687 11.864

Ps 201-206 11.673 11.756 11.862 11.700 11.304 11.357

Ps 207-212 10.829 11.011 11.084 10.873 10.785 10.705

Ps 213-224 10.579 n.g. n.g. n.g. n.g. 10.606 10.686 11.008 11.033 12.068 ~~12.068~~ 12.054

Ps 225-236 9.984 n.g. n.g. n.g. n.g. 9.701 10.[illegible]68 10.481 10.595 11.242 11.822 12.214

Ps 237-245 13.896 13.895 13.899 13.900 13.896 12.205 11.695 11.[illegible]17 11.233

Pcw = 11.[illegible]25 L = .03[illegible] Pcb = 10.[illegible]81 Ptc/Pcw = 1.224 Wc = 1.98 T = 57. B = 29.79

Run 31-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= 0.514

Pt/Pto 131-144
1.000 1.000 .999 .998 .996 .995 .999 1.000 .999 .999 .997 .994 .990 .991

Cp 330-344
-.140 -.297 -.581 -.490 -.348 .432 -.194 -.558 -.735 -.686 -.602 -.600 -1.195 -.488 -.936

Pt/Pto 101-130
.985 .986 .981 .977 1.000 1.000 1.000 1.000 .990 .979
1.000 1.000 1.000 1.000 .999 .984 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.739 Ptc/Pto = .996 K = .0236

Cp 310-320
.513 1.362 .809 .572 .416 .117 -.082 -.089 -.112 -.100 -.077

Cp 321-329
.553 .987 .780 .549 .427 .187 .012 -.023 -.098

Ps 301-309 13.421 12.991 13.221 13.455 13.624 13.776 13.817 13.839 13.860

Ps 201-206 13.777 13.811 13.835 13.802 13.647 13.657

Ps 207-212 13.498 13.521 13.541 13.531 13.505 13.466

Ps 213-224 14.043 13.181 13.016 12.961 13.046 13.371 13.482 13.521 13.531 13.945 13.858 13.928

Ps 225-236 14.124 13.431 12.843 12.697 12.713 12.836 13.248 13.288 13.342 13.747 13.932 14.044

Ps 237-245 14.436 14.438 14.436 14.437 14.436 13.991 13.802 13.649 13.630

Pcw = 13.755 L = .0128 Pcb = 13.511 Ptc/Pcw = 1.072 Wc = 1.31 T = 70. B = 29.91

Run 31-2 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= 0.516

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .999 .998 1.000 1.000 1.000 1.000 1.000 .998 .991 .992

Cp 330-344
.998 -.023 -.257 -.290 -.248 .686 .302 -.002 -.227 -.290 -.281 -.421 -1.140 -.318 -.857

Pt/Pto 101-130
.982 .987 .982 .980 1.000 1.000 1.000 1.000 .993 .985
1.000 1.000 1.000 1.000 .999 .992 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.750 Ptc/Pto = .996 K = .0202

Cp 310-320
-.693 1.345 .950 .894 .779 .506 .169 .119 .047 .009 -.019

Cp 321-329
.663 .732 .366 .129 .014 -.183 -.297 -.260 -.248

Ps 301-309 13.699 13.101 13.438 13.651 13.764 13.799 13.828 13.854 13.874

Ps 201-206 13.795 13.827 13.855 13.819 13.664 13.675

Ps 207-212 13.517 13.542 13.561 13.553 13.525 13.486

Ps 213-224 13.500 12.758 12.715 12.794 12.911 13.375 13.466 13.520 13.540 13.960 13.934 13.943

Ps 225-236 14.337 13.706 13.080 12.886 12.843 12.975 13.314 13.344 13.382 13.767 13.960 14.085

Ps 237-245 14.453 14.452 14.452 14.453 14.451 14.006 13.819 13.669 13.651

Pcw = 13.772 L = .0129 Pcb = 13.531 Ptc/Pcw = 1.071 Wc = 1.31 T = 70. B = 29.91

Run 31-3 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*= 0.516

Pt/Pto 131-144

.999	.998	.997	.996	.995	.994	.999	.999	.997	.996	.995	.993	.989	.990

Cp 330-344

.060	-.504	-.728	-.550	-.388	.266	-.479	-.802	-.890	-.740	-.603	-.532	-1.130	-.455	-.895

Pt/Pto 101-130

.986	.969	.981	.979	1.000	1.000	1.000	.978	.986	.979
1.000	1.000	1.000	.985	.990	.982	1.000	1.000	1.000	.993
.996	.991	1.000	1.000	1.000	.999	1.000	1.000	1.000	1.000

Ptc = 14.702 Ptc/Pto = .993 K = .0310

Cp 310-320

.801	1.300	.547	.317	.187	-.046	-.109	-.083	-.081	.046	-.051

Cp 321-329

-.303	.791	.899	.758	.643	.358	.044	-.102	-.238

Ps 301-309 13.147 12.781 12.891 13.149 13.419 13.739 13.764 13.777 13.803

Ps 201-206 13.726 13.769 13.794 13.758 13.593 13.602

Ps 207-212 13.435 13.463 13.486 13.472 13.447 13.405

Ps 213-224 14.316 13.448 13.214 13.067 13.099 13.293 13.468 13.496 13.497 13.886 13.909 13.880

Ps 225-236 13.726 13.069 12.650 12.638 12.749 12.938 13.119 13.198 13.264 13.629 13.823 13.946

Ps 237-245 14.428 14.428 14.428 14.428 14.427 13.943 13.741 13.578 13.574

Pcw = 13.707 L = .0136 Pcb = 13.451 Ptc/Pcw = 1.073 Mc = 1.32 T = 70. B = 29.91

Run 31-4 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*= ~~.974~~ 0.514

Pt/Pto 131-144

.999	.999	.999	.998	.996	.994	.999	1.000	1.000	.999	.997	.995	.989	.991

Cp 330-344

~~.302~~	-.150	-.510	-.498	-.420	.357	-.235	-.577	-.749	-.696	-.618	-.643	-1.264	-.535 -1.059

Pt/Pto 101-130

.984	.963	.987	.987	1.000	1.000	1.000	.970	.991	.984
1.000	1.000	1.000	.976	.990	.983	1.000	1.000	1.000	.986
.993	.991	1.000	1.000	1.000	.998	.999	1.000	1.000	1.000

Ptc = 14.695 Ptc/Pto = .993 K = .0373

Cp 310-320

.195	1.257	.663	.468	.327	.048	-.168	-.189	-.196	-.180	-.164

Cp 321-329

-.595	.741	.975	.851	.740	.477	.203	.092	-.030

Ps 301-309 12.989 12.672 13.092 13.349 13.525 13.689 13.731 13.739 13.777

Ps 201-206 13.712 13.756 13.773 13.739 13.574 13.581

Ps 207-212 13.416 13.445 13.468 13.452 13.422 13.385

Ps 213-224 13.936 13.026 12.859 12.803 12.897 13.292 13.375 13.423 13.439 13.864 13.876 13.859

Ps 225-236 13.539 12.837 12.426 12.460 12.604 12.857 13.012 13.109 13.192 13.589 13.791 13.920

Ps 237-245 14.426 14.426 14.426 14.426 14.426 13.846 13.725 13.553 13.550

Pcw = 13.689 L = .0135 Pcb = 13.431 Ptc/Pcw = 1.073 Wc = 1.32 T = 70. B = 29.91

Run 31-5 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m*= 0.514

Pt/Pto 131-144
1.000 1.000 1.000 .999 .996 .995 .999 .999 .999 .998 .996 .993 .989 .991

Cp 330-344
-.165 -.563 -.762 -.610 -.438 .378 -.213 -.572 -.753 -.702 -.626 -.642 -1.279 -.538 -.950

Pt/Pto 101-130
.986 .992 .991 .973 .998 1.000 1.000 1.000 1.000 .979
1.000 1.000 1.000 1.000 1.000 .987 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.754 Ptc/Pto = .997 K = .0270

Cp 310-320
.588 1.273 .764 .533 .364 .065 -.127 -.137 -.188 -.181 -.162

Cp 321-329
.940 .744 .294 .070 -.007 -.146 -.188 -.155 -.181

Ps 301-309 13.615 13.210 13.514 13.692 13.775 13.800 13.832 13.861 13.879

Ps 201-206 13.794 13.825 13.861 13.819 13.670 13.678

Ps 207-212 13.520 13.545 13.563 13.554 13.531 13.489

Ps 213-224 14.103 13.295 13.140 13.089 13.163 13.416 13.556 13.583 13.584 13.963 13.940 13.940

Ps 225-236 14.534 13.980 13.364 13.141 13.035 13.173 13.385 13.418 13.439 13.777 13.969 14.111

Ps 237-245 14.429 14.427 14.429 14.428 14.429 13.999 13.821 13.675 13.664

Pcw = 13.774 L = .0130 Pcb = 13.533 Ptc/Pcw = 1.071 Wc = 1.31 T = 70. B = 29.91

Run 31-6 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*= ~~.474~~ 0.515

Pt/Pto 131-144

1.000	1.000	1.000	.999	.998	.996	1.000	1.000	1.000	1.000	.998	.996	.991	.992

Cp 330-344

~~-.132~~	-.155	-.431	-.396	-.301	.556	.039	-.297	-.512	-.514	-.466	-.540	-1.175	-.426	-.913

Pt/Pto 101-130

.984	.986	.982	.977	1.000	1.000	1.000	1.000	.993	.980
1.000	1.000	1.000	1.000	.999	.987	1.000	1.000	1.000	1.000
1.000	.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.744 Ptc/Pto = .996 K = .0225

Cp 310-320

.059	~~1.254~~	.901	.744	.598	.294	.023	-.005	-.056	-.067	-.070

Cp 321-329

.686	.891	.578	.343	.227	.014	-.109	-.111	-.130

Ps 301-309 13.537 13.082 13.345 13.558 13.697 13.788 13.824 13.848 13.869

Ps 201-206 13.787 13.819 13.845 13.811 13.655 13.667

Ps 207-212 13.508 13.533 13.552 13.543 13.516 13.477

Ps 213-224 13.811 12.987 12.876 12.884 12.990 13.384 13.477 13.523 13.538 13.954 ~~13.962~~ 13.936

Ps 225-236 14.260 13.597 12.975 12.801 12.781 ~~12.917~~ 13.291 13.317 13.362 13.757 13.951 14.075

Ps 237-245 14.445 14.446 14.445 14.446 14.446 13.998 13.813 13.662 13.650

Pcw = 13.764 L = .0128 Pcb = 13.521 Ptc/Pcw = 1.071 Wc = 1.31 T = 70. B = 29.91

Run 31-7 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= 0.516

Pt/Pto 131-144
.999 .999 .998 .996 .995 .994 .999 .999 .997 .996 .995 .993 .989 .991

Cp 330-344
.118 -.415 -.686 -.540 -.371 .331 -.371 -.725 -.862 -.758 -.637 -.577 -1.136 -.482 -.895

Pt/Pto 101-130
.986 .981 .982 .976 1.000 1.000 1.000 .995 .988 .978
1.000 1.000 1.000 .999 .996 .981 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.729 Ptc/Pto = .995 K = .0241

Cp 310-320
.744 ~~-1.215~~ .646 .410 .262 -.007 -.125 -.118 -.125 -.086 -.056

Cp 321-329
.264 .940 .872 .681 .559 .297 .060 -.032 -.139

Ps 301-309 13.267 12.900 13.132 13.378 13.566 13.774 13.815 13.834 13.853

Ps 201-206 13.775 13.810 13.833 13.799 13.645 13.654

Ps 207-212 13.494 13.518 13.538 13.530 13.503 13.464

Ps 213-224 14.231 13.367 13.165 13.055 13.112 13.357 13.501 13.534 13.540 13.939 13.962 13.925

Ps 225-236 13.972 13.300 12.754 12.655 12.728 12.852 13.195 13.275 13.343 13.727 13.907 14.023

Ps 237-245 14.440 14.441 14.440 14.440 14.440 13.984 13.797 13.643 13.635

Pcv = 13.753 L = .0127 Pcb = 13.508 Ptc/Pcv = 1.071 Wc = 1.31 T = 70. B = 29.91

Run 32-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*=~~.670~~ 0.667

Pt/Pto 131-144

1.000	.999	1.000	.998	.996	.994	.999	1.000	.999	.999	.997	.994	.986	.989

Cp 330-344

~~-.124~~	-.324	-.629	-.561	-.472	.422	-.221	-.603	-.810	-.772	-.718	-.901	-2.081	-.737	-1.638

Pt/Pto 101-130

.973	.963	.973	.966	.999	1.000	1.000	.991	.977	.965
1.000	1.000	1.000	.998	.989	.965	1.000	1.000	1.000	1.000
.999	.978	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.657 Ptc/Pto = .991 K = .0373

Cp 310-320

-1.061	~~-2.698~~	.912	.788	.641	.303	-.012	-.052	-.080	-.092	-.077

Cp 321-329

-.704	.774	.922	.751	.608	.333	.094	.026	-.063

Ps 301-309 12.183 11.177 11.863 12.335 12.658 12.914 12.986 13.018 13.051

Ps 201-206 12.889 12.951 13.000 12.946 12.668 12.673

Ps 207-212 12.365 12.416 12.453 12.431 12.375 12.305

Ps 213-224 13.036 11.657 11.426 11.354 11.487 12.217 12.349 12.425 12.447 13.209 ~~13.361~~ 13.178

Ps 225-236 13.256 ~~12.171~~ 11.177 10.921 10.987 ~~11.049~~ 11.870 12.026 12.144 12.833 13.147 13.354

Ps 237-245 14.154 14.150 14.156 14.157 14.154 13.283 12.948 12.670 12.637

Pcw = 12.855 L = .0227 Pcb = 12.391 Ptc/Pcw = 1.140 Wc = 1.69 T = 87. B = 29.88

Run 32-2 C1 I1 S1 B1 Eng 2 α=-4° β=0° m/m*=~~.610~~ 0.668

Pt/Pto 131-144
1.000 .999 1.000 .999 .997 .994 .999 1.000 .999 .999 .997 .994 .986 .990

Cp 330-344
~~.122~~ -.270 -.570 -.538 -.453 .462 -.134 -.509 -.727 -.716 -.673 -.882 -2.086 -.716 -1.636

Pt/Pto 101-130
.973 .966 .974 .966 1.000 1.000 1.000 .995 .978 .967
1.000 1.000 1.000 .999 .989 .968 1.000 1.000 1.000 1.000
.999 .983 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.666 Ptc/Pto = .992 K = .0347

Cp 310-320
-1.349 ~~-1.598~~ .942 .833 .697 .361 .019 -.021 -.063 -.087 -.075

Cp 321-329
-.526 .803 .912 .688 .544 .275 .054 .002 -.070

Ps 301-309 12.312 11.250 11.906 12.367 12.677 12.929 12.996 13.029 13.064

Ps 201-206 12.900 12.962 13.010 12.957 12.683 12.684

Ps 207-212 12.380 12.432 12.468 12.445 12.390 12.322

Ps 213-224 12.911 11.557 11.355 11.316 11.459 12.219 12.351 12.431 12.457 13.220 ~~13.668~~ 13.189

Ps 225-236 13.338 ~~12.851~~ 11.236 10.962 11.005 ~~11.234~~ 11.907 12.037 12.156 12.858 13.163 13.367

Ps 237-245 14.159 14.159 14.160 14.162 14.159 13.294 12.961 12.684 12.651

Pcw = 12.866 L = .0223 Pcb = 12.406 Ptc/Pcw = 1.140 Wc = 1.69 T = 85. B = 29.88

Run 32-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=~~.620~~ 0.666

Pt/Pto 131-144
.999 .999 1.000 .999 .998 .995 .999 1.000 1.000 1.000 .998 .995 .987 .990

Cp 330-344
~~.110~~ -.183 -.475 -.459 -.412 .538 .016 -.349 -.576 -.604 -.576 -.836 -2.053 -.665 -1.603

Pt/Pto 101-130
.973 .969 .972 .967 .999 1.000 1.000 .999 .976 .969
1.000 1.000 1.000 1.000 .990 .972 1.000 1.000 1.000 1.000
1.000 .988 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.673 Ptc/Pto = .992 K = .0335

Cp 310-320
-1.890 ~~-2.473~~ .930 .896 .779 .461 .084 .033 -.023 -.051 -.068

Cp 321-329
-.346 .791 .801 .576 .433 .164 -.023 -.061 -.094

Ps 301-309 12.485 11.337 11.968 12.420 12.713 12.941 13.000 13.035 13.071

Ps 201-206 12.91. 12.970 13.021 12.968 12.695 12.697

Ps 207-212 12.396 12.447 12.481 12.459 12.402 12.334

Ps 213-224 12.708 11.405 1..248 1..260 1..420 12.217 12.353 12.438 12.467 13.232 ~~13.268~~ 13.197

Ps 225-236 13.448 ~~12.380~~ 11.333 11.031 11.037 ~~11.258~~ 11.958 12.062 12.171 12.887 13.187 13.386

Ps 237-245 14.167 14.167 14.170 14.171 14.168 13.302 12.974 12.698 12.666

Pcw = 12.877 L = .0223 Pcb = 12.420 Ptc/Pcw = 1.139 Wc = 1.69 T = 82. B = 29.88

Run 32-4 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= ~~.610~~ 0.665

Pt/Pto 131-144
1.000 .999 1.000 1.000 .999 .998 .999 1.000 1.000 1.000 1.000 .997 .988 .990

Cp 330-344
~~.087~~ -.040 -.288 -.332 -.330 .676 .279 -.035 -.276 -.365 -.377 -.686 -1.947 -.531 -1.496

Pt/Pto 101-130
.971 .973 .972 .967 .999 1.000 1.000 1.000 .976 .974
1.000 1.000 1.000 1.000 .992 .984 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.689 Ptc/Pto = .993 K = .0329

Cp 310-320
-2.998 ~~-2.374~~ .871 .964 .894 .634 .223 .159 .077 .026 -.014

Cp 321-329
-.188 .702 .613 .356 .213 -.040 -.218 -.213 -.208

Ps 301-309 12.796 11.466 12.051 12.511 12.816 12.930 13.030 13.069 13.110

Ps 201-206 12.945 13.004 13.053 13.001 12.733 12.734

Ps 207-212 12.438 12.488 12.522 12.501 12.447 12.380

Ps 213-224 12.319 11.146 11.083 11.191 11.361 12.216 12.376 12.470 12.505 13.262 ~~13.281~~ 13.226

Ps 225-236 13.591 ~~12.551~~ 11.510 11.182 11.145 ~~11.344~~ 12.047 12.127 12.224 12.934 13.234 13.428

Ps 237-245 14.188 14.188 14.188 14.190 14.187 13.326 13.009 12.738 12.704

Pcw = 12.912 L = .0218 Pcb = 12.463 Ptc/Pcw = 1.138 Wc = 1.69 T = 80. B = 29.88

Run 32-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*=~~.630~~ 0.666

Pt/Pto 131-144
1.000 .999 .999 .998 .995 .994 .999 .999 .999 .998 .996 .993 .986 .989

Cp 330-344
~~-.113~~ -.379 -.682 -.593 -.494 .381 -.306 -.692 -.875 -.835 -.746 -.910 -2.077 -.748 -1.642

Pt/Pto 101-130
.974 .961 .973 .967 1.000 1.000 1.000 .987 .977 .965
1.000 1.000 1.000 .996 .987 .963 1.000 1.000 1.000 1.000
.993 .975 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.649 Ptc/Pto = .991 K = .0398

Cp 310-320
-.785 ~~-.307~~ .905 .739 .586 .256 -.038 -.068 -.092 -.094 -.071

Cp 321-329
-.925 .736 .964 .802 .666 .383 .122 .028 -.075

Ps 301-309 12.048 11.097 11.817 12.302 12.645 12.915 12.991 13.020 13.055

Ps 201-206 12.890 12.955 13.006 12.949 12.677 12.677

Ps 207-212 12.374 12.424 12.459 12.439 12.382 12.313

Ps 213-224 13.152 11.764 11.507 11.406 11.524 12.224 12.358 12.432 12.453 13.209 ~~13.245~~ 13.178

Ps 225-236 13.163 ~~10.680~~ 11.115 10.890 10.979 ~~11.279~~ 11.848 12.010 12.142 12.823 13.141 13.350

Ps 237-245 14.158 14.158 14.159 14.161 14.158 13.283 12.949 12.669 12.640

Pcw = 12.859 L = .0224 Pcb = 12.398 Ptc/Pcw = 1.139 Wc = 1.69 T = 79. B = 29.88

Run 32-6 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.620~~ 0.665

Pt/Pto 131-144

.999	.999	.998	.997	.995	.993	.999	.999	.998	.996	.995	.992	.985	.988

Cp 330-344

~~-.096~~	-.445	-.740	-.623	-.517	.314	-.405	-.777	-.939	-.859	-.758	-.899	-2.039	-.749	-1.655

Pt/Pto 101-130

.974	.956	.973	.967	1.000	1.000	1.000	.980	.976	.965
1.000	1.000	1.000	.993	.984	.961	1.000	1.000	1.000	.999
.997	.971	1.000	1.000	.999	1.000	1.000	.998	1.000	1.000

Ptc = 14.644 Ptc/Pto = .990 K = .0439

Cp 310-320

-.554	~~-1.899~~	.851	.674	.520	.192	-.056	-.077	-.094	-.075	-.054

Cp 321-329

-1.365	.574	.930	.854	.726	.440	.138	.019	-.115

Ps 301-309 11.862 10.962 11.755 12.245 12.596 12.884 12.969 12.996 13.029

Ps 201-206 12.870 12.939 12.986 12.934 12.654 12.656

Ps 207-212 12.345 12.399 12.436 12.415 12.356 12.286

Ps 213-224 13.295 11.879 11.590 11.444 11.548 12.215 12.351 12.420 12.437 13.196 ~~13.310~~ 13.164

Ps 225-236 13.002 ~~11.920~~ 11.003 10.812 10.933 ~~11.264~~ 11.800 11.972 12.114 12.787 13.114 13.332

Ps 237-245 14.173 14.174 14.174 14.176 14.173 13.264 12.932 12.646 12.618

Pcw = 12.840 L = .0227 Pcb = 12.373 Ptc/Pcw = 1.140 Wc = 1.71 T = 73. B = 29.90

Run 32-7 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*= ~~.610~~ 0.668

Pt/Pto 131-144

.999 .998 .998 .996 .994 .993 .999 .999 .998 .997 .995 .993 .985 .989

Cp 330-344

~~.030~~ -.537 -.788 -.634 -.551 .244 -.516 -.857 -.969 -.834 -.716 -.829 -1.993 -.709 -1.605

Pt/Pto 101-130

.975 .944 .976 .973 1.000 1.000 1.000 .961 .978 .971
1.000 1.000 1.000 .975 .978 .967 1.000 1.000 1.000 .990
.990 .974 1.000 1.000 1.000 .999 .999 .998 1.000 1.000

Ptc = 14.623 Ptc/Pto = .988 K = .0565

Cp 310-320

-.206 ~~-1.866~~ .786 .588 .437 .139 -.044 -.044 -.063 -.039 -.058

Cp 321-329

-2.150 .275 .864 .857 .762 .476 .109 -.060 -.214

Ps 301-309 11.775 10.846 11.498 12.076 12.495 12.872 12.917 12.936 12.983

Ps 201-206 12.826 12.906 12.956 12.897 12.611 12.612

Ps 207-212 12.294 12.350 12.395 12.367 12.306 12.234

Ps 213-224 13.472 12.056 11.723 11.521 11.596 12.207 12.343 12.406 12.414 13.142 ~~13.197~~ 13.19

Ps 225-236 12.702 ~~11.681~~ 10.895 10.822 11.040 ~~11.415~~ 11.770 11.942 12.067 12.685 13.024 13.239

Ps 237-245 14.163 14.164 14.164 14.165 14.162 13.225 12.878 12.583 12.562

Pcw = 12.801 L = .0236 Pcb = 12.324 Ptc/Pcw = 1.142 Wc = 1.71 T = 72. B = 29.90

Run 32-8 C1 I1 S1 B1 Eng 2 α=0° β=-4° m/m*=~~.610~~ 0.667

Pt/Pto 131-144

.999	.999	.999	.999	.996	.994	.999	1.000	.999	.999	.997	.994	.986	.989

Cp 330-344

~~.197~~	-.253	-.592	-.557	-.489	.398	-.241	-.613	-.817	-.782	-.723	-.913	-2.074	-.756	-1.685

Pt/Pto 101-130

.973	.950	.978	.971	1.000	1.000	1.000	.971	.981	.968
1.000	1.000	1.000	.988	.984	.968	1.000	1.000	1.000	.998
.996	.982	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.652 Ptc/Pto = .990 K = .0503

Cp 310-320

-1.177	~~-1.801~~	.851	.740	.537	.274	-.044	-.077	-.105	-.112	-.098

Cp 321-329

-1.365	.574	.950	.847	.721	.433	.169	.066	-.044

Ps 301-309 12.100 11.122 11.833 12.290 12.611 12.886 12.962 12.985 13.031

Ps 201-206 12.875 12.946 12.987 12.936 12.659 12.661

Ps 207-212 12.353 12.404 12.442 12.416 12.359 12.291

Ps 213-224 13.016 11.620 11.384 11.308 11.441 12.191 12.322 12.406 12.430 13.197 ~~13.298~~ 13.162

Ps 225-236 12.980 ~~11.885~~ 10.952 10.770 10.915 ~~11.269~~ 11.785 11.971 12.117 12.786 13.114 13.326

Ps 237-245 14.190 14.190 14.191 14.191 14.189 13.267 12.937 12.650 12.621

Pcw = 12.844 L = .0224 Pcb = 12.377 Ptc/Pcw = 1.141 Wc = 1.71 T = 72. B = 29.90

Run 32-9 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*= [illegible]

Pt/Pto 131-144

.999	.999	.999	.999	.996	.994	.999	1.000	.999	.999	.997	.994	.986	.989

Cp 330-344

~~.082~~	-.186	-.571	-.585	-.568	.338	-.275	-.636	-.822	-.799	-.738	-.950	-2.147	-.801	-1.831

Pt/Pto 101-130

.972	.933	.978	.982	.999	1.000	1.000	.946	.983	.976
1.000	1.000	1.000	.960	.982	.972	1.000	1.000	1.000	.980
.989	.985	1.000	1.000	1.000	.997	.993	.999	1.000	1.0

Ptc = 14.615 Ptc/Pto = .988 K = .0681

Cp 310-320

-1.526	~~-1.742~~	.639	.615	.496	.101	-.119	-.158	-.182	-.175	-.172

Cp 321-329

-2.618	.177	.896	.941	.852	.589	.270	.133	-.009

Ps 301-309	11.853	10.854	11.647	12.101	12.430	12.795	12.873	12.884	12.957
Ps 201-206	12.811	12.886	12.927	12.878	12.590	12.589			
Ps 207-212	12.270	12.326	12.375	12.332	12.275	12.208			
Ps 213-224	12.912	11.478	11.239	11.160	11.300	12.098	12.229	12.317	12.344	13.120	~~13.250~~	13.095
Ps 225-236	12.467	~~11.506~~	10.572	10.535	10.820	~~11.255~~	11.644	11.344	11.987	12.655	12.998	13.226
Ps 237-245	14.177	14.178	14.178	14.179	14.176	13.212	12.859	12.557	12.536			

Pcw = 12.780 L = .0232 Pcb = 12.298 Ptc/Pcw = 1.144 Wc = 1.72 T = 72. B = 29.90

Run 32-10 C1 -1 S1 31 Eng 2 α=0° β=4° m/m*=~~.610~~ 0.666

Pt/Pto 131-144
1.000 .999 1.000 .998 .996 .994 .999 .999 .999 .999 .996 .993 .986 .990

Cp 330-344
~~.665~~ -.421 -.693 -.595 -.485 .403 -.227 -.611 -.819 -.782 -.726 -.904 -2.060 -.737 -1.580

Pt/Pto 101-130
.975 .977 .965 .960 .999 1.000 1.000 1.000 .984 .963
1.000 1.000 1.000 1.000 .998 .968 1.000 1.000 1.000 1.000
1.000 .985 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.684 Ptc/Pto = .992 K = .0398

Cp 310-320
-.871 ~~-1.731~~ .930 .793 .634 .288 -.023 -.054 -.103 -.110 -.101

Cp 321-329
-.119 .861 .831 .609 .463 .199 .007 -.033 -.096

Ps 301-309 12.438 11.525 11.956 12.349 12.685 13.000 13.055 13.102 13.131

Ps 201-206 12.967 13.026 13.085 13.021 12.757 12.761

Ps 207-212 12.469 12.517 12.548 12.530 12.477 12.410

Ps 213-224 13.126 11.801 11.577 11.514 11.645 12.335 12.462 12.532 12.552 13.286 ~~13.267~~ 13.251

Ps 225-236 13.560 ~~12.504~~ 11.482 11.176 11.147 ~~11.385~~ 12.088 12.146 12.235 12.951 13.278 13.476

Ps 237-245 14.196 14.195 14.196 14.197 14.195 13.344 13.033 12.766 12.734

Pcw = 12.936 L = .0423 Pcb = 12.492 Ptc/Pcw = 1.135 Wc = 1.69 T = 71. B = 29.90

Run 32-11 C1 I1 S. B1 Eng 2 α=0° β=10° m/m*=~~.620~~ 0.667

Pt/Pto 131-144
.999 .999 1.000 .999 .996 .994 .998 .999 .998 .998 .996 .992 .986 .989

Cp 330-344
~~-.186~~ -.599 -.809 -.671 -.541 .355 -.249 -.627 -.825 -.799 -.741 -.936 -2.133 -.764 -1.571

Pt/Pto 101-130
.976 .982 .973 .953 .998 .999 1.000 1.000 .999 .962
.999 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.701 Ptc/Pto = .993 K = .0476

Cp 310-320
-.825 ~~-1.669~~ .923 .769 .602 .249 -.067 -.098 -.165 -.172 -.174

Cp 321-329
.422 .894 .628 .369 .235 .009 -.114 -.112 -.146

Ps 301-309 12.790 11.927 12.167 12.546 12.826 13.018 13.060 13.113 13.143

Ps 201-206 12.977 13.034 13.110 13.029 12.768 12.775

Ps 207-212 12.481 12.530 12.561 12.542 12.493 12.423

Ps 213-224 13.168 11.890 11.677 11.623 11.747 12.399 12.519 12.581 12.591 13.297 ~~13.312~~ 13.262

Ps 225-236 13.913 ~~12.921~~ 11.889 11.528 11.398 ~~11.639~~ 12.216 12.241 12.302 12.963 13.309 13.546

Ps 237-245 14.195 14.195 14.195 14.196 14.195 13.346 13.046 12.783 12.750

Pcv = 12.949 L = .0232 Pcb = 12.505 Ptc/Pcv = 1.135 Wc = 1.69 T = 71. B = 29.90

Run 32-12 C1 I1 S. B1 Eng 2 α=4° β=10° m/m*=~~.610~~ 0.668

Pt/Pto 131-144

1.000	.999	.999	.998	.996	.994	.998	.999	.998	.997	.995	.992	.986	.989

Cp 330-344

~~-.146~~	-.604	-.811	-.653	-.502	.314	-.332	-.704	-.892	-.836	-.764	-.936	-2.112	-.750	-1.529

Pt/Pto 101-130

.976	.981	.973	.952	.998	.999	1.000	1.000	.999	.961
1.000	1.000	1.000	1.000	1.000	.972	1.000	1.000	1.000	1.000
1.000	.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.698 Ptc/Pto = .993 K = .0485

Cp 310-320

-.579	~~-1.640~~	.894	.741	.572	.216	-.063	-.088	-.139	-.137	-.128

Cp 321-329

.255	.913	.697	.472	.335	.102	-.033	-.056	-.112

Ps 301-309 12.733 12.970 12.080 12.417 12.725 13.013 13.052 13.110 13.138

Ps 201-206 12.974 13.032 13.109 13.026 12.765 12.772

Ps 207-212 12.478 12.526 12.557 12.538 12.490 12.419

Ps 213-224 13.281 11.983 11.744 11.657 11.770 12.394 12.519 12.578 12.585 13.295 ~~13.321~~ 13.260

Ps 225-236 13.837 ~~12.832~~ 11.806 11.458 11.347 ~~11.593~~ 12.192 12.222 12.288 12.959 13.306 13.541

Ps 237-245 14.194 14.194 14.195 14.196 14.194 13.343 13.042 12.780 12.746

Pcw = 12.946 L = .0233 Pcb = 12.501 Ptc/Pcw = 1.135 Wc = 1.69 T = 71. B = 29.90

Run 32-13 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m*= ~~.620~~ 0.669, 0.666

Pt/Pto 131-144
1.000 .999 .999 .998 .996 .994 .999 .999 .999 .998 .996 .993 .986 .989

Cp 330-344
~~.023~~ -.462 -.732 -.605 -.507 .359 -.307 -.699 -.889 -.831 -.756 -.910 -2.056 -.744 -1.565

Pt/Pto 101-130
.976 .975 .968 .960 .999 1.000 1.000 .999 .979 .963
1.000 1.000 1.000 1.000 .995 .964 1.000 1.000 1.000 1.000
1.000 .978 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.674 Ptc/Pto = .992 K = .0398

Cp 310-320
-.625 ~~1.567~~ .912 .753 .589 .244 -.038 -.061 -.099 -.099 -.077

Cp 321-329
-.288 .843 .873 .678 .540 .268 .049 -.005 -.099

Ps 301-309 12.258 12.381 12.941 12.387 12.717 12.994 13.059 13.100 13.129

Ps 201-206 12.970 13.031 13.085 13.025 12.759 12.767

Ps 207-212 12.474 12.520 12.552 12.535 12.483 12.415

Ps 213-224 13.250 11.909 11.662 11.569 11.686 12.345 12.472 12.542 12.559 13.286 ~~13.306~~ 13.252

Ps 225-236 13.491 ~~12.432~~ 11.448 11.164 11.156 ~~11.379~~ 12.063 12.147 12.249 12.949 13.249 13.446

Ps 237-245 14.197 14.197 14.197 14.197 14.196 13.346 13.036 12.767 12.736

Pcv = 12.939 L = .0222 Pcb = 12.497 Ptc/Pcv = 1.134 Wc = 1.68 T = 71. B = 29.90

Run 32-14 C1 I1 S1 B1 Eng 2 α=4° β=-4° m/m*=~~.6610~~ 0.666

Pt/Pto 131-144

.999	.999	.999	.998	.995	.993	.999	1.000	.999	.998	.996	.993	.986	.989

Cp 330-344

~~-.179~~	-.319	-.657	-.603	-.524	.356	-.324	-.694	-.880	-.824	-.748	-.911	-2.040	-.762	-1.677

Pt/Pto 101-130

.974	.949	.978	.973	1.000	1.000	1.000	.968	.980	.969
1.000	1.000	1.000	.985	.983	.964	1.000	1.000	1.000	.997
.995	.976	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.644 Ptc/Pto = .990 K = .0515

Cp 310-320

-.876	~~-1.536~~	.827	.685	.529	.212	-.077	-.105	-.128	-.119	-.100

Cp 321-329

-1.555	.532	.955	.876	.755	.473	.175	.054	-.072

Ps 301-309 11.952 11.032 11.822 12.299 12.619 12.897 12.980 12.998 13.042

Ps 201-206 12.890 12.959 12.998 12.944 12.670 12.676

Ps 207-212 12.369 12.421 12.460 12.436 12.376 12.308

Ps 213-224 13.156 11.750 11.490 11.384 11.504 12.218 12.348 12.426 12.448 13.204 ~~13.255~~ 13.173

Ps 225-236 12 902 ~~11.822~~ 10.927 10.780 10.945 ~~11.336~~ 11.786 11.979 12.125 12.787 13.114 13.325

Ps 237-245 14.197 14.197 14.198 14.198 14.197 13.275 12.947 12.661 12.635

Pcw = 12.856 L = .0224 Pcb = 12.395 Ptc/Pcw = 1.139 Wc = 1.70 T = 71. B = 29.90

Run 32-15 C1 I1 S1 B1 Eng 2 α=4° β=-10° m/m*= ~~.610~~ 0.665

Pt/Pto 131-144

.999 .999 .999 .998 .996 .994 .999 1.000 .999 .999 .996 .994 .986 .989

Cp 330-344

~~-.639~~ -.276 -.654 -.649 -.619 .297 -.352 -.707 -.881 -.837 -.756 -.941 -2.093 -.811 -1.808

Pt/Pto 101-130

.973 .933 .978 .984 1.000 1.000 1.000 .947 .982 .976
1.000 1.000 1.000 .960 .981 .969 1.000 1.000 1.000 .978
.987 .981 1.000 1.000 1.000 .996 .998 .999 1.000 1.000

Ptc = 14.612 Ptc/Pto = .987 K = .0674

Cp 310-320

-1.195 ~~-1.518~~ .666 .559 .419 .123 -.165 -.206 -.239 -.195 -.195

Cp 321-329

-2.792 .078 .891 .939 .853 .589 .253 .093 -.058

Ps 301-309 11.720 10.806 11.666 12.144 12.473 12.831 12.906 12.917 12.984

Ps 201-206 12.842 12.917 12.955 12.903 12.618 12.623

Ps 207-212 12.308 12.365 12.415 12.370 12.313 12.250

Ps 213-224 13.067 11.639 11.375 11.268 11.396 12.152 12.277 12.359 12.386 13.143 ~~13.184~~ 13.120

Ps 225-236 12.395 ~~11.339~~ 10.579 10.566 10.852 11.315 11.694 11.892 12.029 12.676 13.016 13.240

Ps 237-245 14.190 14.191 14.190 14.192 14.189 13.232 12.886 12.587 12.572

Pcw = 12.810 L = .0231 Pcb = 12.337 Ptc/Pcw = 1.141 Wc = 1.71 T = 71. B = 29.90

Run 32-16 C1 I1 S1 B1 Eng 2 α=-4° β=-10° m/m*=~~.510~~ 0.666

Pt/Pto 131-144

.999 .999 .999 .999 .997 .995 .999 1.000 .999 .999 .998 .995 .986 .989

Cp 330-344

~~-.321~~ -.095 -.473 -.512 -.498 .387 -.189 -.538 -.743 -.738 -.692 -.929 -2.115 -.762 -1.777

Pt/Pto 101-130

.973 .934 .978 .979 1.000 1.000 1.000 .947 .983 .976
1.000 1.000 1.000 .963 .983 .978 1.000 1.000 1.000 .982
.991 .991 1.000 1.000 1.000 .998 .999 1.000 1.000 1.000

Ptc = 14.628 Ptc/Pto = .988 K = .0667

Cp 310-320

-1.713 ~~-1.477~~ .738 .673 .557 .263 -.065 -.107 -.128 -.149 -.142

Cp 321-329

-2.235 .305 .965 .925 .824 .561 .270 .147 .028

Ps 301-309 12.085 11.030 11.755 12.168 12.485 12.837 12.912 12.930 13.003

Ps 201-206 12.859 12.933 12.968 12.921 12.635 12.640

Ps 207-212 12.329 12.383 12.426 12.389 12.336 12.270

Ps 213-224 12.827 11.436 11.227 11.187 11.334 12.140 12.277 12.366 12.399 13.162 ~~13.174~~ 13.136

Ps 225-236 12.609 ~~11.535~~ 10.712 10.654 10.929 ~~11.337~~ 11.720 11.919 12.057 12.711 13.046 13.269

Ps 237-245 14.195 14.196 14.195 14.197 14.195 13.250 12.908 12.611 12.593

Pcw = 12.826 L = .0228 Pcb = 12.355 Ptc/Pcw = 1.140 Wc = 1.71 T = 70. B = 29.90

Run 32-17 C1 I1 S1 B1 Eng 2 α=-4° β=-4° m/m*=~~.610~~ 0.669

Pt/Pto 131-144

.999 .999 .999 .999 .997 .994 .999 1.000 .999 .999 .997 .994 .986 .990

Cp 330-344

~~-.217~~ -.186 -.515 -.503 -.450 .440 -.151 -.519 -.731 -.722 -.675 -.887 -2.047 -.720 -1.654

Pt/Pto 101-130

.973 .953 .978 .970 .999 1.000 1.000 .977 .981 .969
1.000 1.000 1.000 .992 .985 .972 1.000 1.000 1.000 .999
.997 .987 1.000 1.000 .999 1.000 1.000 .999 1.000 1.000

Ptc = 14.664 Ptc/Pto = .991 K = .0468

Cp 310-320

-1.447 ~~-1.437~~ .856 .785 .650 .335 -.005 -.044 -.075 -.095 -.086

Cp 321-329

-1.142 .650 .915 .797 .664 .384 .142 .056 -.028

Ps 301-309 12.268 11.225 11.896 12.338 12.642 12.908 12.976 13.001 13.048

Ps 201-206 12.896 12.964 13.000 12.948 12.672 12.683

Ps 207-212 12.375 12.427 12.464 12.436 12.382 12.314

Ps 213-224 12.907 11.541 11.334 11.292 11.437 12.203 12.339 12.421 12.448 13.214 ~~13.223~~ 13.180

Ps 225-236 13.082 ~~11.989~~ 11.036 10.828 10.949 ~~11.303~~ 11.833 12.005 12.146 12.816 13.137 13.348

Ps 237-245 14.207 14.206 14.206 14.208 14.205 13.279 12.959 12.672 12.646

Pcv = 12.861 L = .0223 Pcb = 12.400 Ptc/Pcv = 1.140 Wc = 1.71 T = 70. B = 29.90

Run 32-18 C1 I1 S1 B1 Eng 2 α=-4° β=4° m/m*= ~~.610~~ 0.666

Pt/Pto 131-144
1.000 .999 1.000 .999 .997 .995 .999 .999 .999 .999 .997 .994 .987 .990

Cp 330-344
~~-.000~~ -.382 -.651 -.571 -.482 .454 -.133 -.515 -.733 -.723 -.681 -.887 -2.067 -.721 -1.589

Pt/Pto 101-130
.975 .976 .965 .961 .999 1.000 1.000 1.000 .987 .964
1.000 1.000 1.000 1.000 .999 .970 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.694 Ptc/Pto = .993 K = .0391

Cp 310-320
-1.187 ~~1.425~~ .940 .840 .690 .349 -.000 -.035 -.091 -.112 -.108

Cp 321-329
-.010 .871 .772 .527 .384 .124 -.049 -.070 -.119

Ps 301-309 12.550 11.592 12.004 12.384 12.721 13.007 13.057 13.104 13.135

Ps 201-206 12.972 13.032 13.088 13.023 12.755 12.766

Ps 207-212 12.471 12.520 12.551 12.532 12.478 12.411

Ps 213-224 13.000 11.691 11.497 11.467 11.606 12.331 12.456 12.530 12.551 13.290 ~~13.485~~ 13.254

Ps 225-236 13.639 ~~12.582~~ 11.540 11.221 11.169 ~~11.410~~ 12.110 12.157 12.238 12.954 13.292 13.499

Ps 237-245 14.208 14.208 14.209 14.209 14.208 13.348 13.040 12.771 12.738

Pcw = 12.939 L = .0226 Pcb = 12.494 Ptc/Pcw = 1.136 Wc = 1.70 T = 70. B = 29.91

Run 32-19 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*=~~.610~~ 0.667

Pt/Pto 131-144

1.000	1.000	1.000	.999	.997	.995	.999	.999	.999	.999	.997	.993	.986	.990

Cp 330-344

-.228	-.580	-.794	-.678	-.564	.403	-.161	-.536	-.759	-.743	-.703	-.927	-2.140	-.762	-1.595

Pt/Pto 101-130

.975	.982	.972	.953	.998	1.000	1.000	1.000	.999	.963
1.000	1.000	1.000	1.000	1.000	.976	1.000	1.000	1.000	1.000
1.000	.994	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.708 Ptc/Pto = .994 K = .0468

Cp 310-320

-1.122	-1.368	.935	.804	.643	.293	-.054	-.098	-.177	-.196	-.203

Cp 321-329

.492	.847	.541	.266	.133	-.079	-.189	-.170	-.200

Ps 301-309 12.818 11.908 12.224 12.604 12.870 13.016 13.057 13.109 13.138

Ps 201-206 12.973 13.032 13.103 13.022 12.758 12.770

Ps 207-212 12.474 12.522 12.554 12.535 12.483 12.413

Ps 213-224 13.041 11.777 11.592 11.566 11.702 12.385 12.504 12.570 12.581 13.295 ~~13.315~~ 13.258

Ps 225-236 13.975 ~~12.991~~ 11.942 11.567 11.419 ~~11.659~~ 12.220 12.244 12.301 12.959 13.308 13.547

Ps 237-245 14.207 14.206 14.206 14.207 14.205 13.341 13.043 12.777 12.745

Pcw = 12.943 L = .0234 Pcb = 12.497 Ptc/Pcw = 1.136 Wc = 1.70 T = 70. B = 29.91

Run 33-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.677~~ 0.739 0.742

Pt/Pto 131-144

.999	.999	.999	.998	.996	.994	.999	.999	.999	.999	.996	.993	.984	.989

Cp 330-344

~~-.111~~	-.324	-.638	-.576	-.509	.407	-.236	-.615	-.814	-.798	-.742	-.996	-2.377	-.818	-1.875

Pt/Pto 101-130

.970	.953	.970	.962	.999	1.000	.999	.986	.974	.960
1.000	1.000	1.000	.996	.985	.959	.999	1.000	.999	.999
.998	.975	1.000	.999	.999	1.000	1.000	.999	1.000	1.000

Ptc = 14.593 Ptc/Pto = .983 K = .0477

Cp 310-320

-1.759	~~-.283~~	.879	.828	.689	.354	.007	-.025	-.072	-.083	-.074

Cp 321-329

-1.270	.625	.889	.793	.650	.377	.125	.042	-.053

Ps 301-309	11.775	14.418	11.220	11.791	12.195	12.512	12.601	12.639	12.678	
Ps 201-206	12.499	12.570	12.608	12.547	12.212	12.248				
Ps 207-212	11.854	11.920	11.965	11.930	11.861	11.782				
Ps 213-224	12.589	11.006	10.742	10.642	10.788	11.690	11.840	11.932	11.958	12.877 ~~12.913~~ 12.837
Ps 225-236	12.878	11.638	10.459	10.133	10.188	10.584	11.267	11.453	11.610	12.422 12.793 13.041
Ps 237-245	14.065	14.065	14.066	14.069	14.066	12.952	12.579	12.242	12.205	

Pcw = 12.448 L = .0272 Pcb = 11.885 Ptc/Pcw = 1.172 Wc = 1.83 T = 73. B = 29.80

Run 33-2 C1 I1 S1 B1 Eng 2 α=-4° β=0° m/m*= ~~.677~~ 0.740 , 0.739

Pt/Pto 131-144
.999 1.000 1.000 .999 .997 .994 .999 .999 .999 .999 .997 .994 .985 .989

Cp 330-344
~~.112~~ -.276 -.598 -.553 -.488 .455 -.149 -.535 -.752 -.745 -.714 -.978 -2.365 -.789 -1.854

Pt/Pto 101-130
.970 .957 .971 .962 .999 1.000 1.000 .992 .974 .963
1.000 .999 .999 .998 .986 .963 1.000 1.000 1.000 1.000
.999 .981 1.000 1.000 .999 1.000 1.000 .999 1.000 1.000

Ptc = 14.606 Ptc/Pto = .990 K = .0432

Cp 310-320
-2.023 -.484 .918 .859 .728 .399 .019 -.016 -.068 -.079 -.086

Cp 321-329
-1.036 .661 .878 .733 .595 .306 .077 .012 -.065

Ps 301-309 11.958 14.580 11.336 11.881 12.254 12.554 12.634 12.669 12.714

Ps 201-206 12.534 12.605 12.642 12.581 12.255 12.289

Ps 207-212 11.901 11.966 12.011 11.975 11.908 11.830

Ps 213-224 12.512 10.970 10.734 10.669 10.825 11.735 11.884 11.977 12.003 12.910 ~~12.920~~ 12.869

Ps 225-236 13.000 11.772 10.586 10.241 10.263 10.648 11.356 11.513 11.660 12.479 12.835 13.077

Ps 237-245 14.087 14.086 14.089 14.089 14.087 12.979 12.615 12.287 12.246

Pcw = 12.484 L = .0265 Pcb = 11.932 Ptc/Pcw = 1.170 Wc = 1.83 T = 70. B = 29.80

Run 33-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=~~.677~~ 0.744, 0.737

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .995 .999 1.000 1.000 1.000 .998 .995 .985 .990

Cp 330-344
~~.110~~ -.190 -.503 -.480 -.445 .543 .002 -.363 -.597 -.637 -.616 -.941 -2.364 -.742 -1.828

Pt/Pto 101-130
.970 .961 .970 .963 .999 1.000 1.000 .996 .973 .966
1.000 1.000 1.000 .999 .987 .969 1.000 1.000 1.000 1.000
.999 .987 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.620 Ptc/Pto = .991 K = .0396

Cp 310-320
-2.602 ~~-.475~~ .940 .915 .815 .496 .101 .042 -.016 -.047 -.070

Cp 321-329
-.801 .712 .871 .639 .487 .213 .000 -.037 -.084

Ps 301-309 12.166 10.664 11.388 11.923 12.286 12.576 12.647 12.690 12.733

Ps 201-206 12.549 12.618 12.657 12.599 12.274 12.307

Ps 207-212 11.923 11.388 12.029 11.997 11.928 11.851

Ps 213-224 12.270 10.776 10.594 10.588 10.761 11.725 11.882 11.982 12.014 12.927 ~~12.940~~ 12.882

Ps 225-236 13.109 11.889 10.671 10.298 10.289 10.654 11.401 11.538 11.674 12.514 12.860 13.097

Ps 237-245 14.088 14.088 14.088 14.091 14.087 12.997 12.532 12.308 12.267

Pcw = 12.501 L = .0262 Pcb = 11.953 Ptc/Pcw = 1.169 Wc = 1.84 T = 66. B = 29.80

Run 33-4 C1 I1 S1 B Eng 2 α=-20° β=0° m/m*=~~.677~~ 0.740, 0.735

Pt/Pto 131-144
.999 1.000 1.000 1.000 .999 .997 .999 .999 .999 1.000 .999 .997 .986 .990

Cp 330-344
~~.675~~ -.054 -.310 -.361 -.368 .659 .256 -.058 -.300 -.396 -.417 -.804 -2.301 -.622 -1.754

Pt/Pto 101-130
.966 .965 .967 .963 .999 1.000 1.000 .999 .971 .971
1.000 1.000 1.000 1.000 .988 .980 1.000 1.000 1.000 1.000
.999 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.626 Ptc/Pto = .992 K = .0369

Cp 310-320
-3.987 ~~-.561~~ .797 .953 .911 .666 .242 .165 .072 .021 -.021

Cp 321-329
-.679 .610 .660 .410 .272 .000 -.184 -.193 -.198

Ps 301-309 12.458 10.733 11.397 11.947 12.338 12.601 12.658 12.706 12.757

Ps 201-206 12.568 12.637 12.675 12.619 12.294 12.330

Ps 207-212 11.950 12.013 12.054 12.021 11.955 11.879

Ps 213-224 11.784 10.418 10.340 10.439 10.630 11.651 11.866 11.982 12.024 12.945 ~~12.962~~ 12.897

Ps 225-236 13.223 12.025 10.789 10.381 10.329 10.704 11.448 11.564 11.691 12.552 12.891 13.126

Ps 237-245 14.088 14.088 14.089 14.090 14.088 13.013 12.653 12.331 12.289

Pcw = 12.520 L = .0260 Pcb = 11.979 Ptc/Pcw = 1.168 Wc = 1.83 T = 65. B = 29.79

Run 33-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m* ~~.677~~ 0.744 0.740

Pt/Pto 131-144
.999 .999 .999 .998 .995 .993 .999 .999 .999 .998 .996 .993 .984 .988

Cp 330-344
~~-.183~~ -.386 -.698 -.616 -.538 .363 -.323 -.702 -.839 -.845 -.779 -1.011 -2.406 -.836 -1.889

Pt/Pto 101-130
.971 .952 .970 .963 1.000 1.000 1.000 .981 .974 .960
1.000 1.000 1.000 .994 .983 .957 1.000 1.000 1.000 .999
.997 .971 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.579 Ptc/Pto = .989 K = .0489

Cp 310-320
-1.514 ~~-.613~~ .880 .793 .639 .302 -.019 -.049 -.082 -.087 -.070

Cp 321-329
-1.504 .574 .950 .833 .705 .424 .145 .042 -.070

Ps 301-309 11.625 14.336 11.170 11.767 12.194 12.525 12.621 12.659 12.694

Ps 201-206 12.514 12.589 12.632 12.567 12.238 12.272

Ps 207-212 11.882 11.948 11.994 11.959 11.890 11.812

Ps 213-224 12.710 11.118 10.834 10.705 10.840 11.715 11.861 11.954 11.980 12.890 ~~12.937~~ 12.850

Ps 225-236 12.777 11.553 10.408 10.119 10.202 10.630 11.256 11.463 11.630 12.428 12.800 13.048

Ps 237-245 14.065 14.066 14.067 14.069 14.066 12.969 12.595 12.264 12.227

Pcw = 12.469 L = .0270 Pcb = 11.914 Ptc/Pcw = 1.169 Wc = 1.83 T = 65. B = 29.79

Run 33-6 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*=.~~677~~ 0.739

Pt/Pto 131-144
.999 .999 .998 .997 .995 .993 .999 .999 .998 .996 .995 .992 .984 .988

Cp 330-344
~~.687~~ -.449 -.760 -.642 -.567 .306 -.421 -.795 -.955 -.880 -.790 -.997 -2.374 -.830 -1.894

Pt/Pto 101-130
.971 .947 .969 .964 1.000 1.000 1.000 .972 .972 .961
1.000 .993 1.000 .989 .979 .955 1.000 1.000 1.000 .999
.995 .967 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.564 Ptc/Pto = .988 K = .0539

Cp 310-320
-1.183 ~~-.646~~ .875 .732 .581 .247 -.033 -.059 -.089 -.068 -.049

Cp 321-329
-1.969 .418 .964 .882 .769 .482 .172 .035 -.094

Ps 301-309 11.416 14.220 11.170 11.760 12.170 12.504 12.615 12.645 12.684

Ps 201-206 12.503 12.578 12.622 12.558 12.227 12.262

Ps 207-212 11.870 11.937 11.984 11.951 11.880 11.798

Ps 213-224 12.872 11.261 10.940 10.770 10.882 11.717 11.862 11.951 11.971 12.874 ~~12.915~~ 12.840

Ps 225-236 12.601 11.395 10.313 10.075 10.213 10.652 11.220 11.442 11.612 12.394 12.776 13.024

Ps 237-245 14.063 14.062 14.063 14.065 14.063 12.959 12.580 12.246 12.211

Pcw = 12.458 L = .0271 Pcb = 11.903 Ptc/Pcw = 1.169 Wc = 1.83 T = 64. B = 29.79

Run 33-7 C1 I1 S1 B1 Eng ∠ α=20° β=0° m/m*=~~.647~~ 0.742, 0.738

Pt/Pto 131-144
.999 .999 .998 .996 .994 .993 .999 .999 .998 .997 .995 .992 .984 .988

Cp 330-344
~~-.041~~ -.533 -.797 -.652 -.599 .240 -.524 -.873 -.974 -.857 -.741 -.322 -2.308 -.780 -1.849

Pt/Pto 101-130
.972 .935 .972 .970 1.000 1.000 1.000 .954 .974 .968
1.000 1.000 1.000 .969 .975 .960 1.000 1.000 1.000 .986
.988 .966 1.000 1.000 1.000 .998 .999 .997 1.000 1.000

Ptc = 14.538 Ptc/Pto = .986 K = .0660

Cp 310-320
-.778 ~~-.699~~ .817 .650 .501 .198 -.023 -.028 -.049 -.028 -.054

Cp 321-329
-2.825 .049 .837 .871 .785 .505 .130 -.040 -.198

Ps 301-309 11.251 14.065 10.993 11.641 12.080 12.491 12.559 12.580 12.627

Ps 201-206 12.462 12.549 12.534 12.525 12.185 12.216

Ps 207-212 11.819 11.891 11.946 11.907 11.831 11.748

Ps 213-224 13.082 11.469 11.106 10.870 10.953 11.726 11.866 11.940 11.955 12.819 ~~12.654~~ 12.795

Ps 225-236 12.300 11.153 10.230 10.126 10.382 10.802 11.221 11.430 11.573 12.282 12.674 12.923

Ps 237-245 14.055 14.055 14.056 14.058 14.054 12.916 12.523 12.179 12.154

Pcw = 12.422 L = .0281 Pcb = 11.857 Ptc/Pcw = 1.170 Wc = 1.83 T = 64. B = 29.79

Run 33-8 C1 I1 S1 B Eng ∠ α=0° β=-4° m/m*= ~~.677~~ 0.742, 0.740

Pt/Pto 131-144
.999 .999 1.000 .999 .996 .994 .999 .999 .999 .999 .997 .994 .984 .988

Cp 330-344
~~-.191~~ -.264 -.609 -.581 -.537 .385 -.259 -.630 -.831 -.810 -.756 -1.016 -2.400 -.838 -1.938

Pt/Pto 101-130
.979 .940 .975 .968 1.000 1.000 1.000 .962 .978 .964
1.000 1.000 1.000 .982 .980 .961 1.000 1.000 1.000 .996
.994 .978 1.000 1.000 .999 .999 1.000 .999 1.000 .999

Ptc = 14.568 Ptc/Pto = .988 K = .0608

Cp 310-320
-1.865 ~~-.789~~ .809 .768 642 .322 -.026 -.068 -.098 -.110 -.098

Cp 321-329
-1.984 .414 .918 .876 .759 .474 .191 .089 -.035

Ps 301-309 11.692 14.347 11.178 11.739 12.151 12.525 12.626 12.650 12.701

Ps 201-206 12.534 12.607 12.645 12.585 12.263 12.292

Ps 207-212 11.907 11.973 12.021 11.982 11.914 11.837

Ps 213-224 12.586 11.002 10.740 10.642 10.780 11.704 11.853 11.955 11.987 12.894 ~~12.887~~ 12.859

Ps 225-236 12.587 11.367 10.278 10.054 10.226 10.675 11.233 11.465 11.639 12.409 12.791 13.036

Ps 237-245 14.077 14.078 14.080 14.081 14.077 12.982 12.608 12.273 12.240

Pcw = 12.488 L = .0262 Pcb = 11.939 Ptc/Pcw = 1.167 Wc = 1.82 T = 64. B = 29.79

Run 33-9 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*=~~.677~~ 0.740, 0.738

Pt/Pto 131-144
.999 .999 .999 .999 .996 .994 .999 .992 .999 .999 .997 .994 .984 .988

Cp 330-344
~~-.69~~ -.195 -.599 -.620 -.630 .333 -.695 -.658 -.855 -.839 -.787 -1.072 -2.519 -.908 -2.136

Pt/Pto 101-130
.968 .919 .976 .980 1.000 1.000 1.000 .932 .981 .972
1.000 1.000 1.000 .946 .978 .966 1.000 1.000 1.000 .967
.984 .982 1.000 1.000 1.000 .995 .998 .999 1.000 1.000

Ptc = 14.517 Ptc/Pto = .985 K = .0825

Cp 310-320
-2.300 ~~-.813~~ .653 .642 .539 .238 -.102 -.147 -.181 -.173 -.176

Cp 321-329
-3.375 -.060 .874 .955 .884 .620 .297 .147 -.002

Ps 301-309 11.428 14.018 10.986 11.574 11.979 12.396 12.481 12.487 12.572

Ps 201-206 12.421 12.510 12.544 12.482 12.138 12.169

Ps 207-212 11.764 11.840 11.903 11.838 11.768 11.692

Ps 213-224 12.470 10.847 10.578 10.470 10.618 11.582 11.733 11.835 11.865 12.763 ~~12.827~~ 12.747

Ps 225-236 12.056 10.877 9.925 9.887 10.234 10.699 11.111 11.322 1 .465 12.187 12.601 12.874

Ps 237-245 14.064 14.065 14.065 14.067 14.065 12.871 12.471 12.115 12.094

Pcw = 12.377 L = .0279 Pcb = 11.801 Ptc/Pcw = 1.173 Wc = 1.84 T = 64. B = 29.79

Run 33-10 C1 I1 S1 B1 Eng ∠ α=0° β=4° m/m*= ~~.677~~ 0.744, 0.739

Pt/Pto 131-144

.999 1.000 1.000 .999 .996 .994 .999 .999 .999 .998 .996 .993 .984 .989

Cp 330-344

~~-.000~~ -.436 -.709 -.614 -.528 .399 -.243 -.633 -.830 -.816 -.753 -1.010 -2.406 -.825 -1.833

Pt/Pto 101-130

.971 .968 .962 .957 .999 .999 1.000 .999 .972 .958
1.000 .999 1.000 1.000 .991 .959 1.000 1.000 1.000 1.000
1.000 .977 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.605 Ptc/Pto = .990 K = .0430

Cp 310-320

-1.616 ~~-.852~~ .931 .841 .698 .348 -.005 -.042 -.088 -.104 -.097

Cp 321-329

-.637 .784 .882 .672 .528 .246 .035 -.009 -.088

Ps 301-309 11.885 14.636 11.307 11.854 12.267 12.584 12.669 12.716 12.751

Ps 201-206 12.565 12.632 12.684 12.615 12.292 12.325

Ps 207-212 11.946 12.011 12.050 12.018 11.954 11.875

Ps 213-224 12.659 11.115 10.859 10.771 10.912 11.785 11.929 12.019 12.044 12.942 ~~12.929~~ 12.898

Ps 225-236 13.187 11.975 10.761 10.381 10.339 10.682 11.448 11.561 11.689 12.543 12.889 13.123

Ps 237-245 14.081 14.081 14.081 14.083 14.081 13.013 12.650 12.327 12.288

Pcw = 12.519 L = .0268 Pcb = 11.976 Ptc/Pcw = 1.167 Wc = 1.83 T = 63. B = 29.80

Run 33-11 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m*= ~~.677~~ 0.742, 0.740

Pt/Pto 131-144
.999 1.000 1.000 .999 .996 .994 .998 .998 .998 .998 .996 .992 .984 .988

Cp 330-344
~~-.086~~ -.601 -.823 -.693 -.578 .347 -.262 -.653 -.854 -.832 -.781 -1.057 -2.530 -.851 -1.839

Pt/Pto 101-130
.972 .976 .963 .948 .998 1.000 1.000 1.000 .991 .956
.999 1.000 1.000 1.000 .999 .967 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 .999 1.000 1.000 1.000 1.000 1.000

Ptc = 14.627 Ptc/Pto = .992 K = .0527

Cp 310-320
-1.645 ~~-.917~~ .917 .835 .682 .323 -.042 -.078 -.153 -.165 -.167

Cp 321-329
-.000 .857 .738 .460 .323 .071 -.083 -.083 -.134

Ps 301-309 12.283 11.177 11.517 11.975 12.339 12.623 12.683 12.751 12.784

Ps 201-206 12.592 12.658 12.717 12.640 12.325 12.358

Ps 207-212 11.982 12.047 12.085 12.053 11.992 11.913

Ps 213-224 12.681 11.205 10.971 10.899 11.038 11.868 12.007 12.087 12.102 12.972 ~~12.984~~ 12.929

Ps 225-236 13.557 12.409 11.173 10.734 10.590 10.898 11.628 11.671 11.757 12.577 12.981 13.235

Ps 237-245 14.084 14.084 14.083 14.081 14.083 13.031 12.680 12.368 12.327

Pcw = 12.548 L = .0268 Pcb = 12.012 Ptc/Pcw = 1.166 Wc = 1.83 T = 63. B = 29.80

Run 33-12 C1 I S1 B1 Eng 2 α=4° β=10° m/m*=~~.677~~ 0.740

Pt/Pto 131-144
.999 1.000 .999 .998 .996 .994 .998 .998 .996 .997 .995 .991 .984 .988

Cp 330-344
~~-.161~~ -.609 -.838 -.679 -.545 .302 -.349 -.730 -.911 -.873 -.805 -1.051 -2.500 -.845 -1.788

Pt/Pto 101-130
.973 .976 .963 .946 .998 .999 1.000 1.000 .994 .954
1.000 1.000 1.000 1.000 .999 .965 1.000 1.000 1.000 1.000
1.000 .986 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.625 Ptc/Pto = .992 K = .0546

Cp 310-320
-1.306 ~~-.930~~ .940 .805 .641 .281 -.044 -.068 -.133 -.136 -.131

Cp 321-329
-.089 .900 .811 .557 .405 .159 -.002 -.037 -.101

Ps 301-309 12.255 11.300 11.441 11.817 12.190 12.612 12.676 12.747 12.778

Ps 201-206 12.587 12.649 12.720 12.634 12.319 12.353

Ps 207-212 11.976 12.038 12.075 12.044 11.986 11.903

Ps 213-224 12.807 11.302 11.038 10.931 11.058 11.865 12.000 12.080 12.094 12.966 ~~13.007~~ 12.924

Ps 225-236 13.473 12.309 11.078 10.652 10.531 10.842 11.600 11.643 11.733 12.566 12.976 13.236

Ps 237-245 14.083 14.083 14.084 14.085 14.083 13.024 12.675 12.362 12.320

Pcw = 12.544 L = .0274 Pcb = 12.004 Ptc/Pcw = 1.166 Wc = 1.83 T = 63. B = 29.80

Run 33-13 C1 I1 S1 B1 Eng 2 α=4° β=-10° m/m*= ~~.677~~ 0.737

Pt/Pto 131-144

.999 .999 .999 .998 .996 .994 .999 .999 .999 .999 .996 .993 .984 .988

Cp 330-344

~~-.231~~ -.283 -.670 -.679 -.679 .288 -.368 -.722 -.906 -.861 -.799 -1.054 -2.472 -.917 -2.122

Pt/Pto 101-130

.968 .919 .975 .984 1.000 1.000 1.000 .933 .980 .973
1.000 1.000 .999 .946 .976 .963 1.000 1.000 1.000 .965
.982 .979 1.000 1.000 1.000 .993 .997 .999 1.000 1.000

Ptc = 14.516 Ptc/Pto = .984 K = .0819

Cp 310-320

-2.013 ~~-1.067~~ .638 .592 .474 .175 -.141 -.189 -.231 -.182 -.193

Cp 321-329

-3.688 -.209 .827 .946 .884 .627 .271 .111 - 042

Ps 301-309 11.259 13.933 10.991 11.617 12.009 12.407 12.494 12.502 12.584

Ps 201-206 12:432 12.521 12.556 12.497 12.151 12.183

Ps 207-212 11.782 11.857 11.921 11.853 11.784 11.707

Ps 213-224 12.603 10.974 10.680 10.543 10.679 11.616 11.755 11.852 11.883 12.775 ~~12.866~~ 12.757

Ps 225-236 11.957 10.787 9.880 9.869 10.218 10.705 11.115 11.326 11.467 12.199 12.613 12.886

Ps 237-245 14.076 14.077 14.077 14.079 14.075 12.880 12.482 12.127 12.107

Pcw = 12.390 L = .0278 Pcb = 11.817 Ptc/Pcw = 1.172 Wc = 1.84 T = 61. B = 29.80

Run 33-14 C1 I1 S1 B1 Eng - α=-4° β=-10° m/m*=~~.674~~ 0.740

Pt/Pto 131-144
.999 .999 .999 .999 .997 .994 .999 .999 .999 .999 .998 .995 .984 .989

Cp 330-344
~~-.316~~ -.100 -.496 -.533 -.545 .384 -.205 -.564 -.764 -.766 -.729 -1.032 -2.455 -.850 -2.054

Pt/Pto 101-130
.969 .919 .975 .977 1.000 1.000 1.000 .993 .980 .972
1.000 1.000 1.000 .949 .978 .973 1.000 1.000 1.000 .972
.986 .989 1.000 1.000 1.000 .997 .999 .999 1.000 1.000

Ptc = 14.535 Ptc/Ptc = .985 K = .0815

Cp 310-320
-2.550 ~~-1.064~~ .679 .682 .596 .310 -.047 - 098 -.121 -.144 -.142

Cp 321-329
-3.002 .049 .906 .946 .859 .596 .298 .170 .040

Ps 301-309 11.656 14.221 11.096 11.580 11.961 12.420 12.499 12.512 12.600

Ps 201-206 12.449 12.538 12.565 12.511 12.166 12.198

Ps 207-212 11.798 11.871 11.928 11.867 11.803 11.726

Ps 213-224 12.354 10.756 10.516 10.445 10.601 11.590 11.751 11.857 11.894 12.794 ~~12.832~~ 12.772

Ps 225-236 12.175 10.969 9.991 9.918 10.254 10.713 11.145 11.366 11.512 12.241 12.641 12.910

Ps 237-245 14.081 14.082 14.083 14.083 14.080 12.899 12.505 12.152 12.127

Pcw = 12.404 L = .0274 Pcb = 11.832 Ptc/Pcw = 1.172 Wc = 1.84 T = 61. B = 29.80

Run 33-15 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*= ~~.738~~ 0.742

Pt/Pto 131-144
.999 1.000 1.000 .999 .997 .995 .998 .993 .998 .998 .996 .993 .985 .989

Cp 330-344
~~-.228~~ -.580 -.803 -.630 -.589 .399 -.178 -.554 -.772 -.770 -.737 -1.025 -2.485 -.838 -1.828

Pt/Pto 101-130
.973 .977 .965 .949 .998 1.000 1.000 1.000 .991 .957
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.633 Ptc/Pto = .992 K = .0513

Cp 310-320
-1.894 ~~-1.041~~ .922 .854 .709 .350 -.028 -.077 -.167 -.183 -.199

Cp 321-329
.169 .863 .645 .361 .221 -.023 -.157 -.148 -.185

Ps 301-309 12.361 11.206 11.630 12.084 12.430 12.648 12.706 12.769 12.804

Ps 201-206 12.614 12.679 12.739 12.661 12.347 12.382

Ps 207-212 12.010 12.072 12.110 12.081 12.019 11.939

Ps 213-224 12.588 11.144 10.938 10.898 11.048 11.893 12.030 12.112 12.128 12.989 ~~12.962~~ 12.945

Ps 225-236 13.649 12.508 11.286 10.839 10.672 10.959 11.679 11.715 11.795 12.598 13.001 13.260

Ps 237-245 14.098 14.097 14.098 14.100 14.097 13.046 12.702 12.393 12.352

Pcw = 12.570 L = .0267 Pcb = 12.039 Ptc/Pcw = 1.164 Wc = 1.83 T = 61. B = 29.80

Run 34-1 C1 I1 S1 B1 Eng 2α =0° β=0° m/m* = ~~1.11~~ 0.813, 0.815

Pt/Pto 131-144
.999 .999 1.000 .999 .996 .994 .999 .999 .999 .999 .996 .993 .982 .988

Cp 330-344
~~.104~~ -.340 -.671 -.629 -.593 .400 -.253 -.653 -.868 -.851 -.811 -1.194 -.3.012 -.969 -2.355

Pt/Pto 101-130
.960 .930 .966 .954 1.000 1.000 1.000 .965 .969 .952
1.000 1.000 1.000 .988 .978 .949 1.000 1.000 1.000 .999
.996 .971 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.538 Ptc/Pto = .986 K = .0708

Cp 310-320
-3.138 ~~-1.119~~ .859 .880 .759 .430 .033 -.012 -.066 -.080 -.080

Cp 321-329
-2.308 .370 .939 .849 .721 .433 .165 .066 -.047

Ps 301-309 11.173 13.043 14.064 10.837 11.416 11.842 11.975 12.018 12.078

Ps 201-206 11.818 11.922 11.965 11.889 11.469 11.512

Ps 207-212 10.969 11.063 11.125 11.063 10.958 10.857

Ps 213-224 11.913 9.970 9.616 n.g. 9.548 10.717 10.967 11.094 11.128 12.336 ~~12.362~~ 12.276

Ps 225-236 12.326 10.865 n.g. n.g. n.g. n.g. 10.172 10.486 10.710 11.738 12.221 12.533

Ps 237-245 13.911 13.914 13.915 13.916 13.913 12.424 11.957 11.513 11.472

Pcw = 11.762 L = .0341 Pcb = 11.006 Ptc/Pcw = 1.236 Mc = 2.04 T = 61. B = 29.80

Run 34-2 Cl Il Sl Bl Eng 2 α =-4° β=0° m/m*=.~~711~~ 0.818

Pt/Pto 131-144

.999	1.000	1.000	.999	.997	.994	.999	.999	.999	.999	.997	.994	.982	.988

Cp 330-344

~~-.099~~	-.297	-.625	-.592	-.573	.443	-.172	-.564	-.797	-.807	-.783	-1.184	-3.023	-.960	-2.344

Pt/Pto 101-130

.960	.932	.966	.955	.999	1.000	1.000	.972	.969	.954
1.000	1.000	1.000	.992	.979	.953	1.000	1.000	1.000	.999
.997	.978	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.552 Ptc/Pto = .987 K = .0685

Cp 310-320

-3.489	~~-1.196~~	.857	.908	.807	.479	.050	.002	-.050	-.078	-.085

Cp 321-329

-2.053	.419	.887	.804	.670	.370	.116	.035	-.047

Ps 301-309 11.353 13.142 14.108 10.841 11.400 11.863 11.989 12.036 12.094

Ps 201-206 11.841 11.944 11.983 11.909 11.489 11.534

Ps 207-212 10.996 11.090 11.149 11.088 10.986 10.886

Ps 213-224 11.768 9.848 9.523 n.g. 9.512 10.722 10.975 11.105 11.147 12.358 ~~12.375~~ 12.295

Ps 225-236 12.431 10.961 n.g. n.g. n.g. n.g. 10.226 10.518 10.737 11.770 12.243 12.550

Ps 237-245 13.914 13.914 13.916 13.917 13.914 12.446 11.979 11.540 11.497

Pcw = 11.783 L = .0339 Pcb = 11.032 Ptc/Pcw = 1.235 Wc = 2.04 T = 60. B = 29.80

Run 34-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*= ~~.721~~ 0.813, 0.819

Pt/Pto 131-144
.999 1.000 1.000 1.000 .997 .995 .999 .999 .999 .999 .998 .995 .982 .989

Cp 330-344
~~-101~~ -.208 -.528 -.524 -.516 .524 -.021 -.403 -.651 -.691 -.686 -1.130 -3.005 -.899 -2.316

Pt/Pto 101-130
.959 .938 .966 .955 .999 1.000 1.000 .983 .968 .958
1.000 .999 1.000 .996 .980 .962 1.000 1.000 1.000 1.000
.998 .986 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.574 Ptc/Pto = .988 K = .0628

Cp 310-320
-4.196 ~~-1.166~~ .797 .936 .870 .573 .127 .057 -.014 -.047 -.073

Cp 321-329
-1.774 .478 .847 .700 .561 .276 .031 -.026 -.073

Ps 301-309 11.609 13.267 14.190 10.886 11.442 11.892 12.005 12.056 12.122

Ps 201-206 11.860 11.965 12.000 11.931 11.511 11.557

Ps 207-212 11.022 11.116 11.173 11.113 11.013 10.915

Ps 213-224 11.511 9.647 n.g. n.g. 9.449 10.746 10.987 11.122 11.167 12.380 ~~12.392~~ 12.311

Ps 225-236 12.559 11.092 9.511 n.g. n.g. n.g. 10.312 10.559 10.766 11.815 12.273 12.571

Ps 237-245 13.920 13.922 13.922 13.924 13.920 12.466 12.002 11.568 11.523

Pcw = 11.804 L = .0336 Pcb = 11.059 Ptc/Pcw = 1.235 Wc = 2.05 T = 60. B = 29.80

Run 34-4 Cl Il Sl Bl Eng 2 α=-20° β=0° m/m*= ~~.711~~ 0.817

Pt/Pto 131-144

.999	1.000	1.000	1.000	.999	.997	.999	.999	.999	.999	.999	.997	.983	.989

Cp 330-344

~~-.090~~	-.063	-.330	-.388	-.418	.653	.242	-.086	-.342	-.451	-.472	-.969	-2.888	-.750	-2.182

Pt/Pto 101-130

.957	.943	.963	.955	.999	1.000	1.000	.993	.966	.967
1.000	1.000	1.000	.999	.982	.977	1.000	1.000	1.000	1.000
.999	.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.597 Ptc/Pto = .990 K = .0574

Cp 310-320

-5.627	~~-1.169~~	.628	.941	.939	.718	.267	.184	.088	.028	-.019

Cp 321-329

-1.571	.403	.668	.476	.342	.058	-.156	-.170	-.188

Ps 301-309	11.955	13.419	14.310	10.982	11.513	11.922	12.020	12.083	12.155
Ps 201-206	11.889	11.990	12.023	11.962	11.540	11.586			
Ps 207-212	11.058	11.148	11.205	11.147	11.049	10.951			

Ps 213-224	11.001	n.g.	n.g.	n.g.	n.g.	10.703	10.990	11.135	11.190	12.408	~~12.429~~	12.336
Ps 225-236	12.704	11.257	9.647	n.g.	n.g.	n.g.	10.411	10.604	10.788	11.875	12.315	12.614
Ps 237-245	13.927	13.930	13.932	13.933	13.930	12.491	12.034	11.603	11.555			

Pcw = 11.832 L = .0331 Pcb = 11.093 Ptc/Pcw = 1.234 Wc = 2.05 T = 60. B = 29.80

Run 34-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m* = ~~.761~~ 0.813

Pt/Pto 131-144
.999 .999 .999 .998 .995 .993 .999 .999 .999 .998 .995 .992 .981 .986

Cp 330-344
~~-.636~~ -.395 -.725 -.647 -.609 .360 -.336 -.727 -.932 -.896 -.840 -1.188 -2 985 -.974 -2 341

Pt/Pto 101-130
.990 .986 .967 .955 .933 .999 1.000 .957 .969 .952
1.000 .999 1.000 .982 .977 .946 1.000 1.000 1.000 .998
.995 .965 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.523 Pto/Pto = .985 K = .0745

Cp 310-320
-2.744 ~~-1.223~~ .845 .842 .720 .386 .002 -.031 -.071 -.080 -.068

Cp 321-329
-2.535 .268 .915 .892 .774 .482 .186 .071 -.045

Ps 301-309 10 976 12.941 14 047 10.873 11.452 11.847 11.934 12.036 12.091

Ps 201-206 11.839 11.940 11.986 11.909 11.487 11.534

Ps 207-212 10.995 11.090 11.153 11.092 10.930 10.887

Ps 213-224 12.065 10.106 9.727 9.479 9.609 10.741 10.932 11.116 11.150 12.348 ~~10.394~~ 12 292

Ps 225-236 12.231 10.788 n.g. n.g. n.g. n.g. 10.177 10.492 10.720 11.742 12.288 12 539

Ps 237-245 13.914 13.915 13.916 13.917 13.911 12.441 11.973 11.530 11.492

Pcw = 11.783 L = .0345 Pco = 11.035 Ptc/Pcw = 1.233 Wc = 2 03 T = 60. B = 29.80

Run 34-6 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.711~~ 0.811

Pt/Pto 131-144
.999 .999 .999 .997 .994 .993 .999 .999 .998 .996 .994 .991 .981 .986

Cp 330-344
~~.075~~ -.463 -.782 -.681 -.639 .300 -.435 -.826 -.992 -.929 -.850 -1.168 -2.938 -.971 -2.327

Pt/Pto 101-130
.961 .923 .965 .956 .999 1.000 1.000 .949 .969 .953
1.000 .999 1.000 .974 .974 .944 1.000 1.000 1.000 .995
.993 .960 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.507 Ptc/Pto = .984 K = .0786

Cp 310-320
-2.275 ~~1.037~~ .861 .791 .658 .325 -.007 -.040 -.077 -.066 -.049

Cp 321-329
-3.027 .099 .910 .920 .817 .531 .199 .059 -.091

Ps 301-309 10.706 12.785 14.159 10.954 11.442 11.805 11.967 12.004 12.060

Ps 201-206 11.805 11.911 11.962 11.882 11.455 11.502

Ps 207-212 10.956 11.053 11.120 11.058 10.950 10.848

Ps 213-224 12.247 10.266 9.844 9.541 9.636 10.734 10.979 11.094 11.125 12.315 ~~12.352~~ 12.262

Ps 225-236 12.043 10.615 n.g. n.g. n.g. 9.478 10.098 10.440 10.666 11.687 12.179 12.488

Ps 237-245 13.909 13.910 13.910 13.911 13.909 12.412 11.937 11.490 11.455

Pcw = 11.753 L = .0349 Pcb = 10.998 Ptc/Pcw = 1.234 Wc = 2.04 T = 60. B = 29.80

Run 34-7 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*= ~~[illegible]~~ 0.811

Pt/Pto 131-144
.999 .999 .998 .997 .994 .993 .999 .999 .998 .997 .995 .992 .981 .987

Cp 330-344
~~-.619~~ -.566 -.837 -.709 -.687 .232 -.556 -.910 -1.036 -.917 -.815 -1.102 -2.918 -.936 -2.330

Pt/Pto 101-130
.962 .912 .967 .965 1.000 1.000 1.000 .934 .960 .962
1.000 1.000 1.000 .953 .966 .947 1.000 1.000 1.000 .976
.983 .953 1.000 1.000 1.000 .998 .999 .998 1.000 1.000

Ptc = 14.466 Ptc/Pto = .931 K = .0895

Cp 310-320
-1.853 ~~-1.292~~ .841 .730 .593 .280 .000 -.014 -.045 -.026 -.055

Cp 321-329
-4.077 -.401 .781 .896 .839 .562 .166 -.026 -.192

Ps 301-309 14.449 12.485 14.096 10.676 11.392 11.770 11.871 11.809 11.960

Ps 201-206 11.736 11.854 11.903 11.814 11.374 11.420

Ps 207-212 10.861 10.967 11.050 10.977 10.861 10.747

Ps 213-224 12.477 10.493 10.025 9.654 9.704 10.736 10.970 11.065 11.077 12.207 ~~12.276~~ 12.184

Ps 225-236 11.696 10.345 n.g. n.g. n.g. 9.673 10.126 10.405 10.595 11.493 12.003 12.336

Ps 237-245 13.889 13.889 13.891 13.894 13.889 12.328 11.832 11.368 11.350

Pcw = 11.684 L = .0365 Pco = 10.910 Ptc/Pcw = 1.238 Wc = 2.04 T = 60. B = 29.79

Run 34-8 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*=~~1.1~~ 0.802

Pt/Pto 131-144
.999 .999 .999 .999 .996 .994 .992 .993 .989 .990 997 .994 .982 .987

Cp 330-344
~~-661~~ -.212 -.615 -.643 -.692 .319 -.310 -.673 -.876 -.854 -.831 -1.192 -2.932 -1.015 -2 490

Pt/Pto 101-130
.960 .894 .972 .978 .999 1.000 1.000 911 .975 969
1.000 1.000 1.000 .928 .969 .991 1.000 1.000 1.000 .955
.977 .982 1.000 1.000 1.000 .993 .997 .999 1.000 1.000

Ptc = 14.456 Pto/Ptc = .980 K = .1075

Cp 310-320
-3.327 ~~-1.899~~ .600 .654 .966 .282 -.084 -.133 -.172 -.170 -.172

Cp 321-329
-4.292 -.413 .738 .950 899 .645 .314 .156 .009

Ps 301-309 10.875 12.720 13.977 10.782 11.301 11.776 11 956 11.855 11.971

Ps 201-206 11.771 11.894 11.929 11.854 11.414 11 457

Ps 207-212 10.908 11.019 11.106 11.004 10.900 10.798

Ps 213-224 11.915 9.971 9.615 n.g. 9.583 10.681 10.952 11.076 11.106 12 213 ~~12.244~~ 12 198

Ps 225-236 11.550 10.164 n.g. n.g. n.g. 9 764 10.178 10.441 10.624 11.478 11.998 12.353

Ps 237-245 13.937 13.939 13.941 13.941 13.938 12.337 11 947 11.383 11.373

Pcv = 11.719 L = .0354 Pcb = 10.956 Pto/Pcv = 1.234 Mc = 2.03 T = 59. B = 29.79

Run 34-9 C1 I1 S1 B1 Eng 2 α=0° β=10° x/m*= ~~.721~~ 0.824, 0.819

Pt/Pto 131-144
.999 .999 .999 .999 .996 .994 .998 .998 .998 .998 .995 .991 .981 .987

Cp 330-344
~~-.197~~ -.608 -.840 -.720 -.631 .345 -.277 - 673 -.889 -.875 -.842 -1.237 -3.142 -.986 -2.271

Pt/Pto 101-130
.963 .965 .947 .937 .938 1.000 1.000 1.000 .981 .943
1.000 .999 1.000 1.000 .998 .950 1.000 1.000 .999 1.000
1.000 .973 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000

Pto = 14.573 Pto/Pto = .988 K = .0635

Cp 310-320
-3.005 ~~-1.329~~ .912 .903 .763 .408 .000 -.052 -.134 -.157 -.164

Cp 321-329
-.774 .734 .793 .589 .434 .155 -.023 -.052 - 108

Ps 301-309 11.448 13.808 14.325 10.879 11.395 11.909 12 014 12.103 12.148

Ps 201-206 11.863 11.055 12.026 11.932 11.512 11.554

Ps 207-212 11.031 11.125 11.174 11.120 11.021 10.922

Ps 213-224 11.940 10.072 9.744 9.569 9.709 10.087 11.074 11.182 11.204 12.399 ~~12.398~~ 12.331

Ps 225-236 13.002 11.576 9.945 n.g. n.g. n.g. 10.563 10.621 10.748 11.857 12.404 12.710

Ps 237-245 13.906 13.907 13.908 13.909 13.907 12.471 12.023 11.594 11.548

Pcw = 11.809 L = .0353 Pcb = 11.065 Ptc/Pcw = 1.234 Wc = 2.05 T 59. B = 29.79

Run 25-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*=~~.657~~ 0.660

Pt/Pto 131-144
1.000 .999 .999 .996 .992 .989 .999 .999 .999 .997 .993 .989 .981 .982

Cp 330-344
~~-157~~ -.288 -.565 -.465 -.290 .448 -.176 -.538 -.714 -.650 -.554 -.470 -.853 -.386 -.660

Pt/Pto 101-130
.976 .980 .970 .957 1.000 1.000 1.000 1.000 .994 .962
1.000 1.000 1.000 1.000 1.000 .972 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.823 Ptc/Pto = .993 K = .0435

Cp 310-320
.898 ~~.951~~ .674 .427 .282 .016 -.119 -.117 -.134 -.116 -.085

Cp 321-329
.912 .951 .652 .412 .307 .102 -.035 -.059 -.124

Ps 301-309 12.621 11.911 12.307 12.648 12.890 13.097 13.175 13.227 13.260

Ps 201-206 13.093 13.171 13.234 13.142 12.832 12.860

Ps 207-212 12.596 12.647 12.679 12.659 12.602 12.535

Ps 213-224 13.971 12.410 12.018 11.813 11.897 12.471 12.623 12.683 12.699 13.419 ~~13.443~~ 13.382

Ps 225-236 14.099 12.901 11.737 11.378 11.304 11.559 12.236 12.283 12.364 13.075 13.420 13.638

Ps 237-245 14.260 14.262 14.262 14.262 14.261 13.471 13.161 12.897 12.861

Pcw = 13.055 L = .0271 Pcb = 12.620 Ptc/Pcw = 1.135 Wc = 1.68 T = 87. B = 29.90

Run 25-2 Cl Il S. Bl Eng 2 α=-4° β=0° m/m*=.610 0.662

Pt/Pto 131-144

1.000	.999	1.000	.998	.993	.990	.999	1.000	1.000	.999	.994	.990	.981	.983

Cp 330-344

~~.160~~	-.237	-.513	-.436	-.281	.492	-.091	-.449	-.638	-.597	-.513	-.455	-.855	-.369	-.658

Pt/Pto 101-130

.975	.980	.971	.959	.999	1.000	1.000	1.000	.996	.964
1.000	1.000	1.000	1.000	1.000	.975	1.000	1.000	1.000	1.000
1.000	.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.826 Ptc/Pto = .994 K = .0417

Cp 310-320

.834	~~.953~~	.728	.502	.354	.081	-.086	-.094	-.116	-.110	-.090

Cp 321-329

.931	.900	.561	.332	.234	.041	-.076	-.082	-.128

Ps 301-309 12.720 11.960 12.402 12.737 12.963 13.117 13.193 13.245 13.280

Ps 201-206 13.115 13.192 13.259 13.162 12.855 12.885

Ps 207-212 12.623 12.673 12.707 12.686 12.629 12.562

Ps 213-224 13.848 12.297 11.937 11.778 11.884 12.495 12.638 12.702 12.718 13.436 ~~13.458~~ 13.401

Ps 225-236 14.194 13.033 11.862 11.486 11.387 11.636 12.285 12.323 12.400 13.096 13.441 13.664

Ps 237-245 14.267 14.267 14.269 14.270 14.269 13.489 13.182 12.920 12.885

Pcw = 13.078 L = .0272 Pcb = 12.647 Ptc/Pcw = 1.134 Wc = 1.68 T = 87. B = 29.90

Run 25-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=~~.610~~ 0.661

Pt/Pto 131-144

1.000	.999	1.000	.999	.995	.991	.999	1.000	1.000	1.000	.996	.992	.981	.983

Cp 330-344

~~-153~~	-.156	-.421	-.380	-.264	.564	.053	-.293	-.493	-.488	-.433	-.416	-.853	-.332	-.646

Pt/Pto 101-130

.974	.980	.970	.961	1.000	1.000	1.000	1.000	.998	.969
1.000	1.000	1.000	1.000	1.000	.980	1.000	1.000	1.000	1.000
1.000	.996	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.835 Ptc/Pto = .994 K = .0389

Cp 310-320

.672	.944	.825	.625	.479	.196	-.019	-.044	-.081	-.086	-.085

Cp 321-329

.917	.799	.426	.194	.103	-.072	-.164	-.149	-.167

Ps 301-309 12.818 12.008 12.525 12.858 13.043 13.124 13.199 13.251 13.284

Ps 201-206 13.120 13.196 13.270 13.169 12.860 12.889

Ps 207-212 12.627 12.678 12.712 12.691 12.634 12.566

Ps 213-224 13.593 12.061 11.759 11.675 11.811 12.495 12.626 12.697 12.721 13.440 ~~13.468~~ 13.405

Ps 225-236 14.303 13.189 12.007 11.603 11.466 11.708 12.318 12.350 12.420 13.101 13.448 13.677

Ps 237-245 14.274 14.274 14.274 14.275 14.274 13.494 13.186 12.924 12.888

Pcw = 13.084 L = .0276 Pcb = 12.652 Ptc/Pcw = 1.134 Wc = 1.68 T = 87. B = 29.90

Run 25-4 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= ~~.610~~ 0.663

Pt/Pto 131-144

1.000	1.000	1.000	1.000	.998	.994	1.000	1.000	1.000	1.000	.999	.995	.982	.982

Cp 330-344

~~.121~~	-.017	-.240	-.256	-.205	.700	.320	.017	-.197	-.241	-.230	-.302	-.846	-.223	-.598

Pt/Pto 101-130

.972	.980	.968	.966	.999	1.000	1.000	1.000	.999	.983
1.000	1.000	1.000	1.000	1.000	.989	1.000	1.000	1.000	1.000
1.000	.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.851 Ptc/Pto = .995 K = .0343

Cp 310-320

.194	~~.968~~	.972	.822	.695	.427	.133	.099	.028	.001	-.030

Cp 321-329

.845	.642	.202	-.028	-.108	-.270	-.349	-.302	-.282

Ps 301-309	13.373	12.143	12.785	13.070	13.179	13.164	13.223	13.279	13.322
Ps 201-206	13.148	13.223	13.295	13.197	12.887	12.917			
Ps 207-212	12.660	12.71-	12.745	12.726	12.668	12.602			
Ps 213-224	13.043	11.613	11.444	11.507	11.682	12.487	12.623	12.710	12.742	13.464	13.486	13.425
Ps 225-236	14.411	13.382	12.208	11.779	11.602	11.833	12.386	12.415	12.477	13.133	13.475	13.707
Ps 237-245	14.295	14.296	14.296	14.297	14.296	13.516	13.212	12.950	12.920			

Pcw = 13.111 L = .0274 Pcb = 12.685 Ptc/Pcw = 1.133 Wc = 1.67 T = 88. B = 29.90

Run 25-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*=~~.620~~ 0.658

Pt/Pto 131-144

1.000	.999	.998	.994	.991	.988	.999	.999	.998	.995	.991	.988	.980	.981

Cp 330-344

~~-.151~~	-.344	-.617	-.491	-.303	.403	-.262	-.625	-.782	-.695	-.583	-.473	-.844	-.390	-.650

Pt/Pto 101-130

.977	.980	.970	.955	.999	1.000	1.000	1.000	.992	.961
1.000	1.000	1.000	1.000	1.000	.970	1.000	1.000	1.000	1.000
1.000	.986	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.821 Ptc/Pto = .993 K = .0453

Cp 310-320

.939	~~-.944~~	.601	.346	.204	-.048	-.145	-.139	-.146	-.115	-.083

Cp 321-329

.852	.970	.733	.486	.377	.157	-.005	-.049	-.125

Ps 301-309	12.499	11.902	12.229	12.575	12.841	13.102	13.179	13.235	13.264
Ps 201-206	13.099	13.175	13.238	13.145	12.838	12.865			
Ps 207-212	12.603	12.651	12.686	12.665	12.609	12.541			
Ps 213-224	14.105	12.552	12.129	11.880	11.943	12.471	12.635	12.693	12.703	13.421	~~13.465~~	13.388
Ps 225-236	13.994	12.779	11.628	11.295	11.253	11.512	12.217	12.271	12.359	13.077	13.418	13.627
Ps 237-245	14.258	14.258	14.258	14.260	14.258	13.475	13.164	12.900	12.875			

Pcw = 13.060 L = .0270 Pcb = 12.626 Ptc/Pcw = 1.135 Wc = 1.68 T = 88. B = 29.90

Run 25-6 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.610~~ 0.659

Pt/Pto 131-144

.999	.998	.995	.992	.989	.987	.999	.997	.995	.992	.989	.985	.979	.981

Cp 330-344

-.138	-.410	-.671	-.514	-.309	.344	-.363	-.717	-.847	-.722	-.593	-.458	-.822	-.384	-.635

Pt/Pto 101-130

.978	.979	.967	.955	1.000	1.000	1.000	1.000	.987	.961
1.000	1.000	1.000	1.000	.999	.969	1.000	1.000	1.000	1.000
1.000	.984	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.809 Ptc/Pto = .992 K = .0451

Cp 310-320

.932	.937	.473	.250	.120	-.112	-.161	-.145	-.142	-.096	-.062

Cp 321-329

.703	.959	.804	.589	.475	.233	.022	-.060	-.161

Ps 301-309 12.392 11.847 12.088 12.429 12.724 13.079 13.150 13.209 13.243

Ps 201-206 13.083 13.159 13.221 13.131 12.822 12.848

Ps 207-212 12.583 12.631 12.665 12.645 12.591 12.523

Ps 213-224 14.246 12.712 12.252 11.946 11.976 12.442 12.631 12.681 12.690 13.405 ~~13.434~~ 13.374

Ps 225-236 13.785 12.536 11.432 11.144 11.159 11.416 12.159 12.232 12.331 13.059 13.387 13.583

Ps 237-245 14.252 14.253 14.253 14.254 14.252 13.462 13.146 12.881 12.845

Pcw = 13.044 L = .0269 Pcb = 12.606 Ptc/Pcw = 1.135 Wc = 1.68 T = 89. B = 29.90

Run 25-7 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*=~~.620~~ 0.662

Pt/Pto 131-144
.998 .996 .994 .991 .988 .986 .998 .997 .994 .992 .989 .986 .978 .980

Cp 330-344
-.081 -.503 -.720 -.525 -.326 .277 -.470 -.800 -.877 -.707 -.554 -.404 -.795 -.347 -.620

Pt/Pto 101-130
.980 .969 .953 .959 1.000 1.000 1.000 .991 .964 .962
1.000 1.000 1.000 .997 .979 .972 1.000 1.000 1.000 1.000
.934 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.782 Ptc/Pto = .990 K = .0476

Cp 310-320
.913 .957 .335 .145 .030 -.160 -.141 -.112 -.106 -.063 -.050

Cp 321-329
.309 .908 .855 .689 .577 .307 .009 -.121 -.253

Ps 301-309 12.374 11.788 11.852 12.058 12.353 13.037 13.129 13.179 13.216

Ps 201-206 13.045 13.124 13.188 13.105 12.780 12.809

Ps 207-212 12.538 12.588 12.620 12.599 12.544 12.476

Ps 213-224 14.404 12.903 12.399 12.019 12.003 12.394 12.615 12.658 12.659 13.373 13.404 13.341

Ps 225-236 13.359 12.096 11.092 10.906 11.022 11.391 12.059 12.174 12.295 13.022 13.318 13.511

Ps 237-245 14.253 14.254 14.255 14.255 14.255 13.435 13.109 12.832 12.799

Pcw = 13.009 L = .0276 Pcb = 12.561 Ptc/Pcw = 1.136 Wc = 1.68 T = 90. B = 29.91

Run 25-8 C1 I1 S1 B1 Eng 2 α=0° β=-4° m/m*= ~~.620~~ 0.660

Pt/Pto 131-144
.999 .999 .999 .996 .992 .988 .999 .999 .999 .998 .993 .989 .980 .982

Cp 330-344
~~.252~~ -.214 -.522 -.448 -.287 .435 -.187 -.547 -.715 -.652 -.555 -.475 -.857 -.382 -.669

Pt/Pto 101-130
.975 .971 .972 .964 1.000 1.000 1.000 .998 .982 .964
1.000 1.000 1.000 .999 .994 .970 1.000 1.000 1.000 1.000
1.000 .985 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.810 Ptc/Ptc = .992 K = .0360

Cp 310-320
.827 ~~.954~~ .634 .407 .264 .003 -.137 -.140 -.144 -.128 -.100

Cp 321-329
.704 .989 .805 .589 .476 .239 .052 -.004 -.092

Ps 301-309 12.329 11.626 12.097 12.492 12.783 13.066 13.152 13.195 13.236

Ps 201-206 13.076 13.157 13.211 13.124 12.812 12.837

Ps 207-212 12.573 12.623 12.658 12.637 12.578 12.511

Ps 213-224 13.927 12.324 11.919 11.704 11.794 12.415 12.561 12.631 12.654 13.397 ~~13.418~~ 13.363

Ps 225-236 13.743 12.460 11.330 11.049 11.112 11.355 12.068 12.194 12.316 13.035 13.346 13.544

Ps 237-245 14.254 14.255 14.256 14.257 14.255 13.462 13.133 12.867 12.832

Pcw = 13.036 L = .0270 Pcb = 12.597 Ptc/Pcw = 1.136 Wc = 1.68 T = 91. B = 29.90

Run 25-9 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*=~~.610~~ 0.660

Pt/Pto 131-144
.999 .998 .999 .997 .992 .988 .999 .999 .999 .998 .994 .989 .979 .981

Cp 330-344
~~.335~~ -.151 -.498 .475 -.341 .372 -.230 -.572 -.7.9 -.674 -.581 -.526 -.945 -.428 -.763

Pt/Pto 101-130
.972 .938 .976 .975 1.000 1.000 1.000 .951 .983 .971
1.000 1.000 1.000 .961 .982 .972 1.000 1.000 1.000 .977
.989 .986 1.000 1.000 1.000 .997 .999 .999 1.000 1.000

Ptc = 14.739 Ptc/Pto = .988 K = .0627

Cp 310-320
.644 .924 .547 .341 .208 -.051 -.210 -.221 -.224 -.198 -.181

Cp 321-329
.149 .929 .950 .789 .675 .417 .165 .063 -.052

Ps 301-309 11.909 11.037 11.808 12.301 12.650 12.924 12.991 13.014 13.086

Ps 201-206 12.951 13.043 13.106 13.008 12.673 12.695

Ps 207-212 12.414 12.475 12.519 12.481 12.419 12.350

Ps 213-224 13.786 12.106 11.687 11.460 11.559 12.259 12.392 12.471 12.496 13.248 13.274 13.235

Ps 225-236 13.083 11.762 10.825 10.797 11.054 11.502 11.784 11.952 12.085 12.753 13.115 13.342

Ps 237-245 14.229 14.228 14.230 14.231 14.229 13.321 12.983 12.685 12.664

Pcw = 12.913 L = .0293 Pcb = 12.443 Ptc/Pcw = 1.141 Wc = 1.70 T = 88. B = 29.90

Run 25-10 C1 I1 S1 B1 Eng 2 α=0° β=4° m/m*= ~~.610~~ 0.663 0.659

Pt/Pto 131-144
1.000 .999 .999 .996 .992 .989 .999 .999 .999 .997 .993 .988 .980 .982

Cp 330-344
~~.048~~ -.387 -.628 -.499 -.319 .439 -.184 -.546 -.719 -.654 -.558 -.470 -.855 -.393 -.649

Pt/Pto 101-130
.977 .985 .979 .957 .999 1.000 1.000 1.000 1.000 .965
1.000 1.000 1.000 1.000 1.000 .975 .999 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.838 Ptc/Pto = .994 K = .0438

Cp 310-320
.932 ~~.888~~ .665 .409 .260 -.002 -.126 -.121 -.145 -.128 -.102

Cp 321-329
.976 .866 .429 .207 .125 -.045 -.120 -.113 -.158

Ps 301-309 12.788 12.051 12.530 12.849 13.038 13.135 13.205 13.262 13.296

Ps 201-206 13.125 13.200 13.280 13.176 12.872 12.898

Ps 207-212 12.637 12.687 12.722 12.701 12.645 12.576

Ps 213-224 14.044 12.541 12.159 11.957 12.034 12.547 12.707 12.757 12.763 13.447 ~~13.450~~ 13.411

Ps 225-236 14.408 13.353 12.200 11.793 11.618 11.864 12.387 12.41- 12.468 13.113 13.458 13.697

Ps 237-245 14.262 14.262 14.263 14.264 14.264 13.494 13.191 12.934 12.897

Pcw = 13.092 L = .0275 Pcb = 12.661 Ptc/Pcw = 1.133 Wc = 1.68 T = 83. B = 29.90

Run 25-11 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m*=~~.610~~ 0.660

Pt/Pto 131-144
.999 1.000 .999 .997 .992 .989 .998 .998 .998 .996 .991 .985 .979 .981

Cp 330-344
~~-.164~~ -.566 -.750 -.588 -.404 .392 -.203 -.562 -.736 -.674 -.582 -.514 -.942 -.445 -.704

Pt/Pto 101-130
.979 .989 .988 .955 .996 .999 1.000 1.000 1.000 .968
1.000 1.000 1.000 1.000 1.000 .983 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.850 Ptc/Pto = .995 K = .0450

Cp 310-320
.881 ~~.785~~ .614 .364 .212 -.054 -.173 -.167 -.217 -.192 -.176

Cp 321-329
.851 .491 .048 -.113 -.155 -.247 -.244 -.200 -.179

Ps 301-309 13.458 12.266 12.867 13.105 13.187 13.158 13.210 13.271 13.301

Ps 201-206 13.133 13.206 13.291 13.188 12.891 12.911

Ps 207-212 12.654 12.702 12.735 12.714 12.662 12.594

Ps 213-224 14.067 12.629 12.265 12.079 12.146 12.611 12.776 12.812 12.808 13.461 ~~13.489~~ 13.421

Ps 225-236 14.689 13.887 12.754 12.285 11.987 12.212 12.523 12.547 12.576 13.138 13.482 13.732

Ps 237-245 14.243 14.242 14.243 14.245 14.243 13.505 13.202 12.949 12.914

Pcv = 13.104 L = .0269 Pcb = 12.677 Ptc/Pcv = 1.133 Wc = 1.69 T = 79. B = 29.90

Run 25-12 C1 I1 S1 B1 Eng 2 α=4° β=10° m/m*=~~.620~~ 0.663 0.656

Pt/Pto 131-144
.999 1.000 .999 .995 .991 .988 .998 .998 .997 .995 .990 .984 .979 .981

Cp 330-344
~~-.129~~ -.575 -.759 -.571 -.363 .347 -.283 -.641 -.799 -.711 -.605 -.510 -.919 -.432 -.671

Pt/Pto 101-130
.980 .989 .989 .352 .996 .999 1.000 1.000 1.000 .964
1.000 1.000 1.000 1.000 1.000 .978 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.849 Ptc/Pto = .995 K = .0477

Cp 310-320
.967 ~~.770~~ .551 .300 .152 -.096 -.174 -.158 -.193 -.161 -.134

Cp 321-329
.958 .599 .184 .005 -.047 -.155 -.175 -.147 -.148

Ps 301-309 13.097 12.249 12.783 13.039 13.153 13.159 13.216 13.286 13.315

Ps 201-206 13.139 13.214 13.300 13.193 12.900 12.919

Ps 207-212 12.660 12.710 12.741 12.721 12.670 12.602

Ps 213-224 14.204 12.775 12.384 12.154 12.201 12.612 12.796 12.828 12.820 13.467 ~~13.493~~ 13.428

Ps 225-236 14.652 13.797 12.674 12.222 11.946 12.178 12.515 12.541 12.572 13.146 13.486 13.733

Ps 237-245 14.245 14.245 14.245 14.247 14.245 13.511 13.208 12.957 12.920

Pcw = 13.111 L = .0269 Pcb = 12.684 Ptc/Pcw = 1.133 Wc = 1.69 T = 78. B = 29.91

Run 25-13 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m*=~~.610~~ 0.662

Pt/Pto 131-144
1.000 .999 .998 .995 .991 .988 .999 .999 .998 .995 .991 .987 .980 .981

Cp 330-344
~~-.061~~ -.421 -.658 -.508 -.308 .397 -.258 -.625 -.783 -.695 -.583 -.476 -.852 -.394 -.634

Pt/Pto 101-130
.979 .984 .981 .955 1.000 1.000 1.000 1.000 1.000 .963
1.000 1.000 1.000 1.000 1.000 .974 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.843 Ptc/Pto = .994 K = .0458

Cp 310-320
.981 ~~-753~~ .596 .343 .198 -.051 -.140 -.127 -.139 -.113 -.079

Cp 321-329
.999 .872 .534 .302 .213 .028 -.074 -.084 -.136

Ps 301-309 12.836 12.032 12.431 12.758 12.981 13.141 13.209 13.269 13.296

Ps 201-206 13.126 13.205 13.285 13.179 12.879 12.902

Ps 207-212 12.643 12.692 12.725 12.705 12.650 12.582

Ps 213-224 14.164 12.661 12.256 12.013 12.068 12.549 12.716 12.763 12.767 13.452 ~~13.484~~ 13.415

Ps 225-236 14.328 13.237 12.091 11.704 11.558 11.810 12.364 12.393 12.457 13.115 13.461 13.697

Ps 237-245 14.264 14.264 14.264 14.266 14.264 13.498 13.195 12.936 12.902

Pcw = 13.096 L = .0273 Pcb = 12.666 Ptc/Pcw = 1.133 Wc = 1.69 T = 77. B = 29.91

Run 25-14 C1 I1 S1 B1 Eng 2 α=4° β=-4° m/m*=~~.610~~ 0.662

Pt/Pto 131-144

.999 .999 .998 .995 .991 .988 .999 .999 .999 .996 .992 .988 .979 .981

Cp 330-344

~~.227~~ -.283 -.588 -.491 -.316 .388 -.270 -.629 -.784 -.696 -.586 -.482 -.856 -.400 -.677

Pt/Pto 101-130

.975 .966 .973 .963 1.000 1.000 1.000 .991 .982 .963
1.000 1.000 1.000 .997 .992 .968 1.000 1.000 1.000 1.000
.999 .982 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.803 Ptc/Pto = .992 K = .0370

Cp 310-320

.853 ~~.699~~ .554 .327 .188 -.068 -.172 -.170 -.171 -.139 -.107

Cp 321-329

.598 .981 .840 .639 .523 .277 .060 -.015 -.113

Ps 301-309 12.187 11.529 12.010 12.426 12.729 13.051 13.140 13.181 13.221

Ps 201-206 13.060 13.148 13.202 13.115 12.803 12.825

Ps 207-212 12.558 12.609 12.644 12.623 12.564 12.494

Ps 213-224 14.046 12.446 12.012 11.754 11.825 12.417 12.561 12.625 12.645 13.387 ~~13.417~~ 13.352

Ps 225-236 13.620 12.329 11.234 10.991 11.093 11.397 12.014 12.168 12.305 13.004 13.322 13.528

Ps 237-245 14.262 14.262 14.263 14.264 14.262 13.450 13.125 12.849 12.817

Pcw = 13.025 L = .0270 Pcb = 12.582 Ptc/Pcw = 1.136 Wc = 1.70 T = 75. B = 29.91

Run 25-15 C1 I1 S1 B1 Eng 2 α=4° β=-10° m/m*=~~.620~~ 0.661

Pt/Pto 131-144

.999	.998	.998	.995	.991	.988	.999	.999	.999	.997	.993	.988	.978	.980

Cp 330-344

~~.288~~	-.238	-.579	-.534	-.390	.333	-.304	-.647	-.795	-.709	-.604	-.523	-.930	-.444	-.768

Pt/Pto 101-130

.972	.936	.975	.979	1.000	1.000	1.000	.947	.982	.972
1.000	1.000	1.000	.958	.981	.968	1.000	1.000	1.000	.972
.986	.980	1.000	1.000	1.000	.994	.998	.998	1.000	1.000

Ptc = 14.727 Ptc/Pto = .986 K = .0650

Cp 310-320

.671	~~.680~~	.443	.256	.122	-.126	-.255	-.269	-.288	-.221	-.199

Cp 321-329

-.013	.868	.938	.807	.694	.429	.149	.027	-.101

Ps 301-309 11.747 11.062 11.793 12.275 12.630 12.920 12.986 13.009 13.083

Ps 201-206 12.947 13.042 13.109 13.010 12.679 12.697

Ps 207-212 12.416 12.479 12.529 12.484 12.421 12.352

Ps 213-224 13.928 12.263 11.817 11.548 11.622 12.271 12.414 12.482 12.503 13.246 ~~13.274~~ 13.233

Ps 225-236 12.954 11.647 10.766 10.774 11.048 11.499 11.770 11.935 12.065 12.744 13.113 13.340

Ps 237-245 14.239 14.239 14.239 14.241 14.239 13.338 12.979 12.681 12.664

Pcw = 12.914 L = .0293 Pcb = 12.447 Ptc/Pcw = 1.140 Wc = 1.71 T = 75. B = 29.91

Run 25-16 C1 I1 S1 B1 Eng 2 α=-4° β=-10° m/m*=~~.610~~ 0.661

Pt/Pto 131-144

.999	.998	.999	.998	.993	.989	.999	.999	.999	.999	.995	.991	.979	.981

Cp 330-344

~~.381~~	-.056	-.402	-.402	-.283	.417	-.137	-.477	-.655	-.615	-.540	-.511	-.942	-.397	-.741

Pt/Pto 101-130

.972	.943	.979	.972	1.000	1.000	1.000	.957	.985	.972
1.000	1.000	1.000	.969	.984	.977	1.000	1.000	1.000	.986
.992	.990	1.000	1.000	1.000	.999	1.000	1.000	1.000	1.000

Ptc = 14.767 Ptc/Pto = .989 K = .0576

Cp 310-320

.585	~~.682~~	.647	.435	.300	.033	-.152	-.168	-.169	-.172	-.152

Cp 321-329

.304	.972	.941	.755	.640	.391	.164	.084	-.017

Ps 301-309 12.118 11.189 11.893 12.379 12.715 12.983 13.058 13.078 13.142

Ps 201-206 13.003 13.097 13.153 13.052 12.736 12.758

Ps 207-212 12.482 12.539 12.581 12.546 12.487 12.420

Ps 213-224 13.652 11.992 11.614 11.441 11.562 12.307 12.435 12.518 12.551 13.306 ~~13.319~~ 13.285

Ps 225-236 13.236 11.925 10.920 10.830 11.070 11.518 11.862 12.053 12.192 12.840 13.180 13.400

Ps 237-245 14.252 14.252 14.252 14.253 14.252 13.394 13.046 12.754 12.732

Pcv = 12.968 L = .0282 Pcb = 12.509 Ptc/Pcv = 1.139 Wc = 1.71 T = 74. B = 29.91

Run 25-17 C1 I1 S1 B1 Eng 2 α=-4° β=-4° m/m*=~~.610~~ 0.662 0.658

Pt/Pto 131-144

.999	.999	.999	.998	.993	.989	.999	.999	1.000	.999	.995	.990	.981	.982

Cp 330-344

.270	-.145	-.451	-.403	-.258	.477	-.099	-.453	-.638	-.597	-.517	-.461	-.859	-.365	-.664

Pt/Pto 101-130

.974	.975	.970	.964	1.000	1.000	1.000	1.000	.980	.966
1.000	1.000	1.000	1.000	.995	.973	1.000	1.000	1.000	1.000
.999	.989	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.819 Ptc/Pto = .993 K = .0366

Cp 310-320

.753	.648	.696	.488	.348	.075	-.094	-.106	-.116	-.113	-.092

Cp 321-329

.762	.968	.736	.520	.408	.185	.022	-.013	-.082

Ps 301-309	12.467	11.738	12.213	12.589	12.857	13.096	13.177	13.221	13.262
Ps 201-206	13.102	13.186	13.239	13.153	12.847	12.870			
Ps 207-212	12.609	12.659	12.691	12.670	12.613	12.546			
Ps 213-224	13.796	12.203	11.836	11.670	11.783	12.450	12.582	12.656	12.683	13.425	13.431	13.388
Ps 225-236	13.864	12.602	11.449	11.139	11.154	11.406	12.145	12.237	12.347	13.081	13.389	13.578
Ps 237-245	14.275	14.277	14.275	14.277	14.275	13.485	13.167	12.899	12.865			

Pcw = 13.066 L = .0264 Pcb = 12.632 Ptc/Pcw = 1.134 Wc = 1.70 T = 74. B = 29.91

Run 25-18 C1 I1 S1 B1 Eng 2 α=-4° β=4° m/m*=~~.610~~ 0.664 0.659

Pt/Pto 131-144

1.000	1.000	1.000	.998	.993	.990	.999	.999	.999	.998	.994	.989	.981	.982

Cp 330-344

~~-.632~~	-.346	-.584	-.483	-.324	.485	-.087	-.448	-.637	-.598	-.516	-.458	-.857	-.384	-.656

Pt/Pto 101-130

.977	.985	.979	.958	.999	1.000	1.000	1.000	1.000	.967
1.000	1.000	1.000	1.000	1.000	.976	1.000	1.000	1.000	1.000
1.000	.995	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.845 Ptc/Pto = .994 K = .0418

Cp 310-320

.836	~~-.656~~	.704	.483	.334	.059	-.099	-.105	-.141	-.132	-.118

Cp 321-329

.928	.709	.319	.104	.029	-.119	-.181	-.155	-.178

Ps 301-309 12.903 12.107 12.651 12.947 13.096 13.146 13.216 13.272 13.303

Ps 201-206 13.134 13.214 13.292 13.190 12.886 12.909

Ps 207-212 12.650 12.700 12.733 12.712 12.657 12.590

Ps 213-224 13.910 12.411 12.060 11.904 12.002 12.569 12.709 12.763 12.771 13.459 ~~13.478~~ 13.421

Ps 225-236 14.484 13.473 12.311 11.883 11.684 11.927 12.416 12.440 12.492 13.127 13.470 13.711

Ps 237-245 14.276 14.276 14.276 14.277 14.274 13.503 13.203 12.945 12.910

Pcw = 13.104 L = .0273 Pcb = 12.674 Ptc/Pcw = 1.133 Wc = 1.69 T = 74. B = 29.91

Run 25-19 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*=~~.620~~ 0.663 0.658

Pt/Pto 131-144
.999 1.000 1.000 .998 .993 .990 .998 .998 .998 .997 .993 .987 .979 .981

Cp 330-344
~~-.609~~ -.553 -.736 -.599 -.441 .439 -.113 -.469 -.655 -.620 -.544 -.501 -.943 -.446 -.719

Pt/Pto 101-130
.978 .989 .988 .960 .997 1.000 1.000 1.000 1.000 .976
1.000 1.000 1.000 1.000 1.000 .991 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.866 Ptc/Pto = .996 K = .0406

Cp 310-320
.816 ~~-.649~~ .675 .428 .271 -.003 -.162 -.166 -.231 -.217 -.215

Cp 321-329
.776 .368 -.079 -.246 -.277 -.352 -.332 -.270 -.252

Ps 301-309 13.835 12.379 12.974 13.168 13.228 13.175 13.228 13.287 13.321

Ps 201-206 13.147 13.221 13.305 13.205 12.907 12.928

Ps 207-212 12.669 12.719 12.752 12.732 12.678 12.610

Ps 213-224 13.934 12.499 12.167 12.027 12.117 12.632 12.778 12.819 12.819 13.475 ~~13.498~~ 13.434

Ps 225-236 14.730 13.98[illegible] 12.853 12.371 12.051 12.272 12.553 12.574 12.600 13.159 13.494 13.746

Ps 237-245 14.258 14.258 14.258 14.259 14.258 13.513 13.216 12.965 12.929

Pcw = 13.119 L = .0268 Pcb = 12.693 Ptc/Pcw = 1.133 Wc = 1.70 T = 74. B = 29.91

Run 23-2 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.735, 0.730

Pt/Pto 131-144
1.000 .999 .999 .996 .992 .989 .999 .999 .999 .997 .993 .989 .979 .982

Cp 330-344
~~-.193~~ -.299 -.577 -.478 -.315 .447 -.186 -.553 -.730 -.669 -.581 -.524 -1.001 -.428 -.771

Pt/Pto 101-130
.972 .976 .964 .952 .999 1.000 1.000 1.000 .986 .957
1.000 1.000 1.000 1.000 .999 .966 1.000 1.000 1.000 1.000
1.000 .985 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.843 Ptc/Pto = .992 K = .0481

Cp 310-320
.798 ~~1.117~~ .709 .488 .336 .056 -.106 -.1 2 -.123 -.112 -.083

Cp 321-329
.794 .953 .700 .472 .358 .139 -.015 -.045 -.115

Ps 301-309 12.273 11.431 11.852 12.272 12.579 12.867 12.960 13.023 13.065

Ps 201-206 12.869 12.956 13.026 12.926 12.576 12.603

Ps 207-212 12.292 12.353 12.390 12.364 12.296 12.219

Ps 213-224 13.769 12.004 11.573 11.336 11.435 12.144 12.306 12.380 12.401 13.243 ~~13.163~~ 13.203

Ps 225-236 13.918 12.576 11.243 10.823 10.742 11.025 11.857 11.920 12.021 12.853 13.239 13.469

Ps 237-245 14.219 14.219 14.222 14.222 14.220 13.312 12.951 12.646 12.607

Pcw = 12.826 L = .0303 Pcb = 12.319 Ptc/Pcw = 1.157 Wc = 1.77 T = 95. B = 29.99

Run 23-3 C1 I1 S1 B1 Eng 2 α=-4° β=0° m/m*= ~~.677~~ 0.729

Pt/Pto 131-144
1.000 .999 1.000 .998 .993 .990 .999 .999 .999 .999 .994 .990 .980 .982

Cp 330-344
~~.154~~ -.239 -.518 -.448 -.308 .491 -.094 -.455 -.650 -.621 -.536 -.508 -.999 -.410 -.768

Pt/Pto 101-130
.972 .975 .965 .954 1.000 1.000 1.000 1.000 .989 .959
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .989 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.851 Ptc/Pto = .992 K = .0464

Cp 310-320
.697 ~~1.178~~ .794 .560 .406 .119 -.070 -.085 -.110 -.104 -.089

Cp 321-329
.869 .958 .644 .390 .280 .073 -.054 -.067 -.120

Ps 301-309 12.431 11.519 11.981 12.383 12.670 12.907 12.996 13.065 13.101

Ps 201-206 12.903 12.993 13.066 12.967 12.620 12.646

Ps 207-212 12.344 12.404 12.441 12.415 12.347 12.273

Ps 213-224 13.632 11.889 11.497 11.312 11.436 12.181 12.335 12.416 12.441 13.276 ~~13.287~~ 13.238

Ps 225-236 14.032 12.721 11.394 10.960 10.852 11.128 11.926 11.981 12.077 12.891 13.280 13.515

Ps 237-245 14.222 14.225 14.226 14.227 14.226 13.348 12.989 12.691 12.653

Pcw = 12.866 L = .0300 Pcb = 12.371 Ptc/Pcw = 1.154 Wc = 1.76 T = 95. B = 29.99

Run 23-4 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144
.999 .999 1.000 .999 .995 .991 .999 .999 1.000 1.000 .996 .992 .981 .982

Cp 330-344
~~-1.49~~ -.156 -.427 -.390 -.279 .565 .050 -.296 -.503 -.501 -.449 -.464 -.984 -.369 -.745

Pt/Pto 101-130
.971 .975 .967 .956 1.000 1.000 1.000 1.000 .994 .963
1.000 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.862 Ptc/Pto = .993 K = .0444

Cp 310-320
.520 ~~-1.199~~ .873 .672 .524 .232 -.006 -.031 -.071 -.081 -.082

Cp 321-329
.886 .851 .494 .250 .148 -.040 -.148 -.138 -.156

Ps 301-309 12.618 11.604 12.144 12.544 12.797 12.936 13.028 13.090 13.128

Ps 201-206 12.938 13.021 13.095 12.995 12.651 12.677

Ps 207-212 12.380 12.438 12.476 12.449 12.384 12.307

Ps 213-224 13.372 11.667 11.342 11.244 11.401 12.207 12.355 12.441 12.469 13.299 ~~13.320~~ 13.258

Ps 225-236 14.171 12.915 11.585 11.128 10.980 11.250 11.998 12.041 12.129 12.918 13.308 13.554

Ps 237-245 14.239 14.235 14.240 14.241 14.240 13.370 13.016 12.720 12.682

Pcw = 12.896 L = .0299 Pcb = 12.406 Ptc/Pcw = 1.152 Wc = 1.75 T = 96. B = 29.99

sms

Run 23-5 C1 11 S1 B1 Eng 2 α=-20° β=0° m/m = ~~.677~~ 0.733

Pt/Pto 131-144
1.000 .999 1.000 1.000 .998 .994 1.000 1.000 1.000 1.000 .999 .994 .981 .982

Cp 330-344
~~-.114~~ -.020 -.250 -.247 -.221 .701 .311 .006 -.212 -.260 -.251 -.351 -.953 -.261 -.698

Pt/Pto 101-130
.968 .976 .963 .959 1.000 1.000 1.000 1.000 .998 .972
1.000 1.000 1.000 1.000 1.000 .984 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.873 Ptc/Pto = .994 K = .0415

Cp 310-320
-.053 1.156 .993 .852 .749 .494 .149 .103 .033 .003 -.029

Cp 321-329
.817 .697 .296 .032 -.060 -.236 -.331 -.388 -.273

Ps 301-309 12.963 11.654 12.327 12.722 12.909 12.934 13.019 13.004 13.128

Ps 201-206 12.931 13.015 13.009 12.989 12.640 12.666

Ps 207-212 12.369 12.427 12.465 12.441 12.372 12.296

Ps 213-224 12.777 11.156 10.963 11.015 11.213 12.193 12.314 12.413 12.458 13.297 ~~13.323~~ 13.250

Ps 225-236 14.281 13.092 11.753 11.258 11.063 11.326 12.020 12.057 12.136 12.914 13.309 13.568

Ps 237-245 14.251 14.252 14.253 14.254 14.253 13.365 13.009 12.713 12.682

Pcw = 12.890 L = .0309 Pcb = 12.395 Ptc/Pcw = 1.154 Mc = 1.75 T = 91. B = 29.99

Run 23-6 C1 I1 S1 B1 Eng α=4° β=0° m/m~~=.677~~ 0.730

Ft/Fto 131-144
.999 .999 .998 .995 .991 .987 .999 .999 .998 .995 .991 .987 .978 .981

Cp 330-344
~~-.145~~ -.346 -.627 -.503 -.324 -.404 -.264 -.632 -.795 -.710 -.604 -.528 -.991 -.434 -.759

Pt/Pto 101-130
.973 .976 .964 .954 1.000 1.000 1.000 1.000 .983 .956
1.000 1.000 1.000 1.000 .999 .964 1.000 1.000 1.000 1.000
1.000 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ftc = 14.839 Ftc/Fto = .991 K = .0485

Cp 310-320
.852 ~~1.134~~ .653 .416 .266 -.004 -.129 -.126 -.132 -.109 -.075

Cp 321-329
.733 .959 .764 .541 .426 .193 .015 -.035 -.116

Ps 301-309 12.167 11.392 11.771 12.195 12.522 12.869 12.965 13.028 13.068

Ps 201-206 12.875 12.963 13.035 12.933 12.587 12.611

Ps 207-212 12.303 12.361 12.400 12.375 12.307 12.231

Ps 213-224 13.908 12.145 11.682 11.400 11.475 12.140 12.314 12.387 12.407 13.250 ~~13.285~~ 13.209

Ps 225-236 13.808 12.438 11.133 10.740 10.697 10.980 11.832 11.908 12.021 12.858 13.232 13.453

Ps 237-245 14.217 14.215 14.217 14.213 14.217 13.320 12.955 12.653 12.612

Pcw = 12.634 L = .0302 Pcb = 12.329 Ptc/Pcw = 1.155 Wc = 1.78 T = 87. B = 29.99

Run 23-7 C1 I1 S1 B1 Eng α=10° β=0° m/m*=.~~677~~ 0.732

Pt/Pto 131-144

.999	.998	.995	.992	.989	.986	.998	.998	.995	.992	.989	.985	.977	.980

Cp 330-344

~~.131~~	-.415	-.679	-.528	-.334	.341	-.365	-.729	-.858	-.740	-.613	-.512	-.964	-.428	-.742

Pt/Pto 101-130

.974	.973	.963	.952	1.000	1.000	1.000	.998	.981	.956
1.000	1.000	1.000	1.000	.996	.961	1.000	1.000	1.000	1.000
1.000	.977	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.831 Ptc/Pto = .991 K = .0483

Cp 310-320

.906	~~1.109~~	.545	.321	.179	-.070	-.147	-.135	-.134	-.093	-.060

Cp 321-329

.585	.990	.840	.629	.512	.261	.036	-.049	-.164

Ps 301-309	11.989	11.261	11.653	12.068	12.412	12.858	12.962	13.020	13.061			
Ps 201-206	12.868	12.954	13.027	12.927	12.576	12.603						
Ps 207-212	12.295	12.352	12.391	12.366	12.301	12.223						
Ps 213-224	14.077	12.328	11.823	11.479	11.521	12.139	12.316	12.384	12.400	13.239	~~13.271~~	13.201
Ps 225-236	13.592	12.202	10.943	10.607	10.635	10.954	11.764	11.878	12.006	12.838	13.202	13.421
Ps 237-245	14.213	14.214	14.214	14.215	14.214	13.314	12.946	12.642	12.603			

Pcw = 12.826 L = .0303 Pcb = 12.321 Ptc/Pcw = 1.156 Wc = 1.78 T = 85. B = 29.99

Run 23-8 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m'= ~~.677~~ 0.730

Pt/Pto 131-144
.998 .996 .994 .991 .988 .986 .998 .997 .994 .992 .989 .985 .977 .980

Cp 330-344
~~-.074~~ -.506 -.729 -.539 -.352 .277 -.476 -.806 -.889 -.723 -.573 -.457 -.941 -.391 -.728

Pt/Pto 101-130
.976 .954 .949 .955 1.000 1.000 1.000 .977 .960 .957
1.000 1.000 1.000 .989 .977 .966 1.000 1.000 1.000 .998
.994 .987 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.788 Ptc/Pto = .988 K = .0519

Cp 310-320
.907 ~~1.088~~ .436 .216 .093 -.115 -.128 -.108 -.095 -.059 -.048

Cp 321-329
.159 .876 .890 .721 .605 .329 .024 -.116 -.248

Ps 301-309 11.979 11.279 11.365 11.627 11.983 12.801 12.903 12.961 12.999

Ps 201-206 12.803 12.897 12.973 12.876 12.511 12.535

Ps 207-212 12.217 12.271 12.319 12.286 12.222 12.146

Ps 213-224 14.251 12.531 11.978 11.551 11.541 12.068 12.286 12.342 12.349 13.179 ~~13.286~~ 13.143

Ps 225-236 13.138 11.753 10.625 10.420 10.567 11.034 11.630 11.807 11.957 12.740 13.094 13.324

Ps 237-245 14.208 14.208 14.209 14.211 14.209 13.262 12.879 12.561 12.527

Pcw = 12.766 L = .0312 Pcb = 12.244 Ptc/Pcw = 1.158 Wc = 1.78 T = 83. B = 29.99

Run 23-9 C1 I1 S1 B1 Eng ∠ α=0° β=-4° m/m*=.677 0.730

Pt/Pto 131-144

.999	.999	.999	.996	.992	.988	.999	.999	.999	.998	.993	.989	.979	.981

Cp 330-344

~~-.242~~	-.218	-.529	-.464	-.312	.431	-.192	-.552	-.730	-.668	-.575	-.538	-1.001	-.426	-.780

Pt/Pto 101-130

.971	.961	.971	.961	1.000	1.000	1.000	.990	.978	.960
1.000	1.000	1.000	.998	.990	.962	1.000	1.000	1.000	1.000
.999	.978	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.824 Ptc/Pto = .990 K = .0398

Cp 310-320

.709	1.057	.674	.463	.316	.042	-.126	-.132	-.136	-.126	-.098

Cp 321-329

.555	.978	.832	.630	.510	.268	.068	.006	-.086

Ps 301-309 11.980 11.050 11.694 12.164 12.502 12.854 12.961 13.005 13.050

Ps 201-206 12.865 12.962 13.026 12.927 12.582 12.603

Ps 207-212 12.293 12.354 12.395 12.368 12.298 12.223

Ps 213-224 13.729 11.934 11.495 11.250 11.354 12.116 12.262 12.348 12.377 13.235 13.245 13.195

Ps 225-236 13.556 12.150 10.881 10.557 10.645 10.946 11.693 11.863 12.015 12.809 13.162 13.391

Ps 237-245 14.224 14.225 14.225 14.226 14.225 13.318 12.939 12.632 12.598

Pcw = 12.828 L = .0299 Pcb = 12.322 Ptc/Pcw = 1.156 Wc = 1.78 T = 82. B = 29.99

Run 23-10 C1 I1 S1 B Eng 2 α=0° β=-10° m/m*= ~~.677~~ 0.734 , 0.729

Pt/Pto 131-144

.999	.998	.999	.997	.992	.988	.999	.999	.999	.999	.994	.989	.978	.980

Cp 330-344

~~.367~~	-.154	-.509	-.489	-.369	.377	-.236	-.586	-.755	-.693	-.605	-.579	-1.087	-.473	-.878

Pt/Pto 101-130

.969	.929	.973	.972	1.000	1.000	1.000	.942	.980	.967
1.000	1.000	1.000	.954	.979	.969	1.000	1.000	1.000	.971
.986	.985	1.000	1.000	1.000	.995	.999	1.000	1.000	1.000

Ptc = 14.751 Ptc/Pto = .986 K = .0721

Cp 310-320

.550	~~1.041~~	.608	.390	.252	-.021	-.201	-.214	-.220	-.137	-.178

Cp 321-329

-.018	.920	.996	.821	.709	.446	.182	.076	-.045

Ps 301-309 11.683 14.613 11.398 11.973 12.404 12.719 12.801 12.825 12.907

Ps 201-206 12.754 12.859 12.932 12.824 12.455 12.474

Ps 207-212 12.150 12.223 12.281 12.224 12.155 12.078

Ps 213-224 13.609 11.761 11.313 11.056 11.161 11.384 12.125 12.212 12.241 13.084 ~~13.130~~ 13.073

Ps 225-236 12.890 11.470 10.420 10.380 10.666 11.173 11.480 11.663 11.806 12.521 12.929 13.187

Ps 237-245 14.201 14.201 14.203 14.205 14.203 13.181 12.791 12.453 12.438

Pcw = 12.716 L = .0323 Pcb = 12.185 Ptc/Pcw = 1.160 Wc = 1.79 T = 81. B = 29.99

252

Run 23-11 C1 I1 S1 B1 Eng 2 α-0° β-4° m/m*= ~~.677~~ 0.728, 0.732

Pt/Pto 131-144
1.000 .999 .999 .996 .992 .989 .999 .999 .999 .997 .993 .988 .979 .981

Cp 330-344
~~.042~~ -.389 -.634 -.510 -.336 .438 -.184 -.552 -.733 -.669 -.578 -.525 -1.001 -.437 -.755

Pt/Pto 101-130
.974 .981 .972 .950 1.000 1.000 1.000 1.000 1.000 .959
1.000 1.000 1.000 1.000 1.000 .971 1.000 1.000 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.868 Ptc/Pto = .993 K = .0505

Cp 310-320
.864 ~~1.071~~ .745 .478 .322 .041 -.111 -.116 -.138 -.124 -.101

Cp 321-329
.952 .886 .529 .272 .177 -.003 -.101 -.099 -.149

Ps 301-309 12.608 11.653 12.127 12.506 12.763 12.930 13.013 13.083 13.112

Ps 201-206 12.914 13.000 13.097 12.977 12.636 12.653

Ps 207-212 12.358 12.416 12.454 12.428 12.364 12.287

Ps 213-224 13.844 13.150 11.737 11.511 11.602 12.258 12.412 12.475 12.487 13.290 ~~13.313~~ 13.246

Ps 225-236 14.270 13.064 11.754 11.289 11.102 11.385 12.039 12.070 12.143 12.905 13.301 13.567

Ps 237-245 14.225 14.226 14.227 14.228 14.227 13.349 12.998 12.703 12.664

Pcw = 12.881 L = .0310 Pcb = 12.384 Ptc/Pcw = 1.154 Wc = 1.78 T = 80. B = 29.99

Run 23-12 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m'=~~.677~~ 0.735 , 0.731

Pt/Pto 131-144
.999 .999 .999 .997 .998 .998 .998 .998 .998 .996 .991 .985 .978 .981

Cp 330-344
~~-.165~~ -.568 -.755 -.596 -.417 .390 -.205 -.568 -.746 -.686 -.596 -.554 -1.054 -.476 -.783

Ft/Pto 101-130
.976 .987 .987 .950 .997 1.000 1.000 1.000 1.000 .962
1.000 1.000 1.000 1.000 1.000 .977 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.883 Ptc/Pto = .994 K = .0507

Cp 310-320
.859 ~~1.044~~ .700 .423 .260 -.019 -.159 -.158 -.209 -.189 -.176

Cp 321-329
.934 .603 .159 -.051 -.106 -.219 -.228 -.189 -.174

Ps 301-309 13.060 11.923 12.555 12.864 12.991 12.990 13.056 13.131 13.168

Ps 201-206 12.959 13.041 13.142 13.025 12.696 12.714

Ps 207-212 12.421 12.477 12.514 12.489 12.428 12.352

Ps 213-224 13.922 12.328 11.938 11.733 11.812 12.384 12.543 12.588 12.587 13.333 ~~13.352~~ 13.282

Ps 225-236 14.637 13.677 12.435 11.914 11.591 11.838 12.254 12.276 12.310 12.973 13.354 13.631

Ps 237-245 14.220 14.220 14.222 14.223 14.220 13.382 13.045 12.761 12.720

Pcw = 12.930 L = .0300 Pcb = 12.447 Ptc/Pcw = 1.151 Wc = 1.77 T = 79. B = 29.99

Run 23-13 C1 I1 S1 B1 Eng 2 α=4° β=10° m/m' ~~.697~~ 0.732

Pt/Pto 131-144
.999 .999 .999 .996 .991 .988 .998 .998 .997 .995 .990 .983 .976 .979

Cp 330-344
~~-.134~~ -.586 -.774 -.593 -.338 .339 -.296 -.662 -.825 -.745 -.645 -.611 -1.183 -.506 -.852

Pt/Pto 101-130
.973 .984 .984 .941 .996 .999 1.000 1.000 1.000 .952
1.000 1.000 1.000 1.000 1.000 .967 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.821 Ptc/Pto = .993 K = .0591

Cp 310-320
.850 ~~-.837~~ .683 .418 .259 -.021 -.151 -.146 -.180 -.161 -.135

Cp 321-329
.973 .757 .357 .125 .049 -.096 -.145 -.126 -.140

Ps 301-309 12.486 11.337 11.932 12.338 12.567 12.658 12.743 12.826 12.868

Ps 201-206 12.629 12.732 12.837 12.698 12.323 12.355

Ps 207-212 12.009 12.075 12.117 12.082 12.011 11.924

Ps 213-224 13.772 12.001 11.531 11.255 11.317 11.975 12.145 12.195 12.192 13.063 ~~13.064~~ 13.005

Ps 225-236 14.389 13.227 11.817 11.240 10.911 11.213 11.780 11.799 11.852 12.648 13.083 13.391

Ps 237-245 14.106 14.107 14.106 14.107 14.107 13.113 12.738 12.413 12.368

Pcw = 12.596 L = .0347 Pcb = 12.036 Ptc/Pcw = 1.177 Wc = 1.88 T = 71. B = 29.91

Run 23-14 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

.999 .999 .998 .995 .991 .987 .999 .999 .998 .995 .991 .986 .977 .980

Cp 330-344

~~-.054~~ -.430 -.674 -.535 -.346 .387 -.274 -.644 -.808 -.728 -.622 -.569 -1.099 -.470 -.824

Pt/Pto 101-130

.971 .977 .968 .940 .999 1.000 1.000 1.000 .999 .950
1.000 1.000 1.000 1.000 1.000 .961 1.000 1.000 1.000 1.000
1.000 .983 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.799 Ptc/Pto = .991 K = .0599

Cp 310-320

.840 ~~.818~~ .699 .452 .295 .015 -.119 -.116 -.133 -.112 -.083

Cp 321-329

.858 .928 .655 .402 .296 .088 -.047 -.069 -.133

Ps 301-309 12.137 11.228 11.584 12.009 12.341 12.632 12.728 12.807 12.841

Ps 201-206 12.618 12.719 12.823 12.683 12.302 12.337

Ps 207-212 11.988 12.056 12.098 12.062 11.991 11.904

Ps 213-224 13.737 11.891 11.399 11.100 11.171 11.892 12.059 12.126 12.137 13.046 ~~16.318~~ 12.995

Ps 225-236 13.967 12.604 11.157 10.649 10.477 10.807 11.600 11.642 11.734 12.616 13.057 13.348

Ps 237-245 14.130 14.130 14.131 14.132 14.130 13.100 12.724 12.392 12.347

Pcw = 12.580 L = .0352 Pcb = 12.017 Ptc/Pcw = 1.176 Wc = 1.87 T = 73. B = 29.91

Run 23-15 C1 I1 S1 B1 Eng 2 α=4° β=-4° m/m*=~~.677~~ 0.735 , 0.727

Pt/Pto 131-144
.999 .999 .998 .995 .991 .987 .999 .999 .999 .996 .992 .988 .977 .980

Cp 330-344
~~-.429~~ -.294 -.606 -.517 -.361 .381 -.282 -.646 -.809 -.725 -.623 -.585 -1.102 -.481 -.881

Pt/Pto 101-130
.968 .947 .971 .957 1.000 1.000 1.000 .975 .977 .955
1.000 1.000 1.000 .991 .986 .954 1.000 1.000 1.000 .999
.999 .969 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.745 Ptc/Pto = .988 K = .0534

Cp 310-320
.677 ~~.849~~ .655 .424 .274 -.001 -.155 -.159 -.163 -.138 -.110

Cp 321-329
.321 .972 .906 .705 .573 .321 .085 -.001 -.105

Ps 301-309 11.439 14.321 12.107 11.694 12.104 12.482 12.598 12.634 12.688

Ps 201-206 12.473 12.588 12.660 12.539 12.136 12.171

Ps 207-212 11.799 11.872 11.924 11.885 11.799 11.712

Ps 213-224 13.590 11.621 11.092 10.754 10.827 11.669 11.829 11.914 11.936 12.906 ~~12.957~~ 12.857

Ps 225-236 13.155 11.622 10.238 9.898 10.029 10.432 11.112 11.342 11.526 12.331 12.805 13.068

Ps 237-245 14.119 14.119 14.120 14.119 14.120 12.976 12.570 12.207 12.168

Pcw = 12.428 L = .0355 Pcb = 11.832 Ptc/Pcw = 1.186 Wc = 1.90 T = 75. B = 29.90

Run 23-16 C1 I1 S1 B1 Eng 2 α=4° β=-10° m/m* = ~~.677~~ 0.730

Pt/Pto 131-144
.999 .998 .998 .996 1.117 .987 .999 .999 .999 .997 .993 .988 .976 .979

Cp 330-344
~~.284~~ -.252 -.600 -.566 -.443 .326 -.319 -.667 -.823 -.745 -.645 -.622 -1.190 -.530 -1.035

Pt/Pto 101-130
1.195 1.031 1.152 1.090 1.134 1.134 1.134 1.561 1.075 1.188
1.134 1.133 1.134 1.435 1.096 1.150 1.133 1.134 1.133 1.136
1.035 1.073 1.134 1.134 1.133 1.053 1.100 1.113 1.134 1.133

Ptc = 17.187 Ptc/Pto = 1.152 K = .4597

Cp 310-320
4.728 ~~6.857~~ 5.302 .339 .300 -.070 -.241 -.262 -.262 -.223 -.205

Cp 321-329
3.977 7.621 9.367 .849 .740 .468 .171 .039 -.095

Ps 301-309 17.054 15.173 15.500 17.423 18.410 14.787 18.104 17.935 16.276

Ps 201-206 17.610 16.323 15.490 16.834 15.933 15.615

Ps 207-212 15.543 18.616 17.876 14.704 15.585 15.261

Ps 213-224 16.756 16.292 16.558 14.453 17.429 15.459 19.120 19.337 17.148 13.643 ~~18.393~~ 12.653

Ps 225-236 18.347 16.107 16.628 17.382 9.840 14.216 15.065 12.080 17.304 14.856 19.024 19.597

Ps 237-245 14.810 18.660 18.555 18.399 18.608 15.806 18.347 16.107 17.304

Pcw = 16.301 L = .1134 Pcb = 16.264 Ptc/Pcw 1.054 Me = 1.35 T = 78. B = 29.90

Run 23-17 C1 I1 S1 B1 Eng R α -4° β -10° m/m* ~~.777~~ 0.729

Pt/Pto 131-144
.999 .998 .999 .998 .993 .989 .999 .999 .999 .999 .995 .990 .977 .980

Cp 330-344
~~.373~~ -.069 -.424 -.428 -.333 .411 -.153 -.495 -.679 -.647 -.578 -.606 -1.195 -.479 -.950

Pt/Pto 101-130
.964 .920 .972 .995 1.000 1.000 1.000 .938 .979 .990
1.000 1.000 1.000 .989 .977 .970 1.000 1.000 1.000 .971
.986 .989 1.000 1.000 1.000 .996 .999 1.000 1.000 1.000

Ptc = 14.[illegible] Ptc/Pto .934 K = .0[illegible]

Cp 310-320
.283 ~~.897~~ .699 .504 .393 .082 -.134 -.159 -.164 -.170 -.154

Cp 321-329
-.075 .893 .9[illegible] .808 .692 .435 .1[illegible] .099 -.[illegible]

Ps 301-309 11.528 14.[illegible] 10.064 11.544 12.040 12.337 12.426 12.448 12.546

Ps 201-206 12.3[illegible] 12.493 12.5[illegible]7 12.442 12.015 12.046

Ps 207-212 11.659 11.745 11.811 11.739 11.657 11.570

Ps 213-224 13.130 11.0[illegible] 10.624 10.3[illegible] 10.495 11.509 11.[illegible] 11.704 11.796 12.757 ~~1[illegible].775~~ 12.740

Ps 225-236 12.719 11.1[illegible] 9.893 9.7[illegible]4 10.093 10.[illegible] 10.993 11.[illegible] 11.364 12.115 12.577 12.860

Ps 237-245 14.091 14.092 14.092 14.095 14.093 12.872 12.425 12.03[illegible] 12.016

Pcw = 12.322 L = .0376 Pco = 11.697 Ptc/Pcw = 1.192 Wc = 1.90 T = 80. B = 29.90

Run 23-16 C1 I1 S1 S1 Eng 2 α=-4° β=-4° m/m*= ~~.677~~ .736

Pt/Pto 131-144
.999 .999 .999 .998 .993 .989 .999 .999 .999 .999 .995 .990 .978 .981

Cp 330-344
~~.162~~ -.159 -.470 -.428 -.306 .469 -.114 -.472 -.664 -.630 -.558 -.560 -1.124 -.448 -.877

Pt/Pto 101-130
.966 .957 .969 .956 1.000 1.000 1.000 .993 .976 .957
1.000 1.000 1.000 .999 .990 .992 1.000 1.000 1.000 1.000
.999 .981 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.777 Ptc/Pto = .990 K = .0446

Cp 310-320
.491 ~~.921~~ .802 .573 .431 .138 -.077 -.094 -.110 -.111 -.093

Cp 321-329
.539 .991 .842 .603 .480 .237 .050 -.000 -.073

Ps 301-309 11.816 14.559 11.238 11.769 12.146 12.496 12.603 12.647 12.703

Ps 201-206 12.480 12.593 12.660 12.545 12.142 12.176

Ps 207-212 11.806 11.879 11.929 11.888 11.805 11.717

Ps 213-224 13.250 11.273 10.810 10.572 10.696 11.037 11.799 11.896 11.930 12.920 ~~10.937~~ 12.869

Ps 225-236 13.399 11.873 10.387 9.940 9.971 10.299 11.190 11.364 11.529 12.447 12.842 13.100

Ps 237-245 14.114 14.115 14.115 14.117 14.115 12.990 12.586 12.223 12.180

Pcv = 12.433 L = .0350 Pcb = 11.837 Ptc/Pcv = 1.189 Wc = 1.90 T = 81. B = 29.90

Run 23-19 C1 I1 S1 B1 Eng 2 α=-4° β=4° m/m* = ~~.677~~ 0.735 , 0.730

Pt/Pto 131-144

1.000	.999	1.000	.998	.993	.983	.999	.999	.999	.998	.994	.983	.979	.981

Cp 330-344

~~.824~~	-.359	-.604	-.509	-.360	.477	-.105	-.468	-.665	-.630	-.557	-.553	-1.110	-.461	-.849

Pt/Pto 101-130

.970	.978	.964	.944	.999	1.000	1.000	1.000	.999	.954
1.000	1.000	1.000	1.000	1.000	.969	1.000	1.000	1.000	1.000
1.000	.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.807 Ptc/Pto = .992 K = .0560

Cp 310-320

.638	~~.933~~	.774	.582	.423	.125	-.080	-.092	-.135	-.131	-.123

Cp 321-329

.915	.836	.453	.212	.116	-.062	-.155	-.139	-.170

Ps 301-309 12.339 11.227 11.755 12.192 12.476 12.629 12.714 12.787 12.829

Ps 201-206 12.603 12.701 12.802 12.666 12.277 12.313

Ps 207-212 11.964 12.032 12.073 12.041 11.965 11.879

Ps 213-224 13.418 11.581 11.155 10.955 11.071 11.875 12.034 12.105 12.119 13.031 ~~13.062~~ 12.979

Ps 225-236 14.159 12.855 11.393 10.835 10.591 10.898 11.641 11.666 11.747 12.605 13.047 13.344

Ps 237-245 14.125 14.126 14.126 14.128 14.127 13.083 12.707 12.374 12.327

Pcw = 12.560 L = .0355 Pcb = 1 .992 Ptc/Pcw = 1.179 Wc = 1.86 T = 83. B = 29.90

Run 23-20 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*=~~.677~~ 0.732, 0.727

Pt/Pto 131-144
.999 1.000 1.000 .998 .994 .990 .998 .998 .998 .997 .993 .986 .978 .980

Cp 330-344
~~-.516~~ -.563 -.754 -.622 -.468 .433 -.126 -.487 -.682 -.650 -.581 -.592 -1.182 -.516 -.896

Pt/Pto 101-130
.971 .983 .983 .944 .996 .999 1.000 1.000 1.000 .957
1.000 1.000 1.000 1.000 1.000 .975 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.825 Ptc/Pto = .993 K = .0560

Cp 310-320
.630 .948 .754 .532 .363 .063 -.143 -.155 -.222 -.215 -.216

Cp 321-329
.877 .555 .084 -.121 -.179 -.293 -.301 -.251 -.242

Ps 301-309 12.935 11.438 12.175 12.542 12.692 12.676 12.749 12.823 12.862

Ps 201-306 12.636 12.732 12.837 12.706 12.325 12.358

Ps 207-212 12.013 12.079 12.120 12.088 12.015 11.930

Ps 213-224 13.468 11.717 11.322 11.144 11.252 11.982 12.143 12.200 12.201 13.064 ~~13.094~~ 13.010

Ps 225-236 14.527 13.473 12.062 11.453 11.070 11.352 11.836 11.853 11.896 12.659 13.092 13.402

Ps 237-245 14.108 14.108 14.108 14.109 14.108 13.113 12.743 12.419 12.374

Pcw = 12.599 L = .0345 Pcb = 12.041 Ptc/Pcw = 1.177 Wc = 1.86 T = 84. B = 29.90

Run 23-21 C1 I1 S1 B1 Eng 2 α-0° β=0° m/m*= ~~.671~~ 0.734

Pt/Pto 131-144

.999	.999	.999	.996	.992	.988	.999	.999	.999	.997	.993	.988	.978	.981

Cp 330-344

~~-.151~~	-.300	-.582	-.488	-.330	.439	-.189	-.556	-.739	-.681	-.591	-.561	-1.092	-.458	-.847

Pt/Pto 101-130

.969	.973	.959	.949	.999	1.000	1.000	1.000	.980	.953
1.000	1.000	1.000	1.000	.998	.962	1.000	1.000	1.000	1.000
1.000	.983	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.784 Ptc/Pto = .991 K = .0520

Cp 310-320

.699	~~.946~~	.757	.519	.364	.074	-.101	-.107	-.125	-.113	-.087

Cp 321-329

.743	.977	.735	.493	.378	.151	-.009	-.043	-.114

Ps 301-309 11.956 10.949 11.434 11.911 12.261 12.586 12.687 12.756 12.802

Ps 201-206 12.578 12.676 12.754 12.638 12.246 12.281

Ps 207-212 11.931 11.997 12.041 12.006 11.928 11.843

Ps 213-224 13.523 11.621 11.144 10.878 10.976 11.794 11.958 12.040 12.060 13.004 ~~13.041~~ 12.954

Ps 225-236 13.719 12.270 10.801 10.320 10.215 10.523 11.458 11.531 1..648 12.577 12.990 13.236

Ps 237-245 14.120 14.121 14.121 14.124 14.121 13.065 12.679 12.337 12.292

Pcw = 12.529 L = .0344 Pcb = 11.958 Ptc/Pcw = 1.180 Wc = 1.86 T = 85. B = 29.90

Run 24-2 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m = ~~.711~~ 0.813 , 0.820

Pt/Pto 131-144

.999	.999	.999	.997	.992	.988	.999	.999	.999	.997	.993	.988	.976	.980

Cp 330-344

~~.144~~	-.305	-.592	-.505	-.366	.436	-.195	-.566	-.757	-.704	-.623	-.650	-1.355	-.530 -1.037

Pt/Pto 101-130

.960	.959	.955	.943	.999	1.000	1.000	.999	.969	.944
1.000	1.000	1.000	1.000	.993	.945	.999	1.000	1.000	1.000
1.000	.968	1.000	1.000	1.000	.999	1.000	.999	1.000	1.000

Pte = 14.779 Pte/Pto = .988 K = .0576

Cp 310-320

.416	~~.869~~	.836	.606	.445	.139	-.076	-.091	-.113	-.109	-.083

Cp 321-329

.518	.978	.814	.570	.445	.200	.017	-.024	-.102

Ps 301-309	11.307	13.690	14.496	11.125	11.[illegible]01	12.054	12.210	12.285	12.338	
Ps 201-206	12.041	12.178	12.275	12.134	11.656	11.693				
Ps 207-212	11.228	11.318	11.379	11.330	11.213	11.109				
Ps 213-224	13.084	10.809	10.264	9.844	9.920	11.012	11.243	11.355	11.387	12.596 ~~12.[illegible]~~ 12.525
Ps 225-236	13.360	11.[illegible]	9.889	n.g.	n.g.	n.g.	10.599	10.750	10.923	12.062 12.536 12.827
Ps 237-245	14.010	14.009	14.014	14.012	14.013	12.[illegible]82	12.204	11.770	11.719	

Pcw = 11.996 L = .0419 Pcb = 11.263 Pte/Pcw = 1.232 We = 2.04 T = 77. B = 29.99

Run 24-3 Cl Il Sl Bl Eng 2 α =-4° β =0° m/m* ~~.721~~ 0.815 , 0.819

Pt/Pto 131-144

.999 .999 .999 .998 .993 .989 .999 .999 .999 .999 .994 .989 .977 .980

Cp 330-344

~~-.147~~ -.251 -.538 -.473 -.352 .481 -.108 -.475 -.678 -.649 -.581 -.635 -1.354 -.511 -1.035

Pt/Pto 101-130

.960 .962 .953 .943 .999 1.000 1.000 1.000 .968 .945
1.000 1.000 1.000 1.000 .994 .951 1.000 1.000 1.000 1.000
1.000 .977 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.789 Ptc/Pto = .988 K = .0578

Cp 310-320

.279 ~~.898~~ .876 .670 .513 .202 -.044 -.066 -.098 -.102 -.090

Cp321-329

.610 .960 .743 .489 .373 .128 -.023 -.052 -.106

Ps 301-309 11.512 13.857 14.594 11.203 11.661 12.076 12.218 12.296 12.355

Ps 201-206 12.054 12.192 12.287 12.146 11.667 11.708

Ps 207-212 11.244 11.344 11.394 11.344 11.229 11.128

Ps 213-224 12.911 10.647 10.144 9.781 9.893 11.035 11.254 11.369 11.404 12.611 ~~12.598~~ 12.537

Ps 225-236 13.484 11.822 10.010 n.g. n.g. n.g. 10.662 10.774 10.937 12.088 12.561 12.855

Ps 237-245 14.017 14.016 14.019 14.021 14.019 12.692 12.219 11.788 11.738

Pcw = 12.009 L = .0419 Pcb = 11.279 Ptc/Pcw = 1.231 Wc = 2.03 T = 79. B = 29.99

Run 24-4 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m ~~.711~~ 0.819

Pt/Pto 131-144

.999	.999	1.000	.999	.995	.991	.999	.999	.999	.999	.996	.991	.977	.981	

Cp 330-344

~~.141~~	-.167	-.444	-.416	-.322	.559	.036	-.315	-.531	-.542	-.499	-.592	-1.340	-.471	-1.015

Pt/Pto 101-130

.959	.962	.949	.944	.999	1.000	1.000	1.000	.969	.949
1.000	1.000	1.000	1.000	.996	.960	1.000	1.000	1.000	1.000
1.000	.987	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.802 Ptc/Pto = .989 K = .0567

Cp 310-320

-.004	~~.936~~	.941	.768	.620	.307	.020	-.012	-.060	-.076	-.082

Cp 321-329

.679	.914	.630	.370	.250	.028	-.109	-.113	-.139

Ps 301-309	11.791	14.085	10.774	11.352	11.790	12.151	12.266	12.345	1[illegible].405			
Ps 201-206	12.108	12.240	12.337	12.198	11.725	11.764						
Ps 207-212	11.312	11.401	11.456	11.401	11.298	11.198						
Ps 213-224	12.604	10.396	9.973	9.719	9.879	11.093	11.301	11.417	11.458	12.655	~~10.667~~	12.580
Ps 225-236	13.642	12.022	10.213	n.g.	n.g.	n.g.	10.779	10.858	11.001	12.144	12.641	12.928
Ps 237-245	14.030	14.032	14.031	14.034	14.031	12.736	12.269	11.845	1[illegible].793			

Pcw = 12.062 L = .0413 Pcb = 11.344 Ptc/Pcw = 1.227 Wc = 2.02 T = 81. B = 29.99

Run 24-5 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= ~~.721~~ 0.820

Pt/Pto 131-144

.999 .999 1.000 1.000 .997 .993 .999 .999 .999 1.000 .999 .994 .978 .981

Cp 330-344

~~.105~~ -.037 -.261 -.289 -.257 .691 .299 -.009 -.237 -.291 -.292 -.468 -1.279 -.352 -.948

Pt/Pto 101-130

.954 .961 .948 .944 .999 1.000 1.000 1.000 .978 .955
1.000 1.000 1.000 1.000 .999 .971 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.815 Ptc/Pto = .990 K = .0562

Cp 310-320

-.743 ~~.951~~ .938 .907 .792 .514 .174 .119 .043 .005 -.029

Cp 321-329

.637 .761 .416 .142 .029 -.177 -.300 -.271 -.261

Ps 301-309 12.215 14.265 10.988 11.578 11.387 12.172 12.294 12.379 12.438

Ps 201-206 12.143 12.267 12.370 12.235 11.762 11.799

Ps 207-212 11.354 11.443 11.499 11.443 11.343 11.240

Ps 213-224 11.935 9.854 9.584 n.g. 9.743 11.091 11.317 11.447 11.494 12.683 ~~12.708~~ 12.610

Ps 225-236 13.804 12.258 10.454 9.699 n.g. 9.708 10.874 10.927 11.054 12.173 12.692 13.003

Ps 237-245 14.049 14.050 14.051 14.053 14.050 12.766 12.302 11.885 11.833

Pcw = 12.096 L = .0411 Pcb = 11.387 Ptc/Pcw = 1.225 Wc = 2.01 T = 82. B = 29.99

Run 24-6 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*= ~~.721~~ 0.819

Pt/Pto 131-144

.999 .999 .998 .995 .991 .987 .999 .999 .998 .996 .991 .987 .975 .979

Cp 330-344

~~-.141~~ -.362 -.647 -.537 -.379 .398 -.280 -.658 -.831 -.754 -.654 -.655 -1.344 -.536 -1.027

Pt/Pto 101-130

.961 .955 .958 .943 1.000 1.000 1.000 .996 .971 .943
1.000 1.000 1.000 1.000 .992 .942 1.000 1.000 1.000 1.000
1.000 .961 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.775 Ptc/Pto = .987 K = .0589

Cp 310-320

.571 ~~-.373~~ .785 .543 .381 .080 -.103 -.109 -.124 -.107 -.077

Cp 321-329

.442 .995 .870 .641 .514 .257 .045 -.015 -.107

Ps 301-309 11.116 13.632 14.477 11.127 11.601 12.084 12.246 12.318 12.368

Ps 201-206 12.079 12.214 12.308 12.168 11.695 11.734

Ps 207-212 11.273 11.364 11.423 11.369 11.263 11.162

Ps 213-224 13.288 11.032 10.452 9.996 10.053 11.105 11.303 11.405 11.434 12.621 ~~10.673~~ 12.554

Ps 225-236 13.251 11.570 9.835 n.g. n.g. n.g. 10.589 10.789 10.975 12.073 12.544 12.835

Ps 237-245 14.008 14.010 14.013 14.013 14.011 12.710 12.230 11.801 11.755

Pcv = 12.033 L = .0415 Pcb = 11.309 Ptc/Pcv = 1.228 Wc = 2.01 T = 83. B = 29.99

Run 24-7 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.711~~ 0.818

Pt/Pto 131-144
.999 .998 .996 .993 .989 .986 .998 .998 .995 .992 .989 .984 .974 .978

Cp 330-344
~~.121~~ -.428 -.701 -.562 -.393 .336 -.380 -.748 -.891 -.781 -.665 -.637 -1.3 -.529 -1.015

Pt/Pto 101-130
.962 .943 .962 .943 1.000 1.000 1.000 .977 .972 .942
1.000 1.000 1.000 .993 .988 .938 1.000 1.000 1.000 1.000
.999 .952 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.752 Ptc/Pto = .986 K = .0632

Cp 310-320
.697 ~~1.011~~ .715 .454 .299 .015 -.121 -.118 -.125 -.090 -.058

Cp 321-329
.221 .975 .927 .715 .590 .320 .069 -.031 -.144

Ps 301-309 10.820 13.286 14.276 10.997 11.522 12.008 12.178 12.246 12.295

Ps 201-206 12.000 12.141 12.239 12.094 1 .610 11.646

Ps 207-212 11.172 11.266 11.330 1 .275 1 .164 11.056

Ps 213-224 13.476 11.208 10.571 10.026 10.034 11.030 11.238 11.331 11.353 12.546 ~~10.599~~ 12.487

Ps 225-236 12.978 11.299 9.625 n.g. n.g. n.g. 10.353 10.665 10.888 11.948 12.437 12.748

Ps 237-245 13.990 13.990 13.992 13.993 13.991 12.644 12.149 1 .706 11.665

Pcw = 11.955 L = .0426 Pcb = 11.210 Ptc/Pcw = 1.234 Wc = 2.02 T = 84. B = 29.99

Run 24-8 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*= ~~.721~~ 0.815 , 0.819

Pt/Pto 131-144

.998	.997	.994	.992	.988	.986	.998	.998	.995	.992	.989	.985	.974	.978

Cp 330-344

~~+.069~~	-.525	-.754	-.574	-.417	.270	-.493	-.832	-.922	-.766	-.635	-.581	-1.286	-.494	-1.004

Pt/Pto 101-130

.964	.921	.955	.948	1.000	1.000	1.000	.943	.965	.947
1.000	1.000	1.000	.959	.972	.944	1.000	1.000	1.000	.980
.988	.960	1.000	1.000	1.000	.998	1.000	.998	1.000	1.000

Ptc = 14.689 Ptc/Pto = .981 K = .0812

Cp 310-320

.782	~~-1.054~~	.614	.355	.214	-.030	-.103	-.084	-.087	-.054	-.049

Cp 321-329

-.309	.791	.906	.779	.666	.379	.049	-.100	-.239

Ps 301-309 14.711 13.289 13.916 14.593 11.130 11.931 12.019 12.055 12.138

Ps 201-206 11.880 12.035 12.144 11.983 11.474 11.512

Ps 207-212 11.010 11.121 11.201 11.123 11.008 10.894

Ps 213-224 13.714 11.470 10.777 10.133 10.065 10.946 11.181 11.249 11.249 12.381 ~~12.458~~ 12.363

Ps 225-236 12.491 10.863 n.g. n.g. n.g. 9.884 10.290 10.542 10.727 11.636 12.177 12.525

Ps 237-245 13.964 13.965 13.966 13.968 13.966 12.512 11.980 11.511 11.500

Pcw = 11.838 L = .0456 Pcb = 11.060 Ptc/Pcw = 1.241 Wc = 2.03 T = 86. B = 29.99

55

Run 24-9 C1 I1 S1 B1 Eng 2 α=0° β=-4° m/m' = ~~.721~~ 0.815 , 0.821

Pt/Pto 131-144
.999 .999 .999 .997 .992 .988 .999 .999 .999 .998 .993 .988 .976 .979

Cp 330-344
~~-.033~~ -.230 -.551 -.493 -.370 .424 -.208 -.577 -.761 -.707 -.628 -.658 -1.364 -.534 -1.066

Pt/Pto 101-130
.959 .930 .968 .951 1.000 1.000 1.000 .960 .975 .949
1.000 1.000 1.000 .981 .985 .948 1.000 1.000 1.000 .998
.998 .966 1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000

Ptc = 14.750 Ptc/Pto = .986 K = .0717

Cp 310-320
.345 ~~1.043~~ .782 .572 .420 .121 -.096 -.115 -.118 -.102 -.097

Cp 321-329
.181 .946 .910 .715 .588 .325 .100 .025 -.073

Ps 301-309 11.142 13.399 14.360 11.057 11.551 12.005 12.164 12.203 12.270

Ps 201-206 11.998 12.141 12.229 12.087 11.606 11.640

Ps 207-212 11.166 11.263 11.330 11.267 11.158 11.052

Ps 213-224 13.040 10.725 10.165 9.718 9.785 10.861 11.160 11.285 11.326 12.530 ~~12.528~~ 12.474

Ps 225-236 12.933 11.212 n.g. n.g. n.g. n.g. 10.305 10.642 10.873 11.924 12.405 12.713

Ps 237-245 13.996 13.997 13.998 14.000 13.999 12.641 12.139 11.690 11.653

Pcw = 11.950 L = .0422 Pcb = 11.206 Ptc/Pcw = 1.234 Wc = 2.02 T = 87. B = 29.99

Run 24-10 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*= ~~.711~~ 0.800 , 0.820

Pt/Pto 131-144

.999 .998 .998 .997 .992 .987 .999 .999 .999 .998 .994 .989 .975 .979

Cp 330-344

~~-.915~~ -.166 -.525 -.520 -.427 .363 -.248 -.600 -.778 -.729 -.648 -.697 -1.430 -.575 -1.154

Pt/Pto 101-130

.956 .894 .960 .963 1.000 1.000 1.000 .910 .966 .952
1.000 1.000 1.000 .923 .962 .956 1.000 1.000 1.000 .944
.969 .981 1.000 1.000 .999 .985 .994 .999 1.000 1.000

Ptc = 14.622 Ptc/Pto = .977 K = .1088

Cp 310-320

.142 ~~-1.070~~ .655 .473 .330 .044 -.178 -.198 -.211 -.190 -.178

Cp 321-329

-.522 .725 .978 .866 .755 .487 .207 .091 -.035

Ps 301-309 10.930 13.011 13.953 14.702 11.358 11.850 11.928 11.938 12.078

Ps 201-206 11.890 12.052 12.144 11.986 11.484 11.514

Ps 207-212 11.021 11.155 11.244 11.121 11.011 10.906

Ps 213-224 12.958 10.618 10.051 9.591 9.662 10.866 11.067 11.175 11.203 12.313 ~~12.390~~ 12.332

Ps 225-236 12.239 10.557 n.g. n.g. n.g. 10.027 10.311 10.510 10.665 11.465 12.068 12.449

Ps 237-245 13.964 13.962 13.966 13.968 13.967 12.493 11.927 11.449 11.463

Pcw = 11.845 L = .0452 Pcb = 11.076 Ptc/Pcw = 1.234 Wc = 2.00 T = 88. B = 29.99

Run 24-11 C1 I1 S1 B1 Eng 2 α=0° β=4° m/m*=~~.727~~ 0.818 , 0.819

Pt/Pto 131-144
.999 .999 .999 .997 .992 .988 .999 .999 .999 .997 .992 .987 .976 .980

Cp 330-344
~~-.633~~ -.405 -.658 -.544 -.389 .430 -.199 -.576 -.766 -.713 -.631 -.660 -1.381 -.542 -1.038

Pt/Pto 101-130
.962 .968 .953 .934 .999 1.000 1.000 1.000 .987 .943
1.000 1.000 1.000 1.000 1.000 .955 1.000 1.000 1.000 1.000
1.000 .982 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.808 Ptc/Pto = .989 K = .0675

Cp 310-320
.499 ~~1.122~~ .853 .612 .446 .133 -.080 -.093 -.125 -.120 -.100

Cp 321-329
.773 .950 .676 .404 .287 .070 -.064 -.077 -.135

Ps 301-309 11.595 14.208 14.715 11.287 11.729 12.108 12.238 12.337 12.389

Ps 201-206 12.084 12.209 12.318 12.173 11.696 11.734

Ps 207-212 11.279 11.368 11.425 11.368 11.267 11.165

Ps 213-224 13.136 10.910 10.383 9.984 10.062 11.000 11.317 11.427 11.453 12.637 ~~12.630~~ 12.569

Ps 225-236 13.745 12.144 10.344 9.609 n.g. 9.645 10.817 10.854 10.982 12.113 12.646 12.970

Ps 237-245 13.984 13.985 13.987 13.988 13.986 12.723 12.246 11.824 11.774

Pcw = 12.036 L = .0420 Pcb = 11.312 Ptc/Pcw = 1.230 Wc = 2.01 T = 89. B = 29.99

Run 24-12 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m* ~~.721~~ 0.820 , 0.818

Pt/Pto 131-144
.999 .999 .999 .997 .992 .988 .998 .997 .997 .996 .991 .983 .975 .979

Cp 330-344
~~-.175~~ -.581 -.779 -.626 -.463 .381 -.223 -.593 -.779 -.731 -.651 -.693 -1.454 -.582 -1.061

Pt/Pto 101-130
.964 .977 .972 .930 .996 1.000 1.000 1.000 1.000 .944
1.000 1.000 1.000 1.000 1.000 .963 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.835 Ptc/Pto = .991 K = .0708

Cp 310-320
.489 ~~-1.101~~ .832 .574 .401 .083 -.127 -.138 -.196 -.185 -.178

Cp 321-329
.951 .797 .366 .116 .027 -.133 -.188 -.158 -.164

Ps 301-309 11.986 14.477 11.095 11.631 11.980 12.137 12.259 12.366 12.414

Ps 201-206 12.108 12.229 12.365 12.196 11.725 11.761

Ps 207-212 11.311 11.399 11.456 11.400 11.300 11.197

Ps 213-224 13.178 11.042 10.550 10.192 10.266 11.133 11.431 11.515 11.526 12.662 ~~10.689~~ 12.592

Ps 225-236 14.216 12.816 11.067 10.292 9.822 10.188 11.024 11.024 11.103 12.145 12.689 13.058

Ps 237-245 13.954 13.955 13.957 13.957 13.957 12.740 12.272 11.859 11.803

Pcw = 12.064 L = .0431 Pcb = 11.344 Ptc/Pcw = 1.230 Wc = 2.01 T = 91. B = 29.99

Run 27-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.478~~ 0.506

Pt/Pto 131-144
1.000 1.000 .999 .995 .989 .985 1.000 1.000 1.000 .997 .990 .985 .978 .974

Cp 330-344
~~-.172~~ -.245 -.504 -.373 -.144 .480 -.127 -.473 -.625 -.534 -.416 -.153 -.145 -.119 -.060

Pt/Pto 101-130
.989 .993 .989 .980 1.000 1.001 1.001 1.001 1.000 .992
1.000 1.001 1.001 1.000 1.000 1.000 1.000 1.001 1.001 1.001
1.000 1.000 1.000 1.001 1.001 1.001 1.000 1.000 1.000 1.001

Ptc = 15.065 Ptc/Pto = .999 K = .0211

Cp 310-320
.672 ~~-.195~~ .067 -.048 -.119 -.250 -.195 -.164 -.164 -.123 -.081

Cp 321-329
.769 .427 .107 .008 -.014 -.106 -.141 -.119 -.139

Ps 301-309 14.522 13.830 14.011 14.076 14.105 14.111 14.175 14.207 14.231

Ps 201-206 14.145 14.174 14.201 14.165 14.011 14.035

Ps 207-212 13.883 13.907 13.925 13.917 13.892 13.854

Ps 213-224 15.055 14.204 13.858 13.613 13.612 13.749 13.916 13.949 13.947 14.306 ~~14.337~~ 14.290

Ps 225-236 15.032 14.513 13.754 13.485 13.356 ~~13.503~~ 13.686 13.752 13.778 14.119 14.307 14.438

Ps 237-245 14.551 14.550 14.551 14.551 14.551 14.342 14.170 14.030 14.009

Pcv = 14.122 L = .0126 Pcb = 13.896 Ptc/Pcv = 1.067 Wc = 1.30 T = 75. B = 29.88

Run 27-2 C1 I1 S1 B1 Eng 2 α=-4° β=0° m/m*=~~.434~~ 0.505

Pt/Pto 131-144
1.000 1.000 1.000 .997 .991 .987 1.000 1.000 1.000 .999 .993 .987 .981 .974

Cp 330-344
~~.169~~ -.195 -.452 -.347 -.142 .521 -.043 -.384 -.550 -.482 -.378 -.142 -.149 -.108 -.064

Pt/Pto 101-130
.988 .994 .992 .984 1.001 1.001 1.001 1.001 1.001 .998
1.001 1.001 1.001 1.001 1.000 1.001 1.000 1.001 1.001 1.001
1.000 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.074 Ptc/Pto = .999 K = .0166

Cp 310-320
.796 ~~.292~~ .193 .054 -.026 -.177 -.162 -.140 -.146 -.116 -.084

Cp 321-329
.675 .326 .010 -.084 -.098 -.170 -.185 -.148 -.160

Ps 301-309 14.652 13.893 14.058 14.116 14.137 14.128 14.185 14.219 14.240

Ps 201-206 14.156 14.183 14.210 14.176 14.021 14.045

Ps 207-212 13.894 13.919 13.935 13.929 13.902 13.866

Ps 213-224 15.014 14.097 13.768 13.559 13.582 13.712 13.919 13.948 13.951 14.314 ~~14.337~~ 14.298

Ps 225-236 15.041 14.597 13.849 13.562 13.410 13.557 13.703 13.775 13.797 14.130 14.317 14.450

Ps 237-245 14.561 14.561 14.561 14.561 14.562 14.350 14.178 14.040 14.021

Pcv = 14.132 L = .0125 Pcb = 13.908 Ptc/Pcv = 1.067 Wc = 1.29 T = 77. B = 29.88

Run 27-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=~~.474~~ 0.505

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .994 .989 1.000 1.000 1.000 1.000 .996 .990 .984 .974

Cp 330-344
~~.160~~ -.114 -.362 -.297 -.133 .593 .100 -.227 -.409 -.376 -.297 -.105 -.138 -.076 -.057

Pt/Pto 101-130
.987 .994 .994 .987 1.000 1.001 1.001 1.001 1.000 1.000
1.001 1.001 1.001 1.001 1.000 1.001 1.000 1.001 1.001 1.001
1.001 1.000 1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001

Ptc = 15.077 Ptc/Pto = .999 K = .0137

Cp 310-320
.941 .864 .390 .225 .131 -.044 -.091 -.082 -.108 -.090 -.077

Cp 321-329
.516 .151 -.151 -.232 -.231 -.280 -.272 -.219 -.205

Ps 301-309 14.818 13.976 14.123 14.168 14.178 14.147 14.196 14.226 14.249

Ps 201-206 14.165 14.191 14.217 14.185 14.029 14.053

Ps 207-212 13.904 13.928 13.945 13.938 13.913 13.876

Ps 213-224 14.903 13.902 13.613 13.468 13.528 13.687 13.911 13.941 13.950 14.320 14.340 14.303

Ps 225-236 15.033 14.709 13.973 13.668 13.484 13.632 13.713 13.802 13.821 14.140 14.325 14.460

Ps 237-245 14.579 14.578 14.578 14.579 14.579 14.357 14.186 14.049 14.029

Pcw = 14.140 L = .0124 Pcb = 13.917 Ptc/Pcw = 1.066 Wc = 1.29 T = 80. B = 29.88

Run 27-4 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= ~~.497~~ 0.506

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .993 1.000 1.000 1.000 1.000 1.000 .994 .987 .974

Cp 330-344
~~-.125~~ .015 -.192 -.187 -.103 .724 .360 .072 -.120 -.143 -.108 -.001 -.094 .015 -.024

Pt/Pto 101-130
.984 .993 .998 .988 1.000 1.000 1.001 1.001 1.000 1.000
1.001 1.000 1.001 1.001 1.000 1.000 1.000 1.001 1.001 1.001
1.000 1.000 1.000 1.001 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.076 Ptc/Pto = .999 K = .0169

Cp 310-320
1.016 ~~.692~~ .697 .525 .420 .218 .072 .056 .000 -.005 -.022

Cp 321-329
.260 -.096 -.391 -.460 -.440 -.469 -.459 -.383 -.341

Ps 301-309 14.955 13.846 14.187 14.217 14.209 14.138 14.171 14.199 14.224

Ps 201-206 14.140 14.163 14.190 14.160 13.999 14.024

Ps 207-212 13.870 13.894 13.912 13.905 13.878 13.841

Ps 213-224 14.528 13.438 13.240 13.225 13.343 13.717 13.836 13.883 13.900 14.297 ~~14.338~~ 14.280

Ps 225-236 14.992 ~~14.787~~ 14.080 13.745 13.515 13.646 13.699 13.785 13.802 14.117 14.306 14.450

Ps 237-245 14.609 14.610 14.609 14.610 14.609 14.333 14.160 14.019 14.000

Pcw = 14.113 L = .0127 Pcb = 13.884 Ptc/Pcw = 1.068 Wc = 1.30 T = 81. B = 29.88

Run 27-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*=~~.474~~ 0.508 , 0.503

Pt/Pto 131-144
1.000 .999 .996 .991 .986 .983 1.000 1.000 .997 .993 .987 .983 .975 .973

Cp 330-344
~~.164~~ -.295 -.550 -.395 -.145 .434 -.210 -.555 -.689 -.576 -.438 -.156 -.135 -.123 -.054

Pt/Pto 101-130
.990 .993 .989 .973 1.000 1.001 1.001 1.001 1.001 .984
1.001 1.001 1.001 1.001 1.001 .996 1.001 1.001 1.001 1.001
1.001 1.000 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.059 Ptc/Pto = .998 K = .0273

Cp 310-320
.545 ~~.308~~ -.044 -.148 -.205 -.316 -.222 -.189 -.177 -.124 -.075

Cp 321-329
.856 .543 .220 .102 .066 -.044 -.108 -.107 -.148

Ps 301-309 14.273 13.730 13.952 14.028 14.066 14.091 14.158 14.192 14.211

Ps 201-206 14.129 14.156 14.186 14.145 13.991 14.015

Ps 207-212 13.860 13.885 13.901 13.894 13.869 13.826

Ps 213-224 15.081 14.296 13.932 13.653 13.625 13.770 13.895 13.941 13.936 14.292 ~~14.317~~ 14.277

Ps 225-236 15.011 14.407 13.639 13.384 13.280 ~~13.440~~ 13.664 13.717 13.745 14.100 14.292 14.426

Ps 237-245 14.541 14.541 14.541 14.541 14.542 14.325 14.153 14.010 13.991

Pcv = 14.104 L = .0129 Pcb = 13.872 Ptc/Pcv = 1.068 Wc = 1.29 T = 83. B = 29.88

Run 27-6 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.474~~ 0.508

Pt/Pto 131-144

.999	.995	.991	.986	.982	.980	.998	.995	.991	.987	.983	.980	.973	.971

Cp 330-344

~~.147~~	-.365	-.608	-.416	-.145	.375	-.312	-.650	-.755	-.606	-.450	-.144	-.122	-.115	-.039

Pt/Pto 101-130

.992	.993	.991	.971	1.001	1.001	1.001	1.001	1.001	.977
1.001	1.001	1.001	1.001	1.001	.986	1.001	1.001	1.001	1.000
1.001	.999	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.049 Ptc/Pto = .997 K = .0296

Cp 310-320

.327	~~.332~~	-.208	-.278	-.317	-.393	-.246	-.188	-.179	-.111	-.056

Cp 321-329

.944	.681	.369	.230	.180	.033	-.078	-.110	-.192

Ps 301-309	13.626	13.647	13.892	13.984	14.035	14.091	14.168	14.201	14.216			
Ps 201-206	14.139	14.164	14.197	14.153	14.004	14.025						
Ps 207-212	13.873	13.897	13.915	13.905	13.882	13.845						
Ps 213-224	15.089	14.433	14.057	13.739	13.678	13.821	13.898	13.952	13.952	14.299	~~14.322~~	14.287
Ps 225-236	14.935	14.227	13.473	13.259	13.207	13.370	13.672	13.699	13.737	14.104	14.297	14.424
Ps 237-245	14.536	14.536	14.536	14.537	14.536	14.339	14.163	14.022	14.002			

Pcw = 14.114 L = .0128 Pcb = 13.886 Ptc/Pcw = 1.066 Wc = 1.28 T = 85. B = 29.88

Run 27-7 C1 I1 S1 E1 Eng 2 α=20° β=0° m/m*=~~.[illegible]~~ 0.504

Pt/Pto 131-144

.996	.992	.988	.984	.981	.979	.996	.993	.989	.986	.982	.979	.972	.970

Cp 330-344

~~-.103~~	-.456	-.653	-.421	-.147	.310	-.423	-.733	-.785	-.589	-.410	-.106	-.111	-.089	-.059

Pt/Pto 101-130

.992	.992	.977	.976	1.001	1.001	1.001	1.001	.991	.981
1.001	1.001	1.001	1.000	.999	.991	1.001	1.001	1.001	1.001
1.000	.998	1.001	1.001	1.001	1.000	1.001	1.000	1.001	1.001

Ptc = 15.037 Ptc/Pto = .997 K = .0249

Cp 310-320

.045	~~-.364~~	-.387	-.402	-.410	-.439	-.219	-.147	-.135	-.069	-.046

Cp 321-329

.974	.845	.567	.410	.340	.157	-.026	-.100	-.204

Ps 301-309 13.779 13.536 13.803 13.932 13.996 14.052 14.132 14.164 14.186

Ps 201-206 14.107 14.133 14.163 14.127 13.968 13.991

Ps 207-212 13.835 13.860 13.878 13.869 13.842 13.805

Ps 213-224 15.076 14.554 14.165 13.803 13.702 13.833 13.889 13.926 13.926 14.274 ~~14.306~~ 14.259

Ps 225-236 14.664 13.792 13.112 12.989 13.040 13.186 13.601 13.632 13.686 14.075 14.264 14.371

Ps 237-245 14.540 14.539 14.539 14.540 14.538 14.315 14.132 13.986 13.966

Pcw = 14.082 L = .0130 Pcb = 13.848 Ptc/Pcw = 1.068 Wc = 1.29 T = 88. B = 29.87

Run 27-8 C1 I1 S1 B1 Env 2 α=0° β=-4° m/m*=~~.474~~ 0.504

Pt/Pto 131-144
1.000 1.000 .999 .995 .989 .984 1.000 1.000 1.000 .997 .991 .985 .976 .973

Cp 330-344
~~.291~~ -.169 -.458 -.355 -.129 .465 -.140 -.480 -.629 -.540 -.420 -.165 -.160 -.117 -.059

Pt/Pto 101-130
.988 .989 .983 .978 1.001 1.001 1.001 1.001 1.000 .986
1.001 1.001 1.001 1.001 1.001 .996 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.052 Ptc/Pto = .998 K = .0226

Cp 310-320
.700 ~~.396~~ .097 -.033 -.104 -.244 -.209 -.184 -.174 -.135 -.096

Cp 321-329
.990 .732 .413 .252 .198 .052 -.043 -.057 -.109

Ps 301-309 13.780 13.559 13.838 13.947 14.008 14.085 14.170 14.205 14.226

Ps 201-206 14.145 14.171 14.200 14.161 14.004 14.029

Ps 207-212 13.878 13.904 13.919 13.912 13.887 13.850

Ps 213-224 15.024 14.103 13.746 13.499 13.511 13.664 13.861 13.901 13.909 14.300 ~~14.314~~ 14.288

Ps 225-236 14.891 ~~14.107~~ 13.308 13.097 13.074 13.233 13.611 13.645 13.695 14.097 14.294 14.412

Ps 237-245 14.535 14.536 14.536 14.536 14.536 14.277 14.169 14.025 14.005

Pcv = 14.118 L = .0130 Pcb = 13.892 Ptc/Pcv = 1.066 Wc = 1.27 T = 88. B = 29.87

Run 27-9 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*= 0.502

Pt/Pto 131-144
.999 .998 .999 .995 .989 .983 .999 1.000 .999 .997 .990 .985 .973 .971

Cp 330-344
~~-.305~~ -.102 -.429 -.369 -.158 .409 -.178 -.502 -.644 -.558 -.442 -.209 -.216 -.142 -.099

Pt/Pto 101-130
.987 .973 .985 .985 1.001 1.001 1.001 .981 .992 .988
1.001 1.001 1.001 .989 .993 .988 1.001 1.001 1.001 .998
.999 .997 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.017 Ptc/Pto = .996 K = .0278

Cp 310-320
.685 ~~.400~~ .082 -.048 -.123 -.274 -.274 -.257 -.254 -.206 -.171

Cp 321-329
.991 .964 .741 .546 .462 .261 .082 .020 -.068

Ps 301-309 13.332 13.294 13.554 13.693 13.795 14.001 14.100 14.120 14.156

Ps 201-206 14.094 14.127 14.139 14.110 13.945 13.967

Ps 207-212 13.810 13.836 13.857 13.846 13.820 13.782

Ps 213-224 14.947 13.921 13.548 13.300 13.327 13.541 13.743 13.790 13.810 14.237 ~~14.270~~ 14.233

Ps 225-236 14.406 13.362 12.669 12.634 12.787 13.038 13.304 13.441 13.550 13.985 14.174 14.285

Ps 237-245 14.501 14.500 14.502 14.501 14.502 14.227 14.109 13.951 13.933

Pcv = 14.064 L = .0129 Pcb = 13.825 Ptc/Pcv = 1.068 Wc = 1.28 T = 90. B = 29.87

Run 27-11 C1 I1 S1 B1 Eng 2 α=0° β=4° m/m*=.~~497~~ 0.510 , 0.504

Pt/Pto 131-144

1.000	1.000	.999	.994	.988	.984	1.000	1.000	.999	.996	.989	.984	.977	.973

Cp 330-344

~~-.068~~	-.342	-.567	-.413	-.183	.471	-.128	-.475	-.628	-.537	-.418	-.154	-.143	-.136	-.074

Pt/Pto 101-130

.991	.996	.995	.987	1.000	1.001	1.001	1.001	1.000	.999
1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.001	1.000
1.000	1.000	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 15.073 Ptc/Pto = .999 K = .0143

Cp 310-320

.627	~~.436~~	.035	-.089	-.157	-.279	-.205	-.164	-.191	-.135	-.097

Cp 321-329

.390	.057	-.230	-.256	-.241	-.267	-.238	-.182	-.175

Ps 301-309 14.792 14.061 14.171 14.211 14.222 14.185 14.233 14.264 14.288

Ps 201-206 14.201 14.219 14.250 14.221 14.073 14.095

Ps 207-212 13.952 13.975 13.991 13.984 13.961 13.926

Ps 213-224 15.070 14.314 13.989 13.759 13.748 13.868 14.004 14.037 14.030 14.350 ~~14.349~~ 14.336

Ps 225-236 15.023 14.821 14.171 13.876 13.671 13.781 13.832 13.897 13.911 14.187 14.361 14.493

Ps 237-245 14.537 14.537 14.538 14.538 14.538 14.384 14.221 14.092 14.072

Pcw = 14.177 L = .0117 Pcb = 13.965 Ptc/Pcw = 1.063 Wc = 1.25 T = 91. B = 29.87

Run 27-12 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m*= ~~.494~~ 0.508 , 0.504

Pt/Pto 131-144
1.000 1.000 .999 .995 .988 .984 .999 .999 .998 .995 .987 .980 .975 .971

Cp 330-344
~~-.125~~ -.525 -.696 -.511 -.293 .428 -.151 -.494 -.645 -.556 -.441 -.189 -.194 -.199 -.152

Pt/Pto 101-130
.992 .998 1.000 .989 .993 .999 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.080 Ptc/Pto = 1.000 K = .0123

Cp 310-320
.553 ~~-.446~~ -.047 -.164 -.231 -.346 -.250 -.212 -.256 -.202 -.171

Cp 321-329
-.404 -.607 -.751 -.653 -.578 -.495 -.370 -.243 -.216

Ps 301-309 14.916 14.208 14.286 14.304 14.298 14.209 14.221 14.246 14.272

Ps 201-206 14.184 14.200 14.233 14.209 14.059 14.079

Ps 207-212 13.932 13.956 13.972 13.964 13.942 13.905

Ps 213-224 15.052 14.372 14.066 13.846 13.825 13.935 14.036 14.065 14.047 14.338 ~~14.363~~ 14.323

Ps 225-236 14.722 15.049 14.572 14.258 13.973 13.996 14.010 13.993 13.985 14.189 14.364 14.503

Ps 237-245 14.520 14.521 14.840 14.522 14.520 14.358 14.202 14.076 14.058

Pcw = 14.161 L = .0116 Pcb = 13.945 Ptc/Pcw = 1.065 Wc = 1.26 T = 91. B = 29.87

Run 27-13 C1 I1 S1 E1 Eng 2 α=4° β=10° m/m*=.[illegible] 0.507 , 0.508

Pt/Pto 131-144

1.000	1.000	.998	.992	.986	.983	.999	.999	.996	.991	.983	.976	.975	.971

Cp 330-344

-.091	-.537	-.705	-.494	-.250	.380	-.234	-.580	-.712	-.601	-.470	-.201	-.208	-.192	-.140

Pt/Pto 101-130

.992	.997	.999	.986	.995	1.000	1.001	1.000	1.000	1.000
1.000	1.001	1.001	1.001	1.000	1.000	1.000	1.001	1.001	1.001
1.001	1.000	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.068 Ptc/Pto = .999 K = .0143

Cp 310-320

.420	[illegible]	-.149	-.240	-.297	-.390	-.255	-.203	-.235	-.173	-.127

Cp 321-329

-.164	-.410	-.586	-.502	-.444	-.393	-.297	-.191	-.184

Ps 301-309 14.845 14.154 14.237 14.261 14.258 14.183 14.203 14.232 14.257

Ps 201-206 14.172 14.189 14.223 14.198 14.047 14.067

Ps 207-212 13.920 13.944 13.960 13.952 13.930 13.892

Ps 213-224 15.063 14.440 14.120 13.871 13.828 13.945 14.011 14.052 14.037 14.326 [illegible] 14.312

Ps 225-236 14.834 15.007 14.481 14.168 13.900 13.941 13.965 13.958 13.953 14.186 14.351 14.491

Ps 237-245 14.502 14.503 14.503 14.503 14.503 14.354 14.193 14.062 14.045

Pcv = 14.142 L = .0116 Pcb = 13.933 Ptc/Pcv = 1.065 Wc = 1.26 T = 92. B = 29.86

Run 27-14 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m*= ~~.474~~ 0.508

Pt/Pto 131-144
1.000 .999 .996 .991 .986 .983 1.000 1.000 .996 .992 .986 .982 .975 .973

Cp 330-344
~~.000~~ -.379 -.604 -.421 -.171 .427 -.214 -.562 -.698 -.583 -.447 -.164 -.153 -.141 -.073

Pt/Pto 101-130
.991 .994 .993 .981 1.000 1.001 1.001 1.001 1.000 .994
1.000 1.001 1.001 1.001 1.001 1.000 1.000 1.001 1.001 1.001
1.001 1.000 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.058 Ptc/Pto = .999 K = .0193

Cp 310-320
.513 ~~.475~~ -.073 -.178 -.234 -.335 -.226 -.169 -.189 -.125 -.077

Cp 321-329
.565 .218 -.068 -.138 -.136 -.189 -.188 -.153 -.162

Ps 301-309 14.624 13.982 14.108 14.150 14.165 14.148 14.198 14.235 14.255

Ps 201-206 14.167 14.187 14.220 14.187 14.037 14.059

Ps 207-212 13.912 13.936 13.952 13.945 13.921 13.885

Ps 213-224 15.075 14.378 14.036 13.771 13.738 13.866 13.960 14.008 14.001 14.322 ~~14.338~~ 14.308

Ps 225-236 15.031 14.726 14.043 13.756 13.575 ~~13.703~~ 13.741 13.852 13.860 14.151 14.330 14.463

Ps 237-245 14.517 14.517 14.519 14.518 14.518 14.357 14.185 14.056 14.036

Pcw = 14.143 L = .0122 Pcb = 13.925 Ptc/Pcw = 1.065 Wc = 1.26 T = 92. B = 29.86

Run 27-15 C1 I1 S1 E1 Eng 2 α=4° β=-4° m/m*= ~~.474~~ 0.504

Pt/Pto 131-144
1.000 .999 .997 .992 .986 .982 1.000 1.000 .998 .994 .988 .983 .975 .972

Cp 330-344
~~.230~~ -.236 -.522 -.394 -.147 .423 -.224 -.563 -.694 -.580 -.444 -.167 -.151 -.123 -.056

Pt/Pto 101-130
.990 .989 .984 .979 1.001 1.001 1.001 1.001 1.000 .984
1.001 1.001 1.001 1.001 1.001 .989 1.001 1.001 1.001 1.001
1.001 1.000 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.047 Ptc/Pto = .998 K = .0226

Cp 310-320
.570 ~~.481~~ -.032 -.140 -.199 -.319 -.244 -.214 -.202 -.148 -.100

Cp 321-329
1.011 .807 .498 .322 .260 .094 -.029 -.068 -.139

Ps 301-309 13.438 13.489 13.797 13.919 13.982 14.083 14.167 14.200 14.222

Ps 201-206 14.144 14.169 14.199 14.161 14.006 14.029

Ps 207-212 13.879 13.905 13.921 13.913 13.889 13.851

Ps 213-224 15.050 14.211 13.838 13.561 13.546 13.703 13.865 13.908 13.913 14.298 ~~14.324~~ 14.286

Ps 225-236 14.816 ~~13.977~~ 13.198 13.014 13.025 ~~13.171~~ 13.589 13.629 13.685 14.096 14.289 14.404

Ps 237-245 14.521 14.521 14.522 14.522 14.522 14.275 14.170 14.023 14.003

Pcw = 14.118 L = .0128 Pcb = 13.893 Ptc/Pcw = 1.066 Wc = 1.27 T = 92. B = 29.86

Run 27-16 C1 I1 S1 B1 Eng 2 α=4° β=-10° m/m*= 0.506

Pt/Pto 131-144
.999 .998 .997 .992 .987 .982 .999 1.000 .999 .995 .988 .983 .973 .970

Cp 330-344
-.194 -.518 -.433 -.205 .366 -.259 -.583 -.709 -.598 -.466 -.211 -.217 -.159 -.105

Pt/Pto 101-130
.987 .969 .982 .984 1.001 1.001 1.001 .975 .990 .986
1.001 1.000 1.001 .982 .991 .986 1.001 1.001 1.001 .990
.995 .994 1.001 1.001 1.001 .999 1.000 1.001 1.001 1.001

Ptc = 14.990 Ptc/Pto = .994 K = .0322

Cp 310-320
.548 -.039 -.163 -.228 -.359 -.325 -.311 -.288 -.233 -.194

Cp 321-329
.955 .977 .775 .583 .494 .278 .069 -.016 -.123

Ps 301-309 13.075 13.301 13.509 13.629 13.733 13.965 14.063 14.088 14.133

Ps 201-206 14.070 14.107 14.123 14.091 13.923 13.944

Ps 207-212 13.785 13.813 13.836 13.822 13.794 13.758

Ps 213-224 14.982 14.033 13.641 13.353 13.352 13.537 13.735 13.777 13.790 14.207 14.244 14.210

Ps 225-236 14.272 13.228 12.622 12.657 12.781 13.059 13.245 13.370 13.478 13.939 14.138 14.251

Ps 237-245 14.483 14.482 14.484 14.485 14.484 14.201 14.076 13.917 13.904

Pcw = 14.043 L = .0133 Pcb = 13.801 Ptc/Pcw = 1.067 Wc = 1.27 T = 92. B = 29.86

Run 27-17 Cl El Sl El Eng 2 α=-4° β=-10° m/m*=~~.497~~ 0.507

Pt/Pto 131-144

.999 .998 .999 .997 .991 .985 .999 .999 .999 .998 .992 .986 .974 .970

Cp 330-344

~~.365~~ -.014 -.341 -.302 -.112 .452 -.092 -.414 -.568 -.506 -.404 -.193 -.212 -.114 -.084

Pt/Pto 101-130

.989 .977 .986 .985 1.000 1.000 1.000 .990 .990 .988

1.000 1.000 1.000 .996 .995 .991 1.000 1.000 1.000 1.000

.999 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.021 Ptc/Pto = .996 K = .0234

Cp 310-320

.777 ~~.505~~ .203 .064 -.018 -.184 -.217 -.206 -.195 -.170 -.143

Cp 321-329

1.021 .927 .680 .498 .420 .234 .083 .040 -.040

Ps 301-309 13.429 13.260 13.597 13.757 13.857 14.040 14.125 14.158 14.188

Ps 201-206 14.122 14.154 14.165 14.139 13.981 13.998

Ps 207-212 13.849 13.874 13.892 13.882 13.858 13.822

Ps 213-224 14.887 13.817 13.469 13.264 13.318 13.586 13.761 13.812 13.838 14.266 ~~14.280~~ 14.260

Ps 225-236 14.520 ~~13.517~~ 12.766 12.673 12.821 ~~13.021~~ 13.380 13.511 13.611 14.036 14.217 14.320

Ps 237-245 14.504 14.505 14.502 14.506 14.506 14.259 14.145 13.988 13.970

Pcw = 14.093 L = .0122 Pcb = 13.863 Ptc/Pcw = 1.066 Wc = 1.26 T = 93. B = 29.86

Run 27-18 C1 I1 S1 B1 Eng 2 α=-4° β=-4° m/m*=~~.497~~ 0.508

Pt/Pto 131-144
1.000 1.000 1.000 .997 .991 .986 1.000 1.000 1.000 .999 .993 .987 .978 .973

Cp 330-344
~~.869~~ -.102 -.392 -.312 -.106 .510 -.051 -.388 -.551 -.485 -.381 -.147 -.155 -.095 -.050

Pt/Pto 101-130
.988 .989 .982 .981 1.001 1.001 1.001 1.001 1.000 .989
1.000 1.000 1.001 1.000 1.000 .998 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.047 Ptc/Pto = .998 K = .0202

Cp 310-320
.790 ~~.509~~ .210 .074 -.006 -.163 -.166 -.148 -.144 -.116 -.086

Cp 321-329
.923 .634 .314 .171 .125 .001 -.072 -.065 -.114

Ps 301-309 14.280 13.658 13.906 14.001 14.048 14.104 14.191 14.226 14.245

Ps 201-206 14.171 14.195 14.224 14.189 14.036 14.057

Ps 207-212 13.913 13.936 13.952 13.946 13.921 13.885

Ps 213-224 14.976 14.008 13.675 13.469 13.506 13.659 13.880 13.917 13.932 14.319 ~~14.325~~ 14.308

Ps 225-236 14.950 ~~14.294~~ 13.452 13.220 13.170 ~~13.325~~ 13.669 13.694 13.739 14.126 14.316 14.433

Ps 237-245 14.538 14.539 14.539 14.539 14.539 14.300 14.199 14.052 14.033

Pcw = 14.145 L = .0125 Pcb = 13.925 Ptc/Pcw = 1.064 Wc = 1.25 T = 93. B = 29.86

Run 27-19 C1 I1 S1 E1 Eng 2 α=-4° β=-4° m/m*=~~.474~~ 0.507

Pt/Pto 131-144
1.000 1.000 1.000 .997 .991 .986 1.000 1.000 1.000 .999 .993 .987 .979 .973

Cp 330-344
~~.052~~ -.306 -.532 -.404 -.201 .515 -.041 -.385 -.550 -.485 -.381 -.144 -.152 -.132 -.091

Pt/Pto 101-130
.989 .996 .997 .987 .999 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.062 Ptc/Pto = .999 K = .0135

Cp 310-320
.757 ~~.530~~ .153 .022 -.057 -.204 -.176 -.146 -.183 -.138 -.112

Cp 321-329
.250 -.089 -.344 -.363 -.337 -.345 -.298 -.228 -.212

Ps 301-309 14.833 14.053 14.170 14.203 14.212 14.159 14.201 14.230 14.248

Ps 201-206 14.168 14.188 14.221 14.193 14.041 14.059

Ps 207-212 13.914 13.937 13.954 13.948 13.923 13.887

Ps 213-224 15.017 14.165 13.854 13.654 13.672 13.780 13.972 13.994 13.989 14.323 ~~14.332~~ 14.308

Ps 225-236 14.989 14.857 14.208 13.894 13.667 ~~13.772~~ 13.822 13.860 13.880 14.158 14.336 14.473

Ps 237-245 14.535 14.536 14.536 14.536 14.536 14.357 14.193 14.057 14.037

Pcv = 14.145 L = .0119 Peb = 13.927 Ptc/Pcv = 1.065 Wc = 1.26 T = 93. B = 29.86

Run 27-20 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*=~~.474~~ 0.503

Pt/Pto 131-144
1.000 1.000 1.000 .997 .990 .986 .999 .999 .999 .997 .990 .983 .975 .971

Cp 330-344
~~-.163~~ -.512 -.682 -.524 -.334 .473 -.064 -.401 -.566 -.503 -.403 -.179 -.197 -.201 -.170

Pt/Pto 101-130
.992 .998 1.000 .990 .992 .999 1.001 1.001 1.001 1.000
1.001 1.001 1.000 1.001 1.000 1.000 1.000 1.001 1.001 1.000
1.000 1.000 1.000 1.001 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.071 Ptc/Pto = .999 K = .0116

Cp 310-320
.674 ~~-.550~~ .081 -.062 -.144 -.283 -.234 -.208 -.256 -.221 -.206

Cp 321-329
-.609 -.797 -.903 -.786 -.696 -.593 -.453 -.312 -.265

Ps 301-309 14.940 14.206 14.285 14.302 14.289 14.195 14.192 14.225 14.248

Ps 201-206 14.158 14.174 14.211 14.186 14.034 14.050

Ps 207-212 13.902 13.926 13.942 13.936 13.911 13.875

Ps 213-224 15.010 14.238 13.944 13.755 13.762 13.854 14.022 14.028 14.013 14.317 ~~14.349~~ 14.301

Ps 225-236 14.626 ~~15.057~~ 14.605 14.280 13.980 ~~13.995~~ 14.000 13.977 13.966 14.158 14.345 14.487

Ps 237-245 14.519 14.519 14.520 14.520 14.520 14.337 14.180 14.049 14.029

Pcv = 14.135 L = .0118 Pcb = 13.915 Ptc/Pcv = 1.066 Wc = 1.27 T = 94. B = 29.86

Run 28-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*=~~.620~~ :0.656

Pt/Pto 131-144
1.000 1.000 .999 .994 .988 .983 1.000 1.000 .999 .996 .989 .983 .973 .972

Cp 330-344
~~.165~~ -.265 -.530 -.407 -.199 .470 -.145 -.497 -.660 -.578 -.468 -.274 -.421 -.219 -.276

Pt/Pto 101-130
.980 .984 .974 .965 1.000 1.001 1.001 1.001 1.000 .978
1.000 1.000 1.001 1.001 1.000 .983 1.000 1.001 1.000 1.001
1.000 .998 1.000 1.001 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.014 Ptc/Pto = .996 K = .0359

Cp 310-320
.968 ~~.556~~ .359 .166 .057 -.135 -.161 -.143 -.146 -.115 -.081

Cp 321-329
.993 .721 .364 .185 .129 -.013 -.092 -.089 -.132

Ps 301-309 13.048 12.360 12.906 13.146 13.263 13.330 13.442 13.493 13.532

Ps 201-206 13.377 13.421 13.483 13.417 13.148 13.178

Ps 207-212 12.896 12.944 12.976 12.958 12.907 12.843

Ps 213-224 14.685 13.095 12.603 12.272 12.313 12.750 12.938 12.995 13.005 13.673 ~~13.730~~ 13.644

Ps 225-236 14.734 13.620 12.377 11.952 11.795 ~~12.049~~ 12.599 12.630 12.693 13.344 13.681 13.903

Ps 237-245 14.337 14.337 14.338 14.339 14.338 13.735 13.438 13.182 13.148

Pcw = 13.337 L = .0223 Pcb = 12.921 Ptc/Pcw = 1.126 Wc = 1.65 T = 94. B = 29.86

Run 28-3 C1 I1 S1 B1 Eng 2 α=-4° β=0° m/m*= ~~.620~~ 0.656

Pt/Pto 131-144
1.000 1.000 1.000 .997 .990 .985 1.000 1.000 1.000 .999 .992 .985 .973 .972

Cp 330-344
~~-.160~~ -.210 -.480 -.380 -.193 .514 -.060 -.408 -.584 -.525 -.430 -.257 -.417 -.204 -.277

Pt/Pto 101-130
.979 .984 .973 .961 1.000 1.000 1.000 1.000 1.000 .981
1.000 1.000 1.000 1.000 1.000 .992 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.014 Ptc/Pto = .996 K = .0394

Cp 310-320
.987 ~~.561~~ .449 .255 .139 -.066 -.130 -.118 -.132 -.109 -.084

Cp 321-329
.940 .629 .262 .092 .044 -.080 -.137 -.117 -.142

Ps 301-309 13.621 12.482 13.063 13.262 13.337 13.361 13.464 13.524 13.557

Ps 201-206 13.402 13.445 13.507 13.443 13.178 13.204

Ps 207-212 12.931 12.976 13.008 12.991 12.940 12.875

Ps 213-224 14.581 12.966 12.506 12.230 12.302 12.770 12.957 13.020 13.033 13.695 ~~13.725~~ 13.667

Ps 225-236 14.814 ~~13.776~~ 12.543 12.098 11.911 12.153 12.660 12.686 12.744 13.370 13.704 13.927

Ps 237-245 14.350 14.350 14.353 14.354 14.352 13.758 13.462 13.211 13.177

Pcw = 13.363 L = .0219 Pcb = 12.954 Ptc/Pcw = 1.124 Wc = 1.64 T = 93. B = 29.86

Run 28-4 C1 I1 S1 E1 Eng 2 α=-10° β=0° m/m*=~~.620~~ 0.653 , 0.649

Pt/Pto 131-144
1.000 1.000 1.000 .999 .994 .988 1.000 1.000 1.000 1.000 .996 .989 .975 .972

Cp 330-344
~~-.155~~ -.123 -.383 -.324 -.179 .587 .090 -.244 -.435 -.414 -.345 -.223 -.430 -.171 -.282

Pt/Pto 101-130
.978 .984 .976 .965 1.000 1.000 1.000 1.000 1.000 .989
1.000 1.000 1.001 1.000 1.000 .999 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.026 Ptc/Pto = .997 K = .0352

Cp 310-320
1.012 ~~-.574~~ .577 .418 .297 .070 -.053 -.057 -.089 -.082 -.072

Cp 321-329
.860 .490 .119 -.045 -.081 -.188 -.223 -.186 -.183

Ps 301-309 14.101 12.672 13.184 13.335 13.385 13.367 13.461 13.517 13.551

Ps 201-206 13.398 13.442 13.501 13.443 13.174 13.199

Ps 207-212 12.926 12.971 13.003 12.985 12.936 12.870

Ps 213-224 14.306 12.636 12.239 12.066 12.182 12.772 12.926 12.995 13.015 13.689 ~~13.729~~ 13.659

Ps 225-236 14.864 ~~13.936~~ 12.683 12.205 11.978 ~~12.235~~ 12.672 12.700 12.752 13.369 13.702 13.928

Ps 237-245 14.360 14.358 14.362 14.361 14.361 13.753 13.457 13.206 13.171

Pcv = 13.359 L = .0217 Pcb = 12.949 Ptc/Pcv = 1.125 Mc = 1.64 T = 93. B = 29.86

Run 28-6 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*=~~.620~~ 0.654

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .993 1.000 1.000 1.000 1.000 1.000 .993 .981 .972

Cp 330-344
~~.180~~ .011 -.204 -.206 -.134 .728 .353 .060 -.141 -.173 -.147 -.110 -.385 -.067 -.232

Pt/Pto 101-130
.974 .984 .986 .978 1.001 1.001 1.001 1.001 1.001 1.000
1.000 1.001 1.001 1.001 1.000 1.000 1.000 1.001 1.001 1.001
1.000 1.000 1.001 1.001 1.000 1.000 1.000 1.000 1.001 1.000

Ptc = 15.049 Ptc/Pto = .998 K = .0273

Cp 310-320
.903 ~~.620~~ .876 .673 .552 .317 .109 .083 .022 .006 -.015

Cp 321-329
.697 .295 -.089 -.271 -.292 -.379 -.408 -.343 -.310

Ps 301-309 14.442 12.979 13.369 13.472 13.498 13.425 13.496 13.556 13.599

Ps 201-206 13.429 13.470 13.531 13.480 13.208 13.233

Ps 207-212 12.963 13.009 13.041 13.024 12.974 12.910

Ps 213-224 13.726 12.076 11.822 11.833 12.015 12.772 12.907 12.995 13.026 13.716 ~~13.762~~ 13.683

Ps 225-236 14.911 ~~14.154~~ 12.912 12.404 12.120 ~~12.395~~ 12.727 12.766 12.808 13.404 13.733 13.961

Ps 237-245 14.397 14.397 14.398 14.400 14.398 13.781 13.485 13.239 13.204

Pcw = 13.392 L = .0214 Pcb = 12.987 Ptc/Pcw = 1.124 Wc = 1.64 T = 93. B = 29.87

Run 28-7 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*=~~.620~~ 0.653

Pt/Pto 131-144
1.000 .999 .997 .992 .986 .982 1.000 1.000 .997 .993 .987 .981 .972 .972

Cp 330-344
~~.169~~ -.304 -.574 -.423 -.194 .434 -.219 -.574 -.717 -.612 -.485 -.267 -.398 -.214 -.255

Pt/Pto 101-130
.981 .985 .978 .966 1.000 1.000 1.001 1.000 1.000 .974
1.000 1.000 1.000 1.000 1.000 .976 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.013 Ptc/Pto = .995 K = .0346

Cp 310-320
.909 ~~.614~~ .250 .076 -.020 -.193 -.180 -.155 -.148 -.110 -.065

Cp 321-329
1.020 .802 .458 .278 .212 .052 -.052 -.073 -.129

Ps 301-309 12.756 12.318 12.831 13.088 13.229 13.355 13.454 13.517 13.557

Ps 201-206 13.398 13.442 13.508 13.444 13.179 13.202

Ps 207-212 12.928 12.972 13.005 12.987 12.938 12.873

Ps 213-224 14.805 13.284 12.766 12.387 12.395 12.787 12.977 13.030 13.036 13.692 ~~13.729~~ 13.666

Ps 225-236 14.661 ~~13.486~~ 12.270 11.876 11.762 ~~12.012~~ 12.603 12.640 12.707 13.362 13.698 13.916

Ps 237-245 14.338 14.338 14.338 14.340 14.339 13.756 13.458 13.206 13.173

Pcv = 13.362 L = .0219 Pcb = 12.950 Ptc/Pcv = 1.124 Wc = 1.63 T = 95. B = 29.87

Run 28-8 C1 I1 S1 B1 Eng 2 α=10° β=0° m/m*= ~~.610~~ 0.651

Pt/Pto 131-144

.999	.997	.992	.987	.983	.979	.998	.997	.992	.988	.983	.978	.972	.971

Cp 330-344

~~.155~~	-.374	-.632	-.448	-.198	.378	-.323	-.673	-.786	-.647	-.497	-.257	-.386	-.208	-.244

Pt/Pto 101-130

.983	.984	.980	.964	1.001	1.001	1.001	1.001	1.001	.971
1.001	1.001	1.001	1.001	1.001	.972	1.001	1.001	1.001	1.001
1.001	.987	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.014 Ptc/Pto = .995 X = .0368

Cp 310-320

.802	~~.621~~	.112	-.039	-.122	-.267	-.199	-.165	-.149	-.095	-.046

Cp 321-329

1.025	.899	.591	.401	.321	.130	-.025	-.077	-.170

Ps 301-309 12.591 12.224 12.681 12.971 13.156 13.343 13.442 13.503 13.542

Ps 201-206 13.382 13.425 13.493 13.429 13.167 13.186

Ps 207-212 12.910 12.953 12.986 12.967 12.920 12.854

Ps 213-224 14.913 13.473 12.916 12.473 12.436 12.752 12.975 13.023 13.023 13.679 ~~13.715~~ 13.654

Ps 225-236 14.464 ~~13.193~~ 11.995 11.655 11.615 ~~11.870~~ 12.536 12.585 12.663 13.341 13.681 13.893

Ps 237-245 14.332 14.332 14.333 14.333 14.333 13.743 13.443 13.189 13.156

Pcw = 13.347 L = .0217 Pcb = 12.932 Ptc/Pcw = 1.125 Wc = 1.64 T = 95. B = 29.87

Run 28-9 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*=~~.627~~ 0.653

Pt/Pto 131-144

.998	.994	.989	.985	.981	.979	.997	.995	.990	.987	.982	.977	.971	.970

Cp 330-344

~~.107~~	-.460	-.673	-.449	-.203	.314	-.430	-.748	-.809	-.623	-.452	-.208	-.370	-.172	-.238

Pt/Pto 101-130

.985	.983	.957	.958	1.001	1.001	1.001	1.000	.974	.971
1.001	1.001	1.001	1.001	.989	.982	1.001	1.001	1.001	1.001
.999	.994	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 14.989 Ptc/Pto = .994 K = .0447

Cp 310-320

.639	~~.627~~	-.027	-.152	-.210	-.310	-.173	-.113	-.110	-.053	-.030

Cp 321-329

.901	.965	.753	.557	.465	.240	-.002	-.103	-.220

Ps 301-309 12.587 12.172 12.327 12.588 12.850 13.308 13.413 13.476 13.512

Ps 201-206 13.353 13.396 13.454 13.401 13.133 13.153

Ps 207-212 12.872 12.917 12.947 12.929 12.880 12.817

Ps 213-224 14.998 13.673 13.079 12.562 12.470 12.728 12.959 13.007 12.999 13.653 ~~13.693~~ 13.629

Ps 225-236 13.995 ~~12.605~~ 11.505 11.291 11.385 ~~11.688~~ 12.431 12.504 12.609 13.325 13.635 13.814

Ps 237-245 14.336 14.337 14.336 14.338 14.336 13.721 13.412 13.152 13.121

Pcw = 13.315 L = .0214 Pcb = 12.894 Ptc/Pcw = 1.126 Wc = 1.64 T = 95. B = 29.87

Run 28-10 C1 I1 S1 B1 Eng 2 α=0° β=-4° m/m*= ~~.620~~ 0.655

k k lkkkk k999 k999 k995 k988 k983 1.000 1.000 1.000 .997 .990 .984 .972 .972

Cp 330-344

~~.660~~ -.177 -.479 -.383 -.180 .463 -.150 -.497 -.655 -.575 -.464 -.273 -.422 -.207 -.269

Pt/Pto 101-130

.978 .980 .970 .970 1.000 1.001 1.001 1.000 .986 .981
1.001 1.001 1.001 1.001 1.000 .982 1.001 1.001 1.001 1.001
1.001 .996 1.001 1.000 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.012 Ptc/Pto = .995 K = .0315

Cp 310-320

.950 ~~.645~~ .361 .167 .060 -.132 -.173 -.157 -.152 -.124 -.088

Cp 321-329

1.026 .903 .608 .405 .325 .139 .004 -.026 -.090

Ps 301-309 12.594 12.138 12.657 12.954 13.147 13.354 13.459 13.514 13.563

Ps 201-206 13.410 13.455 13.501 13.455 13.193 13.213

Ps 207-212 12.941 12.986 13.017 13.000 12.950 12.887

Ps 213-224 14.652 13.017 12.516 12.183 12.226 12.720 12.905 12.981 13.002 13.698 ~~13.710~~ 13.671

Ps 225-236 14.414 ~~13.078~~ 11.845 11.505 11.499 ~~11.744~~ 12.485 12.556 12.655 13.364 13.686 13.866

Ps 237-245 14.342 14.342 14.343 14.344 14.343 13.659 13.470 13.212 13.178

Pcv = 13.371 L = .0205 Pcb = 12.964 Ptc/Pcv = 1.123 Wc = 1.63 T = 95. B = 29.87

Run 28-11 C1 I1 S1 E1 Eng 2 α=0° β=-10° m/m*=~~.610~~ 0.652

Pt/Pto 131-144

.999	.998	.999	.996	.989	.983	.999	1.000	1.000	.998	.991	.984	.972	.970

Cp 330-344

~~.337~~	-.109	-.452	-.401	-.221	.406	-.189	-.522	-.672	-.596	-.489	-.327	-.518	-.245	-.349

Pt/Pto 101-130

.975	.945	.975	.973	1.000	1.000	1.000	.957	.982	.980
1.000	1.000	1.000	.968	.982	.980	1.000	1.000	1.000	.983
.990	.994	1.001	1.001	1.001	.999	1.000	1.000	1.001	1.000

Ptc = 14.928 Ptc/Pto = .990 K = .0567

Cp 310-320

.855	.650	.319	.140	.033	-.169	-.239	-.233	-.232	-.195	-.165

Cp 321-329

.810	1.020	.862	.668	.569	.341	.127	.052	-.046

Ps 301-309 12.088 11.471 12.100 12.489 12.760 13.141 13.237 13.273 13.347

Ps 201-206 13.219 13.287 13.327 13.275 12.980 13.000

Ps 207-212 12.694 12.750 12.788 12.759 12.708 12.639

Ps 213-224 14.473 12.672 12.131 11.777 11.838 12.455 12.632 12.717 12.746 13.489 ~~13.568~~ 13.485

Ps 225-236 13.624 12.104 11.006 10.958 11.165 ~~11.670~~ 11.964 12.155 12.312 13.014 13.365 13.578

Ps 237-245 14.294 14.294 14.295 14.295 14.294 13.485 13.247 12.955 12.947

Pcw = 13.181 L = .0232 Pcb = 12.723 Ptc/Pcw = 1.132 Wc = 1.67 T = 95. B = 29.87

Run 28-12 C1 I1 S1 B1 Eng 2 α=0° β=4° m/m*=~~.620~~ 0.651

Pt/Pto 131-144
1.000 1.000 .999 .995 .988 .984 1.000 1.000 .999 .996 .989 .982 .973 .972

Cp 330-344
~~.071~~ -.348 -.590 -.440 -.230 .472 -.140 -.495 -.657 -.577 -.468 -.278 -.447 -.234 -.298

Pt/Pto 101-130
.980 .989 .985 .959 1.000 1.001 1.001 1.000 1.000 .984
1.001 1.001 1.001 1.001 1.000 .995 1.000 1.001 1.001 1.001
1.001 1.000 1.001 1.001 1.001 1.000 1.000 1.000 1.000 1.001

Ptc = 15.034 Ptc/Pto = .997 K = .0417

Cp 310-320
.974 ~~.662~~ .349 .158 .049 -.143 -.159 -.137 -.154 -.123 -.088

Cp 321-329
.845 .473 .102 -.032 -.060 -.152 -.175 -.140 -.146

Ps 301-309 13.987 12.686 13.186 13.331 13.381 13.358 13.448 13.509 13.545

Ps 201-206 13.377 13.420 13.489 13.427 13.162 13.179

Ps 207-212 12.903 12.948 12.983 12.964 12.915 12.849

Ps 213-224 14.718 13.179 12.700 12.381 12.411 12.790 13.000 13.046 13.046 13.682 ~~13.688~~ 13.651

Ps 225-236 14.932 ~~14.087~~ 12.874 12.391 12.120 ~~12.359~~ 12.713 12.750 12.786 13.364 13.698 13.933

Ps 237-245 14.326 14.326 14.327 14.328 14.327 13.737 13.438 13.188 13.164

Pcw = 13.342 L = .0218 Pcb = 12.927 Ptc/Pcw = 1.127 Wc = 1.65 T = 95. B = 29.87

Run 28-13 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m*= ~~.610~~ 0.651

Pt/Pto 131-144
1.000 1.000 1.000 .996 .989 .984 .998 .998 .998 .995 .986 .977 .973 .971

Cp 330-344
~~-.125~~ -.530 -.714 -.533 -.328 .427 -.160 -.511 -.672 -.595 -.491 -.319 -.526 -.292 -.371

Pt/Pto 101-130
.982 .994 .993 .970 .995 1.000 1.001 1.001 1.001 .997
1.000 1.001 1.001 1.001 1.001 1.000 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.056 Ptc/Pto = .998 K = .0311

Cp 310-320
.933 ~~-.681~~ .297 .102 -.011 -.200 -.201 -.176 -.230 -.188 -.162

Cp 321-329
.38 -.027 -.354 -.394 -.368 -.371 -.305 -.224 -.188

Ps 301-309 14.438 13.197 13.456 13.525 13.528 13.409 13.458 13.524 13.564

Ps 201-206 13.385 13.422 13.498 13.443 13.174 13.190

Ps 207-212 12.915 12.962 12.994 12.978 12.927 12.860

Ps 213-224 14.728 13.276 12.820 12.527 12.556 12.807 13.089 13.112 13.098 13.693 ~~13.744~~ 13.658

Ps 225-236 14.989 ~~14.600~~ 13.524 12.990 12.579 ~~12.755~~ 12.849 12.915 12.915 13.401 13.724 13.973

Ps 237-245 14.302 14.301 14.303 14.303 14.302 13.740 13.445 13.203 13.167

Pcw = 13.352 L = .0215 Pcb = 12.939 Ptc/Pcw = 1.128 Wc = 1.66 T = 95. B = 29.87

Run 28-14 C1 I1 S1 B1 Eng 2 α=4° β=10° m/m*= ~~.610~~ 0.655 0.649

Pt/Pto 131-144
1.000 1.000 .999 .994 .987 .982 .998 .998 .996 .992 .982 .973 .972 .971

Cp 330-344
~~-.091~~ -.540 -.724 -.513 -.284 .378 -.245 -.596 -.739 -.637 -.516 -.320 -.515 -.280 -.344

Pt/Pto 101-130
.984 .993 .992 .990 .997 1.000 1.001 1.001 1.001 .985
1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.049 Ptc/Pto = .998 K = .0413

Cp 310-320
.881 .679 .205 .021 -.090 -.249 -.206 -.171 -.208 -.158 -.120

Cp 321-329
.536 .128 -.197 -.259 -.248 -.274 -.231 -.176 -.155

Ps 301-309 14.255 13.072 13.396 13.478 13.494 13.400 13.461 13.524 13.557

Ps 201-206 13.386 13.422 13.500 13.437 13.176 13.190

Ps 207-212 12.916 12.961 12.994 12.976 12.928 12.860

Ps 213-224 14.839 13.440 12.956 12.610 12.605 12.818 13.101 13.122 13.103 13.693 ~~13.721~~ 13.660

Ps 225-236 14.99[illegible] ~~14.508~~ 13.416 12.896 12.513 ~~12.702~~ 12.834 12.895 12.902 13.397 13.723 13.969

Ps 237-245 14.291 14.291 14.291 14.293 14.290 13.744 13.444 13.202 13.167

Pcw = 13.352 L = .0215 Pcb = 12.939 Ptc/Pcw = 1.127 Wc = 1.66 T = 95. B = 29.87

Run 28-15 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m*=~~.610~~ 0.652

Pt/Pto 131-144

1.000	1.000	.997	.992	.986	.982	1.000	1.000	.997	.992	.986	.979	.972	.972

Cp 330-344

~~-.085~~	-.383	-.622	-.445	-.213	.427	-.223	-.577	-.723	-.618	-.493	-.278	-.428	-.231	-.274

Pt/Pto 101-130

.982	.989	.986	.961	1.000	1.001	1.001	1.001	1.001	.973
1.001	1.001	1.001	1.001	1.001	.983	1.001	1.001	1.001	1.001
1.001	.999	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.030 Ptc/Pto = .996 K = .0405

Cp 310-320

.914	~~.687~~	.242	.065	-.032	-.204	-.176	-.146	-.149	-.110	-.065

Cp 321-329

.926	.583	.222	.075	.036	-.075	-.124	-.109	-.136

Ps 301-309 13.428 12.540 13.064 13.263 13.342 13.366 13.456 13.519 13.550

Ps 201-206 13.384 13.429 13.501 13.435 13.174 13.189

Ps 207-212 12.915 12.960 12.993 12.975 12.927 12.860

Ps 213-224 14.835 13.361 12.853 12.481 12.479 12.783 13.026 13.064 13.059 13.688 ~~13.722~~ 13.658

Ps 225-236 14.889 ~~13.969~~ 12.760 12.306 12.064 ~~12.309~~ 12.704 12.738 12.780 13.370 13.704 13.935

Ps 237-245 14.320 14.320 14.321 14.322 14.320 13.745 13.446 13.198 13.166

Pcw = 13.352 L = .0218 Pcb = 12.938 Ptc/Pcw = 1.126 Wc = 1.64 T = 96. B = 29.87

Run 28-16 C1 I1 S1 B1 Eng 2 α=4° β=-4° m/m*=~~.620~~ 0.651

Pt/Pto 131-144

1.000	.999	.998	.992	.986	.981	1.000	1.000	.999	.994	.988	.982	.972	.972

Cp 330-344

~~-.243~~	-.244	-.546	-.424	-.203	.421	-.234	-.582	-.722	-.618	-.490	-.280	-.424	-.221	-.278

Pt/Pto 101-130

.979	.979	.968	.969	1.001	1.001	1.001	1.001	.984	.978
1.001	1.001	1.001	1.001	.999	.979	1.001	1.001	1.001	1.001
1.001	.992	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.006 Ptc/Pto = .995 K = .0329

Cp 310-320

.894	~~-.694~~	.254	.079	-.019	-.200	-.205	-.185	-.180	-.136	-.092

Cp 321-329

1.003	.963	.677	.477	.391	.188	.020	-.032	-.117

Ps 301-309 12.471 12.050 12.514 12.811 13.025 13.298 13.409 13.468 13.516

Ps 201-206 13.358 13.404 13.454 13.407 13.141 13.155

Ps 207-212 12.876 12.922 12.954 12.937 12.886 12.822

Ps 213-224 14.735 13.114 12.573 12.181 12.200 12.673 12.856 12.927 12.945 13.655 ~~13.695~~ 13.629

Ps 225-236 14.242 ~~12.839~~ 11.600 11.295 1 .329 ~~11.618~~ 12.381 12.468 12.578 13.313 13.633 13.809

Ps 237-245 14.321 14.322 14.322 14.324 14.322 13.722 13.418 13.154 13.124

Pcv = 13.320 L = .0208 Pcb = 12.899 Ptc/Pcv = 1.127 Wc = 1.65 T = 96. B = 29.87

Run 28-17 C1 I1 S1 E1 Eng 2 α=4° β=-10° m/m*=~~.610~~ 0.651

Pt/Pto 131-144

.999 .998 .998 .994 .987 .982 .999 1.000 .999 .996 .989 .982 .971 .970

Cp 330-344

~~-.295~~ -.203 -.543 -.468 -.274 .363 -.271 -.604 -.736 -.636 -.516 -.334 -.523 -.269 -.371

Pt/Pto 101-130

.975 .940 .972 .970 1.001 1.001 1.001 .950 .980 .977
1.001 1.001 1.001 .959 .978 .977 1.001 1.001 1.001 .973
.984 .991 1.001 1.001 1.001 .995 .998 1.000 1.001 1.001

Ptc = 14.898 Ptc/Pto = .988 K = .0621

Cp 310-320

.808 ~~.699~~ .215 .040 -.059 -.248 -.287 -.284 -.272 -.221 -.188

Cp 321-329

.719 1.013 .887 .700 .597 .356 .114 .013 -.105

Ps 301-309 11.860 11.290 11.959 12.393 12.699 13.091 13.192 13.232 13.304

Ps 201-206 13.181 13.248 13.300 13.241 12.944 12.955

Ps 207-212 12.649 12.708 12.751 12.714 12.663 12.594

Ps 213-224 14.579 12.809 12.234 11.820 11.829 12.393 12.601 12.684 12.708 13.443 ~~13.518~~ 13.449

Ps 225-236 13.424 ~~11.887~~ 10.886 10.916 11.140 ~~11.635~~ 11.875 12.059 12.209 12.945 13.312 13.529

Ps 237-245 14.274 14.274 14.275 14.276 14.275 13.498 13.196 12.901 12.891

Pcw = 13.145 L = .0239 Pcb = 12.680 Ptc/Pcw = 1.133 Wc = 1.67 T = 96. B = 29.87

Run 28-18 C1 I1 S1 B1 Eng 2 α=-4° β=-10° m/m* ~~.630~~ 0.651

Pt/Pto 131-144

.999	.998	.999	.997	.991	.984	.999	1.000	1.000	.999	.993	.986	.971	.970

Cp 330-344

~~.385~~	-.019	-.363	-.332	-.171	.451	-.101	-.429	-.593	-.540	-.450	-.315	-.523	-.220	-.339

Pt/Pto 101-130

.974	.948	.978	.974	1.001	1.001	1.001	.963	.984	.982
1.001	1.001	1.001	.975	.984	.983	1.001	1.001	1.001	.992
.994	.996	1.001	1.001	1.001	1.000	1.001	1.001	1.001	1.001

Ptc = 14.953 Ptc/Pto = .991 K = .0532

Cp 310-320

.886	~~.711~~	.444	.252	.138	-.075	-.179	-.178	-.171	-.158	-.132

Cp 321-329

.874	1.027	.832	.631	.534	.319	.131	.074	-.017

Ps 301-309 12.269 11.511 12.149 12.533 12.798 13.166 13.263 13.307 13.372

Ps 201-206 13.232 13.300 13.335 13.288 13.002 13.012

Ps 207-212 12.715 12.767 12.804 12.778 12.726 12.657

Ps 213-224 14.313 12.459 11.950 11.658 11.760 12.470 12.616 12.709 12.750 13.513 ~~13.530~~ 13.502

Ps 225-236 13.756 ~~12.220~~ 11.043 10.908 11.137 ~~11.595~~ 11.987 12.209 12.371 13.064 13.396 13.602

Ps 237-245 14.290 14.291 14.292 14.292 14.292 13.558 13.273 12.981 12.962

Pcv = 13.195 L = .0223 Pcb = 12.741 Ptc/Pcv = 1.133 Wc = 1.68 T = 95. B = 29.87

Run 28-19 C1 I1 S1 B1 Eng 2 α=-4° β=-4° m/m*= ~~.610~~ 0.654

Pt/Pto 131-144
1.000 .999 1.000 .998 .990 .985 1.000 1.000 1.000 .999 .993 .986 .973 .972

Cp 330-344
~~.279~~ -.108 -.415 -.340 -.162 .507 -.061 -.406 -.577 -.523 -.429 -.272 -.455 -.198 -.293

Pt/Pto 101-130
.976 .978 .968 .967 1.000 1.001 1.001 1.001 .987 .981
1.001 1.001 1.001 1.001 1.000 .984 1.001 1.001 1.001 1.001
1.001 .998 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.011 Ptc/Pto = .995 K = .0342

Cp 310-320
.989 ~~.710~~ .483 .286 .171 -.042 -.125 -.118 -.121 -.104 -.078

Cp 321-329
1.018 .880 .552 .350 .273 .100 -.017 -.030 -.087

Ps 301-309 12.611 12.003 12.587 12.905 13.090 13.253 13.363 13.425 13.469

Ps 201-206 13.302 13.351 13.404 13.350 13.079 13.091

Ps 207-212 12.803 12.851 12.886 12.865 12.813 12.745

Ps 213-224 14.455 12.693 12.204 11.914 11.999 12.575 12.763 12.846 12.872 13.613 ~~13.637~~ 13.582

Ps 225-236 14.451 ~~13.105~~ 11.786 11.390 11.343 ~~11.600~~ 12.359 12.423 12.521 13.263 13.607 13.806

Ps 237-245 14.320 14.321 14.322 14.317 14.322 13.675 13.365 13.095 13.068

Pcv = 13.263 L = .0216 Pcb = 12.827 Ptc/Pcv = 1.132 Wc = 1.67 T = 95. B = 29.87

Run 28-20 C1 I1 S1 B1 Eng 2 α=-4° β=4° m/m*=~~.610~~ 0.653

Pt/Pto 131-144
1.000 1.000 1.000 .998 .991 .985 1.000 1.000 1.000 .999 .992 .984 .974 .972

Cp 330-344
.054 -.311 -.553 -.427 -.242 .516 -.052 -.403 -.578 -.528 -.429 -.265 -.452 -.228 -.313

Pt/Pto 101-130
.979 .989 .986 .962 1.000 1.001 1.001 1.001 1.001 .988
1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.045 Ptc/Pto = .997 K = .0389

Cp 310-320
1.015 .724 .461 .253 .134 -.073 -.131 -.119 -.152 -.127 -.103

Cp 321-329
.771 .370 -.002 -.138 -.156 -.232 -.236 -.188 -.185

Ps 301-309 14.178 12.815 13.252 13.368 13.404 13.345 13.425 13.490 13.526

Ps 201-206 13.349 13.393 13.464 13.405 13.135 13.150

Ps 207-212 12.868 12.915 12.950 12.931 12.880 12.811

Ps 213-224 14.583 12.981 12.527 12.259 12.314 12.754 12.955 13.007 13.010 13.661 13.679 13.626

Ps 225-236 14.957 14.176 12.958 12.448 12.140 12.375 12.696 12.735 12.766 13.344 13.682 13.922

Ps 237-245 14.327 14.327 14.328 14.329 14.327 13.715 13.412 13.159 13.134

Pcw = 13.316 L = .0219 Pcb = 12.893 Ptc/Pcw = 1.130 Wc = 1.67 T = 95. B = 29.87

Run 28-22 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m*=~~.610~~ 0.657, 0.650

Pt/Pto 131-144
1.000 1.000 1.000 .998 .991 .986 .999 .999 .998 .997 .989 .980 .974 .971

Cp 330-344
~~-.167~~ -.518 -.703 -.546 -.368 .470 -.075 -.420 -.594 -.542 -.453 -.307 -.533 -.296 -.396

Pt/Pto 101-130
.981 .994 .995 .974 .994 1.000 1.001 1.001 1.001 1.000
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.066 Ptc/Pto = .999 K = .0270

Cp 310-320
.957 ~~-.739~~ .393 .186 .063 -.142 -.188 -.175 -.240 -.212 -.198

Cp 321-329
.232 -.183 -.502 -.528 -.488 -.473 -.394 -.297 -.234

Ps 301-309 14.622 13.219 13.507 13.560 13.553 13.369 13.448 13.507 13.550

Ps 201-206 13.361 13.401 13.479 13.429 13.157 13.166

Ps 207-212 12.887 12.936 12.969 12.951 12.900 12.833

Ps 213-224 14.596 13.084 12.660 12.416 12.468 12.821 13.048 13.080 13.064 13.677 ~~13.709~~ 13.641

Ps 225-236 14.975 ~~14.662~~ 13.601 13.047 12.604 ~~12.765~~ 12.844 12.907 12.902 13.385 13.712 13.966

Ps 237-245 14.308 14.306 14.309 14.309 14.308 13.720 13.425 13.179 13.145

Pcv = 13.332 L = .0214 Pcb = 12.913 Ptc/Pcv = 1.130 Wc = 1.67 T = 95. B = 29.88

Run 29-1 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m = ~~[illegible]~~ 0.719

Pt/Pto 131-144

1.000	1.000	.999	.995	.988	.983	1.000	1.000	.999	.996	.989	.983	.972	.972

Cp 330-344

~~-.170~~	-.250	-.534	-.407	-.206	.473	-.149	-.497	-.657	-.580	-.475	-.307	-.512	-.245	-.346

Pt/Pto 101-130

.976	.981	.968	.962	1.000	1.001	1.001	1.001	1.000	.972
1.001	1.001	1.001	1.001	1.001	.974	1.001	1.001	1.001	1.001
1.001	.994	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.001 Ptc/Pto = .995 K = .0396

Cp 310-320

1.003	~~-.216~~	.440	.241	.122	-.088	-.141	-.126	-.133	-.104	-.071

Cp 321-329

1.018	.799	.447	.255	.185	.025	-.065	-.070	-.114

Ps 301-309	12.433	11.708	12.325	12.662	12.848	12.985	13.089	13.159	13.207			
Ps 201-206	13.014	13.076	13.137	13.059	12.743	12.788						
Ps 207-212	12.427	12.485	12.522	12.497	12.434	12.357						
Ps 213-224	14.479	12.595	12.028	11.646	11.681	12.264	12.476	12.551	12.563	13.384	~~13.582~~	13.340
Ps 225-236	14.553	13.205	11.740	11.224	11.047	11.346	12.059	12.098	12.181	12.985	13.389	13.656
Ps 237-245	14.308	14.308	14.309	14.309	14.308	13.431	13.103	12.795	12.751			

Pcw = 12.970 L = .0262 Pcb = 12.454 Ptc/Pcw = 1.157 Wc = 1.82 T = 71. B = 29.86

Run 29-2 C1 I1 S1 B. Eng 2 α=-4° β=0° m/m* = [illegible] 0.720

Pt/Pto 131-144
1.000 1.000 1.000 .997 .990 .985 1.000 1.000 1.000 .999 .992 .985 .972 .972

Cp 330-344
~~.172~~ -.201 -.486 -.380 -.204 .512 -.065 -.410 -.584 -.531 -.440 -.299 -.523 -.235 -.354

Pt/Pto 101-130
.975 .980 .965 .961 1.000 1.001 1.000 1.001 1.000 .974
1.000 1.001 1.000 1.000 1.000 .970 1.000 1.001 1.001 1.001
1.000 .997 1.000 1.001 1.001 1.000 1.000 1.000 1.000 1.001

Ptc = 15.007 Ptc/Pto = .995 K = .0402

Cp 310-320
1.005 ~~-.181~~ .536 .330 .204 -.019 -.108 -.102 -.120 -.101 -.076

Cp 321-329
.991 .724 .355 .167 .106 -.037 -.109 -.097 -.124

Ps 301-309 12.870 11.742 12.436 12.759 12.907 12.986 13.095 13.163 13.210

Ps 201-206 13.017 13.078 13.137 13.061 12.740 12.788

Ps 207-212 12.428 12.486 12.523 12.497 12.434 12.356

Ps 213-224 14.325 12.393 11.861 11.537 11.609 12.239 12.457 12.539 12.556 13.387 ~~13.496~~ 13.342

Ps 225-236 14.638 13.342 11.860 11.317 11.098 11.395 12.080 12.112 12.191 12.988 13.394 13.663

Ps 237-245 14.309 14.310 14.310 14.311 14.309 13.437 13.104 12.797 13.113

Pcw = 12.970 L = .0264 Pcb = 12.454 Ptc/Pcw = 1.157 Wc = 1.82 T = 75. B = 29.87

Run 29-3 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m = ~~[illegible]~~ 0.720 0.725

Pt/Pto 131-144

1.000	1.000	1.000	1.000	.994	.988	1.000	1.000	1.000	1.000	.996	.988	.972	.972

Cp 330-344

~~.160~~	-.117	-.389	-.325	-.186	.586	.082	-.248	-.439	-.420	-.356	-.261	-.528	-.201	-.356

Pt/Pto 101-130

.973	.980	.965	.956	1.000	1.001	1.001	1.001	1.000	.980
1.000	1.000	1.001	1.000	1.000	.992	1.000	1.001	1.001	1.000
1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 15.014 Ptc/Pto = .995 K = .0452

Cp 310-320

.989	~~-.155~~	.685	.479	.351	.110	-.035	-.043	-.078	-.073	-.064

Cp 321-329

.923	.608	.216	.033	-.018	-.142	-.193	-.162	-.169

Ps 301-309	13.634	11.889	12.665	12.924	13.012	13.001	13.118	13.187	13.231			
Ps 201-206	13.036	13.097	13.153	13.080	12.760	12.808						
Ps 207-212	12.453	12.508	12.545	12.522	12.457	12.381						
Ps 213-224	14.017	12.058	11.599	11.390	11.521	12.271	12.453	12.542	12.566	13.401	~~13.454~~	13.356
Ps 225-236	14.727	13.524	12.051	11.475	11.214	11.498	12.134	12.161	12.231	13.010	13.412	13.682
Ps 237-245	14.316	14.317	14.317	14.317	14.315	13.457	13.123	12.818	12.773			

Pcw = 12.989 L = .0262 Pcb = 12.478 Ptc/Pcw = 1.156 Wc = 1.81 T = 79. B = 29.87

Run 29-4 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m*= 0.720

Pt/Pto 131-144

1.000 1.000 1.000 1.000 .998 .992 1.000 1.000 1.000 1.000 .992 .993 .976 .971

Cp 330-344

~~.036~~ .014 -.216 -.219 -.143 .719 .343 .040 -.151 -.186 -.163 -.154 -.497 -.101 -.317

Pt/Pto 101-130

.970 .980 .977 .987 1.000 1.001 1.001 1.001 1.000 .992
1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001 1.001 1.001
1.000 1.001 1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001

Pto = 15.037 Pte/Pto = .997 K = .0037

Cp 310-320

.719 ~~-.143~~ .897 .715 .500 .348 .121 .093 .028 .011 -.012

Cp 321-329

.777 .404 .005 -.194 -.232 -.340 -.384 -.326 -.295

Ps 301-309 14.116 12.241 12.890 13.064 13.112 13.028 13.131 13.201 13.243

Ps 201-206 13.049 13.104 13.158 13.096 12.767 12.818

Ps 207-212 12.461 12.514 12.557 12.533 12.468 12.389

Ps 213-224 13.344 11.401 11.101 11.099 11.305 12.266 12.414 12.519 12.554 13.407 ~~13.444~~ 13.360

Ps 225-236 14.799 13.750 12.284 11.670 11.345 11.618 12.177 12.203 12.265 13.021 13.424 13.699

Ps 237-245 14.344 14.344 14.345 14.346 14.345 13.463 13.130 12.826 12.781

Pcw = 12.999 L = .0200 Pcb = 12.487 Pte/Pcw = 1.157 Wc = 1.81 T = 81. B = 29.87

Run 29-5 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m* ~~.677~~ 0.724

Pt/Pto 131-144
1.000 1.000 .997 .992 .986 .981 1.000 1.000 .997 .993 .986 .980 .972 .972

Cp 300-344
~~-.171~~ -.303 -.586 -.433 -.213 .431 -.231 -.584 -.725 -.625 -.503 -.312 -.514 -.251 -.346

Pt/Pto 101-130
.978 .980 .968 .958 1.000 1.001 1.001 1.001 1.000 .971
1.001 1.001 1.001 1.001 1.001 .974 1.001 1.001 1.001 1.001
1.001 .993 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.007 Ptc/Pto = .995 K = .0435

Cp 310-320
.967 ~~-.098~~ .344 .151 .042 -.154 -.167 -.146 -.143 -.[illegible]5 -.063

Cp 321-329
1.026 .865 .537 .340 .263 .087 -.034 -.061 -.118

Ps 301-309 12.279 11.625 12.214 12.577 12.802 12.975 13.081 13.156 13.200

Ps 201-206 13.011 13.065 13.128 13.052 12.729 12.778

Ps 207-212 12.415 12.472 12.508 12.484 12.421 12.344

Ps 213-224 14.613 12.767 12.167 11.727 11.740 12.286 12.486 12.551 12.558 13.375 ~~13.423~~ 13.338

Ps 225-236 14.439 13.021 11.564 11.078 10.952 11.257 12.021 12.067 12.157 12.974 13.382 13.644

Ps 237-245 14.290 14.291 14.290 14.291 14.291 13.428 13.091 12.785 12.741

Pcw = 12.961 L = .0266 Pcb = 12.441 Ptc/Pcw = 1.158 Wc = 1.81 T = 84. B = 29.87

Run 29-6 Cl 11 S1 B1 Eng 2 α=10° β=0° m/m* = ~~[illegible]~~ 0.725

Pt/Pto 131-144

.999	.997	.993	.988	.982	.979	.999	.997	.992	.987	.982	.976	.971	.971

Cp 330-344

~~-.15~~	-.370	-.640	-.454	-.217	.373	-.333	-.675	-.790	-.653	-.511	-.297	-.495	-.244	-.332

Pt/Pto 101-130

.979	.979	.971	.955	1.001	1.001	1.001	1.001	1.000	.966
1.001	1.001	1.001	1.001	1.001	.972	1.001	1.001	1.001	1.001
1.001	.988	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.006 Ptc/Pto = .994 K = .0464

Cp 310-320

.903	~~-.088~~	.225	.043	-.053	-.222	-.182	-.153	-.142	-.090	-.043

Cp 321-329

1.001	.945	.658	.456	.365	.163	-.006	-.069	-.157

Ps 301-309	12.183	11.638	12.089	12.446	12.709	12.985	13.097	13.170	13.213			
Ps 201-206	13.028	13.082	13.145	13.070	12.749	12.798						
Ps 207-212	12.437	12.493	12.527	12.503	12.444	12.368						
Ps 213-224	14.761	12.992	12.353	11.843	11.813	12.311	12.509	12.570	12.573	13.390	~~13.426~~	13.355
Ps 225-236	14.213	12.709	11.285	10.863	10.822	11.146	11.978	12.045	12.147	12.985	13.391	13.640
Ps 237-245	14.287	14.289	14.289	14.287	14.287	13.448	13.109	12.803	12.761			

Pcw = 12.978 L = .0264 Pcb = 12.462 Ptc/Pcw = 1.156 Wc = 1.80 T = 86. B = 29.88

Run 29-7 C1 I1 S1 E1 Eng 2 α=20° β=0° m/m*= ~~[illegible]~~ 0.719 0.723

Pt/Pto 131-144

.998	.995	.990	.986	.981	.978	.998	.996	.991	.987	.981	.976	.970	.970

Cp 330-344

~~-.116~~	-.456	-.682	-.457	-.223	.313	-.440	-.752	-.812	-.630	-.465	-.242	-.471	-.204	-.318

Pt/Pto 101-130

.981	.977	.947	.948	1.001	1.001	1.001	1.000	.968	.965
1.001	1.001	1.001	1.001	.985	.979	1.001	1.001	1.001	1.001
.998	.994	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 14.975 Ptc/Pto = .992 K = .0547

Cp 310-320

.774	~~-.099~~	.078	-.067	-.141	-.268	-.158	-.103	-.103	-.046	-.027

Cp 321-329

.813	.981	.798	.602	.505	.266	.009	-.094	-.211

Ps 301-309 12.113 11.623 11.702 11.966 12.282 12.933 13.063 13.140 13.177

Ps 201-206 12.993 13.044 13.099 13.035 12.708 12.759

Ps 207-212 12.389 12.447 12.484 12.456 12.397 12.323

Ps 213-224 14.891 13.223 12.539 11938 11.841 12.290 12.483 12.539 12.537 13.355 ~~13.409~~ 13.323

Ps 225-236 13.674 12.075 10.741 10.443 10.557 11.020 11.854 11.955 12.083 12.961 13.330 13.542

Ps 237-245 14.286 14.288 14.287 14.288 14.288 13.420 13.070 12.757 12.716

Pcw = 12.940 L = .0261 Pcb 12.416 Ptc/Pcw = 1.157 Wc = 1.80 T = 86. B = 29.88

Run 29-8 C1 11 S1 B1 Eng 2 α=0° β=-4° m/m*=~~.677~~ 0.725

Pt/Pto 131-144
1.000 1.000 1.000 .995 .988 .983 1.000 1.000 1.000 .997 .990 .983 .972 .972

Cp 330-344
~~.097~~ -.175 -.491 -.389 -.197 .459 -.161 -.505 -.662 -.584 -.477 -.315 -.530 -.243 -.360

Pt/Pto 101-130
.975 .975 .964 .962 1.001 1.001 1.001 1.001 .980 .979
1.001 1.001 1.001 1.001 .998 .976 1.001 1.001 1.001 1.001
1.001 .992 1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001

Ptc = 14.986 Ptc/Pto = .994 K = .0395

Cp 316-320
.966 ~~.039~~ .442 .238 .102 -.092 -.158 -.147 -.146 -.117 -.085

Cp 321-329
.995 .961 .676 .464 .373 .174 .024 -.012 -.084

Ps 301-309 12.213 11.503 12.050 12.403 12.656 12.956 13.075 13.145 13.196

Ps 201-206 13.014 13.070 13.108 13.053 12.729 12.777

Ps 207-212 12.417 12.473 12.509 12.484 12.421 12.346

Ps 213-224 14.402 12.446 11.858 11.470 11.533 12.228 12.398 12.402 12.506 13.369 ~~13.405~~ 13.332

Ps 225-236 14.126 12.5[illegible] 11.084 10.[illegible]1 10.646 10.960 11.867 11.968 12.096 12.967 13.340 13.551

Ps 237-245 14.278 14.276 14.279 14.280 14.280 13.444 13.092 12.779 12.736

Pcw = 12.958 L = .0253 Pcb = 12.442 Ptc/Pcw = 1.157 Nc = 1.80 T = 86. B = 29.86

Run 29-9 C1 I1 S1 B1 Eng 2 α 0° β -10° m/m [illegible] 0.7[illegible]

Pt/Pto 131-144

.999	.999	.999	.996	.989	.983	.999	1.000	1.000	.998	.991	.984	.971	.970

Cp 330-344

~~.350~~	-.113	-.466	-.413	-.245	.402	-.202	-.529	-.680	-.606	-.502	-.365	-.624	-.282	-.449

Pt/Pto 101-130

.971	.932	.972	.964	1.001	1.001	1.001	.947	.976	.976
1.001	1.001	1.001	.960	.974	.978	1.001	1.001	1.001	.979
.984	.994	1.001	1.001	1.001	.998	.999	1.001	1.001	1.001

Ptc = 14.886 Ptc/Pto = .987 K = .0694

Cp 310-320

.853	~~-.034~~	.391	.194	.080	-.137	-.228	-.226	-.230	-.191	-.165

Cp 321-329

.706	1.027	.900	.703	.601	.365	.143	.060	-.040

Ps 301-309	11.613	14.526	11.337	11.907	12.300	12.727	12.815	12.861	12.939			
Ps 201-206	12.792	12.873	12.910	12.844	12.481	12.533						
Ps 207-212	12.129	12.199	12.257	12.203	12.137	12.054						
Ps 213-224	14.213	12.101	11.473	11.046	11.114	11.937	12.099	12.196	12.227	13.116	~~13.051~~	13.115
Ps 225-236	13.263	11.545	10.220	10.120	10.415	10.984	11.338	11.564	11.736	12.532	12.953	13.215
Ps 237-245	14.236	14.237	14.238	14.233	14.237	13.188	12.830	12.472	12.453			

Pcw = 12.739 L = .0285 Pcb = 12.163 Ptc/Pcw = 1.169 Wc = 1.83 T = 86. B = 29.85

Num 20-10 C1 I1 S1 S1 Eng [illegible] α=0° β=4° m/m* [illegible] 0.725

Ft/Pto 131-144
1.000 1.000 .999 .995 .988 .983 .990 1.000 .999 .995 .988 .981 .972 .972

Cp 330-344
[illegible] -.347 -.599 -.445 -.241 .470 -.151 -.504 -.664 -.588 -.481 -.311 -.533 -.262 -.362

Ft/Pto 101-130
.978 .987 .992 .994 1.000 1.001 1.001 1.001 1.001 .974
1.001 1.001 1.001 1.001 1.001 .981 1.001 1.001 1.001 1.001
1.001 .999 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Pto = 15.013 Ptc/Pto = .990 K = .0473

Cp 310-320
1.016 [illegible] .431 .200 .100 -.109 -.147 -.129 -.148 -.117 -.086

Cp 321-329
.931 .580 .198 .036 -.005 -.117 -.152 -.126 -.134

Ps 301-309 13.344 11.937 12.618 12.804 12.990 12.993 13.089 13.161 13.200

Ps 201-209 13.004 13.057 13.143 13.049 12.723 12.774

Ps 207-212 12.410 12.469 12.508 12.481 12.413 12.339

Ps 213-224 14.527 12.708 12.158 11.721 11.806 12.305 12.539 12.594 12.591 13.373 [illegible] 13.334

Ps 225-237 14.816 13.727 12.309 11.725 11.410 11.696 12.193 12.220 12.268 12.989 13.392 13.376

Ps 237-245 14.272 14.272 14.273 14.274 14.273 13.419 13.086 12.784 12.739

Pcw = 12.955 L = .0266 Pcb = 12.437 Ptc/Pcw = 1.159 Wc = 1.81 T = 86. B = 29.85

Run 29-11 C1 I1 S1 B1 Eng 2 α-0° β-10° m/m* = ~~.[illegible]~~ 0.725

Pt/Pto 131-144
1.000 1.000 1.000 .996 .989 .984 .998 .990 .997 .994 .985 .975 .972 .970

Cp 330-344
~~-.137~~ -.530 -.727 -.541 -.340 .421 -.175 -.524 -.684 -.610 -.506 -.358 -.623 -.322 -.441

Pt/Pto 101-130
.980 .991 .990 .955 .997 1.001 1.001 1.001 1.001 .986
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.029 Ptc/Pto = .997 K = .0455

Cp 310-320
.964 ~~[illegible]~~ .373 .164 .039 -.166 -.191 -.170 -.225 -.186 -.163

Cp 321-329
.542 .119 -.243 -.319 -.312 -.337 -.286 -.215 -.177

Ps 301-309 14.140 12.624 13.072 13.173 13.185 13.057 13.120 13.196 13.236

Ps 201-206 13.035 13.082 13.149 13.083 12.762 12.809

Ps 207-212 12.454 12.511 12.548 12.525 12.461 12.384

Ps 213-224 14.541 12.827 12.314 11.973 11.995 12.448 12.654 12.693 12.677 13.402 ~~13.421~~ 13.360

Ps 225-236 14.559 14.364 13.058 12.432 11.968 12.216 12.400 12.428 12.444 13.047 13.438 13.733

Ps 237-245 14.243 14.244 14.245 14.243 14.244 13.444 13.115 12.822 12.777

Pcw = 12.987 L = .0258 Pcb = 12.481 Ptc/Pcw = 1.157 Wc = 1.80 T = 86. E = 29.84

Run 29-12 C1 I1 S1 B1 Eng 2 α=4° β=10° m/m = ~~.677~~ ~~0.708~~ 0.713

Pt/Pto 131-144
1.000 1.000 .999 .994 .987 .982 .997 .997 .996 .991 .981 .971 .971 .970

Cp 330-344
~~-.098~~ -.536 -.730 -.520 -.296 .375 -.254 -.602 -.744 -.646 -.529 -.360 -.619 -.311 -.415

Pt/Pto 101-130
.981 .991 .988 .950 .998 1.000 1.001 1.001 1.001 .979
1.001 1.001 1.001 1.001 1.001 .999 1.001 1.001 1.001 1.001
1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Ptc = 15.028 Ptc/Pto = .997 K = .0516

Cp 310-320
.950 ~~-.025~~ .295 .101 -.015 -.204 -.194 -.161 -.203 -.153 -.116

Cp 321-329
.687 .273 -.091 -.104 -.189 -.237 -.211 -.164 -.145

Ps 301-309 13.976 12.410 12.967 13.105 13.132 13.041 13.120 13.201 13.236

Ps 201-206 13.039 13.083 13.155 13.085 12.766 12.813

Ps 207-212 12.458 12.515 12.551 12.528 12.467 12.388

Ps 213-224 14.656 12.970 12.423 12.029 12.020 12.447 12.655 12.691 12.675 13.406 ~~13.436~~ 13.364

Ps 225-236 14.960 14.234 12.910 12.298 11.864 12.109 12.375 12.396 12.417 13.046 13.436 13.729

Ps 237-245 14.230 14.230 14.230 14.232 14.229 13.455 13.120 12.823 12.781

Pcw = 12.990 L = .0259 Pcb = 12.484 Ptc/Pcw = 1.157 Wc = 1.80 T = 86. B = 29.85

Run 29-13 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m* ~~.977~~ 0.724 •

Pt/Pto 131-144

1.000	1.000	.997	.992	.985	.981	.999	.999	.997	.992	.985	.978	.971	.971

Cp 330-344

~~.082~~	-.382	-.632	-.452	-.229	.423	-.233	-.586	-.730	-.628	-.508	-.319	-.528	-.264	-.349

Pt/Pto 101-130

.979	.986	.982	.956	1.000	1.001	1.001	1.001	1.001	.967
1.001	1.001	1.001	1.001	1.001	.972	1.001	1.001	1.001	1.001
1.001	.995	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 15.004 Ptc/Pto = .995 K = .0453

Cp 310-320

.977	~~-.029~~	.336	.141	.031	-.161	-.163	-.137	-.144	-.106	-.064

Cp 321-329

.985	.681	.306	.140	.087	-.042	-.104	-.098	-.128

Ps 301-309	12.769	11.876	12.464	12.758	12.908	12.987	13.089	13.162	13.200			
Ps 201-206	13.010	13.062	13.128	13.055	12.730	12.777						
Ps 207-212	12.418	12.477	12.512	12.488	12.425	12.347						
Ps 213-224	14.646	12.862	12.276	11.848	11.843	12.332	12.543	12.593	12.590	13.376	~~13.422~~	13.338
Ps 225-236	14.742	13.573	12.145	11.590	11.317	11.621	12.161	12.186	12.244	12.987	13.393	13.670
Ps 237-245	14.254	14.254	14.254	14.255	14.254	13.429	13.090	12.787	12.744			

Pcw = 12.960 L = .0265 Pcb = 12.444 Ptc/Pcw = 1.158 Wc = 1.80 T = 86. B = 29.85

Run 29-14 C1 I1 S1 31 Eng 2 α=4° β=-4° m/m*=~~.727~~ 0.724

Pt/Pto 131-144
1.000 1.000 .998 .992 .986 .981 1.000 1.000 .998 .994 .987 .981 .971 .971

Cp 330-344
~~-.447~~ -.241 -.554 -.431 -.284 .419 -.243 -.591 -.726 -.626 -.505 -.320 -.521 -.256 -.362

Pt/Pto 101-130
.975 .973 .966 .960 1.000 1.001 1.001 1.000 .980 .971
1.000 1.001 1.001 1.001 .992 .971 1.000 1.001 1.001 1.001
1.001 .986 1.001 1.001 1.001 1.000 1.001 1.000 1.001 1.001

Ptc = 14.979 Ptc/Pto = .993 K = .0409

Cp 310-320
.933 ~~-.034~~ .343 .149 .041 -.159 -.190 -.174 -.173 -.130 -.088

Cp 321-329
.952 .981 .732 .526 .431 .216 .037 -.020 -.104

Ps 301-309 11.865 11.433 11.883 12.250 12.537 12.917 13.039 13.107 13.159

Ps 201-206 12.973 13.030 13.071 13.016 12.687 12.736

Ps 207-212 12.367 12.425 12.462 12.436 12.372 12.237

Ps 213-224 14.523 12.582 11.955 11.496 11.512 12.136 12.352 12.439 12.463 13.334 ~~13.399~~ 13.301

Ps 225-236 13.961 12.352 10.868 10.467 10.517 10.876 11.771 11.896 12.039 12.919 13.292 13.506

Ps 237-245 14.257 14.259 14.259 14.260 14.259 13.416 13.049 12.733 12.692

Pcw = 12.919 L = .0256 Pcb = 12.393 Ptc/Pcw = 1.159 Wc = 1.81 T = 86. B = 29.85

Run 29-15 C1 I1 S1 R1 Eng 2 α=4° β=-10° m/m* = ~~.677~~ 0.725

Pt/Pto 131-144

.999	.999	.999	.994	.987	.981	.999	.999	.999	.995	.989	.982	.970	.970

Cp 330-344

~~.699~~	-.203	-.551	-.477	-.294	.361	-.279	-.007	-.742	-.646	-.530	-.374	-.623	-.304	-.462

Pt/Pto 101-130

.971	.928	.967	.961	1.001	1.001	1.001	.941	.973	.974
1.001	1.001	1.001	.952	.969	.977	1.001	1.001	1.001	.967
.977	.992	1.001	1.001	1.001	.993	.995	1.001	1.001	1.001

Ptc = 14.833 Ptc/Pto = .985 K = .0743

Cp 310-320

.830	~~-.049~~	.294	.094	-.013	-.217	-.279	-.279	-.267	-.219	-.127

Cp 321-329

.622	1.013	.923	.729	.623	.376	.127	.021	-.097

Ps 301-309 11.392 14.470 11.196 11.755 12.208 12.697 12.801 12.346 12.925

Ps 201-206 12.786 12.868 12.919 12.846 12.492 12.533

Ps 207-212 12.139 12.216 12.278 12.210 12.150 12.039

Ps 213-224 14.340 12.273 11.623 11.142 11.164 11.900 12.104 12.198 12.222 13.095 ~~13.144~~ 13.101

Ps 225-236 13.061 11.346 10.156 10.148 10.443 11.030 11.315 11.507 11.658 12.452 12.924 13.186

Ps 237-245 14.190 14.191 14.193 14.193 14.191 13.134 12.811 12.455 12.444

Pcw = 12.741 L = .0287 Pcb = 12.177 Ptc/Pcw = 1.164 Wc = 1.32 T = 77. B = 29.81

Run 29-15 C1 I1 S1 B1 Eng 2 α=-4° β=-10° m/m*= [illegible] 0.727 0.723

Pt/Pto 131-144

.999	.999	.999	.998	.991	.984	.999	.999	.999	.999	.994	.986	.971	.970

Cp 330-344

[illegible]	-.023	-.373	-.342	-.192	.445	-.113	-.437	-.601	-.550	-.466	-.359	-.635	-.257	-.431

Pt/Pto 101-130

.970	.938	.974	.971	1.001	1.001	1.001	.954	.979	.979
1.000	1.001	1.001	.969	.979	.979	1.001	1.001	1.001	.989
.991	.995	1.001	1.001	1.001	1.001	1.001	1.001	1.001	1.001

Ptc = 14.392 Pto/Pto = .989 K = .0642

Cp 310-320

.857	[illegible]	.495	.298	.179	-.048	-.170	-.174	-.169	-.155	-.131

Cp 321-329

.785	1.036	.879	.865	.565	.343	.147	.082	-.012

Ps 301-309	11.859	10.669	11.468	11.995	12.341	12.775	12.889	12.939	13.010	
Ps 201-206	12.848	12.927	12.956	12.905	12.561	12.601				
Ps 207-212	12.218	12.282	12.333	12.290	12.227	12.145				
Ps 213-224	14.016	11.871	11.298	10.951	11.058	11.948	12.115	12.229	12.275	13.187	[illegible]	13.168
Ps 225-236	13.407	11.674	10.280	10.080	10.361	10.923	11.393	11.658	11.847	12.658	13.047	13.291
Ps 237-245	14.207	14.208	14.208	14.209	14.205	13.195	12.909	12.562	12.534			

Pcw = 12.799 L = .0265 Pcb = 12.249 Pto/Pcw = 1.164 Wc = 1.83 T = 78. B = 29.80

Run 29-17 Cl 11 51 51 Mag 2 α=-4° β=-4° m/m*= 0.733

Pt/Pto 131-144
1.000 1.000 1.000 .997 .990 .984 1.000 1.000 1.000 .999 .992 .985 .972 .971

Cp 330-344
~~.000~~ -.104 -.420 -.343 -.173 .510 -.069 -.408 -.579 -.526 -.438 -.303 -.529 -.222 -.351

Pt/Pto 101-130
.973 .975 .963 .964 1.000 1.001 1.001 1.000 .982 .978
1.001 1.001 1.001 1.001 1.000 .980 1.001 1.001 1.001 1.001
1.001 .995 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Pts = 14.966 Pts/Pto = .994 K = .0386

Cp 310-320
.005 ~~-.017~~ .339 .330 .209 -.016 -.114 -.112 -.117 -.109 -.073

Cp 321-329
1.017 .929 .613 .395 .309 .125 -.001 -.060 -.079

Ps 301-309 12.322 11.552 12.128 12.484 12.725 12.975 13.024 13.165 13.211

Ps 201-206 13.027 13.086 13.129 13.074 12.761 12.799

Ps 207-212 12.452 12.503 12.543 12.518 12.459 12 382

Ps 213-224 14.233 12.250 11.709 11.389 11.406 12.241 12.395 12.408 12.522 13.383 ~~13.326~~ 13.343

Ps 225-236 14.241 12.712 11.239 10.778 10.729 11.032 11.919 12.002 12.122 12.987 13.366 13.583

Ps 237-245 14.248 14.249 14.246 14.249 14.248 13.427 13.111 12.803 12.762

Pcw = 12.979 L = .0246 Pcb = 12.476 Pts/Pcw = 1.153 Mc = 1.73 T = 30. B = 29.80

Run 29-18 C1 I1 S1 B1 Eng 2 α=-4° β=4° m/m'=~~.677~~ 0.727

Pt/Pto 131-144
1.000 1.000 1.000 .998 .991 .985 1.000 1.000 1.000 .999 .991 .984 .973 .972

Cp 330-344
~~-.051~~ -.310 -.503 -.435 -.254 .510 -.065 -.414 -.590 -.536 -.445 -.304 -.549 -.258 -.379

Pt/Ptc 101-130
.976 .985 .982 .953 1.000 1.001 1.000 1.001 1.000 .984
1.000 1.000 1.000 1.000 1.000 .996 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.995 Ptc/Ptc = .996 K = .0477

Cp 310-320
1.016 ~~-.032~~ .500 .308 .181 -.042 -.121 -.113 -.147 -.124 -.100

Cp 321-329
.836 .445 .076 -.072 -.105 -.199 -.216 -.175 -.175

Ps 301-309 13.855 12.161 12.809 12.997 13.047 13.018 13.114 13.185 13.222

Ps 201-206 13.035 13.090 13.158 13.086 12.772 12.81[illegible]

Ps 207-212 12.465 12.522 12.558 12.533 12.472 12.3[illegible]

Ps 213-224 14.356 12.508 12.007 11.704 11.776 12.349 12.552 12.615 12.621 13.398 ~~13.405~~ 13.357

Ps 225-236 14.847 13.806 12.446 11.857 11.522 11.798 12.250 12.275 12.322 13.023 13.418 13.694

Ps 237-245 14.242 14.243 14.244 14.244 14.244 13.453 13.118 12.821 12.780

Pcw = 12.992 L = .0257 Pcb = 12.491 Ptc/Pcw = 1.154 Wc = 1.80 T = 80. B = 29.80

Run 29-19 C1 I1 S1 31 Eng 2 α=-4° β=10° m/m*=~~.677~~ 0.726 0.721

Pt/Pto 131-144
1.000 1.000 1.000 .998 .991 .985 .998 .998 .998 .997 .988 .979 .973 .970

Cp 330-344
~~-.274~~ -.512 -.707 -.549 -.378 .463 -.086 -.431 -.603 -.552 -.468 -.346 -.633 -.323 -.459

Pt/Pto 101-130
.978 .990 .991 .994 .995 1.000 1.000 1.000 1.000 .997
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 15.011 Pt:/Pto = .997 K = .0365

Cp 310-320
.959 ~~-.617~~ .450 .245 .113 -.109 -.178 -.167 -.233 -.205 -.196

Cp 321-329
.401 -.042 -.339 -.448 -.428 -.435 -.369 -.288 -.227

Ps 301-309 14.300 14.761 13.141 13.604 13.208 13.054 13.113 13.128 13.436

Ps 201-206 13.033 13.080 13.153 13.093 12.771 12.812

Ps 207-212 12.462 12.520 12.556 12.533 12.472 12.393

Ps 213-224 14.364 12.609 12.137 11.863 11.923 12.432 12.634 12.678 12.667 13.401 ~~13.464~~ 13.357

Ps 225-236 14.936 14.415 13.147 12.509 12.020 12.240 12.410 12.447 12.456 13.053 13.437 13.730

Ps 237-245 14.225 14.227 14.226 14.225 14.226 13.445 13.115 12.825 12.781

Pcw = 12.931 L = .0254 Pcb = 12.490 Pt:/Pcw = 1.156 Wc = 1.80 T = 80. B = 29.80

Run 30-2 C1 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.721~~ 0.813, 0.808

Pt/Pto 131-144
1.000 .999 .999 .994 .987 .981 .999 1.000 .999 .995 .988 .981 .968 .970

Cp 330-344
~~.167~~ -.260 -.551 -.429 -.242 .467 -.159 -.514 -.679 -.608 -.507 -.380 -.669 -.307 -.485

Pt/Pto 101-130
.956 .971 .957 .941 1.000 1.001 1.001 1.001 .991 .953
1.000 1.001 1.001 1.001 1.000 .964 1.000 1.001 1.001 1.001
1.000 .988 1.000 1.001 1.001 1.000 1.000 1.000 1.000 1.001

Pto = 14.941 Ptc/Pto = .991 K = .0605

Cp 310-320
.995 ~~.486~~ .966 .341 .208 -.130 -.125 -.118 -.108 -.103 -.079

Cp 321-329
1.002 .889 .552 .333 .249 .068 -.047 -.060 -.113

Ps 301-309 11.740 14.511 11.164 11.652 11.995 12.308 12.466 12.560 12.620

Ps 201-206 12.355 12.438 12.507 12.417 12.010 12.059

Ps 207-212 11.573 11.654 11.704 11.656 11.503 11.467

Ps 213-224 14.027 11.049 10.938 10.428 10.469 11.411 11.608 11.797 11.728 12.655 ~~12.906~~ 12.797

Ps 225-236 14.180 12.484 10.527 9.854 9.598 9.955 11.057 11.119 11.244 12.340 12.860 13.170

Ps 237-245 14.095 14.090 14.096 14.038 14.095 12.928 12.499 12.033 ~~12.040~~

Pcw = 12.298 L = .0332 Pcb = 11.003 Ptc/Pcw = 1.215 We = 2.00 T = 81. B = 29.84

Run 30-3 C1 I1 S1 E1 Eng 2 α=-4° β=0° m/m' [illegible] 0.815 0.809

Pt/Pto 131-144

1.000	.999	1.000	.997	.989	.983	.999	1.000	1.000	.998	.991	.983	.969	.970

Cp 330-344

[illegible]	-.207	-.497	-.400	-.255	.510	-.072	-.422	-.603	-.554	-.470	-.370	-.632	-.295	-.495

Pt/Pto 101-130

.965	.970	.956	.942	1.000	1.001	1.001	1.001	.995	.956
1.000	1.000	1.001	1.001	1.000	.967	1.000	1.001	1.001	1.001
1.000	.992	1.000	1.001	1.001	1.000	1.000	1.000	1.000	1.001

Pto = 14.940 Pt/Pto .992 X = .0587

Cp 310-320

.974	[illegible]	.659	.420	.292	.040	-.089	-.092	-.112	-.100	-.076

Cp 321-329

1.002	.841	.479	.254	.175	.007	-.089	-.094	-.121

Ps 301-309	11.874	14.510	11.235	11.747	12.072	12.296	12.453	12.551	12.609
Ps 201-206	12.336	12.419	12.497	12.399	11.989	12.039			
Ps 207-212	11.547	11.630	11.683	11.632	11.539	11.440			
Ps 213-224	13.823	11.400	10.731	10.291	10.374	11.391	11.577	11.681	11.707	12.841	[illegible]	12.782
Ps 225-236	14.279	12.633	10.723	9.940	9.630	9.998	11.072	11.113	11.231	12.329	12.852	13.176
Ps 237-245	14.092	14.092	14.094	14.095	14.094	12.915	12.480	12.074	[illegible]			

Pqw 12.280 L = .0340 Pcb = 11.579 Pt/Pcw = 1.217 Wc = 2.01 T = 83. B = 29.84

8Run 30-4 C1 I1 S1 B1 Eng 2 α=-10° β=0° m/m*= ~~.711~~ 0.808

Pt/Pto 131-144
1.000 .999 1.000 .999 .993 .988 .999 1.000 1.000 1.000 .995 .987 .970 .971

Cp 330-344
~~-.140~~ -.126 -.406 -.346 -.219 .583 .074 -.263 -.460 -.447 -.388 -.335 -.689 -.261 -.495

Pt/Pto 101-130
.963 .969 .949 .946 1.000 1.001 1.001 1.001 .998 .963
1.000 1.000 1.001 1.000 1.000 .973 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.001 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.950 Ptc/Pto = .992 K = .0546

Cp 310-320
.879 ~~.468~~ .780 .566 .428 .165 -.019 -.035 -.073 -.075 -.069

Cp 321-329
.955 .725 .334 .115 .047 -.105 -.177 -.154 -.163

Ps 301-309 12.572 14.517 11.442 11.963 12.207 12.300 12.459 12.554 12.613

Ps 201-206 12.340 12.421 12.506 12.404 11.985 12.037

Ps 207-212 11.546 11.629 11.683 11.633 11.537 11.439

Ps 213-224 13.447 11.009 10.421 10.103 10.247 11.379 11.558 11.671 11.704 12.344 ~~[illegible]~~ 12.781

Ps 225-236 14.405 12.834 10.924 10.118 9.738 10.092 11.113 11.143 11.249 12.332 12.859 13.195

Ps 237-245 14.096 14.096 14.096 14.098 14.096 12.917 12.479 12.076 ~~[illegible]~~

Pcw = 12.282 L = .0348 Pcb = 11.578 Ptc/Pcw = 1.217 Wc = 2.01 T = 84. B = 29.84

Run 30-5 C1 I1 S1 B1 Eng 2 α=-20° β=0° m/m=[illegible] 0.823

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .992 1.000 1.000 1.000 1.000 .999 .992 .970 .969

Cp 330-344
~~.113~~ .005 -.230 -.228 -.170 .713 .334 .037 -.169 -.308 -.193 -.229 -.692 -.160 ~~-.464~~

Pt/Pto 101-130
.959 .969 .952 .952 1.000 1.000 1.001 1.000 .999 .980
1.000 1.000 1.001 1.000 1.000 .996 1.000 1.000 1.001 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.978 Pto/Pto = .994 K = .0492

Cp 310-320
.545 ~~.478~~ .949 .777 .652 .394 .137 .100 .033 .009 -.017

Cp 321-329
.848 .542 .121 -.108 -.165 -.305 -.367 -.316 -.291

Ps 301-309 13.472 10.794 11.889 12.305 12.416 12.341 12.501 12.590 12.657

Ps 201-206 12.380 12.460 12.538 12.490 12.035 12.078

Ps 207-212 11.596 11.578 11.730 11.686 11.500 11.482

Ps 213-224 12.636 10.265 9.864 9.796 10.040 11.363 11.556 11.691 11.736 12.876 ~~10.910~~ 12.808

Ps 225-236 14.518 13.084 11.198 10.304 9.930 10.269 11.203 11.229 11.327 12.376 12.898 13.237

Ps 237-245 14.132 14.132 14.132 14.134 14.132 12.954 12.516 12.115 ~~10.059~~

Pcw = 12.322 L = .0343 Pcb = 11.628 Ptc/Pcw = 1.216 Wc = 2.00 T = 86. B = 29.84

Run 30-6 C1 I1 S1 B1 Eng 2 α=4° β=0° m/m*= ~~.721~~ 0.308

Pt/Pto 131-144
1.000 .999 .996 .991 .984 .980 .999 .997 .997 .992 .985 .979 .967 .969

Cp 330-344
~~-.165~~ -.311 -.597 -.454 -.249 .423 -.243 -.598 -.747 -.651 -.534 -.386 -.663 -.312 -.483

Pt/Pto 101-130
.967 .970 .955 .937 1.000 1.001 1.001 1.001 .986 .947
1.000 1.001 1.001 1.000 1.000 .957 1.000 1.000 1.001 1.000
1.000 .981 1.000 1.001 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.923 Ptc/Pto = .990 K = .0638

Cp 310-320
.987 ~~-.474~~ .476 .263 .136 -.095 -.148 -.134 -.137 -.103 -.066

Cp 321-329
.985 .936 .632 .422 .330 .131 -.011 -.046 -.109

Ps 301-309 11.583 14.413 11.023 11.496 11.862 12.260 12.427 12.526 12.583

Ps 201-206 12.320 12.396 12.463 12.380 11.967 12.017

Ps 207-212 11.521 11.603 11.656 11.607 11.514 11.416

Ps 213-224 14.178 11.814 11.055 10.468 10.467 11.350 11.571 11.663 11.682 12.820 ~~14.861~~ 12.769

Ps 225-236 14.009 12.249 10.353 9.645 n.g. 9.787 10.985 11.046 11.181 12.303 12.619 13.120

Ps 237-245 14.064 14.066 14.066 14.067 14.064 12.901 12.452 12.046 ~~11.994~~

Pcw = 12.257 L = .0332 Pcb = 11.553 Ptc/Pcw = 1.217 Wc = 2.00 T = 87. B = 29.84

Run 30-7 C1 I1 S1 B1 Rig 2 α=10° β=0° m/m' = ~~.711~~ 0.815 0.803

Pt/Pto 131-144
.999 .996 .992 .987 .981 .977 .998 .996 .991 .987 .982 .976 .965 .967

Cp 330-344
~~.256~~ -.378 -.656 -.477 -.256 .365 -.345 -.692 -.812 -.632 -.543 -.369 -.641 -.304 -.462

Pt/Pto 101-130
.970 .979 .954 .936 1.000 1.001 1.001 1.001 .983 .945
1.001 1.001 1.001 1.001 1.000 .952 1.001 1.001 1.001 1.001
1.001 .973 1.001 1.001 1.001 1.001 1.001 1.000 1.001 1.001

Ptc = 14.917 Ptc/Pto = .990 K = .0653

Cp 310-320
.078 ~~.496~~ .371 .160 .043 -.158 -.167 -.143 -.138 -.090 -.046

Cp 321-329
.919 .998 .741 .526 .427 .204 .012 -.098 -.151

Ps 301-309 11.237 14.382 10.886 11.555 11.739 12.244 12.414 12.514 12.567

Ps 201-206 12.306 12.379 12.442 12.364 11.952 12.000

Ps 207-212 11.503 11.583 11.639 11.589 11.495 11.395

Ps 213-224 14.377 12.072 11.262 10.587 10.529 11.309 11.569 11.550 11.605 12.006 ~~12.859~~ 12.756

Ps 225-236 13.739 11.904 10.049 n.g. n.g. 9.621 10.308 10.998 11.145 12.281 12.791 13.075

Ps 237-245 14.055 14.055 14.056 14.058 14.055 12.886 12.437 12.029 ~~11.978~~

Pcw = 12.240 L = .0829 Pcb = 11.534 Ptc/Pcw = 1.219 Wc = 2.00 T = 89. B = 29.84

Run 30-8 C1 I1 S1 B1 Eng 2 α=20° β=0° m/m*= ~~.711~~ 0.301 0.309

Pt/Pto 131-144
.997 .993 .989 .985 .980 .977 .997 .995 .990 .986 .981 .976 .964 .957

Cp 330-344
~~-103~~ -.472 -.704 -.457 -.268 .303 -.457 -.775 -.841 -.664 -.503 -.318 -.619 -.270 -.451

Pt/Pto 101-130
.972 .961 .922 .937 1.001 1.001 1.001 .996 .944 .947
1.001 1.001 1.001 1.000 .971 .965 1.001 1.001 1.001 1.001
.993 .989 1.001 1.001 1.001 1.001 1.001 1.001 1.001 1.001

Pt = 14.871 Pte/Pto = .987 K = .0800

Cp 310-320
.910 ~~-508~~ .433 .050 -.046 -.205 -.144 -.102 -.102 -.052 -.034

Cp 321-329
.851 .977 .851 .648 .545 .292 .016 -.100 -.219

Ps 301-309 11.237 14.456 14.515 10.776 11.148 12.133 12.352 12.455 12.514

Ps 201-205 14.243 12.317 12.394 12.314 11.863 11.934

Ps 207-212 11.422 11.504 11.563 11.504 11.414 11.317

Ps 213-224 14.504 12.344 11.475 10.685 10.542 11.197 11.520 11.593 11.600 12.745 ~~11.668~~ 12.698

Ps 225-236 13.125 11.217 n.g. n.g. n.g. n.g. 10.744 10.904 11.081 12.235 12.186 12.947

Ps 237-245 14.039 14.040 14.039 14.042 14.039 12.837 12.370 11.947 ~~11.905~~

Pcw = 12.180 L = .0340 Pcb = 11.454 Ptc/Ptw = 1.221 Wc = 2.00 T = 39. B = 29.83

Run 30-[illegible] Cl 11 Sl [illegible] 2 α=0° β=-4° m/m*= [illegible] 0.813 0.807

Pt/Pto 131-144

1.000	[illegible]	.999	.994	.987	.981	.999	.999	1.000	.997	.989	.982	.967	.969

Cp 330-344

[illegible]	-.[illegible]	-.[illegible]	-.4[illegible]	-.[illegible]	.454	-.173	-.524	-.687	-.615	-.514	-.395	-.696	-.309	-.507

Pt/Pto 101-130

.964	.959	.959	.945	1.000	1.001	1.001	.998	.972	.951
1.000	1.001	1.001	1.000	.954	.957	1.000	1.001	1.001	1.001
1.000	.979	1.000	1.001	1.000	1.000	1.000	1.000	1.000	1.001

Pto = 14.906 Pt/Pto = .990 K = .0560

Cp 310-320

.939	[illegible]	552	.336	.204	-.034	-.142	-.138	-.141	-.119	-.087

Cp 321-329

.901	1.000	.750	.531	.429	.213	.043	-.001	-.082

Ps 301-309	11.278	14.140	[illegible]	11.342	11.752	12.233	12.418	12.502	12.559			
Ps 201-206	12.313	12.398	12.446	12.372	11.960	12.006						
Ps 207-212	11.51[illegible]	11.594	11.649	11.599	11.5[illegible]4	11.406						
Ps 213-224	13.922	11.449	10.707	10.161	10.212	11.275	11.465	11.588	11.62[illegible]	12.8[illegible]4	[illegible]	12.750
Ps 225-236	13.663	11.778	9.870	n.g.	n.g.	9.480	10.743	10.954	11.14[illegible]	12.275	12.73[illegible]	13.[illegible]04
Ps 237-245	14.048	14.049	14.05[illegible]	14.051	14.04[illegible]	12.910	12.44[illegible]	12.024	[illegible]			

Pcw = 12.24[illegible] L = .0326 Pco = 11.544 Pto/Pcw = 1.217 Wc = 1.99 T = 90. B = 29.83

Run 30-10 C1 I1 S1 B1 Eng 2 α=0° β=-10° m/m*= ~~[illegible]~~ 0.304 0.811

Pt/Pto 131-144

.999	.998	.998	.995	.987	.980	.998	.999	.999	.997	.990	.982	.966	.968

Cp 330-344

~~.343~~	-.119	-.477	-.430	-.278	.397	-.210	-.541	-.696	-.629	-.533	-.436	-.763	-.339	-.567

Pt/Pto 101-130

.959	.901	.956	.954	1.000	1.001	1.000	.917	.965	.954
1.000	1.000	1.000	.931	.961	.960	1.000	1.000	1.000	.952
.970	.983	1.000	1.000	1.000	.988	.994	1.000	1.000	1.001

Ptc = 14.740 Ptc/Pto = .978 K = .1022

Cp 310-320

.791	~~.513~~	.468	.269	.145	-.090	-.212	-.217	-.222	-.189	-.164

Cp 321-329

.545	1.003	.926	.742	.635	.392	.158	.070	-.034

Ps 301-309	10.918	13.215	14.094	10.777	11.373	12.011	12.087	12.124	12.248			
Ps 201-206	12.088	12.206	12.257	12.157	11.712	11.754						
Ps 207-212	11.213	11.334	11.4[illegible]1	11.310	11.207	11.103						
Ps 213-224	13.772	11.212	10.436	9.832	9.863	11.031	11.208	11.322	11.353	12.474	~~12.548~~	12.504
Ps 225-236	12.807	10.849	n.g.	n.g.	9.498	10.066	10.355	10.582	10.755	11.647	12.244	12.602
Ps 237-245	13.995	13.997	13.997	13.998	13.996	12.603	12.111	11.640	~~11.647~~			

Pcw = 12.029 L = .0369 Pcb = 11.265 Ptc/Pcw = 1.225 Wc = 1.99 T = 90. B = 29.83

Run 30-11 C1 I1 S1 B1 En 2 α=0° β=4° m/m+ [illegible] 0.815 0.809

Pt/Pto 131-144
.999 .999 .998 .993 .986 .981 .993 .999 .998 .994 .987 .979 .967 .969

Cp 330-344
~~-.961~~ -.354 -.611 -.465 -.475 .459 -.161 -.516 -.682 -.611 -.513 -.391 -.700 -.327 -.512

Pt/Pto 101-130
.956 .976 .984 .994 .999 1.000 1.000 1.000 1.000 .949
1.000 1.000 1.000 1.000 1.000 .982 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.940 Ptc/Pto = .992 K = .0665

Cp 310-320
.981 ~~-.510~~ .564 .340 .204 -.036 -.126 -.117 -.139 -.116 -.087

Cp 321-329
.981 .716 .331 .138 .075 -.035 -.128 -.111 -.120

Ps 301-309 12.060 14.533 11.320 11.816 12.080 12.815 12.368 12.466 12.522

Ps 201-206 12.235 12.312 12.411 12.309 11.876 11.727

Ps 207-212 11.414 11.501 11.557 11.504 11.406 11.305

Ps 213-224 14.018 11.054 10.749 10.436 10.462 11.326 11.501 11.635 11.658 12.764 ~~12.766~~ 12.703

Ps 225-236 14.406 12.981 11.097 10.475 9.817 10.195 11.092 11.098 11.182 12.245 12.790 13.150

Ps 237-245 14.032 14.032 14.032 14.035 14.032 12.830 12.384 11.973 ~~11.916~~

Pcw = 12.178 L = .0358 Pcb = 11.448 Ptc/Pcw = 1.227 Wc = 2.02 T = 90. B = 29.83

Run 30-12 C1 I1 S1 B1 Eng 2 α=0° β=10° m/m* = ~~[illegible]~~ 0.816 0.811

Pt/Pto 131-144
1.000 1.000 1.000 .996 .988 .982 .997 .997 .996 .993 .983 .972 .969 .970

Cp 330-344
~~-.139~~ -.534 -.740 -.559 -.368 .416 -.184 -.538 -.703 -.635 -.540 -.438 -.831 -.384 -.583

Pt/Pto 101-130
.970 .984 .982 .939 .999 1.000 1.000 1.001 1.000 .967
1.000 1.000 1.000 1.000 1.000 .987 1.000 1.001 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.983 Ptc/Pto = .995 K = .0622

Cp 310-320
.968 ~~.525~~ .525 .297 .155 -.089 -.172 -.157 -.216 -.184 -.163

Cp 321-329
.791 .355 -.057 -.191 -.209 -.276 -.254 -.199 -.170

Ps 301-309 13.548 10.990 11.931 12.273 12.375 12.290 12.410 12.518 12.574

Ps 201-206 12.200 12.350 12.453 12.358 11.931 11.974

Ps 207-212 11.474 11.559 11.614 11.564 11.468 11.364

Ps 213-224 14.040 11.781 11.121 10.671 10.706 11.458 11.710 11.765 11.750 12.808 ~~12.861~~ 12.743

Ps 225-236 14.828 13.747 11.983 11.125 10.499 10.833 11.339 11.351 11.389 12.314 12.849 13.230

Ps 237-245 13.997 13.997 13.998 13.999 13.997 12.877 12.427 12.026 ~~11.967~~

Pcw = 12.224 L = .0348 Pcb = 11.507 Ptc/Pcw = 1.226 Wc = 2.02 T = 90. B = 29.83

Run 30-13 C1 I1 S1 B1 Eng 2 α=4° β=10° m/m*= ~~.961~~ 0.816

Pt/Pto 131-144
.999 1.000 .998 .992 .985 .980 .997 .997 .996 .991 .982 .973 .965 .967

Cp 330-344
~~-.104~~ -.546 -.748 -.540 -.326 .368 -.208 -.620 -.769 -.677 -.565 -.439 -.770 -.370 -.549

Pt/Pto 101-130
.972 .984 .983 .931 .936 1.000 1.000 1.000 1.000 .950
1.000 1.000 1.000 1.000 1.000 .973 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.956 Pts/Pto = .993 K = .0694

Cp 310-320
.981 ~~-.514~~ .442 .226 .090 -.136 -.177 -.150 -.197 -.155 -.121

Cp 321-329
.863 .470 .074 -.069 -.099 -.182 -.184 -.149 -.139

Ps 301-309 12.398 10.820 11.736 12.170 12.319 12.280 12.416 12.531 12.572

Ps 201-206 12.296 12.360 12.472 12.368 11.950 11.994

Ps 207-212 11.497 11.580 11.635 11.584 11.490 11.330

Ps 213-224 14.230 12.022 11.324 10.805 10.732 11.460 11.734 11.781 11.763 12.817 ~~12.866~~ 12.757

Ps 225-236 14.734 13.616 11.859 11.020 10.433 10.780 11.389 11.538 11.381 12.319 12.855 13.232

Ps 237-245 13.980 13.980 13.981 13.982 13.981 12.892 12.440 12.043 ~~11.987~~

Pcw = 12.241 L = .0349 Pcb = 11.529 Pts/Pcw = 1.222 We = 2.01 T = 91. B = 29.83

Run 30-14 C1 I1 S1 B1 Eng 2 α=4° β=4° m/m' = ~~.711~~ 0.809

Pt/Pto 131-144

1.000	.999	.996	.991	.984	.980	.999	.999	.996	.992	.984	.977	.966	.968

Cp 330-344

~~.674~~	-.391	-.648	-.476	-.265	.416	-.246	-.604	-.754	-.658	-.543	-.403	-.708	-.329	-.502

Pt/Pto 101-130

.968	.975	.965	.935	1.000	1.001	1.001	1.001	1.000	.947
1.000	1.000	1.000	1.001	1.000	.956	1.000	1.000	1.000	1.000
1.000	.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.934 Ptc/Pto = .991 K = .0666

Cp 310-320

1.008	~~.515~~	.468	.269	.138	-.089	-.142	-.125	-.134	-.103	-.066

Cp 321-329

.994	.814	.439	.245	.171	.012	-.078	-.082	-.120

Ps 301-309	11.790	14.506	11.194	11.675	11.989	12.238	12.402	12.511	12.557			
Ps 201-206	12.287	12.360	12.461	12.354	11.937	11.975						
Ps 207-212	11.463	11.567	11.620	11.568	11.474	11.374						
Ps 213-224	14.188	11.854	11.109	10.534	10.529	11.339	11.589	11.667	11.673	12.801	~~12.879~~	12.746
Ps 225-236	14.384	12.804	10.915	10.125	9.733	10.118	11.081	11.102	11.202	12.281	12.822	13.169
Ps 237-245	14.004	14.006	14.007	14.008	14.006	12.885	12.427	12.020	~~11.968~~			

Pcw = 12.230 L = .0350 Pcb = 11.514 Ptc/Pcw = 1.221 Wc = 2.00 T = 91. B = 29.83

Run 30-15 C1 I1 S1 L1 Eq: 2 α=4° β=-4° m/m² = ~~[illegible]~~ 0.805 0.814

Pt/Pto 131-144

.999	.999	.997	.991	.984	.979	.999	.999	.998	.993	.986	.98[illegible]	.966	.968

Cp 330-344

~~[illegible]~~	-.252	-.573	-.456	-.263	.412	-.257	-.606	-.751	-.657	-.542	-.401	-.699	-.323	-.515

Pt/Pto 101-130

.964	.945	.962	.944	1.000	1.001	1.001	.981	.978	.949
1.000	1.001	1.001	.995	.992	.952	1.000	1.000	1.000	1.000
1.000	.972	1.000	1.000	1.001	1.000	1.000	.999	1.000	1.001

Ptc = 14.[illegible] Pt /Pto = .988 K = .0575

Cp 310-320

.928	~~[illegible]~~	.474	.254	.130	-.099	-.173	-.165	-.167	-.129	-.092

Cp 321-329

.831	1.014	.804	.593	.487	.257	.059	-.008	-.098

Ps 301-309 11.005 13.895 14.589 11.160 11.600 12.153 12.348 12.430 12.490

Ps 201-206 12.239 12.331 12.386 12.304 11.868 11.925

Ps 207-212 11.415 11.502 11.560 11.507 11.409 11.310

Ps 213-224 14.064 11.586 10.789 10.193 10.154 11.179 11.3[illegible] 11.503 11.540 12.73[illegible] ~~[illegible]~~ 12.687

Ps 225-236 13.465 11.534 9.646 n.g. n.g. 9.460 10.504 10.825 11.056 12.159 12.630 12.930

Ps 237-245 14.010 14.011 14.012 14.014 14.010 12.858 12.362 11.934 ~~11.[illegible]~~

Pcw = 12.178 L = .0330 Pcb = 11.451 Ptc/Pcw = 1.223 Wc = 2.00 T = 92. B = 29.34

Run 30-10 C1 I1 C1 B1 Eng 2 α=4° β=-10° m/m* [illegible] 0.797 0.814

Pc/Pto 131-144
.999 .998 .997 .993 .985 .979 .998 .999 .999 .995 .987 .980 .965 .967

Cp 330-344
[illegible] -.213 -.563 -.501 -.335 .35[illegible] -.295 -.525 -.764 -.674 -.563 -.445 -.774 -.366 -.591

Pc/Pto 101-13[illegible]
.957 .8[illegible]1 .955 .937 1.000 1.001 1.00[illegible] .905 .963 .949
1.000 1.000 1.000 .918 .955 .953 1.000 1.001 1.000 .939
.980 .978 [illegible] 1.001 1.000 .980 .909 .999 1.000 1.000

Pto = 14.691 Pto/Pto = .975 K = .1127

Cp 310-320
.781 [illegible] .389 .179 .058 -.167 -.262 -.270 -.268 -.217 -.189

Cp 321-329
.308 .908 .034 .770 .663 .408 .143 .031 -.092

Ps 301-309 14.630 13.035 13.855 14.544 11.196 11.875 11.933 11.969 12.115

Ps 201-209 11.963 12.095 12.153 12.047 11.589 11.620

Ps 207-212 11.[illegible]58 11.207 11.298 11.161 11.050 10.943

Ps 213-224 13.[illegible]17 11.355 10.547 9.829 9.801 10.911 11.109 11.209 11.228 12.343 [illegible] 12.391

Ps 225-236 12.555 10.597 n.g. n.g. n.g. 9.977 10.215 10.411 10.573 11.458 12.089 12.473

Ps 237-245 13.[illegible]55 13.956 13.958 13.959 13.957 12.517 11.965 11.475 [illegible]

Pcw = 11.911 L = .0384 Pcb = 11.119 Pto/Pcw = 1.233 Wc = 2.00 T = 92. B = 29.84

Run 30-17 C1 I1 S1 B1 Eng 2 α=-4° β=-10° m/m=[illegible] 0.800 0.017

Pt/Pto 131-144
.993 .998 .998 .996 .989 .982 .978 .979 .979 .979 .992 .984 .966 .968

Cp 330-344
~~.382~~ -.028 -.387 -.354 -.229 .438 -.125 -.491 -.630 -.576 -.496 -.428 -.785 -.318 -.572

Pt/Pto 101-130
.957 .965 .958 .951 1.000 1.001 1.001 .923 .967 .959
1.000 1.001 1.001 .939 .965 .986 1.000 1.001 1.001 .960
.976 .988 1.001 1.001 1.000 .992 .997 1.000 1.000 1.000

Ptc = 14.773 Ptc/Pto = .980 K = .0037

Cp 310-320
.766 ~~.517~~ .567 .373 .246 .001 -.154 -.163 -.163 -.153 -.133

Cp 321-329
.606 1.015 .907 .714 .607 .374 .163 .092 -.005

Ps 301-309 11.143 13.155 14.080 10.785 11.360 11.975 12.045 12.090 12.210

Ps 201-206 12.029 12.151 12.201 12.108 11.658 11.891

Ps 207-212 11.138 11.255 11.340 11.237 11.133 11.025

Ps 213-224 13.519 10.878 10.131 9.572 9.644 10.934 11.113 11.241 11.280 12.446 ~~12.469~~ 12.457

Ps 225-236 12.932 10.956 n.g. n.g. n.g. 9.945 10.274 10.523 10.711 11.627 12.221 12.582

Ps 237-245 13.977 13.978 13.977 13.981 13.978 12.591 12.071 11.536 ~~11.566~~

Pcw = 11.973 L = .0307 Pcb = 11.188 Ptc/Pcw = 1.234 Mc = 2.01 T = 91. B = 29.84

Run 30-18 C1 I1 S1 B1 Eng 2 α=-4° β=-4° m/m*= 0.314

Pt/Pto 131-144

.999 .999 1.000 .997 .989 .983 .999 .999 1.000 .999 .992 .984 .968 .970

Cp 330-344

~~-.276~~ -.114 -.435 -.307 -.212 .408 -.082 -.426 -.603 -.557 -.473 -.384 -.711 -.291 -.517

Pt/Pto 101-130

.961 .959 .951 .944 1.000 1.001 1.001 1.000 .967 .952
1.000 1.001 1.001 1.001 .994 .961 1.000 1.001 1.001 1.001
1.000 .965 1.001 1.001 1.000 1.000 1.000 1.000 1.000 1.001

Ptc = 14.912 Ptc/Pto = .990 K = .0578

Cp 310-320

.912 ~~-.537~~ .653 .435 .300 .048 -.094 -.100 -.109 -.100 -.076

Cp 321-329

.932 .881 .703 .473 .376 .171 .021 -.005 -.069

Ps 301-309 11.460 14.034 10.736 11.290 11.706 12.136 12.312 12.403 12.467

Ps 201-206 12.180 12.275 12.335 12.258 11.835 11.870

Ps 207-212 11.351 11.438 11.496 11.440 11.341 11.240

Ps 213-224 13.671 11.110 10.388 9.877 9.956 11.132 11.323 11.448 11.492 12.716 ~~12.755~~ 12.657

Ps 225-236 13.755 11.872 9.870 n.g. n.g. n.g. 10.653 10.830 10.997 12.183 12.678 12.951

Ps 237-245 14.022 14.024 14.025 14.026 14.024 12.811 12.332 11.900 ~~11.850~~

Pcv = 12.127 L = .0335 Pcb = 11.384 Ptc/Pcv = 1.230 Wc = 2.02 T = 91. B = 29.84

Run 30-19 C? I1 S1 S1 Eng 2 α=-4° β=4° m/m*~~.712~~ 0.812

Pt/Pto 131-144
1.000 1.000 1.000 .997 .989 .983 .995 .989 .993 .998 .990 .982 .968 .970

Cp 330-344
~~-.644~~ -.316 -.575 -.453 -.483 .506 -.073 -.426 -.607 -.559 -.476 -.380 -.712 -.319 -.525

Pt/Pto 101-130
.965 .975 .964 .938 1.000 1.000 1.000 1.000 1.000 .954
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.951 Ptc/Pto = .992 K = .0630

Cp 310-320
.974 ~~-.546~~ .643 .424 .284 .028 -.099 -.095 -.153 -.121 -.104

Cp 321-329
.955 .838 .620 .038 -.016 -.143 -.188 -.156 -.163

Ps 301-309 12.845 14.556 11.470 11.961 12.181 12.234 12.391 12.494 12.543

Ps 201-208 12.458 12.333 12.436 12.335 11.913 11.949

Ps 207-212 11.489 11.534 11.530 11.538 11.440 11.337

Ps 213-224 13.823 11.434 10.773 10.337 10.408 11.340 11.569 11.652 11.661 12.786 ~~12.810~~ 12.725

Ps 225-236 14.581 13.144 11.256 10.414 9.920 10.289 11.138 11.143 11.225 12.270 12.815 13.175

Ps 237-245 14.021 14.022 14.024 14.025 14.022 12.859 12.405 11.937 ~~11.930~~

Pcw = 12.204 L = .0350 Pcb = 11.481 Ptc/Pcw = 1.225 Mc = 2.01 T = 92. B = 29.84

Run 30-20 C1 I1 S1 B1 Eng 2 α=-4° β=10° m/m* ~~.711~~ 0.816 0.809

Pt/Pto 131-144
1.000 1.000 1.000 .998 .991 .985 .997 .997 .997 .995 .986 .975 .971 .971

Cp 330-344
~~-.183~~ -.521 -.725 -.570 -.405 .460 -.096 -.445 -.625 -.581 -.504 -.417 -.863 -.389 -.618

Pt/Pto 101-130
.968 .983 .983 .941 .999 1.000 1.001 1.001 1.000 .980
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.993 Ptc/Pto = .995 K = .0600

Cp 310-320
.933 ~~-.547~~ .606 .370 .224 -.033 -.159 -.156 -.225 -.206 -.199

Cp 321-329
.685 .228 -.186 -.318 -.325 -.376 -.341 -.266 -.230

Ps 301-309 13.739 11.237 12.168 12.419 12.463 12.319 12.438 12.542 12.609

Ps 201-206 12.305 12.373 12.482 12.391 11.968 12.001

Ps 207-212 11.513 11.598 11.650 11.603 11.509 11.405

Ps 213-224 13.824 11.546 10.942 10.576 10.659 11.490 11.724 11.786 11.780 12.833 ~~12.869~~ 12.764

Ps 225-236 14.853 13.862 12.118 11.253 10.608 10.940 11.395 11.409 11.442 12.347 12.875 13.255

Ps 237-245 13.995 13.996 13.997 13.999 13.996 12.906 12.452 12.052 ~~13.995~~

Pcw = 12.254 L = .0343 Pcb = 1.547 Ptc/Pcw = 1.224 Wc = 2.01 T = 92. B = 29.83

ms

BLANK PAGE

Tabulated Data for Configuration C1 I2 S2 B1

(a) q = 0

Run 1-13 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.~~333~~ 0.375

Pt/Pto 131-144

~~.000~~ 1.000 1.000 ~~.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.999~~ 1.000

Cp 330-344

-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.000 -.002

Pt/Pto 101-130

.986	.976	.990	.996	.997	.999	.995	.973	.993	.999
.999	.999	.999	.979	.993	.999	1.000	1.000	1.000	.983
.993	1.000	1.000	1.000	.999	.993	.997	1.000	1.000	1.000

Pto = 14.425 Pto/Pto = .995 K = .0235

Cp 310-320

-.027 -.008 -.003 -.002 -.001 -.000 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.019 -.007 -.002 -.001 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13.976 13.438 ~~16.371~~ 13.606 13.918 14.026 14.020 13.998 14.007

Ps 201-206 14.008 13.999 13.999 13.991 13.939 13.947

Ps 207-212 13.940 13.853 13.867 13.853 13.846 13.831

Ps 213-224 12.403 13.091 13.204 13.547 13.738 13.817 13.858 13.874 13.878 13.955 14.017 14.355

Ps 225-236 13.285 13.435 13.631 13.738 13.764 13.764 13.767 13.771 ~~14.292~~ 13.872 13.971 14.027

Ps 237-245 14.497 14.311 14.130 ~~13.549~~ ~~14.216~~ ~~14.277~~ 14.031 ~~14.129~~ 14.073

Pcw = 13.980 L = .0048 Pcb = 13.848 Pto/Pcw = 1.032 Wc = .90 T = 58. B = 29.50

Run 1-14 C1 I2 S2 E1 Eng 2 α=0° β=0° M/M*=.338 0.375

Pt/Pto 131-144
~~.000~~ 1.000 1.000 ~~.00~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~1.000~~ 1.000

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 .000 -.000 -.000 -.000 -.001 -.003 -.000 -.003

Pt/Pto 101-130
.986 .973 .988 .990 .998 .996 .988 .974 .992 1.000
1.000 1.000 .989 .974 .992 1.000 1.000 1.000 .993 .977
.989 1.000 1.000 1.000 .995 .988 .994 1.000 1.001 1.000

Ptc = 14.404 Ptc/Pto = .993 K = .0273

Cp 310-320
-.019 -.006 -.002 -.002 -.001 -.000 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.021 -.007 -.003 -.002 -.001 -.001 -.000 -.000 -.000

Ps 301-309 13.944 13.395 ~~16.391~~ 13.612 13.538 13.982 13.980 13.973 13.981

Ps 201-206 13.985 13.971 13.970 13.967 13.913 13.922

Ps 207-212 13.805 13.837 13.848 13.820 13.509 13.796

Ps 213-224 13.563 13.553 13.556 13.552 13.551 13.567 13.616 13.688 13.756 13.950 14.009 14.439

Ps 225-236 13.236 13.392 13.610 13.719 13.742 13.744 13.751 13.754 ~~14.362~~ 13.865 13.966 14.023

Ps 237-245 14.502 14.326 14.134 ~~13.625~~ ~~14.306~~ ~~14.365~~ 14.016 14.166 14.070

Pcw = 13.954 L = .0050 Pcb = 13.819 Ptc/Pcw = 1.032 Wc = .90 T = 58. B = 29.51

Run 1-7 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.476 0.518

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .998 .999

Cp 330-344
-.000 .000 .000 -.000 -.000 .000 .000 .000 -.000 -.000 -.000 -.001 -.005 -.001 -.005

Pt/Pto 101-130
.975 .953 .976 .993 .995 .997 .996 .957 .982 .996
1.000 1.000 1.000 .960 .981 .999 1.000 1.000 1.000 .966
.979 1.000 1.001 1.000 .999 .983 .989 1.000 1.000 1.000

Ptc = 14.337 Ptc/Pto = .989 K = .0467

Cp 310-320
-.050 -.015 -.006 -.003 -.002 -.001 -.000 -.000 -.000 -.000 .000

Cp 321-329
-.044 -.015 -.005 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.440 12.191 16.195 12.526 13.154 13.440 13.422 13.381 13.413

Ps 201-206 13.415 13.393 13.384 13.365 13.249 13.265

Ps 207-212 13.027 13.069 13.102 13.055 13.039 13.008

Ps 213-224 9.990 11.450 11.782 12.381 12.821 12.989 13.076 13.100 13.102 13.309 13.469 13.546

Ps 225-236 11.726 12.055 12.465 12.708 12.839 12.836 12.815 12.808 12.839 13.083 13.298 13.436

Ps 237-245 14.475 14.029 13.621 12.869 13.176 13.345 13.455 13.476 13.569

Pcw = 13.345 L = .0116 Pcb = 13.050 Ptc/Pcw = 1.074 Wc = 1.31 T = 58. B = 29.48

Run 1-8 C1 I2 S2 E1 Eng 2 α=0° β=0° m/m*=.474 0.518

Pt Pto 131-144
~~.000~~ 1.000 1.000 ~~.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .998 .999

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.005 -.001 -.005

Pt/Pto 101-130
.973 .953 .979 .993 .994 .989 .984 .956 .987 .995
1.000 .998 .990 .961 .989 1.000 1.000 1.000 .996 .971
.990 1.001 1.001 1.001 1.000 .989 .996 1.000 1.000 1.000

Ptc = 14.339 Ptc/Pto = .989 K = .0486

Cp 310-320
-.046 -.012 -.006 -.003 -.002 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.039 -.012 -.004 -.002 -.001 -.001 -.000 -.000 -.000

Ps 301-309 13.472 12.234 ~~16.222~~ 12.509 13.076 13.449 13.442 13.400 13.430

Ps 201-206 13.410 13.387 13.389 13.373 13.261 13.276

Ps 207-212 13.032 13.056 13.088 13.064 13.048 13.014

Ps 213-224 11.046 12.056 12.196 12.411 12.601 12.768 12.917 13.030 13.101 13.317 13.457 14.430

Ps 225-236 11.822 12.005 12.313 12.611 12.882 12.900 12.891 12.892 ~~14.343~~ 13.161 13.356 13.476

Ps 237-245 14.474 14.003 13.589 ~~12.899~~ ~~14.216~~ 14.333 13.443 ~~13.969~~ 13.559

Pcw = 13.349 L = .0104 Pcb = 13.050 Ptc/Pcw = 1.074 Mc = 1.31 T = 58. B = 29.48

Run 1-5 C1 I2 E1 S2 Eng 2 α=0° β=0° m/m*=.540 0.593

Pt/Ptc 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.997~~ .999

Cp 330-344
-.000 -.000 -.000 -.000 ~~-.001~~ .000 .000 -.000 -.000 -.000 -.000 -.001 -.006 -.001 -.005

Pt/Ptc 101-130
.974 .940 .973 .977 .995 .987 .995 .945 .983 .989
1.000 .999 .998 .951 .984 .997 1.000 1.000 .999 .961
.984 1.000 1.000 1.000 1.000 .954 .996 1.000 1.001 1.000

Ptc = 14.305 Ptc/Ptc = .957 K = .0621

Cp 310-320
-.060 -.018 -.007 -.004 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.055 -.019 -.006 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.049 11.455 ~~16.018~~ 12.114 12.768 13.109 13.102 13.058 13.088

Ps 201-206 13.079 13.048 13.037 13.018 12.872 12.889

Ps 207-212 12.567 12.598 12.640 12.603 12.600 12.549

Ps 213-224 9.469 10.823 11.129 11.733 12.170 12.466 12.596 12.650 12.671 12.926 13.141 14.029

Ps 225-236 10.958 11.233 11.676 12.066 12.345 12.369 12.356 12.362 ~~13.607~~ 12.746 13.002 13.147

Ps 237-245 14.467 13.895 13.350 ~~12.687~~ ~~13.584~~ ~~13.614~~ ~~13.095~~ ~~13.393~~ 13.256

Pcw = 12.991 L = .0145 Pcb = 12.593 Ptc/Pcw = 1.101 Wc = 1.49 T = 58. B = 29.48

Run. 1-6 C1 I2 E1 S2 Eng 2 α=0° β=0° r/r*=~~.540~~ 0.593

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .99?

Cp 330-344
-.000 -.000 -.000 -.000 ~~-.001~~ -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.006 -.001 -.006

Pt/Pto 101-130
.973 .937 .973 .989 .986 .993 .996 .941 .984 .995
.995 1.000 .999 .946 .999 1.000 1.000 1.000 .999 .959
.990 1.000 1.000 1.000 .999 .984 .997 1.000 1.001 1.000

Ptc = 14.310 Ptc/Pto = .987 K = .0643

Cp 310-320
-.061 -.017 -.008 -.004 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.053 -.018 -.005 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.219 11.532 ~~16.634~~ 12.177 12.650 13.129 13.117 13.068 13.102

Ps 201-206 13.088 13.053 13.047 13.030 12.978 12.994

Ps 207-212 12.578 12.609 12.549 12.617 12.604 12.559

Ps 213-224 n.g. 10.638 11.007 11.751 12.306 12.549 12.664 12.697 12.704 12.946 13.142 14.025

Ps 225-236 10.981 11.209 11.559 11.934 12.407 12.461 12.446 12.445 ~~13.625~~ 12.742 13.004 13.156

Ps 237-245 14.470 13.835 13.348 ~~12.697~~ 13.612 13.342 13.126 13.418 13.272

Pcw = 12.998 L = .0147 Pct = 12.602 Ptc/Pcw = 1.101 Mc = 1.49 T = 58. B = 29.48

Run 1-22 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.593

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .996 .999

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.003 -.001 -.006

Pt/Pto 101-130
.968 .943 .974 .975 .997 .990 .991 .952 .978 .985
.999 1.000 .998 .962 .976 .995 1.000 1.000 .999 .974
.983 .999 .999 .999 .999 .992 .996 .999 .999 .999

Ptc = 14.521 Ptc/Pto = .987 K = .0575

Cp 310-320
-.067 -.004 -.010 -.005 -.003 -.001 -.000 -.000 -.000 -.000 .000

Cp 321-329
-.057 -.020 -.007 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.166 11.683 11.726 12.150 14.650 13.326 13.295 13.224 13.236

Ps 201-206 13.312 13.301 13.283 13.188 13.020 13.057

Ps 207-212 12.785 12.796 12.825 12.837 12.811 12.766

Ps 213-224 n.g. 10.789 11.187 11.953 12.519 12.745 12.862 12.901 12.910 13.157 13.368 13.452

Ps 225-236 11.118 11.415 11.764 12.144 12.609 12.675 12.664 12.662 12.670 12.969 13.231 13.368

Ps 237-245 14.682 14.138 13.596 14.389 12.948 13.156 13.327 13.358 13.480

Pcv = 13.193 L = .0201 Pcb = 12.803 Ptc/Pcv = 1.101 Wc = 1.49 T = 69. B = 29.92

Run 1-23 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.616 0.669

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .995 .999

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 ~~-.003~~ -.001 -.008

Pt/Pto 101-130
.938 .919 .963 .961 .991 .980 .94 .926 .979 .984
.999 .996 .965 .936 .982 .995 .999 .998 .987 .954
.984 .999 .999 .999 .998 .981 .994 .999 .999 .999

Ptc = 14.399 Ptc/Pto = .979 K = .0823

Cp 310-320
-.076 ~~-.003~~ -.013 -.007 -.004 -.002 -.001 -.000 -.000 -.000 -.000

Cp 321-329
-.072 -.025 -.009 -.004 -.002 -.001 ~~-.000~~ ~~-.000~~ ~~-.000~~

Ps 301-309 12.706 14.585 10.832 11.428 ~~14.638~~ 12.721 12.717 12.656 12.698

Ps 201-206 12.763 12.752 12.754 12.630 12.388 12.443

Ps 207-212 12.055 12.103 12.134 12.123 12.086 12.024

Ps 213-224 9.939 11.090 11.128 11.160 11.238 11.419 11.705 11.976 12.165 12.605 12.827 12.945

Ps 225-236 9.984 10.178 10.512 10.832 11.711 11.899 11.901 11.894 11.901 12.327 12.670 12.860

Ps 237-245 14.657 13.897 13.139 ~~13.963~~ 12.164 12.458 12.728 12.821 13.016

Pcw = 12.622 L = .0260 Pcb = 12.088 Ptc/Pcw = 1.141 Wc = 1.69 T = 68. B = 29.92

Run 1-26 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.616 .673

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .999

Cp 330-344

~~-.656~~ .000 .000 6.652 35.161 .000 .000 .950 2.851 5.702 10.453 72.222 ~~11.696~~ 69.371 71.345

Pt/Pto 101-130

.936 .922 .959 .989 .991 .968 .949 .934 .971 .995
.997 .986 .967 .943 .975 .999 1.000 .993 .988 .956
.980 1.000 1.000 .996 .999 .982 .995 1.000 1.000 1.000

Ptc = 14.419 Ptc/Pto = .979 K = .0793

Cp 310-320

555.183 ~~-36.216~~ 736.394 387.501 258.017 101.874 32.371 13.329 4.760 .000 .000

Cp 321-329

394.222 517.053 519.098 252.304 157.095 57.125 ~~10.473~~ ~~8.569~~ ~~8.569~~

Ps 301-309 12.684 14.694 10.840 11.161 ~~14.491~~ 12.741 12.726 12.651 12.701

Ps 201-206 12.777 12.775 12.758 12.641 12.403 12.460

Ps 207-212 12.059 12.095 12.140 12.126 12.103 12.040

Ps 213-224 n.g. 10.792 10.920 11.158 11.499 11.527 11.74 11.954 12.106 12.584 12.832 12.958

Ps 225-236 9.977 10.302 10.632 11.027 11.787 11.931 11.918 11.912 11.913 12.312 12.676 12.872

Ps 237-245 14.675 13.839 13.080 ~~11.889~~ 12.167 12.478 12.733 12.818 13.007

Pcw = 12.636 L = .0259 Pcb = 12.094 Ptc/Pcw = 1.141 Wc = 1.69 T = 71. B = 29.96

Run 1-16 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.610 0.670

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.994~~ .998

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.008 -.001 -.008

Pt/Pto 101-130
.961 .925 .956 .970 .991 .986 .992 .938 .968 .986
1.000 1.000 .999 .950 .969 .997 1.000 1.000 1.000 .963
.972 1.000 1.000 1.000 1.000 .986 .991 1.000 1.000 1.000

Ptc = 14.390 Ptc/Pto = .983 K = .0760

Cp 310-320
-.080 -.025 -.011 -.006 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.072 -.025 -.009 -.004 -.003 -.001 ~~-.000~~ ~~-.000~~ -.000

Ps 301-309 12.797 10.774 ~~13.546~~ 11.212 12.121 12.781 12.760 12.684 12.707

Ps 201-206 12.758 12.721 12.658 12.671 12.503 12.506

Ps 207-212 12.080 12.108 12.155 12.142 12.123 12.054

Ps 213-224 n.g. 9.659 10.079 11.016 11.731 12.034 12.189 12.237 12.247 ~~12.577~~ 12.872 12.986

Ps 225-236 10.001 10.380 10.793 11.264 11.861 11.940 11.923 11.914 11.931 12.362 12.694 12.874

Ps 237-245 14.610 13.878 13.165 ~~12.678~~ 12.296 12.580 12.794 12.836 13.004

Pcw = 12.636 L = .0177 Pcb = 12.110 Ptc/Pcw = 1.139 Wc = 1.68 T = 70. B = 29.77

Run 1-17 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.677 0.740

Pt/Pto 131-144

1.000 .999 1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .994 .998

Cp 330-344

.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.010 -.002 -.010

Pt/Pto 101-130

.915 .898 .968 .968 .985 .980 .928 .904 .984 .985
.998 .995 .946 .917 .990 .998 1.000 .996 .973 .942
.995 1.000 1.000 .998 .997 .982 .999 1.000 1.000 1.000

Ptc = 14.262 Ptc/Pto = .975 K = .1049

Cp 310-320

-.093 -.032 -.016 -.009 -.006 -.002 -.001 -.000 -.000 -.000 -.000

Cp 321-329

-.078 -.026 -.008 -.004 -.002 -.001 .000 .000 .000

Ps 301-309 12.194 13.554 13.511 14.397 11.475 12.129 12.114 12.049 12.103

Ps 201-206 12.133 12.086 12.034 12.065 11.829 11.830

Ps 207-212 11.277 11.299 11.341 11.340 11.308 11.236

Ps 213-224 n.g. 9.761 9.924 10.234 10.611 10.710 10.964 11.209 11.394 11.973 12.264 12.411

Ps 225-236 n.g. n.g. n.g. 9.559 10.737 11.105 11.174 11.169 11.175 11.638 12.066 12.321

Ps 237-245 14.579 13.745 12.843 12.284 11.475 11.825 12.138 12.247 12.496

Pcw = 11.996 L = .0213 Pcb = 11.300 Ptc/Pcw = 1.189 Wc = 1.85 T = 70. B = 29.77

Run 1-20 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.742, 0.738

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .993 .998

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 -.010 -.001 -.010

Pt/Pto 101-130
.922 .904 .950 .977 .992 .982 .938 .905 .972 .989
.999 .997 .960 .911 .991 .999 1.000 .998 .983 .933
.994 1.000 1.000 .999 .997 .973 .996 1.000 1.000 1.000

Ptc = 14.355 Ptc/Pto = .975 K = .0986

Cp 310-320
-.092 ~~-.002~~ -.016 -.008 -.005 -.002 -.001 -.000 -.000 -.000 -.000

Cp 321-329
-.086 -.030 -.010 -.005 -.003 -.001 ~~-.000~~ ~~-.000~~ ~~-.000~~

Ps 301-309 12.423 13.843 14.263 10.940 11.713 12.223 12.245 12.194 12.257

Ps 201-206 12.247 12.211 12.193 12.309 12.053 11.958

Ps 207-212 11.442 11.501 11.523 11.506 11.465 11.401

Ps 213-224 n.g. 9.938 10.144 10.387 10.645 10.870 11.167 11.429 11.612 12.131 12.414 12.555

Ps 225-236 n.g. n.g. 9.559 9.918 11.017 11.277 11.298 11.289 11.293 11.782 12.211 12.462

Ps 237-245 14.665 13.819 12.906 ~~12.802~~ 11.635 11.984 12.299 12.400 12.637

Pcv = 12.162 L = .0245 Pcb = 11.473 Ptc/Pcv = 1.180 Mc = 1.84 T = 65. B = 29.94

Run 1-24 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.677 0.742

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.993	.998

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	-.000	-.000	-.000	-.000	-.000	-.000	-.002	~~-.004~~	-.002	-.010

Pt/Pto 101-130

.948	.906	.953	.960	.973	.982	.992	.921	.968	.975
.999	1.000	.999	.933	.973	.992	1.000	1.000	1.000	.949
.980	.999	1.000	1.000	.999	.981	.995	1.000	1.000	1.000

Ptc = 14.401 Ptc/Pto = .979 K = .0962

Cp 310-320

-.034	~~-.003~~	-.014	-.007	-.004	-.002	-.000	-.000	-.000	-.000	-.000

Cp 321-329

-.085	-.029	-.010	-.005	-.003	-.001	~~-.000~~	~~-.000~~	~~-.000~~

Ps 301-309	12.128	13.894	13.937	14.369	~~14.620~~	12.297	12.283	12.192	12.237	
Ps 201-206	12.323	12.304	12.276	12.123	11.814	11.884				
Ps 207-212	11.394	11.441	11.499	11.474	11.424	11.353				
Ps 213-224	n.g.	n.g.	n.g.	10.121	11.008	11.394	11.585	11.640	11.649	12.083	12.458	12.604
Ps 225-236	n.g.	n.g.	9.602	10.043	11.055	11.289	11.299	11.286	11.299	11.805	12.222	12.453
Ps 237-245	14.666	13.707	12.781	~~13.368~~	11.624	12.013	12.316	12.385	12.618			

Pcv = 12.121 L = .0353 Pcb = 11.431 Ptc/Pcv = 1.188 Wc = 1.87 T = 68. B = 29.92

Run 1-25 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*~~=.677~~ 0.730, 0.740

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .996 .999

Cp 330-344
~~-.000~~ -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.002 ~~-.005~~ -.001 -.010

Pt/Pto 101-130
.924 .897 .951 .990 .992 .980 .938 .905 1.030 .998
.999 .998 .957 .917 .980 1.000 1.000 1.000 .982 .939
.984 1.000 1.000 1.000 1.002 1.026 1.007 1.000 1.000 1.000

Ptc = 14.431 Ptc/Pto = .980 K = .1358

Cp 310-320
-.092 ~~-.001~~ -.015 -.008 -.005 -.002 -.001 -.000 -.000 -.000 -.000

Cp 321-329
-.085 -.029 -.010 -.005 -.003 -.001 ~~-.000~~ ~~-.000~~ ~~-.000~~

Ps 301-309 17.134 15.738 15.419 14.621 ~~14.503~~ 12.24h 12.253 12.176 12.231

Ps 201-206 12.309 12.284 12.286 12.143 11.834 11.900

Ps 207-212 11.417 11.479 11.515 11.464 11.431 11.370

Ps 213-224 n.g. 9.954 10.125 10.301 10.531 18.710 18.378 11.384 17.859 17.339 17.059 16.907

Ps 225-236 n.g. n.g. 19.869 19.488 18.424 18.181 18.180 18.192 18.191 17.689 17.258 12.432

Ps 237-245 14.675 15.730 16.664 ~~17.675~~ 17.872 17.494 12.265 12.365 16.840

Pcw = 12.126 L = .0329 Pcb = 11.446 Ptc/Pcw = 1.190 Wc = 1.87 T = 72. B = 29.96

Run 1-21 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=. 0.792, 0.798

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.992	.998

Cp 330-344

~~-.000~~	-.000	-.000	-.000	-.001	.000	-.000	-.000	-.000	-.000	-.000	-.002	-.011	-.002	-.011

Pt/Pto 101-130

.928	.892	.936	.960	.984	.985	.975	.915	.951	.975
.998	.999	.996	.934	.953	.994	1.000	1.000	.999	.952
.962	.999	.999	.999	.999	.982	.990	.999	.999	.999

Ptc = 14.352 Ptc/Pto = .975 K = .1101

Cp 310-320

-.108	~~-.002~~	-.017	-.009	-.005	-.002	-.001	-.000	-.000	-.000	-.000

Cp 321-329

-.094	-.033	-.012	-.006	-.004	-.001	~~-.000~~	~~-.000~~	~~-.000~~

Ps 301-309 12.122 13.142 13.171 13.482 14.691 11.864 11.858 11.751 11.811

Ps 201-206 11.808 11.755 11.726 11.846 11.554 11.439

Ps 207-212 10.779 10.826 10.924 10.912 10.830 10.737

Ps 213-224 n.g. n.g. n.g. n.g. 10.330 10.778 11.012 11.090 11.106 11.625 12.060 12.227

Ps 225-236 n.g. n.g. n.g. n.g. 10.411 10.704 10.698 10.682 10.696 11.290 11.789 12.064

Ps 237-245 14.681 13.655 12.584 ~~10.414~~ 11.109 11.54 11.882 11.960 12.243

Pcv = 11.688 L = .0283 Pcb = 10.835 Ptc/Pcv = 1.228 Wc = 1.99 T = 65. B = 29.94

Run 2-1 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.~~4~~4 0.512

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .997 .994 ~~.990~~ .985

Cp 330-344
~~-.016~~ -.285 -.533 -.427 -.229 .451 -.162 -.512 -.674 -.590 -.476 -.190 -.439 -.238 -.368

Pt/Pto 101-130
.992 .993 .987 .976 .997 .996 1.000 1.000 1.000 .984
1.000 1.000 1.000 1.000 1.000 .995 .999 1.000 1.000 .999
1.000 .999 .999 1.000 1.000 .999 1.000 .999 1.000 1.000

Ptc = 14.983 Ptc/Pto = .997 K = .0236

Cp 310-320
.956 .706 .469 .282 .184 .031 -.066 -.159 -.218 -.150 ~~-.078~~

Cp 321-329
.320 .399 .219 .134 .072 -.009 ~~-.067~~ ~~-.027~~ ~~-.027~~

Ps 301-309 13.928 13.590 ~~14.616~~ 13.914 14.061 14.121 14.136 14.128 14.135

Ps 201-206 14.151 14.14 14.107 14.102 14.024 14.038

Ps 207-212 13.841 13.837 13.866 13.862 13.851 13.823

Ps 213-224 14.385 13.606 13.306 13.535 13.838 13.94 13.976 13.972 13.964 14.742 14.750 14.750

Ps 225-236 14.759 14.749 14.749 14.744 14.756 14.751 14.746 14.709 14.708 14.701 14.699 14.712

Ps 237-245 14.748 14.74 14.710 ~~14.649~~ 14.708 14.704 14.741 14.700 14.720

Pcw = 14.095 L = .0085 Pcb = 13.847 Ptc/Pcw = 1.063 Wc = 1.28 T = 57. B = 30.11

Run 2-2 C1 I2 S2 B1 Eng 2 α=-4° β=0° m/m*=.474 0.513

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .995 ~~.990~~ .985

Cp 330-344
~~-.025~~ -.240 -.487 -.404 -.227 .487 -.081 -.427 -.601 -.541 -.444 -.176 -.434 -.231 -.377

Pt/Pto 101-130
.992 .994 .990 .977 .997 .995 1.000 1.000 1.000 .987
1.000 .999 1.000 1.000 .999 .997 .999 .999 .999 .999
.999 .999 .999 .999 .999 .999 .999 .999 .999 .999

Ptc = 14.981 Ptc/Pto = .997 K = .0225

Cp 310-320
.979 .782 .546 .359 .254 .088 -.028 -.131 -.199 -.151 ~~-.084~~

Cp 321-329
.721 .288 .109 .039 -.011 -.082 ~~-.034~~ ~~-.035~~ ~~-.035~~

Ps 301-309 14.025 13.549 ~~14.781~~ 13.970 14.091 14.121 14.138 14.127 14.134

Ps 201-206 14.150 14.14 14.108 14.102 14.021 14.036

Ps 207-212 13.835 13.835 13.863 13.859 13.849 13.822

Ps 213-224 14.215 13.469 13.290 13.478 13.833 13.918 13.953 13.955 13.951 14.111 14.252 14.302

Ps 225-236 14.877 14.178 13.664 13.754 14.479 14.547 14.534 14.531 14.519 14.520 14.527 14.566

Ps 237-245 14.801 14.652 14.308 ~~14.301~~ 13.796 13.985 14.163 14.206 14.289

Pcv = 14.094 L = .0086 Pcb = 13.844 Ptc/Pcv = 1.063 Wc = 1.26 T = 72. B = 30.10

Run 2-3 C1 I2 S2 B1 Eng 2 α=-10° β=0° m/m*=.474 0.512

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .999 .997 ~~.991~~ .985

Cp 330-344
~~-.048~~ -.153 -.391 -.349 -.214 .569 .071 -.261 -.450 -.426 -.355 -.129 -.408 -.191 -.372

Pt/Pto 101-130
.991 .994 .995 .979 .997 .995 1.000 1.000 1.000 .991
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.996 Ptc/Pto = .998 K = .0209

Cp 310-320
.972 .903 .711 .494 .385 .202 .058 -.058 -.141 -.118 ~~-.075~~

Cp 321-329
.602 .140 -.004 -.093 -.139 -.193 ~~-.061~~ ~~-.062~~ ~~-.061~~

Ps 301-309 14.195 13.511 ~~14.773~~ 14.051 14.139 14.132 14.137 14.130 14.136

Ps 201-206 14.146 14.143 14.104 14.098 14.018 14.031

Ps 207-212 13.827 13.826 13.856 13.852 13.84h 13.813

Ps 213-224 13.859 13.212 13.112 13.335 13.772 13.881 13.930 13.938 13.937 14.095 14.235 14.285

Ps 225-236 14.857 14.162 13.642 13.704 14.395 14.474 14.459 14.454 14.441 14.443 14.458 14.524

Ps 237-245 14.804 14.621 14.263 ~~14.277~~ 13.772 13.961 14.14 14.175 14.268

Pcw = 14.090 L = .0085 Pcb = 13.836 Ptc/Pcw = 1.064 Wc = 1.27 T = 74. B = 30.11

Run 2-4 C1 I2 S2 B1 Eng 2 α=-20° β=0° m/m*=~~.474~~ 0.512

P:/Pto 131-144

~~1.000~~ 1.009 1.009 ~~1.000~~ 1.009 1.009 1.009 1.009 1.009 1.009 1.009 1.007 ~~1.000~~ .998

Cp 330-344

~~-.134~~ -.535 -.532 -.411 -.416 1.354 .080 .377 -.442 -.447 -.374 -.027 -.770 -.204 -.401

Pt/Pto 101-130

.997 1.003 .998 1.006 1.003 1.003 1.008 1.009 1.008 1.008
1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008
1.007 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008 1.008

Ptc = 14.999 Ptc/Pto = 1.007 K = .0114

Cp 310-320

2.137 2.239 2.024 1.417 .962 .790 .542 .226 -.070 -.073 ~~-.075~~

Cp 321-329

.575 -.483 -.668 -.804 -.902 -1.001 ~~-.304~~ ~~-.309~~ ~~-.311~~

Ps 301-309 14.217 14.783 ~~14.251~~ 14.188 14.194 14.149 14.142 14.136 14.442

Ps 201-206 14.801 14.815 14.756 14.761 14.679 14.693

Ps 207-212 14.489 14.491 14.511 14.504 14.503 14.474

Ps 213-224 13.665 13.446 13.759 13.764 14.339 14.485 14.553 14.573 14.581 14.750 14.885 14.936

Ps 225-236 15.313 14.449 13.947 14.274 14.811 14.877 14.840 14.999 14.989 15.023 15.110 15.135

Ps 237-245 15.526 15.231 14.840 ~~14.714~~ 14.483 14.687 14.840 14.935 14.931

Pcw = 14.752 L = .0091 Pcb = 14.495 Ptc/Pcw = 1.017 Wc = .68 T = 75. B = 30.11

Run 2-5 C1 I2 S2 B1 Eng 2 α=4° β=0° m/m*=.494 0.512

Pt/Pto 131-144
~~1.00~~ 1.000 1.000 ~~1.00~~ 1.000 .999 1.000 1.000 1.000 .999 .996 .993 ~~.989~~ .985

Cp 330-344
~~-.020~~ -.336 -.581 -.448 -.230 .410 -.243 -.593 -.739 -.631 -.504 -.199 -.443 -.242 -.362

Pt/Pto 101-130
.993 .994 .985 .975 .998 .996 1.000 1.000 .998 .982
1.000 1.000 1.000 1.000 1.000 .992 1.000 1.000 1.000 1.000
1.000 .999 1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.981 Ptc/Pto = .997 K = .0250

Cp 310-320
.932 .643 .350 .210 .124 -.017 -.099 -.182 -.230 -.150 ~~-.069~~

Cp 321-329
.928 .569 .302 .220 .153 .053 ~~-.032~~ ~~-.032~~ ~~-.032~~

Ps 301-309 13.806 13.592 ~~14.94~~ 13.918 13.982 14.094 14.120 14.119 14.120

Ps 201-206 14.139 14.137 14.096 14.090 14.012 14.012

Ps 207-212 13.813 13.813 13.839 13.840 13.830 13.803

Ps 213-224 14.518 13.687 13.441 13.553 13.782 13.94h 13.963 13.956 13.945 14.075 14.222 14.276

Ps 225-236 14.497 13.784 13.277 13.402 13.716 14.115 14.186 14.036 14.041 14.079 14.338 14.443

Ps 237-245 14.857 14.559 14.167 ~~14.005~~ 13.839 14.003 14.154 14.179 14.267

Pcw = 14.081 L = .0085 Pcb = 13.823 Ptc/Pcw = 1.064 Wc = 1.26 T = 77. B = 30.11

Run 2-6 C1 I2 S2 B1 Eng 2 α=10° β=0° m/m*=.474 0.512

Pt/Pto 131-144

~~.986~~ 1.000 1.000 ~~.987~~ 1.000 .997 1.000 1.000 .998 .996 .993 .990 ~~.988~~ .984

Cp 330-344

~~-.953~~ -.403 -.638 -.470 -.235 .349 -.346 -.689 -.807 -.667 -.517 -.203 -.444 -.239 -.352

Pt/Pto 101-130

.994 .993 .982 .974 .998 .997 1.000 1.000 .990 .980
1.000 1.000 1.000 1.000 .998 .998 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.969 Ptc/Pto = .996 K = .0264

Cp 310-320

.885 .501 .336 .123 .046 -.070 -.130 -.196 -.231 -.130 ~~-.059~~

Cp 321-329

.981 .676 .436 .326 .245 .117 ~~-.064~~ ~~-.063~~ ~~-.063~~

Ps 301-309 13.599 13.543 ~~14.735~~ 13.698 13.887 14.068 14.092 14.086 14.094

Ps 201-206 14.115 14.112 14.073 14.065 13.986 13.993

Ps 207-212 13.784 13.783 13.808 13.907 13.798 13.773

Ps 213-224 14.662 13.805 13.514 13.572 13.739 13.936 13.949 13.937 13.923 14.057 14.206 14.251

Ps 225-236 14.476 13.568 13.229 13.346 13.64 14.042 14.109 13.988 13.999 14.045 14.281 14.400

Ps 237-245 14.878 14.549 14.194 ~~13.944~~ 13.817 13.982 14.139 14.163 14.243

Pcw = 14.057 L = .0086 Pcb = 13.792 Ptc/Pcw = 1.065 Wc = 1.27 T = 78. B = 30.10

Run 2-7 C1 I2 S2 B1 Eng 2 α=20° β=0° m/m*=.~~474~~ 0.513, 0.514

Pt/Pto 131-144
~~.979~~ 1.000 1.000 ~~.999~~ .998 .995 .999 .999 .997 .995 .992 .990 ~~.988~~ .984

Cp 330-344
~~-.092~~ -.491 -.682 -.477 -.238 .281 -.453 -.768 -.834 -.648 -.480 -.167 -.411 -.203 -.332

Pt/Pto 101-130
.995 .980 .971 .974 .999 .998 1.000 .991 .980 .982
1.000 1.000 1.000 .998 .990 .992 1.000 1.000 1.000 1.000
.998 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.946 Ptc/Pto = .995 K = .0295

Cp 310-320
.775 .375 .240 .037 -.021 -.105 -.127 -.171 -.189 -.073 ~~-.039~~

Cp 321-329
.876 .815 .592 .440 .338 .174 ~~-.109~~ ~~-.109~~ ~~-.110~~

Ps 301-309 13.447 13.357 ~~14.725~~ 13.518 13.747 14.033 14.072 14.063 14.063

Ps 201-206 14.081 14.072 14.041 14.033 13.949 13.957

Ps 207-212 13.740 13.740 13.768 13.765 13.755 13.730

Ps 213-224 14.813 13.956 13.616 13.608 13.781 13.906 13.928 13.907 13.887 14.036 14.185 14.235

Ps 225-236 14.393 13.501 13.203 13.307 13.587 13.954 14.023 13.938 13.94 14.025 14.236 14.371

Ps 237-245 14.878 14.54 14.182 ~~13.695~~ 13.801 13.966 14.125 14.146 14.226

Pcw = 14.022 L = .0089 Pcb = 13.750 Ptc/Pcw = 1.066 Wc = 1.27 T = 78. B = 30.10

Run 2-8 C1 I2 S2 B1 Eng 2 α=0° β=-4° m/m*=.474 0.513, 0.512

Pt, Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 1.000 .999 .996 ~~.989~~ .985

Cp 330-344
~~-.000~~ -.198 -.481 -.404 -.209 .445 -.166 -.511 -.673 -.592 -.477 -.254 -.566 -.217 -.338

Pt/Pto 101-130
.992 .991 .981 .978 .999 .998 1.000 1.000 .988 .987
1.000 1.000 1.000 1.000 .998 .994 .999 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.966 Ptc/Pto = .997 K = .0216

Cp 310-320
.982 .719 .566 .280 .185 .034 -.058 -.148 -.210 -.157 ~~-.064~~

Cp 321-329
.982 .728 .482 .340 .259 .134 ~~-.027~~ ~~-.029~~ ~~-.028~~

Ps 301-309 13.666 13.532 ~~14.633~~ 13.728 13.928 14.085 14.112 14.105 14.106

Ps 201-206 14.113 14.112 14.076 14.072 13.992 13.998

Ps 207-212 13.792 13.791 13.820 13.814 13.807 13.778

Ps 213-224 14.376 13.573 13.351 13.493 13.739 13.905 13.934 13.928 13.920 13.995 14.152 14.214

Ps 225-236 14.171 13.417 13.198 13.255 13.518 13.876 13.948 13.864 13.874 13.937 14.128 14.405

Ps 237-245 14.853 14.486 14.094 ~~13.888~~ 14.134 14.14 14.161 14.158 14.220

Pcv = 14.061 L = .0080 Pcb = 13.300 Ptc/Pcv = 1.064 Wc = 1.27 T = 75. B = 30.09

Run 2-9 C1 I2 S2 B1 Eng 2 α=0° β=-10° m/m* = ~~.474~~ 0.513

Pt/Pto 131-144
~~.999~~ .999 .999 ~~1.000~~ .998 .996 1.000 1.000 1.000 1.000 .998 .995 ~~.987~~ .983

Cp 330-344
~~-.249~~ -.127 -.445 -.413 -.234 .386 -.203 -.533 -.685 -.605 -.495 -.488 -.368 -.224 -.329

Pt/Pto 101-130
.992 .972 .994 .981 1.000 .998 1.000 .983 .989 .989
1.000 1.000 1.000 .991 .991 .994 .999 .999 .999 .996
.995 .998 .999 .999 .999 .999 .999 1.000 .999 1.000

Ptc = 14.944 Ptc/Pto = .995 K = .0278

Cp 310-320
.861 .616 .437 .219 .123 -.017 -.097 -.181 -.246 -.219 ~~-.143~~

Cp 321-329
.918 .900 .695 .560 .466 .302 ~~-.071~~ ~~-.072~~ ~~-.071~~

Ps 301-309 13.435 13.424 ~~14.524~~ 13.515 13.785 14.024 14.054 14.057 14.063

Ps 201-206 14.087 14.079 14.056 14.049 13.963 13.967

Ps 207-212 13.757 13.757 13.789 13.784 13.775 13.749

Ps 213-224 14.398 13.594 13.348 13.467 13.743 13.873 13.996 13.885 13.870 14.087 14.231 14.274

Ps 225-236 14.390 14.194 13.422 13.255 13.495 13.832 13.890 13.827 13.842 13.928 14.119 14.400

Ps 237-245 14.841 14.541 14.057 ~~13.971~~ 13.637 13.910 14.119 14.175 14.255

Pcw = 14.034 L = .0083 Pcb = 13.769 Ptc/Pcw = 1.065 Wc = 1.26 T = 77. B = 30.09

Run 2-10 C1 I2 S2 B1 Eng 2 α=0° β=4° m/m*=~~.474~~ 0.512

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 .999 .996 .993 ~~.989~~ .985

Cp 330-344
~~-.016~~ -.375 -.590 -.461 -.262 .451 -.155 -.506 -.669 -.587 -.473 -.205 -.448 -.256 -.402

Pt/Pto 101-130
.992 .995 .994 .977 .993 .993 1.000 1.000 1.000 .985
1.000 1.000 1.000 1.000 .999 .997 .999 1.000 1.000 1.000
.999 .999 .999 1.000 1.000 1.000 .999 .999 1.000 1.000

Ptc = 14.971 Ptc/Pto = .997 K = .0229

Cp 310-320
.981 .711 .528 .274 .174 .014 -.091 -.187 -.238 -.159 ~~-.086~~

Cp 321-329
.554 .096 -.013 -.054 -.090 -.133 ~~-.019~~ ~~-.021~~ ~~-.020~~

Ps 301-309 14.099 13.549 ~~14.618~~ 13.997 14.098 14.115 14.135 14.125 14.127

Ps 201-206 14.145 14.141 14.109 14.104 14.031 14.035

Ps 207-212 13.833 13.834 13.858 13.859 13.850 13.825

Ps 213-224 14.343 13.548 13.350 13.510 13.822 13.929 13.963 13.964 13.958 14.102 14.241 14.285

Ps 225-236 14.963 14.562 13.992 13.751 13.599 13.827 13.893 13.825 13.841 13.917 14.104 14.400

Ps 237-245 14.854 13.774 13.316 ~~13.732~~ 13.313 13.792 14.066 14.156 14.254

Pcw = 14.094 L = .0076 Pcb = 13.843 Ptc/Pcw = 1.062 Wc = 1.24 T = 78. B = 30.08

Run 2-11 C1 I2 S2 B1 Eng 2 α=0° β=10° m/m*=~~.474~~ 0.513

Pt/Pto 131-144
~~.995~~ .999 .999 ~~.995~~ .999 .997 1.000 1.000 1.000 .999 .996 .993 ~~.987~~ .984

Cp 330-344
~~-.061~~ -.558 -.718 -.559 -.367 .401 -.179 -.526 -.688 -.609 -.498 -.431 -.748 -.336 -.520

Pt/Pto 101-130
.992 .998 .999 .980 .997 .991 1.001 1.001 1.000 .992
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.990 Ptc/Pto = .998 K = .0201

Cp 310-320
.94 .713 .468 .228 .120 -.053 -.175 -.270 -.320 -.219 ~~-.148~~

Cp 321-329
-.101 -.433 -.372 -.344 -.339 -.316 ~~-.056~~ ~~-.055~~ ~~-.056~~

Ps 301-309 14.275 13.472 ~~14.615~~ 14.072 14.137 14.116 14.132 14.116 14.125

Ps 201-206 14.131 14.126 14.089 14.087 14.010 14.017

Ps 207-212 13.810 13.814 13.836 13.836 13.827 13.800

Ps 213-224 14.195 13.410 13.238 13.424 13.797 13.887 13.930 13.932 13.929 14.078 14.230 14.273

Ps 225-236 14.961 14.550 13.983 13.785 13.696 13.883 13.941 13.880 13.896 13.947 14.114 14.367

Ps 237-245 14.798 13.768 13.316 ~~13.621~~ 13.336 13.791 14.056 14.14 14.240

Pcv = 14.077 L = .0081 Pcb = 13.820 Ptc/Pcv = 1.065 Wc = 1.27 T = 81. B = 30.08

Run 2-12 C1 I2 S2 B1 Eng 2 α=4° β=10° m/m*=~~.424~~ 0.512, 0.514

Pt/Ptc 131-144
~~.999~~ .999 .999 ~~.999~~ .999 .996 1.000 1.000 .999 .998 .995 .992 ~~.986~~ .983

Cp 330-344
~~-.062~~ -.564 -.723 -.536 -.325 .355 -.261 -.610 -.756 -.652 -.528 -.437 -.755 -.330 -.500

Pt/Pto 101-130
.993 .997 .996 .980 .995 .990 1.000 1.000 1.000 .987
.999 .999 .999 1.000 .999 .998 .999 .999 .999 .999
.999 .999 .999 .999 .999 .999 .999 .999 .999 .999

Ptc = 14.969 Ptc/Pto = .997 K = .0195

Cp 310-320
.893 .626 .411 .171 .072 -.089 -.193 -.267 -.306 -.187 ~~-.107~~

Cp 321-329
.162 -.219 -.214 -.204 -.210 -.205 ~~-.058~~ ~~-.058~~ ~~-.058~~

Ps 301-309 14.144 13.472 ~~14.595~~ 13.995 14.077 14.075 14.097 14.085 14.090

Ps 201-206 14.111 14.107 14.071 14.066 13.990 13.996

Ps 207-212 13.786 13.786 13.811 13.812 13.802 13.775

Ps 213-224 14.345 13.515 13.304 13.456 13.759 13.991 13.923 13.920 13.913 14.060 14.204 14.251

Ps 225-236 14.812 14.052 13.500 13.471 13.640 13.917 13.946 14.031 14.016 14.001 14.142 14.357

Ps 237-245 14.758 14.316 13.990 ~~13.350~~ 13.628 13.889 14.092 14.146 14.239

Pcw = 14.057 L = .0081 Pcb = 13.796 Ptc/Pcw = 1.065 Wc = 1.26 T = 83. B = 30.07

Run 2-13 C1 I2 S2 B1 Eng 2 α=4° β=4° m/m*=~~.474~~ 0.514

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~.998~~ 1.000 .999 1.000 1.000 1.000 .998 .995 .992 ~~.988~~ .984

Cp 330-344
~~-.013~~ -.402 -.619 -.464 -.246 .408 -.237 -.590 -.739 -.630 -.503 -.224 -.475 -.261 -.406

Pt/Pto 101-130
.993 .995 .991 .976 .994 .994 1.000 1.000 1.000 .982
1.000 1.000 1.000 1.000 1.000 .994 .999 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.965 Ptc/Pto = .997 K = .0240

Cp 310-320
.982 .655 .463 .219 .128 -.021 -.112 -.195 -.238 -.140 ~~-.063~~

Cp 321-329
.742 .301 .140 .070 .021 -.040 ~~-.020~~ ~~-.018~~ ~~-.019~~

Ps 301-309 13.925 13.534 ~~14.595~~ 13.880 14.013 14.071 14.094 14.082 14.090

Ps 201-206 14.102 14.099 14.064 14.059 13.981 13.968

Ps 207-212 13.776 13.775 13.802 13.802 13.792 13.766

Ps 213-224 14.433 13.592 13.358 13.489 13.750 13.900 13.927 13.920 13.911 14.031 14.179 14.231

Ps 225-236 14.329 13.603 13.499 13.466 13.638 13.816 13.949 14.013 13.999 13.998 14.136 14.355

Ps 237-245 14.808 14.316 13.888 ~~13.435~~ 13.946 14.04 14.136 14.158 14.237

Pcw = 14.049 L = .0081 Pcb = 13.786 Ptc/Pcw = 1.065 Wc = 1.26 T = 83. B = 30.07

Run 2-14 C1 I2 S2 B1 Eng 2 α=4° β=-4° m/m*=~~.47~~ 0.513

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .998 1.000 1.000 1.000 1.000 .998 .995 ~~.988~~ .984

Cp 330-344
~~-.017~~ -.269 -.545 -.444 -.231 .403 -.249 -.594 -.736 -.633 -.504 -.259 -.570 -.229 -.34h

Pt/Pto 101-130
.992 .987 .984 .978 .999 .998 1.000 .999 .990 .985
1.000 1.000 1.000 1.000 .996 .993 .999 1.000 1.000 1.000
.999 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.949 Ptc/Pto = .996 K = .0223

Cp 310-320
.930 .618 .513 .204 .117 -.027 -.096 -.177 -.232 -.166 ~~-.086~~

Cp 321-329
.973 .785 .557 .403 .314 .175 ~~-.032~~ ~~-.033~~ ~~-.032~~

Ps 301-309 13.536 13.477 ~~14.551~~ 13.628 13.828 14.040 14.068 14.067 14.068

Ps 201-206 14.078 14.073 14.034 14.030 13.948 13.355

Ps 207-212 13.744 13.743 13.759 13.770 13.759 13.732

Ps 213-224 14.476 13.639 13.381 13.480 13.705 13.876 13.897 13.868 13.876 13.925 14.093 14.152

Ps 225-236 13.969 13.292 13.017 13.129 13.372 13.767 13.812 13.885 13.903 13.953 14.095 14.302

Ps 237-245 14.904 14.764 14.425 ~~13.614~~ 14.075 14.082 14.088 14.082 14.142

Pcw = 14.020 L = .0087 Pcb = 13.753 Ptc/Pcw = 1.066 Wc = 1.27 T = 86. B = 30.06

Run 2-15 C1 I2 S2 B1 Eng 2 α=4° β=-10° m/m*=.474 0.513

Pt/Pto 131-144
~~.99~~ .999 .999 ~~1.000~~ .999 .996 1.000 1.000 1.000 .999 .998 .994 ~~.986~~ .983

Cp 330-344
~~-.050~~ -.225 -.542 -.489 -.293 .34 -.287 -.619 -.751 -.653 -.528 -.492 -.975 -.254 -.366

Pt/Pto 101-130
.991 .965 .981 .977 1.000 .999 1.000 .974 .986 .985
1.000 1.000 1.000 .982 .988 .991 1.000 1.000 1.000 .990
.991 .998 1.000 1.000 1.000 .998 .999 1.000 1.000 1.000

Ptc = 14.901 Ptc/Pto = .993 K = .034

Cp 310-320
.843 .533 .345 .138 .04 -.095 -.156 -.233 -.293 -.241 ~~-.167~~

Cp 321-329
.825 .952 .[illegible] .589 .489 .312 ~~-.072~~ -.072 -.071

Ps 301-309 13.186 13.223 ~~14.580~~ 13.333 13.665 13.930 13.961 13.960 13.981

Ps 201-206 14.010 13.996 13.977 13.966 13.872 13.873

Ps 207-212 13.650 13.650 13.634 13.678 13.668 13.640

Ps 213-224 14.440 13.581 13.302 13.387 13.607 13.789 13.804 13.786 13.770 13.908 14.071 14.131

Ps 225-236 13.819 13.072 13.189 13.184 13.347 13.645 13.674 13.755 13.780 13.926 14.062 14.260

Ps 237-245 14.880 14.935 14.673 ~~13.671~~ 14.064 14.071 14.082 14.075 14.150

Pcw = 13.949 L = .0093 Pcb = 13.662 Ptc/Pcw = 1.068 Wc = 1.28 T = 86. B = 30.06

Run 2-15r C1 I2 S2 B1 Eng 2 α=4° β=-10° m/m*=~~.474~~ 0.514

Pt/Pto 131-144
~~.999~~ .999 .999 ~~1.000~~ .998 .995 1.000 1.000 1.000 1.000 .998 .994 .986 .983

Cp 330-344
-.036 -.219 -.531 -.478 -.281 .34 -.280 -.608 -.74 -.645 -.520 -.489 -.970 -.24 -.348

Pt/Pto 101-130
.991 .967 .982 .978 1.000 .999 1.000 .975 .986 .984
1.000 1.000 1.000 .983 .988 .991 1.000 1.000 1.000 .990
.992 .998 1.000 1.000 1.000 .998 .999 .999 1.000 1.000

Ptc = 14.872 Ptc/Pto = .993 K = .0332

Cp 310-320
.829 .506 .314 .134 .042 -.086 -.154 -.231 -.288 -.237 -.162

Cp 321-329
.825 .891 .7[illegible] .586 .483 .312 -.060 -.062 -.060

Ps 301-309 13.214 13.254 ~~14.507~~ 13.351 13.663 13.926 13.960 13.952 13.971

Ps 201-206 14.005 13.988 13.965 13.959 13.862 13.870

Ps 207-212 13.655 13.658 13.692 13.680 13.674 13.643

Ps 213-224 14.440 13.602 13.327 13.407 13.622 13.796 13.810 13.791 13.772 13.910 14.070 14.132

Ps 225-236 13.828 13.087 13.200 13.194 13.287 13.289 13.308 13.357 13.428 13.828 13.990 14.076

Ps 237-245 14.774 14.912 14.662 ~~14.640~~ 14.069 14.074 14.084 14.073 14.146

Pcv = 13.941 L = .0096 Pcb = 13.667 Ptc/Pcv = 1.067 Wc = 1.29 T = 68. B = 30.00

Run 2-16 C1 I2 S2 B1 Eng 2 α=-4° β=-10° m/m*=~~.471~~ 0.511

Pt/Pto 131-144

~~.999~~ .999 .999 ~~1.666~~ .998 .997 1.000 1.000 .999 1.000 .999 .996 ~~.987~~ .983

Cp 330-344

~~-.046~~ -.038 -.358 -.345 -.184 .430 -.115 -.439 -.604 -.548 -.454 -.479 -.978 -.197 -.327

Pt/Pto 101-130

.991 .375 .985 .982 1.000 .999 1.000 .987 .990 .990
1.000 1.000 1.000 .996 .993 .995 .999 1.000 1.000 .999
.998 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.910 Ptc/Pto = .996 K = .0255

Cp 310-320

.902 .740 .574 .316 .217 .060 -.036 -.126 -.198 -.185 ~~-.117~~

Cp 321-329

.933 .889 .696 .533 .439 .284 ~~-.079~~ ~~-.080~~ ~~-.078~~

Ps 301-309 13.432 13.383 ~~14.526~~ 13.510 13.764 13.986 14.007 13.997 14.008

Ps 201-206 14.025 14.012 13.977 13.978 13.885 13.895

Ps 207-212 13.584 13.683 13.716 13.711 13.700 13.668

Ps 213-224 14.121 13.357 13.161 13.337 13.689 13.783 13.818 13.811 13.801 13.955 14.108 14.166

Ps 225-236 14.026 13.168 13.121 13.146 13.252 13.340 13.419 13.519 13.611 13.902 14.029 14.107

Ps 237-245 14.770 14.908 14.657 ~~14.506~~ 14.067 14.081 14.107 14.106 14.177

Pcw = 13.962 L = .0094 Pcb = 13.694 Ptc/Pcw = 1.068 Wc = 1.29 T = 75. B = 30.00

Run 2-17 C1 I2 S2 B1 Eng 2 α=-4° β=-4° m/m*=.474 0.511

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000 1.000 .997 .989 .985

Cp 330-344

.017 -.131 -.413 -.359 -.184 .487 -.078 -.421 -.593 -.537 -.437 -.241 -.568 -.197 -.340

Pt/Pto 101-130

.991 .991 .982 .978 .999 .997 1.000 1.000 .994 .988
1.000 1.000 1.000 1.000 .999 .995 1.000 1.000 1.000 1.000
.999 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.924 Ptc/Pto = .997 K = .0218

Cp 310-320

.988 .790 .606 .372 .268 .108 -.005 -.104 -.173 -.137 -.075

Cp 321-329

.961 .645 .399 .278 .200 .089 -.037 -.035 -.035

Ps 301-309 13.740 13.474 14.526 13.733 13.922 14.035 14.053 14.04 14.052

Ps 201-206 14.057 14.052 14.007 14.010 13.925 13.937

Ps 207-212 13.732 13.727 13.761 13.758 13.747 13.719

Ps 213-224 14.130 13.374 13.193 13.375 13.731 13.827 13.866 13.861 13.857 14.007 14.152 14.205

Ps 225-236 14.478 13.567 13.078 13.128 13.315 13.730 13.802 13.837 13.854 13.940 14.082 14.151

Ps 237-245 14.943 14.731 14.386 14.373 13.893 14.000 14.104 14.127 14.204

Pcw = 13.998 L = .0088 Pcb = 13.741 Ptc/Pcw = 1.066 Wc = 1.28 T = 77. B = 29.99

Run 2-18 C1 I2 S2 B1 Eng 2 α=-4° β=-4° m/m*=.~~674~~ 0.513

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 1.000 .999 .997 ~~.990~~ .985

Cp 330-344

~~-.016~~ -.127 -.406 -.354 -.180 .488 -.075 -.414 -.587 -.530 -.431 -.238 -.559 -.193 -.337

Pt/Pto 101-130

.992 .991 .982 .978 .999 .998 1.000 1.000 .994 .987
1.000 1.000 1.000 1.000 .999 .995 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.927 Ptc/Pto = .997 K = .0221

Cp 310-320

1.001 .795 .616 .373 .272 .110 -.001 -.102 -.171 -.134 ~~-.070~~

Cp 321-329

.996 .651 .415 .283 .206 .093 ~~-.036~~ ~~-.034~~ ~~-.036~~

Ps 301-309 13.722 13.460 ~~14.537~~ 13.715 13.911 14.025 14.041 14.034 14.041

Ps 201-206 14.04 14.041 13.994 14.000 13.913 13.924

Ps 207-212 13.717 13.716 13.745 13.742 13.731 13.702

Ps 213-224 14.112 13.353 13.171 13.356 13.716 13.815 13.851 13.851 13.845 13.995 14.141 14.196

Ps 225-236 14.465 13.546 13.053 13.106 13.295 13.713 13.788 13.825 13.840 13.929 14.073 14.144

Ps 237-245 14.949 14.721 14.372 ~~14.063~~ 13.877 13.988 14.093 14.117 14.196

Pcv = 13.987 L = .0090 Pcb = 13.725 Ptc/Pcv = 1.067 Wc = 1.28 T = 78. B = 29.99

Run 2-19 C1 I2 S2 B1 Eng 2 α=-4° β=4° m/m*=.~~47~~ 0.512

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .994 ~~.990~~ .985

Cp 330-344

~~-.021~~ -.335 -.550 -.448 -.275 .495 -.069 -.415 -.594 -.535 -.443 -.197 -.466 -.256 -.432

Pt/Pto 101-130

.991 .995 .996 .977 .994 .993 1.000 1.000 1.000 .988
1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.925 Ptc/Pto = .998 K = .0231

Cp 310-320

.977 .809 .581 .364 .24 .079 -.050 -.156 -.221 -.160 ~~-.094~~

Cp 321-329

.462 .013 -.088 -.135 -.168 -.200 ~~-.025~~ ~~-.023~~ ~~-.024~~

Ps 301-309 14.107 13.424 ~~14.541~~ 13.947 14.04i 14.04h 14.058 14.04i 14.04

Ps 201-206 14.059 14.051 14.010 14.01C 13.925 13.939

Ps 207-212 13.732 13.731 13.761 13.759 13.748 13.718

Ps 213-224 14.035 13.280 13.124 13.329 13.722 13.814 13.859 13.859 13.855 14.009 14.154 14.206

Ps 225-236 14.851 14.193 13.610 13.536 13.704 13.906 13.936 13.938 13.931 13.952 14.085 14.157

Ps 237-245 14.906 14.232 13.793 ~~14.079~~ 13.536 13.819 14.035 14.095 14.187

Pcw = 13.999 L = .0090 Pcb = 13.741 Ptc/Pcw = 1.066 Wc = 1.27 T = 80. B = 29.98

Run 2-20 C1 I2 S2 B1 Eng 2 α=-4° β=10° m/m*=~~.574~~ 0.512

Pt/Pto 131-144
~~.999~~ .999 .999 ~~.999~~ .998 .998 1.000 1.000 1.000 1.000 .997 .994 ~~.987~~ .984

Cp 330-344
~~-.076~~ -.541 -.699 -.565 -.403 .452 -.090 -.434 -.609 -.554 -.461 -.418 -.750 -.338 -.542

Pt/Pto 101-130
.991 .997 .999 .982 .996 .991 1.000 1.000 1.000 .994
.999 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000
.999 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000

Ptc = 14.933 Ptc/Pto = .998 K = .0176

Cp 310-320
.883 .760 .576 .293 .182 -.006 -.151 -.259 -.318 -.241 ~~-.167~~

Cp 321-329
-.325 -.611 -.527 -.460 -.446 -.411 ~~-.071~~ -.071 ~~-.070~~

Ps 301-309 14.273 13.401 ~~14.537~~ 14.026 14.078 14.053 14.061 14.04 14.054

Ps 201-206 14.062 14.053 14.008 14.014 13.929 13.942

Ps 207-212 13.734 13.731 13.763 13.760 13.749 13.719

Ps 213-224 13.910 13.179 13.049 13.266 13.710 13.797 13.846 13.851 13.84 14.008 14.155 14.207

Ps 225-236 14.905 14.522 13.937 13.797 13.894 13.971 13.999 14.001 13.983 13.961 14.089 14.158

Ps 237-245 14.647 13.695 13.219 ~~13.848~~ 13.200 13.689 13.981 14.070 14.170

Pcw = 14.001 L = .0089 Pcb = 13.743 Ptc/Pcw = 1.067 Wc = 1.28 T = 81. B = 29.98

Run 2-21 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.474 0.512

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .994 .990 .985

Cp 330-344

~~.173~~ -.267 -.534 -.417 -.222 .462 -.151 -.505 -.664 -.584 -.469 -.190 ~~-.300~~ -.227 -.382

Pt/Pto 101-130

.993 .993 .986 .976 .997 .996 1.000 1.000 .999 .984
1.000 1.000 1.000 1.000 1.000 .994 .999 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.906 Ptc/Pto = .997 K = .0240

Cp 310-320

.997 ~~-.137~~ .494 .307 .211 .051 -.053 -.146 -.207 -.139 -.090

Cp 321-329

.909 .481 .260 .172 .108 .016 ~~-.025~~ ~~-.024~~ ~~-.024~~

Ps 301-309 13.777 13.453 13.539 13.762 ~~14.545~~ 14.008 14.027 14.009 14.015

Ps 201-206 14.04 14.057 14.005 13.954 13.848 13.875

Ps 207-212 13.697 13.696 13.716 13.722 13.708 13.680

Ps 213-224 14.228 13.420 13.207 13.373 13.703 13.808 13.84 13.839 13.831 13.977 14.125 14.180

Ps 225-236 14.617 13.755 13.216 13.227 13.398 13.763 13.821 13.844 13.847 13.912 14.054 14.119

Ps 237-245 14.946 14.492 14.090 ~~11.471~~ 13.696 13.878 14.048 14.085 14.169

Pcw = 13.964 L = .0140 Pcb = 13.703 Ptc/Pcw = 1.067 Wc = 1.29 T = 72. B = 29.96

Run 3-1 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=~~.670~~ 0.662

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.006~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .994 ~~.988~~ .985

Cp 330-344

~~-.001~~ -.291 -.558 -.462 -.299 .451 -.174 -.534 -.709 -.640 -.537 -.329 -.857 -.367 -.728

Pt/Pto 101-130

.986 .987 .966 .958 .997 .994 1.000 1.000 .983 .969
1.000 1.000 1.000 1.000 .997 .984 1.000 .999 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.815 Ptc/Pto = .994 K = .0416

Cp 310-320

.623 .944 .761 .510 .384 .171 .014 -.102 -.177 -.132 -.087

Cp 321-329

.968 .809 .510 .356 .260 .117 ~~-.006~~ ~~-.005~~ ~~-.006~~

Ps 301-309 12.671 12.335 ~~13.685~~ 12.611 12.973 13.266 13.290 13.275 13.287

Ps 201-206 13.294 13.289 13.179 13.223 13.073 13.079

Ps 207-212 12.712 12.707 12.741 12.754 12.738 12.684

Ps 213-224 12.759 11.837 11.620 11.970 12.687 12.873 12.942 12.941 12.929 13.205 13.470 13.568

Ps 225-236 13.808 12.422 11.618 11.697 12.118 12.722 12.859 12.924 12.937 13.108 13.354 13.474

Ps 237-245 14.900 14.181 13.512 ~~13.736~~ 12.785 13.079 13.335 13.398 13.543

Pcw = 13.189 L = .014 Pcb = 12.723 Ptc/Pcw = 1.123 Wc = 1.62 T = 88. B = 29.87

Run 3-2 C1 I2 S2 B1 Eng 2 α=-4° β=0° m/m*=~~.620~~ 0.663

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .995 ~~.988~~ .985

Cp 330-344
-.005 -.24n -.504 -.432 -.288 .486 -.086 -.443 -.630 -.583 -.498 -.310 -.843 -.353 -.731

Pt/Pto 101-130
.985 .988 .969 .959 .997 .993 1.000 1.000 .990 .972
1.000 1.000 1.000 1.000 .999 .997 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.828 Ptc/Pto = .994 K = .0416

Cp 310-320
.730 .975 .839 .580 .450 .229 .055 -.069 -.153 -.127 -.089

Cp 321-329
.970 .734 .437 .278 .184 .051 ~~-.012~~ -.013 ~~-.013~~

Ps 301-309 12.752 12.337 ~~13.891~~ 12.676 13.030 13.271 13.289 13.283 13.285

Ps 201-206 13.288 13.282 13.172 13.221 13.066 13.075

Ps 207-212 12.705 12.704 12.733 12.746 12.729 12.677

Ps 213-224 12.462 11.641 11.474 11.864 12.646 12.84 12.931 12.934 12.927 13.207 13.472 13.568

Ps 225-236 13.927 12.546 11.697 11.751 12.172 12.770 12.897 12.94 12.964 13.097 13.352 13.471

Ps 237-245 14.900 14.160 13.482 ~~13.456~~ 12.754 13.059 13.331 13.394 13.544

Pcw = 13.184 L = .0150 Pcb = 12.716 Ptc/Pcw = 1.125 Wc = 1.63 T = 88. B = 29.87

Run 3-3 C1 I2 S2 B1 Eng 2 α=-10° β=0° m/m'=.618 0.663

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 1.000 1.000 1.000 .999 .996 ~~.988~~ .984

Cp 330-344
~~-.030~~ -.156 -.408 -.376 -.270 .564 .056 -.281 -.483 -.472 -.413 -.265 -.811 -.312 -.721

Pt/Pto 101-130
.983 .988 .974 .959 .997 .993 1.000 1.000 .998 .974
1.000 1.000 1.000 1.000 .999 .991 .999 1.000 1.000 1.000
1.000 .999 .999 1.000 .999 .999 .999 .999 1.000 1.000

Ptc = 14.830 Ptc/Pto = .995 K = .0414

Cp 310-320
.484 .971 .889 .676 .551 .323 .131 -.005 -.101 -.102 -.086

Cp 321-329
.893 .584 .257 .139 .050 -.068 -.037 ~~-.036~~ ~~-.039~~

Ps 301-309 12.957 12.350 ~~13.882~~ 12.792 13.124 13.279 13.292 13.276 13.285

Ps 201-206 13.290 13.283 13.175 13.214 13.066 13.073

Ps 207-212 12.707 12.707 12.738 12.750 12.732 12.679

Ps 213-224 11.920 11.321 11.259 11.697 12.593 12.811 12.910 12.922 12.920 13.207 13.474 13.567

Ps 225-236 14.073 12.734 11.852 11.869 12.238 12.830 12.948 12.978 12.989 13.097 13.351 13.469

Ps 237-245 14.886 14.14 13.454 ~~13.269~~ 12.724 13.044 13.324 13.384 13.543

Pcw = 13.183 L = .0151 Pcb = 12.719 Ptc/Pcw = 1.125 Wc = 1.63 T = 89. B = 29.86

Run 3-4 C1 I2 S2 B1 Eng 2 α=-20° β=0° m/m*=.620 0.662

Pt/Pto 131-144
1.006 1.000 1.000 1.666 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .989 .984

Cp 330-344
-.101 -.021 -.247 -.260 -.223 .693 .317 .015 -.198 -.237 -.227 -.152 -.745 -.212 -.684

Pt/Pto 101-130
.981 .989 .982 .963 .997 .994 1.000 1.000 1.000 .979
1.000 1.000 1.000 1.000 1.000 .996 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.842 Ptc/Pto = .996 K = .0375

Cp 310-320
-.132 .94 1.016 .845 .738 .516 .301 .147 .031 -.016 -.031

Cp 321-329
.779 .352 .048 -.098 -.185 -.299 -.114 -.114 -.114

Ps 301-309 13.197 12.362 13.861 12.959 13.250 13.293 13.297 13.267 13.283

Ps 201-206 13.283 13.273 13.169 13.209 13.057 13.063

Ps 207-212 12.697 12.695 12.729 12.740 12.720 12.667

Ps 213-224 10.739 10.702 10.823 11.551 12.469 12.734 12.859 12.886 12.892 13.203 13.470 13.562

Ps 225-236 14.221 12.960 12.041 12.010 12.311 12.885 12.979 13.005 13.006 13.090 13.34 13.469

Ps 237-245 14.883 14.134 13.425 12.974 12.675 13.011 13.306 13.380 13.535

Pcw = 13.176 L = .0152 Pcb = 12.708 Ptc/Pcw = 1.126 Wc = 1.64 T = 90. B = 29.86

Run 3-5 C1 I2 S2 B1 Eng 2 α=4° β=0° m/m*=.~~610~~ 0.662

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 .999 .996 .992 ~~.987~~ .984

Cp 330-344
~~-.010~~ -.351 -.615 -.493 -.313 .407 -.259 -.642 -.780 -.692 -.572 -.347 -.878 -.382 -.735

Pt/Pto 101-130
.987 .985 .968 .956 .998 .995 1.000 1.000 .979 .966
1.000 1.000 1.000 1.000 .994 .980 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.809 Ptc/Pto = .993 K = .041

Cp 310-320
.897 .937 .756 .460 .332 .124 -.017 -.124 -.193 -.135 -.079

Cp 321-329
.963 .897 .619 .434 .331 .175 ~~-.016~~ ~~-.018~~ ~~-.018~~

Ps 301-309 12.489 12.241 ~~13.092~~ 12.408 12.871 13.214 13.250 13.236 13.252

Ps 201-206 13.247 13.240 13.127 13.168 13.017 13.025

Ps 207-212 12.647 12.647 12.677 12.689 12.674 12.620

Ps 213-224 12.939 11.927 11.654 11.970 12.655 12.829 12.901 12.893 12.879 13.155 13.428 13.526

Ps 225-236 13.621 12.220 11.474 11.599 11.977 12.557 12.713 12.804 12.860 13.061 13.303 13.424

Ps 237-245 14.896 14.165 13.490 ~~10.910~~ 12.741 13.037 13.294 13.350 13.503

Pcv = 13.137 L = .0155 Pcb = 12.659 Ptc/Pcv = 1.127 Wc = 1.64 T = 90. B = 29.87

Run 3-6 C1 I2 S2 B1 Eng 2 α=10° β=0° m/m*=~~.620~~ 0.662

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .998 1.000 1.000 .999 .997 .993 .990 ~~.986~~ .984

Cp 330-344

~~-.646~~ -.414 -.666 -.512 -.316 .345 -.357 -.713 -.840 -.713 -.577 -.341 -.856 -.370 -.706

Pt/Pto 101-130

.988 .971 .969 .955 .937 .895 .899 .893 .879 .966
1.000 1.000 1.000 .999 .989 .988 1.000 1.000 1.000 1.000
.999 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.796 Ptc/Pto = .992 K = .048

Cp 310-320

.936 .862 .656 .378 .258 .071 -.048 -.139 -.190 -.115 -.058

Cp 321-329

.827 .923 .687 .520 .404 .237 ~~-.659~~ ~~-.051~~ ~~-.051~~

Ps 301-309 12.267 12.133 ~~13.866~~ 12.290 12.751 13.173 13.219 13.210 13.225

Ps 201-206 13.228 13.219 13.104 13.152 12.997 13.005

Ps 207-212 12.623 12.625 12.650 12.665 12.651 12.598

Ps 213-224 13.267 12.144 11.800 12.057 12.674 12.832 12.887 12.870 12.850 13.124 13.402 13.505

Ps 225-236 13.385 12.047 11.551 11.733 11.953 12.281 12.458 12.606 12.719 13.04 13.276 13.397

Ps 237-245 14.901 14.174 13.502 ~~12.874~~ 12.745 13.033 13.277 13.325 13.477

Pcw = 13.118 L = .0156 Pcb = 12.635 Ptc/Pcw = 1.128 Wc = 1.64 T = 91. B = 29.87

Run 3-7 C1 I2 S2 B1 Eng 2 α=20° β=0° m/m*=.610 0.664

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .999 .996 .999 .999 .997 .995 .992 .989 ~~.986~~ .983

Cp 330-344

~~-.093~~ -.508 -.716 -.525 -.338 .278 -.470 -.795 -.873 -.702 -.542 -.305 -.842 -.342 -.706

Pt/Pto 101-130

.987 .94 .964 .962 .998 .995 1.000 .964 .974 .975
1.000 1.000 1.000 .978 .981 .982 1.000 1.000 1.000 .990
.991 .993 1.000 .999 1.000 .999 .999 1.000 1.000 1.000

Ptc = 14.744 Ptc/Pto = .989 K = .0533

Cp 310-320

.962 .765 .554 .300 .192 .032 -.050 -.117 -.155 -.065 -.038

Cp 321-329

.435 .892 .716 .587 .473 .267 ~~-.102~~ ~~-.101~~ ~~-.101~~

Ps 301-309 12.067 11.711 ~~13.876~~ 11.924 12.588 13.075 13.124 13.105 13.142

Ps 201-206 13.165 13.141 13.059 13.089 12.922 12.932

Ps 207-212 12.535 12.541 12.575 12.586 12.568 12.510

Ps 213-224 13.583 12.359 11.928 12.099 12.603 12.791 12.823 12.788 12.754 13.016 13.308 13.421

Ps 225-236 12.893 11.801 11.903 11.84 12.043 12.079 12.118 12.203 12.317 12.906 13.174 13.312

Ps 237-245 14.901 14.172 13.495 ~~12.839~~ 12.719 12.989 13.212 13.250 13.406

Pcw = 13.051 L = .0165 Pcb = 12.552 Ptc/Pcw = 1.130 Wc = 1.64 T = 91. B = 29.86

Run 3-8 C1 I2 S2 B1 Eng 2 α=0° β=-4° m/m*=~~.680~~ 0.662

Pt/Pto 131-144

~~1.000~~ .999 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 1.000 .999 .996 ~~.986~~ .984

Cp 330-344

~~-.004~~ -.222 -.514 -.446 -.288 .436 -.184 -.542 -.711 -.644 -.54 -.393 -.984 -.355 -.699

Pt/Pto 101-130

.986 .969 .972 .959 .999 .996 1.000 .994 .981 .972
1.000 1.000 1.000 1.000 .991 .985 1.000 1.000 1.000 1.000
.999 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.804 Ptc/Pto = .993 K = .0412

Cp 310-320

.810 .924 .758 .494 .367 .159 .011 -.095 -.175 -.147 -.102

Cp 321-329

.863 .950 .701 .514 .406 .236 ~~-.018~~ ~~-.018~~ ~~-.019~~

Ps 301-309 12.435 12.201 ~~13.879~~ 12.383 12.823 13.208 13.24 13.234 13.24

Ps 201-206 13.246 13.237 13.132 13.173 13.018 13.026

Ps 207-212 12.653 12.653 12.681 12.695 12.680 12.627

Ps 213-224 12.759 11.824 11.589 11.922 12.639 12.814 12.886 12.881 12.867 13.14 13.419 13.521

Ps 225-236 13.401 12.051 11.517 11.714 11.986 12.334 12.511 12.650 12.754 13.062 13.295 13.415

Ps 237-245 14.884 14.423 13.813 ~~12.870~~ 12.938 13.14 13.326 13.364 13.508

Pcw = 13.138 L = .0154 Pcb = 12.665 Ptc/Pcw = 1.127 Wc = 1.63 T = 92. B = 29.86

Run 3-9 C1 I2 S2 B1 Eng 2 α=0° β=-10° m/m*=.610 0.661

Pt/Pto 131-144
~~.999~~ .999 .999 ~~1.000~~ .999 .998 1.000 1.000 1.000 1.000 .999 .995 ~~.984~~ .983

Cp 330-344
~~-.054~~ -.161 -.490 -.465 -.331 .380 -.222 -.563 -.725 -.566 -.563 -.635 -1.402 -.369 -.714

Pt/Pto 101-130
.983 .994 .970 .993 1.000 .998 1.000 .995 .997 .994
1.000 1.000 1.000 .979 .980 .985 1.000 1.000 1.000 .984
.988 .998 1.000 1.000 1.000 .998 .999 1.000 1.000 1.000

Ptc = 14.736 Pto/Pto = .989 K = .0600

Cp 310-320
.679 .797 .657 .408 .283 .078 -.040 -.142 -.223 -.217 -.181

Cp 321-329
.456 .981 .850 .698 .588 .389 -.076 ~~-.979~~ -.079

Ps 301-309 11.94 11.840 ~~13.87~~ 12.024 12.679 13.092 13.120 13.105 13.141

Ps 201-206 13.168 13.146 13.073 13.100 12.930 12.937

Ps 207-212 12.547 12.552 12.588 12.595 12.580 12.521

Ps 213-224 12.757 11.807 11.543 11.859 12.578 12.729 12.788 12.766 12.740 13.012 13.239 13.413

Ps 225-236 12.756 11.670 11.824 11.833 12.059 12.082 12.101 12.163 12.255 12.863 13.160 13.304

Ps 237-245 14.761 14.684 14.171 ~~14.971~~ 13.146 13.218 13.283 13.263 13.424

Pcw = 13.059 L = .0162 Pcb = 12.564 Ptc/Pcw = 1.128 Wc = 1.63 T = 93. B = 29.86

Run 3-10 C1 I2 S2 B1 Eng 2 α=0° β=4° m/m·=~~.610~~ 0.663

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 .999 .996 .993 ~~.987~~ .984

Cp 330-344
~~-.008~~ -.393 -.621 -.499 -.330 .440 -.180 -.540 -.714 -.648 -.552 -.352 -.862 -.391 -.765

Pt/Pto 101-130
.986 .990 .977 .959 .993 .991 1.000 1.000 .999 .968
1.000 1.000 1.000 1.000 1.000 .986 1.000 1.000 1.000 1.000
.999 .999 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.826 Ptc/Pto = .995 K = .0407

Cp 310-320
.809 .94n .761 .506 .374 .153 -.009 -.131 -.204 -.14 -.107

Cp 321-329
.967 .604 .311 .183 .101 -.0[illegible] ~~-.016~~ ~~-.013~~ -.011

Ps 301-309 12.920 12.[illegible] ~~13.662~~ 12.755 13.031 13.279 13.302 13.289 13.2[illegible]

Ps 201-208 13.302 13.[illegible]96 13.183 13.229 13.082 13.[illegible]02

Ps 207-212 12.725 12.7[illegible]7 12.755 12.787 12.750 12.697

Ps 213-224 12.719 11.801 11.607 11.959 12.702 12.881 12.963 12.[illegible]62 12.952 13.223 13.485 13.578

Ps 225-236 14.162 12.849 11.971 11.971 12.286 12.881 12.980 13.011 13.020 13.109 13.361 13.479

Ps 237-245 14.850 13.853 13.130 ~~10.816~~ 12.565 12.984 13.307 13.390 13.541

Pcw = 13.198 L = .0148 Pcb = 12.737 Ptc/Pcw = 1.123 Wc = 1.[illegible]2 T = 93. B = 29.85

Run 3-11 C1 I2 S2 B1 Eng [illegible] α=0° β=10° m/m*=.670 0.662

Pt/Pto 131-144
~~.999~~ .999 1.000 ~~.999~~ .999 .998 .999 1.000 .999 .999 .997 .993 ~~.985~~ .983

Cp 330-344
~~-.509~~ -.509 -.748 -.605 -.428 .392 -.205 -.369 -.739 -.[illegible] -.571 -.577 -1.142 -.464 -.860

Pt/Pto 101-130
.980 .993 .992 .987 .987 .989 1.000 1.000 1.000 .970
1.000 1.000 1.000 .999 1.000 .985 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.821 Ptc/Pto = .9[illegible]5 K = .0332

Cp 310-320
.713 .807 .739 .453 .313 .082 -.097 -.242 -.284 -.219 -.185

Cp 321-329
.743 .189 -.000 -.091 -.139 -.[illegible] ~~-.052~~ ~~-.059~~

Ps 301-309 13.155 12.303 ~~13.67~~ 12.875 13.152 13.281 13.314 13.292 13.298

Ps 201-206 13.302 13.296 13.189 13.231 13.084 13.032

Ps 207-212 12.725 12.720 12.756 12.759 12.752 12.[illegible]

Ps 213-224 12.552 11.677 11.522 11.887 12.887 12.[illegible] 12.955 12.955 12.947 13.224 13.486 13.577

Ps 225-236 14.541 13.412 12.474 12.360 12.630 13.041 13.091 13.099 13.084 13.120 13.365 13.483

Ps 237-245 14.638 13.288 12.491 ~~12.651~~ 12.184 12.840 13.236 13.357 13.543

Pcw = 13.199 L = .014 Pcb = 12.738 Ptc/Pcw = 1.124 Wc = 1.62 T = 94. B = 29.85

Run 3-12 C1 I2 S2 B1 Eng 2 α=4° β=10° m/m·=.~~520~~ 0.661

Pt/Pto 131-144

~~.994~~ 1.000 1.000 ~~.997~~ .999 .997 .999 1.000 .999 .999 .996 .992 ~~.984~~ .983

Cp 330-344

~~-.078~~ -.587 -.756 -.573 -.383 .34 -.284 -.044 -.737 -.708 -.596 -.575 -1.130 -.452 -.823

Pt/Pto 101-130

.967 .992 .990 .995 .988 .983 1.000 1.000 1.000 .965
1.000 1.000 1.000 1.000 1.000 .980 1.000 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.826 Ptc/Pto = .995 K = .0349

Cp 310-320

.822 .883 .699 .405 .277 .051 -.108 -.219 -.270 -.184 -.138

Cp 321-329

.861 .369 .127 .030 -.028 -.058 ~~-.060~~ ~~-.072~~ ~~-.075~~

Ps 301-309 13.062 12.419 ~~13.074~~ 12.842 13.114 13.276 13.309 13.292 13.301

Ps 201-206 13.303 13.298 13.191 13.233 13.086 13.096

Ps 207-212 12.769 12.769 12.759 12.770 12.754 12.701

Ps 213-224 12.84 11.870 11.664 12.003 12.734 12.893 12.968 12.967 12.956 13.222 13.486 13.579

Ps 225-236 14.452 13.280 12.361 12.274 12.54 13.009 13.072 13.081 13.071 13.122 13.368 13.487

Ps 237-245 14.657 13.324 12.540 ~~12.515~~ 12.226 12.862 13.250 13.365 13.530

Pcw = 13.201 L = .0146 Pcb = 12.740 Ptc/Pcw = 1.123 Wc = 1.61 T = 94. B = 29.85

Run 3-13 C1 I2 S2 B1 Eng 2 α=4° β=4° m/m*=.610 0.661

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 .999 .995 .991 .986 .984

Cp 330-344
-.017 -.430 -.559 -.511 -.323 .397 -.263 -.626 -.784 -.691 -.574 -.365 -.877 -.397 -.757

Pt/Pto 101-130
.987 .990 .974 .958 .993 .992 1.000 1.000 .997 .966
.999 1.000 1.000 .999 1.000 .981 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.814 Ptc/Pto = .994 K = .0414

Cp 310-320
.869 .924 .730 .456 .318 .116 -.034 -.144 -.206 -.138 -.084

Cp 321-329
.994 .717 .431 .283 .195 .070 -.022 -.020 -.020

Ps 301-309 12.709 12.32[illegible] 13.875 12.639 12.989 13.24 13.270 13.258 13.263

Ps 201-206 13.270 13.263 13.152 13.190 13.04 13.056

Ps 207-212 12.685 12.685 12.715 12.727 12.711 12.655

Ps 213-224 12.937 11.926 11.676 12.001 12.697 12.866 12.937 12.931 12.919 13.187 13.456 13.550

Ps 225-236 14.006 12.646 11.789 11.820 12.178 12.796 12.909 12.943 12.960 13.077 13.336 13.454

Ps 237-245 14.851 13.858 13.133 13.487 12.554 12.961 13.282 13.362 13.517

Pcw = 13.163 L = .0151 Pcb = 12.696 Ptc/Pcw = 1.125 Wc = 1.62 T = 94. B = 29.85

Run 3-14 C1 I2 S2 B1 Eng 2 α=4° β=-4° m/m*=.610 0.662

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .998 .999 1.000 1.000 1.000 .998 .994 ~~.986~~ .984

Cp 330-344

~~-.019~~ -.293 -.585 -.493 -.319 .388 -.273 -.632 -.785 -.690 -.572 -.405 -.986 -.369 -.705

Pt/Pto 101-130

.986 .962 .972 .960 .999 .996 1.000 .985 .981 .972
1.000 1.000 1.000 .997 .989 .985 1.000 1.000 1.000 1.000
.998 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.785 Ptc/Pto = .993 K = .04h0

Cp 310-320

.865 .900 .720 .416 .296 .097 -.034 -.141 -.203 -.157 -.110

Cp 321-329

.790 .953 .773 .557 .450 .266 ~~-.032~~ ~~-.032~~ ~~-.032~~

Ps 301-309 12.289 12.136 ~~13.874~~ 12.268 12 720 13.169 13.220 13.214 13.225

Ps 201-206 13.233 13.219 13.120 13.153 13.005 13.012

Ps 207-212 12.635 12.635 12.668 12.679 12.663 12.608

Ps 213-224 13.017 11.991 1..702 11.999 12.661 12.818 12.881 12.867 12.84 13.125 13.400 13.502

Ps 225-236 13.254 11.959 11.672 11.796 11.979 12.188 12.34 12.505 12.635 13.04 13.272 13.392

Ps 237-245 14.884 14.415 13.810 ~~12.528~~ 12.940 13.137 13.308 13.340 13.491

Pcw = 13.124 L = .0154 Pcb = 12.648 Ptc/Pcw = 1.127 Wc = 1.62 T = 95. B = 29.84

101

Run 3-15 C1 I2 S2 B1 Eng 2 α=4° β=-10° m/m*=.620 0.660

Pt/Pto 131-144

~~.999~~ .999 .999 ~~1.000~~ .999 .997 1.000 1.000 1.000 1.000 .998 .995 ~~.984~~ .983

Cp 330-344

~~-.052~~ -.251 -.583 -.536 -.308 .331 -.308 -.647 -.794 -.707 -.593 -.634 -1.392 -.397 -.739

Pt/Pto 101-130

.982 .935 .966 .966 1.000 .997 .999 .94 .973 .974
1.000 1.000 1.000 .962 .975 .980 1.000 1.000 1.000 .976
.983 .995 1.000 1.000 1.000 .994 .997 .999 1.000 1.000

Ptc = 14.694 Ptc/Pto = .987 K = .0662

Cp 310-320

.708 .752 .576 .329 .202 .019 -.098 -.192 -.269 -.233 -.205

Cp 321-329

.255 .950 .823 .704 .597 .392 -.079 -.075 -.073

Ps 301-309 11.757 11.719 ~~13.871~~ 11.860 12.606 13.041 13.053 13.04 13.087

Ps 201-206 13.129 13.107 13.04 13.058 12.891 12.895

Ps 207-212 12.500 12.504 12.549 12.551 12.535 12.474

Ps 213-224 12.991 11.953 11.634 11.908 12.574 12.711 12.760 12.728 12.694 12.94 13.241 13.360

Ps 225-236 12.579 11.587 11.778 11.858 12.04 12.04 12.051 12.082 12.157 12.756 13.090 13.256

Ps 237-245 14.764 14.667 14.151 ~~12.690~~ 13.121 13.182 13.24 13.24h 13.378

Pcw = 13.020 L = .0162 Pcb = 12.519 Ptc/Pcw = 1.129 Wc = 1.62 T = 96. B = 29.84

Run 3-16 C1 I2 S2 B1 Eng 2 α=-4° β=-10° m/m*=~~.610~~ 0.661

Pt/Pto 131-144

~~.999~~ .999 .999 ~~1.000~~ .999 .998 1.000 1.000 1.000 1.000 .999 .996 ~~.984~~ .983

Cp 330-344

~~-.065~~ -.063 -.398 -.398 -.291 .419 -.140 -.476 -.652 -.610 -.527 -.628 -1.411 -.344 -.708

Pt/Pto 101-130

.984 .947 .973 .962 1.000 .998 1.001 .965 .981 .977
1.001 1.001 1.001 .980 .985 .990 1.000 1.001 1.001 .992
.994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.761 Ptc/Pto = .991 K = .0539

Cp 310-320

.656 .916 .753 .487 .365 .164 .020 -.086 -.175 -.178 -.150

Cp 321-329

.612 1.039 .872 .667 .559 .370 ~~-.091~~ ~~-.091~~ ~~-.090~~

Ps 301-309 12.114 11.943 ~~13.876~~ 12.166 12.737 13.130 13.164 13.148 13.174

Ps 201-206 13.182 13.159 13.076 13.106 12.947 12.952

Ps 207-212 12.568 12.571 12.603 12.617 12.599 12.542

Ps 213-224 12.452 11.627 11.420 11.778 12.556 12.722 12.795 12.783 12.764 13.04 13.328 13.436

Ps 225-236 12.886 11.732 11.821 11.796 12.04 12.098 12.14 12.24$_2$ 12.353 12.931 13.196 13.330

Ps 237-245 14.740 14.674 14.165 ~~12.854~~ 13.144 13.223 13.297 13.307 13.444

Pcw = 13.070 L = .0159 Pcb = 12.583 Ptc/Pcw = 1.129 Wc = 1.63 T = 97. B = 29.84

Run 3-17 C1 I2 S2 B1 Eng 2 α=-4° β=-4° m/m*=~~.620~~ 0.661

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 ~~.987~~ .984

Cp 330-344

~~-.026~~ -.151 -.447 -.402 -.261 .480 -.098 -.450 -.636 -.592 -.503 -.378 -.977 -.333 -.698

Pt/Pto 101-130

.985 .978 .970 .960 .999 .995 1.000 .999 .979 .973
1.000 1.000 1.000 1.000 .992 .987 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.802 Ptc/Pto = .994 K = .0407

Cp 310-320

.735 .968 .827 .565 .430 .223 .062 -.056 -.14h -.126 -.090

Cp 321-329

.919 .893 .638 .455 .349 .188 ~~-.032~~ ~~-.032~~ ~~-.031~~

Ps 301-309 12.561 12.24 ~~13.077~~ 12.500 12.903 13.236 13.262 13.249 13.261

Ps 201-206 13.254 13.24 13.139 13.176 13.031 13.039

Ps 207-212 12.670 12.670 12.701 12.710 12.695 12.645

Ps 213-224 12.481 11.664 11.484 11.856 12.623 12.811 12.894 12.893 12.884 13.165 13.433 13.529

Ps 225-236 13.525 12.153 11.465 11.633 11.999 12.510 12.665 12.770 12.839 13.071 13.301 13.427

Ps 237-245 14.871 14.415 13.805 ~~12.914~~ 12.938 13.14 13.336 13.376 13.517

Pcw = 13.14 L = .0151 Pcb = 12.682 Ptc/Pcw = 1.126 Wc = 1.62 T = 97. B = 29.84

Run 3-18 C1 I2 S2 B1 Eng 2 α=-4° β=4° m/m*=.610 0.662

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .994 ~~.987~~ .984

Cp 330-344
~~-.019~~ -.355 -.589 -.492 -.343 .486 -.090 -.450 -.637 -.592 -.508 -.338 -.859 -.385 -.783

Pt/Pto 101-130
.985 .990 .979 .961 .992 .991 1.000 1.000 .999 .971
1.000 1.000 1.000 1.000 .999 .989 1.000 1.000 1.000 .999
1.000 .999 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000

Ptc = 14.817 Ptc/Pto = .995 K = .0395

Cp 310-320
.697 .949 .790 .570 .439 .208 .023 -.108 -.188 -.151 -.121

Cp 321-329
.892 .503 .203 .090 .013 -.089 ~~-.021~~ ~~-.022~~ ~~-.033~~

Ps 301-309 13.024 12.389 ~~13.876~~ 12.837 13.147 13.280 13.302 13.284 13.295

Ps 201-206 13.293 13.285 13.179 13.216 13. 74 13.082

Ps 207-212 12.718 12.718 12.74 12.762 12.743 12.691

Ps 213-224 12.394 11.598 11.456 11.84 12.653 12.851 12.938 12.945 12.938 13.214 13.477 13.568

Ps 225-236 14.24 12.978 12.080 12.050 12.332 12.911 13.000 13.024 13.024 13.104 13.353 13.475

Ps 237-245 14.832 13.836 13.106 ~~12.831~~ 12.536 12.964 13.295 13.381 13.535

Pcw = 13.188 L = .0148 Pcb = 12.730 Ptc/Pcw = 1.124 Wc = 1.61 T = 98. B = 29.84

Run 3-19 C1 I2 S2 B1 Eng 2 α=-4° β=10° m/m*=~~.610~~ 0.662

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .999 .998 1.000 1.000 .999 .999 .998 .994 ~~.985~~ .983

Cp 330-344

~~-.076~~ -.561 -.734 -.602 -.460 .441 -.113 -.467 -.653 -.611 -.539 -.557 -1.132 -.462 -.878

Pt/Pto 101-130

.985 .993 .994 .967 .987 .989 1.000 1.000 1.000 .974
1.000 1.000 1.000 1.000 .999 .991 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.826 Ptc/Pto = .996 K = .0329

Cp 310-320

.593 .905 .778 .495 .364 .124 -.073 -.209 -.282 -.238 -.215

Cp 321-329

.633 .048 -.136 -.210 -.263 -.296 ~~-.069~~ -.070 ~~-.068~~

Ps 301-309 13.264 12.315 ~~13.875~~ 12.931 13.208 13.279 13.309 13.279 13.287

Ps 201-206 13.289 13.280 13.171 13.214 13.069 13.077

Ps 207-212 12.713 12.712 12.742 12.755 12.738 12.686

Ps 213-224 12.203 11.457 11.362 11.754 12.627 12.827 12.922 12.929 12.926 13.209 13.473 13.563

Ps 225-236 14.588 13.518 12.566 12.426 12.695 13.061 13.107 13.103 13.084 13.108 13.354 13.471

Ps 237-245 14.618 13.249 12.442 ~~12.610~~ 12.140 12.811 13.220 13.34 13.509

Pcw = 13.183 L = .0148 Pcb = 12.724 Ptc/Pcw = 1.125 Wc = 1.61 T = 99. B = 29.83

Run 3-20 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.610 0.662

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .994 ~~.988~~ .985

Cp 330-344

~~-.000~~ -.293 -.560 -.463 -.299 .451 -.176 -.535 -.709 -.640 -.538 -.327 -.851 -.365 -.722

Pt/Pto 101-130

.986 .987 .966 .957 .997 .994 1.000 1.000 .983 .969
1.000 1.000 1.000 1.000 .997 .984 1.000 1.000 1.000 1.000
.999 .997 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.735 Ptc/Pto = .994 K = .040

Cp 310-320

.821 .94 .751 .514 .387 .173 .013 -.099 -.176 -.132 -.086

Cp 321-329

.961 .803 .509 .348 .259 .114 -.004 ~~-.007~~ -.006

Ps 301-309 12.660 12.325 ~~13.869~~ 12.597 12.962 13.253 13.276 13.261 13.274

Ps 201-206 13.280 13.272 13.161 13.200 13.058 13.062

Ps 207-212 12.701 12.699 12.730 12.743 12.724 12.673

Ps 213-224 12.748 11.829 11.615 11.962 12.679 12.860 12.931 12.927 12.916 13.193 13.456 13.552

Ps 225-236 13.801 12.427 11.626 11.699 12.081 12.723 12.855 12.915 12.944 13.094 13.34h 13.460

Ps 237-245 14.883 14.176 13.511 ~~12.573~~ 12.777 13.069 13.323 13.386 13.530

Pcw = 13.172 L = .0150 Pcb = 12.712 Ptc/Pcw = 1.123 Wc = 1.60 T = 99. B = 29.83

Run 3-21 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.~~635~~ 0.660, 0.655

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .994 .98[illegible] .985

Cp 330-344
~~-.161~~ -.287 -.562 -.460 -.299 .449 -.172 -.533 -.708 -.639 -.537 -.332 ~~-.305~~ -.362 -.738

Pt/Pto 101-130
.987 .989 .966 .957 .996 .993 1.000 1.000 .983 .968
1.000 1.000 1.000 1.000 .997 .983 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.859 Ptc/Pto = .994 K = .044

Cp 310-320
.815 ~~-123~~ .744 .523 .392 .174 .015 -.100 -.176 -.131 -.088

Cp 321-329
.973 .815 .524 .363 .264 .118 ~~-.033~~ ~~-.032~~ ~~-.031~~

Ps 301-309 12.682 12.339 12.312 12.607 ~~14.545~~ 13.285 13.307 13.284 13.292

Ps 201-206 13.340 13.362 13.262 13.172 12.981 13.029
4

Ps 207-212 12.709 12.709 12.738 12.747 12.724 12.674

Ps 213-224 12.736 11.803 11.585 11.940 12.685 12.868 12.950 12.94 12.936 13.215 13.486 13.585

Ps 225-236 13.824 12.403 11.579 11.669 12.125 12.709 12.856 12.925 12.956 13.114 13.366 13.481

Ps 237-245 14.933 14.177 13.487 ~~10.777~~ 12.764 13.073 13.34 13.408 13.561

Pcw = 13.191 L = .0256 Pcb = 12.717 Ptc/Pcw = 1.126 Wc = 1.67 T = 72. B = 29.96

Run 4-1 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.730

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .998 .994 ~~.987~~ .984

Cp 330-344
~~-.012~~ -.305 -.572 -.430 -.345 .440 -.185 -.556 -.736 -.672 -.578 -.411 -1.099 -.450 -.94

Pt/Pto 101-130
.983 .982 .956 .943 .997 .993 1.000 1.000 .970 .956
1.000 1.000 1.000 1.000 .991 .972 1.000 1.000 1.000 1.000
1.000 .994 .998 .999 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.820 Ptc/Pto = .991 K = .0576

Cp 310-320
-.490 .468 .595 .614 .469 .232 .04 -.083 -.165 -.132 -.090

Cp 321-329
.613 .599 .534 .444 .328 .163 ~~-.024~~ ~~-.023~~ ~~-.005~~

Ps 301-309 11.998 11.565 ~~13.731~~ 11.917 12.473 12.911 13.013 13.133 13.813

Ps 201-206 12.795 12.782 12.633 12.668 12.465 12.492

Ps 207-212 11.987 11.988 12.029 12.037 12.011 11.941

Ps 213-224 11.648 10.675 10.408 10.908 11.940 12.195 12.302 12.306 12.287 12.671 13.034 13.164

Ps 225-236 13.251 11.537 10.480 10.621 11.220 11.899 12.098 12.220 12.293 12.554 12.872 13.040

Ps 237-245 14.933 13.944 13.045 ~~12.713~~ 12.066 12.483 12.826 12.911 13.123

Pcw = 12.639 L = .0223 Pcb = 11.999 Ptc/Pcw = 1.173 Wc = 1.86 T = 72. B = 29.96

90

Run 4-2 C1 I2 S2 B Eng 2 α=-4° β=0° m/m*=~~.677~~ 0.736, 0.726

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .999 .995 ~~.987~~ .984

Cp 330-344
~~-.012~~ -.250 -.515 -.455 -.328 .489 -.095 -.457 -.652 -.610 -.534 -.386 -1.080 -.428 -.948

Pt/Pto 101-130
.982 .985 .953 .94 .997 .993 1.000 1.000 .973 .958
1.000 1.000 1.000 1.000 .995 .976 1.000 1.000 1.000 1.000
.999 .996 .999 .999 .999 1.000 1.000 1.000 .999 .995

Ptc = 14.826 Ptc/Pto = .991 K = .0574

Cp 310-320
.367 1.001 .896 .674 .535 .287 .090 -.047 -.138 -.124 -.087

Cp 321-329
.892 .861 .541 .373 .266 .105 ~~-.025~~ ~~-.026~~ ~~-.026~~

Ps 301-309 12.303 11.742 ~~13.754~~ 11.974 12.378 12.769 12.800 12.774 12.796

Ps 201-206 12.735 12.783 12.630 12.565 12.463 12.490

Ps 207-212 11.985 11.988 12.027 12.035 12.007 11.940

Ps 213-224 11.291 10.457 10.254 10.796 11.905 12.177 12.296 12.298 12.286 12.676 13.037 13.166

Ps 225-236 13.376 11.542 10.520 10.628 11.296 11.996 12.188 12.285 12.333 12.546 12.881 13.047

Ps 237-245 14.929 13.924 13.018 ~~12.557~~ 12.040 12.469 12.824 12.912 13.125

Pcw = 12.637 L = .0223 Pcb = 11.937 Ptc/Pcw = 1.173 Wc = 1.86 T = 74. B = 29.96

Run 4-3 C1 I2 S2 B1 Eng 2 α=-10° β=0° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .999 .997 ~~.987~~ .984

Cp 330-344

~~-.045~~ -.168 -.423 -.399 -.307 .556 .04 -.303 -.509 -.505 -.449 -.340 -1.034 -.387 -.913

Pt/Pto 101-130

.981 .986 .962 .948 .997 .993 1.000 1.000 .990 .965
1.000 1.000 1.000 1.000 .999 .985 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.854 Ptc/Pto = .993 K = .0521

Cp 310-320

.123 .985 .941 .749 .619 .370 .161 .011 -.090 -.098 -.083

Cp 321-329

.885 .718 .385 .225 .119 -.025 ~~-.058~~ -.057 -.056

Ps 301-309 12.438 11.805 ~~13.652~~ 12.196 12.606 12.902 12.916 12.890 12.908

Ps 201-206 12.912 12.902 12.750 12.790 12.538 12.621

Ps 207-212 12.14 12.149 12.187 12.196 12.171 12.106

Ps 213-224 10.883 10.320 10.253 10.836 12.005 12.290 12.417 12.431 12.425 12.801 13.141 13.263

Ps 225-236 13.661 12.012 10.898 10.960 11.612 12.250 12.412 12.480 12.505 12.663 12.988 13.14

Ps 237-245 14.928 14.012 13.144 ~~12.455~~ 12.189 12.536 12.938 13.027 13.225

Pcw = 12.762 L = .0211 Pcb = 12.160 Ptc/Pcw = 1.164 Wc = 1.82 T = 77. B = 29.96

Run 4-4 C1 I2 S2 B1 Eng 2 α=-20° β=0° m/m*=~~Σi=184~~ 0.730

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 ~~.987~~ .983

Cp 330-344
~~-.119~~ -.030 -.246 -.277 -.24 .693 .310 .003 -.213 -.259 -.247 -.217 -.935 -.277 -.858

Pt/Pto 101-130
.979 .986 .972 .951 .997 .994 1.000 1.000 .999 .970
1.000 1.000 1.000 1.000 1.000 .992 1.000 1.000 1.000 1.000
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.871 Ptc/Pto = .995 K = .0493

Cp 310-320
-.631 .872 .985 .886 .778 .554 .323 .161 .040 -.014 -.031

Cp 321-329
.784 .491 .14 -.021 -.127 -.263 ~~-.133~~ -.134 -.136

Ps 301-309 12.682 11.738 ~~13.897~~ 12.380 12.787 12.917 12.948 12.897 12.913

Ps 201-206 12.919 12.907 12.754 12.737 12.605 12.627

Ps 207-212 12.156 12.158 12.196 12.204 12.178 12.114

Ps 213-224 9.597 9.671 9.801 10.807 11.896 12.231 12.384 12.416 12.420 12.809 13.151 13.268

Ps 225-236 13.863 12.297 11.150 11.153 11.715 12.346 12.486 12.535 12.545 12.670 12.995 13.156

Ps 237-245 14.920 13.984 13.026 ~~12.385~~ 12.143 12.575 12.934 13.026 13.229

Pcw = 12.770 L = .0211 Pcb = 12.168 Ptc/Pcw = 1.165 Wc = 1.83 T = 77. B = 29.96

Run 4-5 C1 I2 S2 B1 Eng 2 α=4° β=0° m/m'=.~~677~~ 0.731

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 .999 .999 .996 .992 ~~.986~~ .984

Cp 330-344

~~-.018~~ -.357 -.621 -.511 -.350 .390 -.271 -.635 -.798 -.711 -.598 -.413 -1.069 -.443 -.907

Pt/Pto 101-130

.984 .974 .961 .94 .997 .994 1.000 .998 .973 .957
1.000 1.000 1.000 1.000 .990 .971 1.000 1.000 1.000 1.000
.999 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.820 Pts/Pto = .991 K = .0552

Cp 310-320

.668 .969 .816 .542 .403 .175 .008 -.106 -.180 -.131 -.078

Cp 321-329

.816 .94 .681 .501 .388 .213 ~~-.027~~ ~~-.027~~ ~~-.029~~

Ps 301-309 11.971 11.653 ~~13.902~~ 11.776 12.319 12.812 12.866 12.847 12.868

Ps 201-206 12.879 12.858 12.718 12.754 12.558 12.584

Ps 207-212 12.098 12.100 12.138 12.14 12.123 12.059

Ps 213-224 12.14 11.054 10.737 11.171 12.085 12.315 12.410 12.400 12.383 12.747 13.097 13.224

Ps 225-236 13.180 11.533 10.653 10.850 11.326 11.883 12.076 12.215 12.320 12.636 12.937 13.099

Ps 237-245 14.939 14.019 13.167 ~~12.354~~ 12.212 12.592 12.909 12.984 13.187

Pcv = 12.725 L = .0217 Pcb = 12.111 Ptc/Pcv = 1.165 Wc = 1.82 T = 78. B = 29.96

Run 4-6 C1 I2 S2 B1 Eng 2 α=10° β=0° m/m*=~~.677~~ 0.733

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .998 .999 1.000 .999 .997 .993 .990 ~~.986~~ .984

Cp 330-344

~~-.052~~ -.430 -.679 -.541 -.362 .335 -.370 -.729 -.866 -.753 -.617 -.413 -1.063 -.442 -.899

Pt/Pto 101-130

.985 .957 .961 .94 .997 .994 1.000 .985 .974 .960
1.000 1.000 1.000 .998 .987 .975 1.000 1.000 1.000 1.000
.998 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.806 Ptc/Pto = .990 K = .0532

Cp 310-320

.799 .952 .764 .471 .337 .120 -.019 -.122 -.184 -.116 -.062

Cp 321-329

.646 .978 .755 .576 .462 .271 ~~-.062~~ ~~-.062~~ ~~-.062~~

Ps 301-309 11.723 11.513 ~~13.909~~ 11.564 12.147 12.746 12.811 12.802 12.826

Ps 201-206 12.838 12.810 12.677 12.713 12.511 12.539

Ps 207-212 12.04 12.04 12.087 12.094 12.071 12.004

Ps 213-224 12.473 11.260 10.866 11.227 12.071 12.290 12.369 12.349 12.323 12.688 13.04 13.180

Ps 225-236 12.884 11.325 10.821 11.002 11.283 11.571 11.758 11.94 12.108 12.594 12.890 13.050

Ps 237-245 14.935 14.001 13.150 ~~12.314~~ 12.188 12.561 12.869 12.937 13.14

Pcw = 12.681 L = .0221 Pcb = 12.058 Ptc/Pcw = 1.168 Wc = 1.83 T = 81. B = 29.95

Run 4-7 C1 I2 S2 B1 Eng 2 α=20° β=0° m/m·=~~.677~~ 0.732

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ .999 .997 .999 .999 .997 .995 .992 .989 ~~.985~~ .983

Cp 330-344

~~-.097~~ -.516 -.729 -.549 -.378 .274 -.476 -.808 -.891 -.726 -.572 -.374 -1.035 -.404 -.894

Pt/Pto 101-130

.985 .930 .955 .967 .998 .995 1.000 .94 .966 .975
1.000 1.000 1.000 .967 .974 .976 1.000 1.000 1.000 .983
.986 .991 1.000 1.000 1.000 .999 .999 1.000 1.000 1.000

Ptc = 14.747 Ptc/Pto = .987 K = .0715

Cp 310-320

.887 .887 .691 .395 .272 .086 -.022 -.098 -.14 -.063 -.034

Cp 321-329

.127 .887 .795 .638 .520 .304 ~~-.109~~ ~~-.109~~ ~~-.107~~

Ps 301-309 11.383 10.887 ~~13.901~~ 11.127 12.085 12.626 12.687 12.660 12.707

Ps 201-206 12.74 12.702 12.609 12.628 12.409 12.435

Ps 207-212 11.921 11.927 11.980 11.981 11.953 11.881

Ps 213-224 12.865 11.520 11.025 11.278 12.023 12.230 12.281 12.233 12.189 12.533 12.907 13.057

Ps 225-236 12.330 11.053 11.197 11.137 11.414 11.444 11.469 11.547 11.656 12.359 12.725 12.924

Ps 237-245 14.934 13.791 13.136 ~~10.677~~ 12.141 12.501 12.776 12.824 13.032

Pcw = 12.588 L = .0230 Pcb = 11.940 Ptc/Pcw = 1.171 Wc = 1.83 T = 83. B = 29.95

Run 4-8 C1 I2 S2 B1 Eng 2 α=0° β=-4° m/m*= ~~.677~~ 0.732

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 1.000 1.000 .999 .995 ~~.986~~ .984

Cp 330-344

~~-.015~~ -.231 -.528 -.471 -.338 .421 -.198 -.561 -.736 -.673 -.577 -.468 -1.189 -.429 -.896

Pt/Pto 101-130

.982 .955 .965 .953 .998 .995 1.000 .985 .977 .966
1.000 1.000 1.000 .998 .988 .980 1.000 1.000 1.000 1.000
.998 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.818 Ptc/Pto = .991 K = .046

Cp 310-320

.572 .930 .812 .568 .432 .203 .034 -.084 -.167 -.14 -.103

Cp 321-329

.677 .960 .725 .572 .459 .271 ~~-.031~~ ~~-.031~~ ~~-.033~~

Ps 301-309 11.301 11.610 ~~13.965~~ 11.675 12.213 12.785 12.840 12.829 12.850

Ps 201-206 12.858 12.831 12.701 12.739 12.537 12.563

4

Ps 207-212 12.076 12.077 12.118 12.125 12.102 12.037

Ps 213-224 11.877 10.896 10.625 11.078 12.041 12.275 12.372 12.364 12.34 12.717 13.068 13.198

Ps 225-236 12.899 11.315 10.762 10.964 11.310 11.631 11.822 12.008 12.155 12.616 12.911 13.070

Ps 237-245 14.929 14.284 13.500 ~~12.325~~ 12.405 12.685 12.926 12.977 13.174

Pcw = 12.705 L = .0216 Pcb = 12.089 Ptc/Pcw = 1.166 •Wc = 1.82 T = 84. B = 29.95

Run 4-9 C1 I2 S2 B1 Eng 2 α=0° β=-10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144

~~.999~~ .999 1.000 ~~1.000~~ .999 .998 1.000 1.000 1.000 1.000 .999 .996 ~~.984~~ .983

Cp 330-344

~~-.655~~ -.166 -.502 -.495 -.360 .366 -.238 -.586 -.761 -.694 -.601 -.713 -1.510 -.449 -.926

Pt/Pto 101-130

.980 .922 .960 .958 1.000 .998 1.000 .940 .968 .968
1.000 1.000 1.000 .958 .972 .979 1.000 1.000 1.000 .975
.985 .997 1.000 1.000 1.000 .996 .998 1.000 1.000 .999

Ptc = 14.726 Ptc/Pto = .985 K = .0797

Cp 310-320

.411 .858 .713 .481 .345 .129 -.020 -.130 -.215 -.217 -.182

Cp 321-329

.140 .976 .906 .745 .634 .422 ~~-.681~~ ~~-.685~~ ~~-.682~~

Ps 301-309 11.256 11.008 ~~13.957~~ 11.130 12.061 12.021 12.641 12.616 12.665

Ps 201-206 12.714 12.670 12.580 12.597 12.373 12.398

Ps 207-212 11.877 11.884 11.946 11.936 11.912 11.836

Ps 213-224 11.795 10.802 10.495 10.921 11.905 12.118 12.197 12.165 12.129 12.486 12.862 13.013

Ps 225-236 12.139 10.840 11.024 11.068 11.356 11.381 11.396 11.454 11.545 12.268 12.671 12.884

Ps 237-245 14.84 14.572 13.877 ~~12.471~~ 12.575 12.710 12.816 12.827 13.020

Pcw = 12.555 L = .0232 Pcb = 11.898 Ptc/Pcw = 1.173 Wc = 1.83 T = 84. B = 29.95

Run 4-10 C1 I2 S2 B1 Eng 2 α=0° β=4° m/m*=.677 0.725

Pt/pto 131-144
~~1.000~~ .999 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 .999 .997 .993 ~~.986~~ .984

Cp 330-344
~~-.629~~ -.408 -.637 -.526 -.373 .432 -.192 -.561 -.743 -.681 -.582 -.432 -1.085 -.466 -.963

Pt/Pto 101-130
.983 .987 .965 .94 .992 .992 1.000 1.000 .993 .957
1.000 1.000 1.000 1.000 .999 .977 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Ptc = 14.833 Ptc/Pto = .993 K = .0529

Cp 310-320
.548 .950 .831 .601 .458 .212 .013 -.112 -.197 -.14 -.105

Cp 321-329
.923 .725 .446 .275 .177 .039 ~~-.068~~ ~~-.028~~ ~~-.027~~

Ps 301-309 12.321 11.735 ~~13.905~~ 12.081 12.528 12.868 12.898 12.880 12.894

Ps 201-206 12.908 12.898 12.74 12.787 12.594 12.620
4

Ps 207-212 12.138 12.14 12.179 12.185 12.157 12.102

Ps 213-224 11.769 10.835 10.611 11.100 12.094 12.341 12.446 12.448 12.435 12.793 13.133 13.255

Ps 225-236 13.745 12.117 11.008 11.038 11.570 12.286 12.434 12.491 12.504 12.658 12.983 13.14h

Ps 237-245 14.881 13.670 12.759 ~~12.288~~ 11.981 12.506 12.899 13.004 13.209

Pcw = 12.759 L = .0212 Pcb = 12.152 Ptc/Pcw = 1.163 Wc = 1.80 T = 88. B = 29.94

Run 4-11 C1 I2S2 B1 Eng 2 α=0° β=10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.993~~ .999 .999 ~~.995~~ .999 .998 .999 1.000 .999 .999 .996 .993 ~~.983~~ .983

Cp 330-344

~~-.079~~ -.584 -.757 -.610 -.451 .387 -.212 -.574 -.752 -.690 -.596 -.637 -1.304 -.522 -1.012

Pt/Pto 101-130

.983 .990 .984 .960 .983 .989 1.000 .999 .999 .957
.999 1.000 .999 .999 .999 .971 .999 .999 .999 .999
.999 .997 .999 .999 .999 .999 .999 .999 .999 .999

Ptc = 14.840 Ptc/Pto = .993 K = .0429

Cp 310-320

.420 .909 .795 .540 .392 .138 -.064 -.200 -.271 -.213 -.179

Cp 321-329

.870 .433 .135 .007 -.063 -.148 ~~-.075~~ -.073 -.073

Ps 301-309 12.618 11.753 ~~13.901~~ 12.177 12.574 12.862 12.903 12.881 12.890

Ps 201-206 12.305 12.896 12.750 12.788 12.594 12.618

Ps 207-212 12.138 12.139 12.175 12.185 12.163 12.100

Ps 213-224 11.631 10.727 10.546 11.038 12.085 12.330 12.439 12.443 12.429 12.791 13.133 13.254

Ps 225-236 14.258 12.730 11.613 11.507 11.850 12.486 12.578 12.595 12.583 12.659 12.982 13.14h

Ps 237-245 14.673 13.04 12.034 ~~12.043~~ 11.527 12.331 12.817 12.966 13.186

Pcw = 12.758 L = .0210 Pcb = 12.150 Ptc/Pcw = 1.163 Wc = 1.80 T = 88. B = 29.93

Run 4-12 C1 I2 S2 B1 Eng 2 α=4° β=10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .999 .997 .999 1.000 .999 .999 .995 .992 ~~.983~~ .983

Cp 330-344

~~-.681~~ -.593 -.764 -.593 -.414 .34h -.292 -.655 -.817 -.732 -.622 -.64h -1.303 -.510 -.983

Pt/Pto 101-130

.984 .990 .981 .955 .983 .989 1.000 1.000 1.000 .953
1.000 1.000 1.000 1.000 1.000 .965 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.837 Ptc/Pto = .993 K = .048.

Cp 310-320

.581 .919 .783 .505 .359 .112 -.073 -.198 -.258 -.182 -.135

Cp 321-329

.937 .567 .268 .123 .045 -.050 ~~-.080~~ ~~-.079~~ -.081

Ps 301-309 12.578 11.779 ~~13.905~~ 12.093 12.518 12.852 12.894 12.879 12.889

Ps 201-206 12.904 12.897 12.750 12.784 12.593 12.617

Ps 207-212 12.137 12.137 12.172 12.183 12.161 12.096

Ps 213-224 11.961 10.939 10.697 11.14 12.124 12.351 12.452 12.448 12.433 12.788 13.130 13.253

Ps 225-236 14.14h 12.626 11.465 11.395 11.757 12.440 12.544 12.569 12.564 12.656 12.981 13.142

Ps 237-245 14.692 13.087 12.086 ~~11.911~~ 11.568 12.350 12.824 12.969 13.186

Pcw = 12.757 L = .0210 Pcb = 12.148 Ptc/Pcw = 1.163 Wc = 1.80 T = 88. B = 29.94

Run 4-13 C1 I2 S2 B1 Eng 2 α=4° β=4° m/m'=~~.677~~ 0.731

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 .999 .999 .995 .991 ~~.985~~ .984

Cp 330-344

~~-.027~~ -.435 -.662 -.529 -.355 .392 -.267 -.635 -.800 -.712 -.603 -.432 -1.072 -.459 -.929

Pt/Pto 101-130

.984 .987 .961 .94 .992 .991 1.000 1.000 .987 .954
1.000 1.000 1.000 1.000 .999 .970 1.000 1.000 1.000 1.000
1.000 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.825 Ptc/Pto = .992 K = .0540

Cp 310-320

.674 .972 .832 .549 .408 .171 -.003 -.124 -.192 -.132 -.081

Cp 321-329

.955 .845 .539 .361 .260 .111 ~~-.030~~ -.030 ~~-.031~~

Ps 301-309 12.162 11.698 ~~13.305~~ 12.000 12.466 12.852 12.884 12.875 12.887

Ps 201-206 12.904 12.892 12.738 12.779 12.587 12.614

Ps 207-212 12.133 12.133 12.168 12.179 12.158 12.093

Ps 213-224 12.094 11.035 10.747 11.195 12.119 12.353 12.451 12.446 12.430 12.784 13.125 13.24

Ps 225-236 13.605 11.957 10.882 10.935 11.467 12.225 12.385 12.455 12.482 12.654 12.978 13.136

Ps 237-245 14.889 13.685 12.780 ~~11.867~~ 11.998 12.512 12.898 13.000 13.203

Pcw = 12.752 L = .0214 Pcb = 12.144 Ptc/Pcw = 1.163 Mc = 1.79 T = 91. B = 29.94

Run 4-14 C1 I2 S2 B1 Eng 2 α=4° β=-4° m/m*=~~.677~~ 0.733

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 1.000 .998 .994 ~~.986~~ .984

Cp 330-344
~~-.018~~ -.301 -.594 -.517 -.363 .382 -.282 -.64 -.804 -.716 -.608 -.474 -1.205 -.444 -.911

Pt/Pto 101-130
.984 .94 .962 .954 .998 .996 .999 .974 .975 .967
1.000 1.000 1.000 .993 .984 .983 1.000 1.000 1.000 .998
.997 .996 1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.796 Ptc/Pto = .990 K = .0535

Cp 310-320
.634 .906 .757 .511 .374 .152 -.002 -.117 -.193 -.155 -.107

Cp 321-329
.569 .967 .706 .622 .498 .308 ~~-.04~~ ~~-.04~~ ~~-.645~~

Ps 301-309 11.661 11.435 ~~13.903~~ 11.489 12.081 12.712 12.779 12.775 12.794

Ps 201-206 12.814 12.779 12.656 12.696 12.486 12.513

Ps 207-212 12.010 12.013 12.055 12.061 12.039 11.972

Ps 213-224 12.120 11.028 10.690 11.095 12.014 12.230 12.321 12.304 12.280 12.651 13.012 13.150

Ps 225-236 12.709 11.199 10.969 11.041 11.289 11.455 11.604 11.783 11.953 12.554 12.853 13.014

Ps 237-245 14.931 14.257 13.467 ~~11.970~~ 12.361 12.642 12.878 12.924 13.124

Pcw = 12.658 L = .0221 Pcb = 12.025 Ptc/Pcw = 1.169 Wc = 1.81 T = 92. B = 29.94

Run 4-15 C1 I2 S2 B1 Eng 2 α=4° β=-10° m/m'=.~~687~~ 0.732

Pt/Pto 131-144
~~.999~~ .999 1.000 ~~1.000~~ .999 .998 .999 1.000 1.000 1.000 .998 .995 ~~.984~~ .983

Cp 330-344
~~-.652~~ -.261 -.592 -.562 -.441 .328 -.318 -.667 -.817 -.737 -.638 -.709 -1.601 -.475 -.962

Pt/Pto 101-130
.979 .915 .956 .961 .999 .997 .999 .932 .964 .972
1.000 1.000 1.000 .94 .966 .978 1.000 1.000 1.000 .967
.978 .995 1.000 1.000 1.000 .993 .996 1.000 1.000 1.000

Ptc = 14.690 Ptc/Pto = .983 K = .0864

Cp 310-320
.478 .799 .667 .413 .278 .038 -.072 -.173 -.259 -.231 -.205

Cp 321-329
-.088 .931 .891 .756 .64 .428 ~~-.070~~ -.070 ~~-.070~~

Ps 301-309 11.001 10.814 ~~13.837~~ 10.995 12.052 12.562 12.572 12.547 12.615

Ps 201-206 12.682 12.633 12.553 12.569 12.335 12.359

Ps 207-212 11.829 11.84 11.902 11.891 11.867 11.788

Ps 213-224 12.065 10.962 10.599 10.979 11.912 12.105 12.170 12.127 12.081 12.423 12.801 12.961

Ps 225-236 11.935 10.74 10.968 11.038 11.334 11.344 11.344 11.381 11.452 12.157 12.590 12.829

Ps 237-245 14.850 14.559 13.866 ~~12.203~~ 12.560 12.689 12.783 12.700 12.972

Pcw = 12.522 L = .0236 Pcb = 11.854 Ptc/Pcw = 1.173 Wc = 1.81 T = 93. B = 29.94

Run 4-16 C1 I2 S2 B1 Eng 2 α=-4° β=-10° m/m*=~~.677~~ 0.733

Pt/Pto 131-144

~~.999~~ .999 .999 ~~1.000~~ .999 .998 1.000 1.000 .999 1.000 .999 .996 ~~.984~~ .983

Cp 330-344

~~-.072~~ -.073 -.406 -.422 -.324 .415 -.150 -.487 -.672 -.636 -.558 -.701 -1.624 -.416 -.903

Pt/Pto 101-130

.979 .928 .963 .954 1.000 .997 1.000 .94 .972 .968
1.000 1.000 1.000 .968 .978 .982 1.000 1.000 1.000 .984
.990 .998 1.000 1.000 1.000 .999 1.000 1.000 1.000 1.000

Ptc = 14.747 Ptc/Pto = .987 K = .0732

Cp 310-320

.285 .869 .734 .557 .424 .200 .04 -.072 -.164 -.180 -.150

Cp 321-329

.259 .996 .882 .720 .609 .404 ~~-.103~~ ~~-.105~~ ~~-.104~~

Ps 301-309 11.430 11.136 ~~13.903~~ 11.292 12.133 12.658 12.688 12.565 12.711

Ps 201-206 12.751 12.706 12.606 12.635 12.414 12.439

Ps 207-212 11.922 11.930 11.980 11.981 11.955 11.885

Ps 213-224 11.458 10.614 10.379 10.850 11.899 12.132 12.224 12.205 12.177 12.548 12.916 13.062

Ps 225-236 12.305 10.944 11.065 11.037 11.365 11.416 11.456 11.544 11.657 12.372 12.74h 12.930

Ps 237-245 14.828 14.591 13.907 ~~12.355~~ 12.604 12.737 12.854 12.872 13.062

Pcv = 12.592 L = .0229 Pcb = 11.941 Ptc/Pcv = 1.171 Wc = 1.81 T = 93. B = 29.94

Run 4-17 C1 I2 S2 B1 Eng 2 α=-4° β=-4° m/m*=~~.677~~ 0.734

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 1.000 1.000 .999 .997 ~~.986~~ .984

Cp 330-344
~~-.034~~ -.164 -.461 -.428 -.312 .466 -.115 -.467 -.660 -.621 -.539 -.456 -1.199 -.410 -.905

Pt/Pto 101-130
.980 .961 .964 .950 .998 .994 1.000 .992 .976 .965
1.000 1.000 1.000 .999 .989 .979 .999 1.000 1.000 1.000
.999 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.808 Ptc/Pto = .991 K = .0507

Cp 310-320
.368 .950 .876 .639 .502 .268 .086 -.04 -.136 -.130 -.096

Cp 321-329
.714 .946 .688 .521 .407 .227 ~~-.053~~ ~~-.052~~ ~~-.054~~

Ps 301-309 11.970 11.570 ~~13.895~~ 11.716 12.267 12.765 12.814 12.798 12.820

Ps 201-206 12.834 12.809 12.669 12.715 12.509 12.534

Ps 207-212 12.038 12.04 12.080 12.089 12.065 11.997

Ps 213-224 11.469 10.625 10.412 10.916 11.970 12.221 12.330 12.329 12.314 12.695 13.04 13.179

Ps 225-236 12.996 11.371 10.604 10.836 11.271 11.720 11.918 12.080 12.201 12.587 12.891 13.04

Ps 237-245 14.919 14.272 13.477 ~~12.389~~ 12.358 12.647 12.899 12.955 13.153

Pcw = 12.678 L = .0219 Pcb = 12.052 Ptc/Pcw = 1.168 Wc = 1.81 T = 93. B = 29.93

Run 4-18 C1 I2 S2 B1 Eng 2 α=-4° β=4° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 1.000 1.000 1.000 .998 .994 ~~.986~~ .984

Cp 330-344

~~-.029~~ -.365 -.593 -.508 -.376 .477 -.101 -.463 -.656 -.617 -.537 -.407 -1.068 -.455 -.971

Pt/Pto 101-130

.982 .987 .969 .94 .991 .991 1.000 1.000 .998 .960
1.000 1.000 1.000 1.000 1.000 .982 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.841 Ptc/Pto = .993 K = .0527

Cp 310-320

.404 1.001 .913 .651 .510 .260 .053 -.087 -.177 -.150 -.118

Cp 321-329

.966 .672 .351 .179 .082 -.04 ~~-.032~~ ~~-.031~~ ~~-.031~~

Ps 301-309 12.417 11.74 ~~13.961~~ 12.183 12.609 12.875 12.899 12.885 12.899

Ps 201-206 12.907 12.894 12.745 12.786 12.591 12.618

Ps 207-212 12.138 12.14h 12.175 12.187 12.164 12.100

4

Ps 213-224 11.404 10.612 10.452 10.978 12.054 12.315 12.432 12.438 12.428 12.793 13.132 13.253

Ps 225-236 13.869 12.271 11.138 11.136 11.604 12.335 12.470 12.513 12.523 12.652 12.978 13.133

Ps 237-245 14.874 13.649 12.733 ~~12.309~~ 11.953 12.491 12.893 13.001 13.203

Pcw = 12.757 L = .0213 Pcb = 12.151 Ptc/Pcw = 1.163 Wc = 1.79 T = 94. B = 29.93

Run 4-19 C1 I2 S2 B1 Eng 2 α=-4° β=10° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .999 .998 .999 1.000 .999 .999 .998 .994 ~~.984~~ .983

Cp 330-344

~~-.094~~ -.574 -.742 -.627 -.493 .429 -.128 -.486 -.677 -.639 -.564 -.632 -1.345 -.532 -1.067

Pt/Pto 101-130

.982 .990 .988 .957 .984 .988 1.000 1.000 1.000 .960
1.000 1.000 1.000 1.000 1.000 .978 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.848 Ptc/Pto = .994 K = .048

Cp 310-320

.251 .933 .84 .587 .442 .177 -.045 -.188 -.273 -.235 -.215

Cp 321-329

.818 .295 .013 -.107 -.176 -.252 ~~-.086~~ -.087 ~~-.085~~

Ps 301-309 12.733 11.775 ~~13.900~~ 12.316 12.689 12.880 12.910 12.888 12.898

Ps 201-206 12.908 12.895 12.751 12.792 12.594 12.620

Ps 207-212 12.140 12.141 12.177 12.189 12.165 12.101

Ps 213-224 11.192 10.463 10.354 10.905 12.032 12.302 12.422 12.433 12.425 12.793 13.135 13.255

Ps 225-236 14.325 12.899 11.713 11.582 11.912 12.520 12.601 12.612 12.598 12.660 12.984 13.143

Ps 237-245 14.663 13.039 12.022 ~~12.096~~ 11.518 12.332 12.820 12.968 13.165

Pcw = 12.760 L = .0212 Pcb = 12.152 Ptc/Pcw = 1.164 Wc = 1.79 T = 94. B = 29.93

Run 4-20 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 1.000 .999 .997 .993 ~~.991~~ .991

Cp 330-344
~~-.017~~ -.306 -.571 -.483 -.332 .440 -.189 -.554 -.733 -.668 -.568 -.388 -1.014 -.425 -.871

Pt/Pto 101-130
.983 .983 .956 .939 .997 .993 1.000 1.000 .972 .94
1.000 1.000 1.000 1.000 .994 .955 1.000 1.000 1.000 1.000
1.000 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.789 Ptc/Pto = .990 K = .0622

Cp 310-320
.584 1.001 .84 .596 .456 .222 .040 -.084 -.165 -.129 -.085

Cp 321-329
.000 .913 .638 .433 .324 .159 ~~-.011~~ ~~-.007~~ ~~-.011~~

Ps 301-309 12.157 11.605 ~~13.894~~ 11.773 12.273 12.811 12.855 12.841 12.861

Ps 201-206 12.808 12.856 12.705 12.74 12.548 12.575

Ps 207-212 12.088 12.090 12.127 12.136 12.111 12.04

Ps 213-224 11.861 10.879 10.615 11.083 12.04 12.289 12.391 12.386 12.371 12.739 13.088 13.216

Ps 225-236 13.335 11.666 10.645 10.756 11.284 12.042 12.230 12.329 12.376 12.625 12.934 13.095

Ps 237-245 14.930 13.995 13.127 ~~12.093~~ 12.138 12.538 12.878 12.972 13.177

Pcw = 12.716 L = .0217 Pcb = 12.100 Ptc/Pcw = 1.163 Wc = 1.79 T = 94. B = 29.93

Run 4-21 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.006~~ 1.000 1.000 .999 1.000 1.000 1.000 .998 .994 ~~.987~~ .984

Cp 330-344

~~-.003~~ -.309 -.573 -.409 -.341 .431 -.199 -.555 -.735 -.673 -.577 -.402 -1.074 -.442 -.925

Pt/Pto 101-130

.982 .981 .959 .94 .997 .993 1.000 1.000 .972 .959
1.000 1.000 1.000 1.000 .992 .975 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000

Ptc = 14.812 Ptc/Pto = .992 K = .0549

Cp 310-320

.562 .989 .866 .600 .463 .226 .04 -.081 -.166 -.131 -.085

Cp 321-329

.866 .905 .815 .438 .327 .152 ~~-.011~~ ~~-.011~~ ~~-.010~~

Ps 301-309 12.071 11.636 ~~13.890~~ 11.870 12.388 12.820 12.860 12.84 12.865

Ps 201-206 12.873 12.858 12.711 12.756 12.557 12.583

Ps 207-212 12.095 12.098 12.135 12.144 12.120 12.056

Ps 213-224 11.814 10.851 10.598 11.073 12.053 12.296 12.399 12.397 12.381 12.74 13.094 13.220

Ps 225-236 13.319 11.664 10.676 10.807 11.303 12.023 12.209 12.317 12.376 12.636 12.938 13.093

Ps 237-245 14.926 14.004 13.157 ~~12.120~~ 12.192 12.575 12.904 12.982 13.180

Pcw = 12.723 L = .0213 Pcb = 12.108 Ptc/Pcw = 1.164 Wc = 1.79 T = 94. B = 29.93

Run 4-22 C1 I2 S2 B1 Eng 2 α=-4° β=0° m/m'=. 0.731

Pt/Pto 131-144
~~1.006~~ 1.000 1.000 ~~1.006~~ 1.000 1.000 1.000 1.000 1.000 1.000 .999 .995 ~~.987~~ .985

Cp 330-344
~~-.016~~ -.254 -.521 -.456 -.327 .484 -.101 -.463 -.658 -.617 -.533 -.384 -1.004 -.423 -.924

Pt/Pto 101-130
.982 .984 .955 .94 .996 .993 1.000 1.000 .975 .961
1.000 1.000 1.000 1.000 .996 .978 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000

Ptc = 14.812 Ptc/Pto = .992 K = .0543

Cp 310-320
.409 .389 .910 .663 .525 .282 .087 -.050 -.140 -.124 -.089

Cp 321-329
.901 .839 .540 .361 .255 .038 -.023 ~~-.020~~ ~~-.019~~

Ps 301-309 12.214 11.675 13.884 11.972 12.457 12.841 12.872 12.853 12.872

Ps 201-206 12.881 12.868 12.719 12.765 12.562 12.591

Ps 207-212 12.107 12.110 12.14 12.157 12.133 12.069

Ps 213-224 11.470 10.650 10.463 10.975 12.032 12.288 12.402 12.406 12.394 12.762 13.106 13.229

Ps 225-236 13.457 11.794 10.739 10.829 1 .387 12.137 12.314 12.396 12.435 12.638 12.960 13.113

Ps 237-245 14.916 14.003 13.150 ~~12.141~~ 12.182 12.579 12.911 12.996 13.194

Pcw = 12.731 L = .0215 Pcb = 12.120 Ptc/Pcw = 1.163 Wc = 1.79 T = 95. B = 29.92

Run 4-23 C1 I2 S2 B1 Eng 2 α=-10° β=0° m/m*=. 0.732

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 .999 .997 ~~.987~~ .984

Cp 330-344
~~-.034~~ -.168 -.426 -.401 -.307 .558 .04 -.303 -.510 -.505 -.454 -.339 -1.035 -.385 -.917

Pt/Pto 101-130
.981 .984 .962 .948 .997 .993 1.000 1.000 .990 .965
1.000 1.000 1.000 1.000 .999 .985 1.000 1.000 1.000 1.000
1.000 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.834 Ptc/Pto = .993 K = .0529

Cp 310-320
.105 1.002 .971 .752 .619 .373 .161 .011 -.090 -.101 -.084

Cp 321-329
.927 .773 .395 .226 .120 -.023 ~~-.045~~ ~~-.043~~ ~~-.044~~

Ps 301-309 12.376 11.745 ~~13.887~~ 12.119 12.570 12.870 12.886 12.877 12.886

Ps 201-206 12.889 12.878 12.727 12.777 12.579 12.603

Ps 207-212 12.122 12.123 12.161 12.173 12.14 12.083

Ps 213-224 10.859 10.309 10.235 10.802 11.986 12.268 12.396 12.408 12.403 12.778 13.119 13.24h

Ps 225-236 13.634 11.997 10.892 10.939 11.522 12.241 12.397 12.448 12.478 12.642 12.970 13.122

Ps 237-245 14.314 13.994 13.133 ~~14.157~~ 12.167 12.575 12.914 13.005 13.202

Pcw = 12.742 L = .0209 Pcb = 12.135 Ptc/Pcw = 1.164 Mc = 1.79 T = 96. B = 29.92

Run 4-24 C1 I2 S2 B1 Eng 2 α=4° β=0° m/m*=. 0.731

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 .999 .996 .992 ~~.986~~ .984

Cp 330-344
~~-.009~~ -.359 -.523 -.514 -.350 .401 -.271 -.638 -.800 -.716 -.602 -.412 -1.076 -.445 -.914

Pt/Pto 101-130
.983 .971 .961 .94 .936 .993 1.000 .997 .974 .957
1.000 1.000 1.000 1.000 .990 .971 1.000 1.000 1.000 1.000
.999 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.796 Ptc/Pto = .991 K = .0555

Cp 310-320
.669 .955 .805 .540 .408 .177 .010 -.107 -.178 -.129 -.076

Cp 321-329
796 .933 .664 .508 .396 .219 -.018 ~~-.019~~ ~~-.020~~

Ps 301-309 11.908 11.603 ~~13.883~~ 11.738 12.291 12.784 12.838 12.823 12.84

Ps 201-206 12.858 12.839 12.695 12.742 12.539 12.566

Ps 207-212 12.078 12.079 12.116 12.125 12.104 12.037

Ps 213-224 12.115 11.038 10.721 11.152 12.063 12.296 12.390 12.379 12.361 12.725 13.071 13.200

Ps 225-236 13.158 11.534 10.682 10.885 11.278 11.840 12.038 12.184 12.287 12.616 12.913 13.070

Ps 237-245 14.922 14.008 13.166 ~~12.174~~ 12.199 12.574 12.888 12.965 13.162

Pcw = 12.707 L = .0215 Pcb = 12.090 Ptc/Pcw = 1.164 Wc = 1.79 T = 96. B = 29.92

Run 4-25 C1 I2 S2 B1 Eng 2 α=10° β=0° m/m*=. 0.730, 0.728

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .998 .999 1.000 .999 .997 .993 .990 ~~.986~~ .984

Cp 330-344

~~-.043~~ -.428 -.678 -.536 -.357 .341 -.369 -.729 -.863 -.742 -.611 -.408 -1.062 -.437 -.892

Pt/Pto 101-130

.985 .956 .961 .948 .997 .994 1.000 .985 .974 .960
1.000 1.000 1.000 .998 .966 .975 1.000 1.000 1.000 1.000
.998 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.790 Ptc/Pto = .990 K = .0531

Cp 310-320

.798 .943 .763 .472 .337 .124 -.017 -.119 -.178 -.113 -.058

Cp 321-329

.640 .978 .763 .584 .469 .277 ~~-.052~~ ~~-.053~~ ~~-.052~~

Ps 301-309 11.697 11.489 ~~13.889~~ 11.552 12.149 12.738 12.806 12.796 12.820

Ps 201-206 12.834 12.804 12.676 12.720 12.514 12.538

Ps 207-212 12.04 12.043 12.083 12.092 12.072 12.005

Ps 213-224 12.476 11.274 10.880 11.238 12.074 12.290 12.368 12.34 12.323 12.683 13.040 13.173

Ps 225-236 12.887 11.355 10.891 11.057 11.281 11.551 11.743 11.933 12.094 12.592 12.884 13.037

Ps 237-245 14.926 14.011 13.172 ~~14.134~~ 12.198 12.564 12.864 12.936 13.136

Pcw = 12.681 L = .0216 Pcb = 12.056 Ptc/Pcw = 1.166 Wc = 1.79 T = 98. B = 29.92

Run 4-26 C1 I2 S2 B1 Eng 2 α=0° β=-4° m/m*=. 0.727

Pt/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 1.000 1.000 1.000 1.000 .999 .996 ~~.986~~ .984

Cp 330-344
~~-.007~~ -.231 -.530 -.470 -.333 .428 -.198 -.557 -.735 -.672 -.575 -.464 -1.195 -.424 -.896

Pt/Pto 101-130
.982 .955 .966 .952 .998 .995 1.000 .985 .977 .966
1.000 1.000 1.000 .998 .980 .980 1.000 1.000 1.000 1.000
.998 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.798 Ptc/Pto = .991 K = .042

Cp 310-320
.562 .971 .817 .572 .437 .208 .037 -.079 -.164 -.141 -.102

Cp 321-329
.586 .389 .769 .577 .462 .274 ~~-.022~~ -.023 ~~-.024~~

Ps 301-309 11.870 11.583 ~~13.886~~ 11.667 12.208 12.769 12.826 12.817 12.840

Ps 201-206 12.847 12.820 12.690 12.740 12.533 12.557

Ps 207-212 12.068 12.070 12.109 12.120 12.096 12.031

Ps 213-224 11.855 10.896 10.626 11.074 12.039 12.269 12.365 12.356 12.338 12.706 13.057 13.186

Ps 225-236 11.893 11.336 10.814 11.006 11.296 11.604 11.807 11.937 12.147 12.609 12.902 13.055

Ps 237-245 14.912 14.290 13.516 ~~12.272~~ 12.409 12.684 12.918 12.970 13.158

Pcw = 12.698 L = .0212 Pcb = 12.082 Ptc/Pcw = 1.165 Wc = 1.70 T = 98. B = 29.91

Run 4-27 C1 I2 S2 B1 Eng 2 α=0° β=-10° m/m*=. 0.720, 0.725

Pt/Pto 131-144

~~.999~~ .999 .999 ~~1.000~~ .999 .998 .999 1.000 1.000 1.000 .999 .996 ~~.984~~ .983

Cp 330-344

~~-.057~~ -.164 -.501 -.492 -.376 .371 -.239 -.581 -.750 -.689 -.596 -.708 -1.615 -.437 -.896

Pt/Pto 101-130

.979 .925 .962 .959 1.000 .997 1.000 .943 .969 .969
1.000 1.000 1.000 .960 .973 .979 1.000 1.000 1.000 .977
.985 .997 1.000 1.000 1.000 .997 .999 1.000 1.000 1.000

Ptc = 14.714 Ptc/Pto = .986 K = .0756

Cp 310-320

.458 .850 .727 .473 .340 .127 -.019 -.129 -.216 -.217 -.181

Cp 321-329

.172 .991 .912 .739 .626 .421 ~~-.084~~ -.088 ~~-.085~~

Ps 301-309 11.34 11.144 ~~13.680~~ 11.263 12.146 12.689 12.707 12.691 12.741

Ps 201-206 12.783 12.744 12.654 12.684 12.462 12.485

Ps 207-212 11.985 11.991 12.043 12.042 12.019 11.94

Ps 213-224 11.926 10.953 10.665 11.071 12.016 12.211 12.290 12.260 12.226 12.569 12.926 13.070

Ps 225-236 12.230 10.989 11.166 11.191 11.472 11.496 11.510 11.566 11.657 12.360 12.747 12.94

Ps 237-245 14.806 14.601 13.949 ~~12.399~~ 12.680 12.794 12.891 12.895 13.076

Pcw = 12.635 L = .0218 Pcb = 12.005 Ptc/Pcw = 1.165 Wc = 1.78 T = 98. B = 29.91

Run 4-28 C1 I2 S2 B1 Eng 2 α=0° β=4° m/m*=. 0.734, 0.728

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 .999 .999 1.000 1.000 .999 .997 .993 ~~.986~~ .984

Cp 330-344

~~-.02~~ -.401 -.639 -.522 -.371 .437 -.190 -.557 -.738 -.674 -.576 -.425 -1.083 -.462 -.961

Pt/Pto 101-130

.983 .987 .964 .946 .992 .991 1.000 1.000 .993 .957
1.000 1.000 1.000 1.000 1.000 .977 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.821 Ptc/Pto = .993 K = .0542

Cp 310-320

.531 .982 .864 .599 .458 .216 .021 -.110 -.188 -.144 -.104

Cp 321-329

.951 .763 .447 .276 .176 .038 ~~-.613~~ ~~-.611~~ ~~-.613~~

Ps 301-309 12.279 11.692 13.884 12.045 12.494 12.836 12.863 12.853 12.867

Ps 201-206 12.872 12.861 12.711 12.760 12.562 12.586

Ps 207-212 12.101 12.103 12.138 12.148 12.127 12.061

Ps 213-224 11.725 10.788 10.559 11.049 12.055 12.304 12.411 12.411 12.399 12.760 13.103 13.227

Ps 225-236 13.725 12.090 10.971 10.996 11.491 12.257 12.404 12.447 12.470 12.624 12.955 13.109

Ps 237-245 14.873 13.658 12.738 ~~12.336~~ 11.945 12.472 12.869 12.976 13.176

Pcw = 12.725 L = .0209 Pcb = 12.113 Ptc/Pcw = 1.165 Wc = 1.79 T = 99. B = 29.91

Run 4-29 C1 I2 S2 B1 Eng 2 α=0° β=10° m/m*=. 0.735, 0.725

Pt/Pto 131-144

~~.999~~ .999 .999 ~~.999~~ .999 .998 .999 1.000 .999 .999 .996 .992 ~~.983~~ .983

Cp 330-344

~~-.960~~ -.582 -.761 -.611 -.466 .388 -.209 -.572 -.750 -.688 -.597 -.634 -1.305 -.522 -1.022

Pt/Pto 101-130

.382 .990 .983 .960 .982 .989 1.000 1.000 1.000 .957
1.000 1.000 1.000 1.000 1.000 .971 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.828 Ptc/Pto = .994 K = .0436

Cp 310-320

.420 .933 .819 .544 .338 .143 -.062 -.201 -.273 -.215 -.181

Cp 321-329

.307 .425 .140 .011 -.059 -.145 ~~-.056~~ ~~-.056~~ ~~-.054~~

Ps 301-309 12.568 11.698 ~~13.678~~ 12.112 12.516 12.816 12.864 12.842 12.852

Ps 201-206 12.854 12.842 12.699 12.747 12.544 12.567

Ps 207-212 12.079 12.079 12.116 12.127 12.105 12.038

Ps 213-224 11.552 10.652 10.466 10.363 12.028 12.277 12.387 12.389 12.377 12.742 13.090 13.212

Ps 225-236 14.223 12.741 11.548 11.438 11.776 12.437 12.529 12.543 12.531 12.605 12.938 13.098

Ps 237-245 14.645 12.998 11.974 ~~12.157~~ 11.458 12.278 12.769 12.923 13.142

Pcw = 12.709 L = .0209 Pcb = 12.091 Ptc/Pcw = 1.167 Wc = ~~1.96~~ T = ~~10.~~ B = 29.90

Run 4-30 C1 I2 S2 B1 En; 2 α=0° β=0° m/m*=. 0.735, 0.725

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 .999 1.000 1.000 1.000 .998 .994 ~~.987~~ .984

Cp 330-344

~~.064~~ -.307 -.577 -.488 -.339 .440 -.190 -.556 -.734 -.672 -.572 -.401 -1.069 -.440 -.923

Pt/Pto 101-130

.982 .981 .958 .945 .997 .993 1.000 1.000 .972 .959
1.000 1.000 1.000 1.000 .993 .975 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.797 Ptc/Pto = .992 K = .0555

Cp 310-320

.571 .992 .869 .597 .462 .223 .043 -.084 -.166 -.133 -.088

Cp 321-329

.887 .909 .628 .436 .326 .159 -.001 -.001 ~~-.001~~

Ps 301-309 12.005 11.030 ~~13.880~~ 11.866 12.385 12.811 12.852 12.837 12.853

Ps 201-206 12.860 12.847 12.701 12.750 12.550 12.574

Ps 207-212 12.090 12.090 12.127 12.137 12.115 12.049

Ps 213-224 11.810 10.852 10.598 11.069 12.047 12.290 12.392 12.391 12.376 12.738 13.085 13.210

Ps 225-236 13.317 11.669 10.680 10.805 11.293 12.022 12.207 12.314 12.370 12.627 12.934 13.085

Ps 237-245 14.911 13.993 13.149 ~~12.153~~ 12.185 12.570 12.898 12.975 13.169

Pcw = 12.714 L = .0209 Pcb = 12.101 Ptc/Pcw = 1.164 Wc = ~~1.94~~ T = -10. B = 29.90

RUN 4-31 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m* = ~~.577~~ 0.732

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .990 1.000 .938 .994 .987 .984

Cp 330-344
~~.157~~ -.695 -.574 -.480 -.333 .440 -.183 -.550 -.728 -.666 -.570 -.402 -1.091 -.433 -.915

Pt/Pto 101-130
.982 .981 .959 .946 .998 .994 1.000 1.000 .972 .959
1.000 1.000 1.000 1.000 .993 .974 1.000 1.000 1.000 1.000
1.000 .995 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.822 Pto/Pto = .992 K = .0547

Cp 310-320
.577 -.004 .854 .506 .468 .230 .049 -.074 -.156 -.128 -.082

Cp 321-329
.303 .942 .586 .446 .338 .168 ~~.027~~ -.026 -.025

Ps 301-309 12.106 11.609 11.592 11.862 12.386 12.830 12.869 12.845 12.863

Ps 201-206 12.829 12.809 12.717 12.808 12.625 12.546

Ps 207-212 12.093 12.096 12.138 12.153 12.127 12.055

Ps 213-224 11.832 10.841 10.592 11.065 12.053 12.300 12.402 12.400 12.385 12.752 13.097 13.220

Ps 225-236 13.308 11.628 10.626 10.760 11.376 12.004 12.207 12.320 12.393 12.640 12.942 13.080

Ps 237-245 14.922 14.047 13.194 ~~14.036~~ 12.214 12.586 12.911 12.988 13.186

Pcw = 12.722 L = .0191 Pcb = 12.110 Ptc/Pcw = 1.165 Wc = 1.85 T = 64. B = 29.94

Run 4-33 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m*=.~~627~~ 0.732, 0.727

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .993 .987 .984

Cp 330-344
~~-.156~~ -.238 -.572 -.485 -.348 .443 -.185 -.550 -.731 -.667 -.571 -.407 ~~-.264~~ -.432 -.933

Pt/Pto 101-130
.983 .983 .959 .94 .996 .993 1.000 1.000 .973 .958
1.000 1.000 1.000 1.000 .993 .974 1.000 1.000 1.000 1.000
1.000 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.813 Ptc/Pto = .992 K = .0559

Cp 310-320
.553 ~~-.215~~ .825 .608 .467 .228 .048 -.081 -.164 -.131 -.088

Cp 321-329
.878 .922 .645 .440 .328 .161 ~~-.037~~ -.038 ~~-.057~~

Ps 301-309 12.046 11.604 11.533 11.814 ~~14.619~~ 12.793 12.830 12.803 12.818

Ps 201-206 12.861 12.893 12.763 12.648 12.400 12.459

Ps 207-212 12.04 12.045 12.087 12.087 12.056 11.993

Ps 213-224 11.729 10.753 10.504 10.362 12.002 12.24 12.351 12.351 12.331 12.707 13.060 13.188

Ps 225-236 13.286 11.590 10.576 10.727 11.263 11.951 12.154 12.269 12.338 12.592 12.901 13.051

Ps 237-245 14.910 13.953 13.077 ~~12.865~~ 12.120 12.521 12.862 12.942 13.14

Pcw = 12.671 L = .0333 Pcb = 12.052 Ptc/Pcw = 1.169 Wc = 1.86 T = 66. B = 29.93

Run 4-34 C1 I2 S2 B1 Eng 2 α=-4° β=0° m/m'=.677 0.729

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .995 .987 .984

Cp 330-344
-.158 -.245 -.526 -.453 -.329 .483 -.099 -.462 -.654 -.614 -.533 -.389 -.258 -.416 -.937

Pt/Pto 101-130
.983 .986 .956 .94 .935 .903 1.000 1.000 .975 .960
1.000 1.000 1.000 1.000 .995 .978 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.816 Ptc/Pto = .992 K = .0543

Cp 310-320
.366 .220 .863 .665 .527 .282 .085 -.050 -.143 -.124 -.091

Cp 321-329
.881 .854 .520 .363 .253 .097 -.047 -.046 -.64

Ps 301-309 12.194 11.652 11.614 11.938 14.605 12.821 12.851 12.818 12.833

Ps 201-206 12.885 12.916 12.788 12.672 12.427 12.485

Ps 207-212 12.073 12.078 12.117 12.118 12.087 12.026

Ps 213-224 11.410 10.576 10.395 10.910 11.995 12.255 12.368 12.375 12.361 12.735 13.084 13.210

Ps 225-236 13.435 11.741 10.660 10.764 11.401 12.080 12.273 12.360 12.406 12.610 12.932 13.080

Ps 237-245 14.909 13.964 13.089 12.657 12.136 12.537 12.882 12.965 13.169

Pcw = 12.696 L = .0330 Pcb = 12.083 Ptc/Pcw = 1.167 Wc = 1.85 T = 67. B = 29.93

Run 4-35 C1 I2 S2 E1 Eng 2 α=-10° β=0° m/m'=.~~699~~ 0.731, 0.726

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .996 .987 .984

Cp 330-344
~~-.151~~ -.162 -.428 -.396 -.306 .562 .046 -.298 -.506 -.499 -.445 -.341 ~~-.259~~ -.376 -.920

Pt/Pto 101-130
.961 .987 .961 .94 .935 .992 1.000 1.000 .989 .964
.999 1.000 1.000 1.000 .999 .984 .999 1.000 1.000 1.000
1.000 .998 1.000 1.000 1.000 .999 1.000 .999 .999 1.000

Ptc = 14.833 Ptc/Pto = .993 K = .0528

Cp 310-320
.074 -.162 .307 .752 .623 .375 .163 .013 -.090 -.098 -.084

Cp 321-329
.863 .701 .377 .227 .121 -.024 -.078 -.075 -.073

Ps 301-309 12.339 11.702 11.689 12.078 ~~14.599~~ 12.844 12.862 12.828 12.839

Ps 201-206 12.894 12.924 12.795 12.681 12.437 12.495

Ps 207-212 12.085 12.089 12.130 12.131 12.099 12.037

Ps 213-224 10.807 10.233 10.164 10.743 11.946 12.232 12.350 12.375 12.366 12.749 13.095 13.219

Ps 225-236 13.618 11.947 10.807 10.868 11.536 12.184 12.354 12.422 12.448 12.610 12.941 13.089

Ps 237-245 14.303 13.952 13.067 ~~12.546~~ 12.114 12.531 12.886 12.974 13.177

Pcw = 12.704 L = .0328 Pcb = 12.695 Ptc/Pcw = 1.168 Wc = 1.85 T = 68. B = 29.93

Run 4-36 C1 I2 S2 B1 Eng 2 α=4° β=0° m/m*=.677 0.731

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 1.000 .999 .996 .992 .986 .984

Cp 330-344
~~.152~~ -.354 -.631 -.513 -.352 .336 -.272 -.539 -.802 -.716 -.602 -.421 ~~-.272~~ -.443 -.929

Pt/Pto 101-130
.984 .973 .961 .944 .935 .992 1.000 .997 .974 .956
1.000 1.000 1.000 1.000 .990 .969 1.000 1.000 1.000 1.000
.999 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.807 Pte/Pto = .991 K = .0562

Cp 310-320
.959 ~~-.276~~ .782 .551 .421 .180 .011 -.103 -.185 -.130 -.079

Cp 321-329
.795 .949 .694 .510 .397 .218 ~~-.44~~ -.044 -.044

Ps 301-309 11.878 11.574 11.471 11.674 ~~11.502~~ 12.756 12.808 12.781 12.798

Ps 201-206 12.850 12.876 12.746 12.635 12.382 12.444

Ps 207-212 12.020 12.024 12.067 12.067 12.036 11.973

Ps 213-224 12.033 10.933 10.624 11.060 12.014 12.244 12.340 12.332 12.310 12.684 13.042 13.174

Ps 225-236 13.118 11.448 10.583 10.805 11.239 11.754 11.969 12.129 12.239 12.572 12.880 13.030

Ps 237-245 14.922 13.071 13.098 ~~12.456~~ 12.129 12.517 12.849 12.926 13.132

Pcw = 12.656 L = .0333 Pcb = 12.031 Pte/Pcw = 1.170 Wc = 1.86 T = 68. B = 29.94

Run 1-37 21 19 33 31 Eng 2 α=10° β=0° M/ft=.677 0.732, 0.726

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000 .999 .997 .993 .990 .986 .983

Cp 331-344
~~.135~~ -.422 -.786 -.537 -.365 .337 -.372 -.733 -.865 -.746 -.615 -.419 ~~-.237~~ -.436 -.913

Pt/Pto 101-130
.985 .957 .960 .947 .995 .993 1.000 .985 .973 .959
1.000 1.000 1.000 .999 .985 .974 1.000 1.000 1.000 1.000
.997 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.696 Pts/Pto = .990 K = .0536

Cp 316-320
.771 ~~.331~~ .705 .478 .341 .124 -.019 -.120 -.183 -.115 -.062

Cp 321-329
.609 .[illegible] .762 .584 .470 .274 ~~.[illegible]~~ ~~.[illegible]~~ ~~.[illegible]~~

Ps 301-309 11.641 11.432 11.325 11.479 ~~[illegible]~~ 12.700 12.768 12.74 12.763

Ps 201-216 12.928 12.840 12.725 12.610 12.354 12.416

Ps 207-212 12.997 11.990 12.055 12.032 12.005 11.940

Ps 213-224 12.406 11.180 10.785 11.150 12.029 12.237 12.318 12.298 12.27[illegible] 12.641 13.[illegible] 13.14

Ps 225-236 12.838 11.258 10.764 10.936 11.235 11.494 11.686 11.878 12.041 12.54[illegible] 12.[illegible] 13.[illegible]

Ps 237-245 14.926 13.989 13.120 ~~12.[illegible]~~ 12.138 12.510 12.826 12.895 13.102

Pcw = 12.529 L = .0326 Pcb = 11.998 Pts/Pcw = 1.171 Wc = 1.86 T = 69. B = 29.94

Run 5-2 C1 I2 S2 B1 Eng 2 α=0° β=0° m/m°= ~~.737~~ 0.814, 0.819

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.999	.998	.994	.986	.984

Cp 330-344

~~-.140~~	-.305	-.593	-.503	-.381	.443	-.191	-.565	-.752	-.697	-.610	-.493	-1.398	-.521 -1.171

Pt/Pto 101-130

.976	.958	.951	.938	.997	.992	1.000	.996	.968	.945
1.000	1.000	1.000	1.000	.989	.962	1.000	1.000	1.000	1.000
.999	.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.776 Ptc/Pto = .989 K = .0688

Cp 310-320

.086	~~-.251~~	.898	.698	.553	.296	.089	-.047	-.138	-.120	-.088

Cp 321-329

.621	.960	.727	.532	.413	.222	~~-.031~~	~~-.030~~	-.029

Ps 301-309 11.365 14.654 14.537 14.678 11.357 12.076 12.151 12.145 12.175

Ps 201-206 12.095 12.068 11.946 12.075 11.821 11.713

Ps 207-212 11.078 11.085 11.146 11.172 11.109 11.015

Ps 213-224 10.443 n.g. n.g. 9.636 11.052 11.382 11.517 11.510 11.484 12.010 12.481 12.652

Ps 225-236 12.603 10.583 n.g. 9.550 10.126 10.807 11.076 11.271 11.416 11.866 12.275 12.472

Ps 237-245 14.915 13.791 12.569 ~~10.844~~ 11.259 11.760 12.196 12.303 12.586

Pcw = 11.953 L = .0259 Pcb = 11.101 Ptc/Pcw = 1.236 Wc = 2.05 T = 73. B = 29.95

Run 5-3 C1 I2 S2 B1 Eng 2 α=-4° β=0° m/m' = .7~~11~~ 0.813, 0.819

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	1.000	.999	.995	.986	.984

Cp 330-344

~~-.154~~	-.249	-.535	-.470	-.363	.486	-.105	-.472	-.070	-.638	-.567	-.469	-1.361	-.499 -1.157

Pt/Pto 101-130

.976	.970	.948	.931	.997	.992	1.000	.999	.964	.947
1.000	1.000	1.000	1.000	.990	.964	1.000	1.000	1.000	1.000
1.000	.993	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.783 Ptc/Pto = .989 K = .0699

Cp 310-320

-.070	~~.302~~	.929	.727	.600	.344	.125	-.019	-.117	-.115	-.083

Cp 321-329

.696	.924	.643	.455	.335	.154	~~-.038~~	~~-.039~~	-.037

Ps 301-309	11.579	10.755	14.656	10.867	11.560	12.169	12.225	12.204	12.240			
Ps 201-206	12.165	12.141	12.016	12.144	11.896	11.788						
Ps 207-212	11.172	11.178	11.239	11.264	11.203	11.113						
Ps 213-224	10.149	n.g.	n.g.	9.615	11.104	11.446	11.590	11.592	11.571	12.085	12.547	12.708
Ps 225-236	12.803	10.785	n.g.	9.536	10.197	11.083	11.333	11.480	11.583	11.939	12.344	12.536
Ps 237-245	14.912	13.814	12.709	~~10.641~~	11.328	11.830	12.262	12.372	12.646			

Pcw = 12.025 L = .0255 Pcb = 11.195 Ptc/Pcw = 1.229 Wc = 2.03 T = 75. B = 29.95

Run 5-4 C1 I2 S2 B1 Eng 2 α=-10° β=0° m/m'=.~~711~~ 0.806, 0.821

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .997 .986 .984

Cp 330-344
~~+1.00~~ -.164 -.439 -.413 -.339 .562 .043 -.309 -.5[illegible] -.527 -.479 -.421 -1.3[illegible]0 -.454 -1.133

Pt/Pto 101-130
.974 .977 .9[illegible] .9[illegible] .997 .994 1.000 1.000 .9[illegible] .950
1.000 1.000 1.000 1.000 .995 .973 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.736 Pte/Pto = . .990 K = .0688

Cp 310-320
-.413 ~~-.347~~ .979 .818 .682 .433 .201 .044 -.068 -.091 -.0[illegible]8

Cp 321-329
.759 .630 .514 .[illegible]19 .109 .029 ~~-.069~~ -.0[illegible]6 -.0[illegible]40

Ps 301-309 11.834 10.854 10.[illegible]99 11.124 11.765 12.261 12.398 12.2[illegible]0 1 .304

Ps 201-206 12.229 12.206 12.081 12.207 11.9[illegible]2 11.859

Ps 207-212 11.259 11.267 11.324 11.3[illegible]6 11.289 11.199

Ps 213-224 9.533 n.g. n.g. n.g. 11.12[illegible] 11.4[illegible]3 11.[illegible]48 11.[illegible]65 11.654 12.159 12.606 12.762

Ps 225-236 13.0[illegible]0 11.027 9.527 9.6[illegible]8 10.[illegible]79 11.335 11.57[illegible] 11.[illegible]60 11.738 11.997 12.418 12.606

Ps 237-245 14.906 13.845 12.750 ~~11.060~~ 11.388 11.989 12.3[illegible]5 12.434 12.700

Pow = 12.091 L = .0[illegible]50 Pob = 11.881 Pte/Pow = 1.224 Wc = 2.02 T = [illegible]6. B = [illegible]9.95

Run 5-5 C1 I2 S2 R1 Eng 2 α=-20° β=0° m/m°=.721 · 0.821

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	.999	.986	.983

Cp 330-344

~~-.112~~	-.025	-.260	-.266	-.275	.698	.307	-.003	-.227	-.280	-.284	-.296	-1.218	-.340	-1.075

Pt/Pto 101-130

.971	.979	.955	.935	.997	.993	1.000	1.000	.991	.958
1.000	1.000	1.000	1.000	1.000	.985	1.000	1.000	1.000	1.000
1.000	.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Pto = 14.829 Pto/Pto = .992 K = .0654

Cp 310-320

-1.298	~~-.959~~	1.002	.929	.834	.605	.360	.191	.063	-.005	-.026

Cp 321-329

.680	.622	.256	.071	-.049	-.227	~~-.344~~	~~-.344~~	~~-.343~~

Ps 301-309 12.069 10.936 10.931 11.397 11.979 12.310 12.325 12.293 12.322

Ps 201-206 12.256 12.232 12.105 12.237 11.991 11.886

Ps 207-212 11.293 11.301 11.359 11.377 11.324 11.235

Ps 213-224 n.g. n.g. n.g. 9.589 11.025 11.454 11.645 11.674 11.679 12.189 12.631 12.784

Ps 225-236 13.262 11.323 9.780 9.518 10.661 11.499 11.713 11.783 11.814 12.008 12.439 12.627

Ps 237-245 14.894 13.828 12.721 ~~11.150~~ 11.364 11.991 12.340 12.459 12.724

Pcw = 12.118 L = .0250 Pcb = 11.315 Pto/Pcw = 1.224 Wc = 2.02 T = 77. B = 29.95

Run 5-6 C1 I2 S2 R1 Eng 2 α=4° β=0° m/π°=.~~333~~ 0.803, 0.818

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 .999 .999 .996 .992 .986 .984

Cp 330-344
~~-.144~~ -.358 -.646 -.532 -.390 .398 -.275 -.651 -.818 -.739 -.636 -.500 -1.373 -.521 -1.130

Pt/Pto 101-130
.976 .950 .953 .935 .997 .993 1.000 .989 .970 .947
1.000 1.000 1.000 .999 .987 .964 1.000 1.000 1.000 1.000
.999 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.775 Pt-/Pto = .) K = .0658

Cp 310-320
.387 ~~-.419~~ .874 .635 .490 .240 .050 -.073 -.156 -.1.4 -.073

Cp 321-329
.565 1.006 .777 .577 .466 .268 ~~-.038~~ ~~-.039~~ ~~-.038~~

Ps 301-309 11.318 10.746 14.627 10.752 11.415 12.168 12.249 12.234 12.271

Ps 201-206 12.205 13.172 12.062 13.183 11.939 11.839

Ps 207-212 11.229 11.234 11.296 11.316 11.261 11.172

Ps 213-224 11.001 9.838 n.g. 9.974 11.231 11.535 11.653 11.640 11.610 12.105 12.563 12.726

Ps 225-236 12.523 10.604 9.624 9.899 10.328 10.801 11.059 11.282 11.458 11.980 12.364 12.546

Ps 237-245 14.922 13.881 12.814 ~~11.212~~ 11.452 11.908 12.303 12.400 12.667

Ptw = 12.067 L = .0248 Ptb = 11.251 Ptc/Ptw = 1.224 Wc = 2.01 T = 78. B = 29.95

Run 5-7 C1 I2 S2 B1 Eng 2 α=10° β=0° m/m*=.~~777~~ 0.803, 0.818

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .998 1.000 1.000 .999 .997 .994 .990 .985 .984

Cp 330-344
~~-.329~~ -.429 -.704 -.563 -.407 .333 -.382 -.747 -.887 -.776 -.652 -.500 -1.368 -.519 -1.120

Pt/Pto 101-130
.960 .933 .949 .938 .998 .994 1.000 .968 .965 .949
1.000 1.000 1.000 .991 .979 .968 1.000 1.000 1.000 .999
.995 .994 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.746 Pto/Pto = .987 K = .0679

Cp 310-320
.439 ~~.442~~ .832 .568 .423 .135 .015 -.031 -.161 -.106 -.059

Cp 321-329
.318 .990 .840 .651 .533 .315 ~~-.029~~ ~~-.079~~ ~~-.079~~

Ps 301-309 11.002 14.443 14.300 14.493 11.348 13.114 13.187 13.174 13.217

Ps 201-206 12.167 12.126 12.033 12.152 11.898 11.799

Ps 207-212 11.178 11.178 11.249 11.266 11.215 11.121

Ps 213-224 11.444 10.120 9.708 10.085 11.231 11.517 11.616 11.583 11.542 12.033 12.500 12.673

Ps 225-236 12.230 10.442 10.052 10.157 10.443 10.619 10.769 10.954 11.146 11.908 12.300 12.493

Ps 237-245 14.926 13.890 12.830 ~~11.589~~ 11.449 11.888 12.261 12.345 12.614

Pcw = 12.029 L = .0250 Pcb = 11.201 Pto/Pcw = 1.226 Wc = 2.01 T = 79. B = 29.95

Run 5-8 C1 I2 S2 R1 Enr 2 α=20° β=0° m/m* = ~~.713~~ 0.798, 0.818

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .999 .997 .999 .999 .998 .996 .993 .989 .985 .983

Cp 330-344
~~-.369~~ -.522 -.753 -.572 -.428 .270 -.490 -.809 -.916 -.756 -.619 -.453 -1.333 -.479 -1.106

Pt/Pto 101-130
.978 .905 .944 .973 .998 .994 1.000 .921 .955 .972
1.000 1.000 1.000 .953 .962 .906 1.000 1.000 1.000 .975
.991 .985 1.000 1.000 1.000 .997 .998 1.000 1.000 1.000

Pto = 14.682 Pto/Pto = .982 K = .0964

Cp 310-329
.634 ~~.449~~ .713 .494 .356 .147 .015 -.073 -.123 -.096 -.034

Cp 301-309
-.299 .837 .832 .682 .569 .340 ~~-.132~~ -.135 ~~-.135~~

Ps 301-309 10.766 13.827 13.720 14.046 11.314 11.371 11.040 11.012 11.087

Ps 201-206 13.076 12.029 11.965 12.083 11.802 11.694

Ps 207-212 11.052 11.065 11.145 11.155 11.097 10.998

Ps 213-224 11.932 10.452 9.836 10.185 11.192 11.469 11.534 11.470 11.406 11.863 12.343 12.540

Ps 225-236 11.614 10.109 10.279 10.212 10.535 10.577 10.602 10.676 10.780 11.605 12.099 12.349

Ps 237-245 14.930 13.900 12.842 ~~11.395~~ 11.430 11.842 12.171 12.224 12.495

Ptw = 11.941 L = .0265 Pcb = 11.085 Pto/Ptw = 1.230 Wc = 2.01 T = 80. B = 29.95

Run 5-9 C1 I2 S2 B1 Eng 2 α=0° β=-4° m/m' = ~~.111~~ 0.800, 0.820

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	.999	1.000	.999	.995	.984	.984

Cp 330-344

~~-.235~~	-.232	-.552	-.491	-.374	.420	-.204	-.573	-.755	-.698	-.609	-.546	-1.445	-.494	-1.076

Pt/Pto 101-130

.977	.935	.952	.937	.998	.994	1.000	.972	.969	.949
1.000	1.000	1.000	.994	.984	.965	1.000	1.000	1.000	.999
.997	.992	1.000	.999	.999	1.000	1.000	1.000	1.000	1.000

Ptc = 14.753 Ptc/Pto = .987 K = .0654

Cp 310-320

.167	~~.471~~	.846	.640	.500	.256	.070	-.063	-.148	-.139	-.101

Cp 321-329

.374	.982	.819	.638	.518	.314	~~-.055~~	~~-.058~~	~~-.050~~

Ps 301-309	11.277	14.658	14.536	14.558	11.344	12.147	12.231	12.216	12.256			
Ps 201-206	12.204	12.166	12.067	12.187	11.939	11.839						
Ps 207-212	11.229	11.235	11.298	11.318	11.266	11.176						
Ps 213-224	10.813	9.750	n.z.	9.937	11.220	11.521	11.636	11.621	11.588	12.085	12.542	12.710
Ps 225-236	12.273	10.432	9.860	10.051	10.402	10.661	10.861	11.082	11.277	11.966	12.345	12.553
Ps 237-245	14.916	14.172	13.133	~~11.431~~	11.663	12.005	12.326	12.400	12.660			

Pcw = 12.067 L = .0248 Pch = 11.254 Ptc/Pcw = 1.223 Wc = 2.00 T = 80. B = 29.95

Run 5-10 C1 I2 S2 B1 Eng 2 α=0° β=-10° m/m*=.~~71~~ 0.795, 0.820

Pt/Pto 131-144

.999	.999	.999	.999	.999	.998	.999	1.000	.999	.999	.999	.995	.980	.981

Cp 330-344

~~-.424~~	-.161	-.519	-.506	-.417	.369	-.240	-.591	-.762	-.710	-.626	-.781	-1.837	-.503	-1.068

Pt/Pto 101-130

.973	.903	.950	.952	.999	.997	1.000	.927	.959	.962
1.000	1.000	1.000	.950	.965	.965	1.000	1.000	1.000	.971
.981	.989	.999	1.000	.999	.996	.998	1.000	1.000	.999

Ptc = 14.665 Ptc/Pto = .981 K = .0984

Cp 310-320

.097	~~-.499~~	.093	.534	.394	.169	.007	-.116	-.197	-.216	-.178

Cp 321-329

-.225	.927	.914	.735	.669	.454	~~-.122~~	-.124	~~-.124~~

Ps 301-309	10.755	14.[illegible]44	14.019	14.[illegible]56	11.399	12.086	12.101	12.079	12.154			
Ps 201-206	12.149	12.107	12.044	12.145	11.884	11.774						
Ps 207-212	11.156	11.170	11.249	11.254	11.202	11.103						
Ps 213-224	10.926	9.875 n.z.		9.989	11.214	11.488	11.577	11.534	11.479	11.935	12.395	12.586
Ps 225-236	1[illegible].558	10.057	10.257	10.285	10.609	10.639	10.653	10.712	10.315	11.657	12.161	12.410
Ps 237-245	14.804	14.505	13.654	~~11.[illegible]~~	11.983	12.145	12.305	12.322	12.574			

Pcw = 12.017 L = .0255 Pch = 11.189 Ptc/Pcw = 1.220 Wc = 1.98 T = 81. B = 29.95

Run 5-11 C1 1[illegible] S2 B1 Eng [illegible] α=0° β=4° m/m°=.[illegible] 0.810, 0.823

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	.999	.999	.997	.992	.984	.984

Cp 330-344

~~-.040~~	-.404	-.657	-.542	-.410	.431	-.198	-.572	-.760	-.702	-.615	-.513	-1.341	-.539	-1.183

Pt/Pto 101-130

.977	.981	.945	[illegible]	.99[illegible]	.992	1.000	1.000	.973	.942
1.000	1.000	1.000	1.000	.997	.96[illegible]	1.000	1.000	1.000	1.000
1.000	.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.794 Ptc/Pto = .989 K = .0727

Cp 310-320

.145	~~-.546~~	.91[illegible]	.688	.543	.[illegible]79	.057	-.080	-.1[illegible]7	-.1[illegible]9	-.102

Cp 321-329

.87[illegible]	.890	.[illegible]68	.371	.257	.095	~~-.034~~	-.039	~~-.038~~

Ps 301-309	11.715	10.8[illegible]	10.758	11.0[illegible]	11.714	12.248	12.[illegible]95	12.278	12.307			
Ps 201-206	1[illegible].2[illegible]	12.211	12.083	12.211	11.962	11.867						
Ps 207-212	11.263	11.2[illegible]	11.325	11.344	11.294	11.202						
Ps 213-224	10.551	9.554	n.a.	9.845	11.227	11.554	11.691	11.[illegible]91	11.670	12.1[illegible]0	12.608	12.758
Ps 225-236	13.149	1[illegible].14[illegible]	9.658	9.718	10.374	11.379	11.[illegible]10	11.706	11.755	11.997	12.422	12.610
Ps 237-245	14.895	13.4[illegible]8	12.322	~~11.54[illegible]~~	11.140	11.790	12.290	12.423	12.694			

Pcw = 12.094 L = .0247 Pcb = 11.28[illegible] Ptc/Pcw = 1.223 Wc = 2.01 T = 81. B = 29.96

Run 5-12 C1 12 S2 B1 Eng 2 α=0° β=10° m/m' = ~~.811~~ 0.805, 0.817

Pt/Pto 131-144

.999	.999	.999	.999	.999	.998	.999	.999	.999	.999	.997	.993	.982	.982

Cp 330-344

~~-.169~~	-.581	-.775	-.626	-.434	.384	-.219	-.591	-.771	-.716	-.633	-.722	-1.552	-.592	-1.225

Pt/Pto 101-130

.976	.985	.973	.948	.989	.988	1.000	.999	1.000	.943
1.000	1.000	1.000	1.000	1.000	.961	1.000	1.000	1.000	1.000
1.000	.996	1.000	1.000	.999	1.000	.999	1.000	1.000	1.000

Ptc = 14.8[illegible] Ptc/Pto = .991 K = .0578

Cp 310-320

-.004	~~-.545~~	.848	.636	.488	.207	-.021	-.167	-.245	-.209	-.178

Cp 321-329

.910	.633	.286	.128	.032	-.083	~~-.085~~	-.087	~~-.0[illegible]~~

Ps 301-309	11.951	10.755	10.784	11.161	11.733	12.21[illegible]	12.280	12.253	12.270			
Ps 201-206	12.212	12.191	12.073	12.209	11.941	11.846						
Ps 207-212	11.232	11.238	11.295	11.311	11.264	11.171						
Ps 213-224	10.361	n.a.	n.a.	9.764	11.195	11.530	11.669	11.669	11.648	12.141	12.598	12.756
Ps 225-236	13.737	11.835	10.250	10.150	10.707	11.608	11.779	11.816	11.8[illegible]	11.962	12.400	12.599
Ps 237-245	14.731	12.872	11.570	~~11.358~~	14.616	11.586	12.182	12.369	12.659			

Pcw = 12.079 L = .0247 Pcb = 11.252 Ptc/Pcw = 1.227 Wc = 2.02 T = 82. B = 29.96

Run 5-13 C1 I2 S2 B1 Eng 2 α=4° β=10° m/m' = .71 0.815

Pt/Pto 131-144

.999	.999	.999	.999	.999	.998	.999	.999	.999	.999	.996	.992	.981	.982

Cp 330-344

~~-.139~~	-.596	-.790	-.616	-.453	.337	-.302	-.675	-.843	-.763	-.666	-.727	-1.553	-.585	-1.191

Pt/Pto 101-130

.978	.985	.971	.941	.98[illegible]	.9[illegible]0	1.000	1.000	.999	.937
1.000	1.000	1.000	1.000	1.000	.9[illegible]3	1.000	1.000	1.000	1.000
1.000	.992	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.814 Ptc/Pto = .991 K = .0639

Cp 310-320

.194	~~-.574~~	.840	.605	.454	.186	-.032	-.166	-.237	-.179	-.137

Cp 321-329

.937	.747	.406	.223	.136	.006	~~-.080~~	~~-.087~~	~~-.088~~

Ps 301-309	11.879	10.803	10.786	11.030	11.625	12.205	12.262	12.242	12.263			
Ps 201-206	12.203	12.184	12.062	12.196	11.930	11.835						
Ps 207-212	11.222	11.227	11.284	11.300	11.252	11.160						
Ps 213-224	10.737	9.640	n.g.	9.888	11.221	11.540	11.670	11.665	11.639	12.130	12.589	12.748
Ps 225-236	13.586	11.649	10.072	10.009	10.616	11.549	11.732	11.778	11.789	11.951	12.394	12.592
Ps 237-245	14.748	12.903	11.619	~~11.156~~	14.654	11.593	12.181	12.362	12.653			

Pcw = 12.069 L = .0249 Pcb = 11.241 Ptc/Pcw = 1.227 Wc = 2.02 T = 83. B = 29.96

Run 5-14 C1 I2 S2 B1 Eng 2 α=4° β=4° m/m*=.721 0.810, 0.819

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 .999 .999 .995 .991 .984 .984

Cp 330-344
-.052 -.439 -.692 -.551 -.399 .387 -.282 -.665 -.827 -.750 -.647 -.523 -1.349 -.539 -1.160

Pt/Pto 101-130
.978 .979 .945 .926 .993 .991 1.000 1.000 .967 .939
1.000 1.000 1.000 1.000 .993 .954 1.000 1.000 1.000 1.000
1.000 .986 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999

Pto = 14.775 Pto/Pto = .988 K = .0745

Cp 310-320
.248 -.582 .869 .645 .497 .239 .038 -.094 -.171 -.137 -.078

Cp 311-329
.786 .936 .644 .455 .341 .169 -.040 -.040 -.040

Ps 301-309 11.533 10.826 14.717 10.932 11.607 12.214 12.278 12.259 12.289

Ps 201-206 12.223 12.197 12.075 12.200 11.952 11.858

Ps 207-212 11.248 11.253 11.313 11.329 11.280 11.196

Ps 213-224 10.913 9.775 n.s. 9.960 11.247 11.553 11.686 11.677 11.651 12.143 12.595 12.756

Ps 225-236 12.979 10.992 9.576 9.630 10.236 11.252 11.498 11.622 11.698 11.999 12.405 12.533

Ps 237-245 14.900 13.503 12.352 11.344 11.151 11.792 12.280 12.410 12.683

Pw = 12.084 L = .0247 Pb = 11.248 Pto/Pw = 1.223 Ws = 2.00 T = 83. R = 29.96

Run 5-15 C1 I_ S2 B1 Eng 2 α=4° β=-4° m/m'=.711 0.799, 0.819

Pt/Pto 131-144

1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000	1.000	1.000	.998	.994	.984	.984

Cp 330-344

-.218	-.303	-.620	-.538	-.406	.383	-.289	-.662	-.829	-.747	-.642	-.558	-1.455	-.511 -1.083

Pt/Pto 101-130

.977	.927	.950	.939	.998	.995	1.000	.910	.965	.950
1.000	1.000	1.000	.985	.978	.961	1.000	1.000	1.000	.996
.994	.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.732 Ptc/Pto = .965 K = .0741

Cp 310-320

.316	~~.605~~	.805	.590	.444	.205	.033	-.088	-.174	-.150	-.103

Cp 321-329

.245	.992	.867	.686	.565	.351	~~-.058~~	~~-.059~~	~~-.041~~

Ps 301-309	11.093	14.485	14.348	14.498	11.412	12.117	12.198	12.184	12.232			
Ps 201-206	12.188	12.145	12.057	12.174	11.921	11.821						
Ps 207-212	11.205	11.210	11.279	11.295	11.243	11.149						
Ps 213-224	11.165	9.977	9.525	10.041	11.236	11.521	11.622	11.592	11.551	12.040	12.504	12.680
Ps 225-236	12.113	10.367	10.156	10.177	10.488	10.622	10.738	10.909	11.092	11.900	12.301	12.499
Ps 237-245	14.924	14.177	13.191	~~11.[illegible]~~	11.665	11.996	12.302	12.368	12.632			

Pcw = 12.051 L = .0249 Pcb = 11.230 Ptc/Pcw = 1.222 Wc = 1.99 T = 83. B = 29.96

Run 5-1[illegible] C1 I[illegible] S2 B1 Eng [illegible] α=4° β=-10° m/m*=.[illegible] 0.790, 0.817

Pt/Pto 131-144

.999	.999	.999	.999	.999	.997	.999	1.000	.999	.999	.998	.995	.980	.981

Cp 330-344

~~[illegible]~~	-.260	-.[illegible]	-.5[illegible]	-.4[illegible]	.3[illegible]	-.324	-.675	-.831	-.754	-.656	-.7[illegible]	-1.818	-.526	-1.082

Pt/Pto 131-13[illegible]

.9[illegible]	.9[illegible]	.9[illegible]	.954	.999	.997	.9[illegible]	.9[illegible]	.955	.967
1.000	1.000	1.000	.940	.960	.966	1.000	1.[illegible]	1.000	.962
.975	.98[illegible]	1.000	1.000	1.000	.992	.997	1.[illegible]	1.000	1.000

Pt[illegible] = 14.[illegible]48 Pt[illegible]/Pt[illegible] = .979 K = .1044

Cp 310-3[illegible]

.216	-.[illegible]	.[illegible]	.4[illegible]	.322	.1[illegible]	-.[illegible]	-.157	-.244	-.218	-.20[illegible]

Cp 321-329

-.446	.8[illegible]	.909	.78[illegible]	.681	.45[illegible]	-.1[illegible]	-.11[illegible]	-.118	

Ps 301-309	14.619	14.17[illegible]	13.961	14.132	11.2[illegible]	12.063	12.066	12.0[illegible]8	12.128			
Ps 201-206	12.1[illegible]	12.09[illegible]	12.042	12.1[illegible]	11.870	11.760						
Ps 207-212	11.139	11.1[illegible]	11.240	11.[illegible]38	11.18[illegible]	11.08[illegible]						
Ps 213-224	11.300	10.113	9.64[illegible]	10.100	11.24[illegible]	11.504	11.577	11.522	11.459	11.89[illegible]	12.3[illegible]1	12.557
Ps 225-236	11.370	9.972	10.249	10.339	10.60[illegible]	10.614	10.618	10.667	10.754	11.573	12.106	12.376
Ps 237-245	14.8[illegible]0	14.519	13.671	~~11.[illegible]~~	11.99[illegible]	12.151	12.291	12.30[illegible]	12.549			

Pcw = 12.007 L = .[illegible]59 Pcb = 11.1[illegible] Ptc/Pcw = 1.220 W[illegible] = 1.9[illegible] T = 84. B = 29.97

Run 5-17 C1 IC S2 #1 Eng 2 α=-4° β=-10° m/m° = ~~.722~~ 0.793, 0.818

Pt/Pto 131-144

.999	.999	.999	.999	.999	.998	.999	1.000	.999	.999	.999	.996	.981	.982	

Cp 330-344

~~.361~~	-.073	-.429	-.438	-.363	.410	-.154	-.502	-.689	-.656	-.586	-.769	-1.852	-.476	-1.050

Pt/Pto 101-130

.973	.909	.954	.951	1.000	.997	1.000	.935	.963	.961
1.000	1.000	1.000	.959	.971	.964	1.000	1.000	1.000	.979
.986	.990	1.000	1.000	1.000	.998	.999	1.000	1.000	1.000

Ptc = 14.702 Ptc/Ptc = .983 K = .0923

Cp 310-320

-.044	~~.637~~	.756	.598	.464	.236	.063	-.059	-.151	-.174	-.155

Cp 321-329

-.083	.958	.914	.760	.644	.434	-.145	~~-.132~~	~~-.135~~	

Ps 301-309	10.900	14.313	14.100	14.424	11.534	12.138	12.159	12.140	12.213			
Ps 201-206	12.185	12.144	12.072	12.184	11.922	11.816						
Ps 207-212	11.205	11.215	11.283	11.299	11.247	11.150						
Ps 213-224	10.572	9.669	n.g.	9.900	11.211	11.498	11.602	11.571	11.528	11.995	12.454	12.639
Ps 225-236	11.747	10.170	10.296	10.255	10.633	10.685	10.718	10.801	10.915	11.758	12.233	12.462
Ps 237-245	14.806	14.521	13.671	~~11.654~~	12.004	12.174	12.342	12.372	12.620			

Pcw = 12.054 L = .0251 Pcb = 11.234 Ptc/Pcw = 1.220 Wc = 1.98 T = 84. B = 29.97

Run 5-18 C1 I2 S2 R1 Enr 2 α=-4° β=-4° m/m*=.711 0.804, 0.820

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000 .999 1.000 .999 .997 .984 .984

Cp 330-344
~~-.145~~ -.161 -.480 -.444 -.344 .468 -.118 -.480 -.676 -.642 -.570 -.530 -1.439 -.474 -1.070

Pt/Pto 101-130
.976 .943 .956 .937 .938 .995 1.000 .984 .972 .949
1.000 1.000 1.000 .999 .967 .965 1.000 1.000 1.000 1.000
.999 .993 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.785 Pto/Pto = .988 K = .0645

Cp 310-320
.018 ~~-.656~~ .920 .699 .583 .314 .115 -.016 -.115 -.122 -.093

Cp 321-329
.515 .995 .852 .589 .468 .270 ~~-.075~~ -.071 -.091

Ps 301-309 11.449 10.770 14.660 10.793 11.458 12.[illegible] 12.[illegible] 12.262 12.300

Ps 201-206 13.232 12.197 12.090 12.215 11.968 11.869

Ps 207-213 11.264 11.271 11.332 11.348 11.298 11.207

Ps 213-224 10.443 9.541 n.g. 9.836 11.216 11.531 11.660 11.655 11.630 12.129 12.579 12.745

Ps 225-236 12.441 10.552 9.701 9.961 10.385 10.761 11.031 11.25[illegible] 11.43[illegible] 12.005 12.386 12.569

Ps 237-245 14.921 14.183 13.193 ~~1.408~~ 11.673 12.025 12.353 12.433 12.694

Ptw = 12.095 L = .0246 Ptb = 11.287 Pte/Ptw = 1.222 Wc = 2.00 T = 95. R = 29.97

Run 5-19 C1 I: S2 R1 Eng [illegible] α=-4° β=4° m/m'= ~~.771~~ 0.808, 0.819

Pt/Pto 131-144
1.000 1.000 1.000 .999 1.000 .999 1.000 1.000 .999 .999 .998 .994 .984 .984

Cp 330-344
~~-0.1~~ -.366 -.616 -.526 -.412 .474 -.112 -.481 -.680 -.646 -.575 -.493 -1.325 -.529 -1.201

Pt/Pto 101-130
.976 .982 .948 .930 .990 .992 1.000 1.000 .982 .946
1.000 1.000 1.000 1.000 .990 .990 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.809 Ptc/Pto = .990 K = .0704

Cp 310-320
-.079 ~~.685~~ .921 .732 .587 .322 .091 -.058 -.154 -.144 -.120

Cp 321-329
.877 .798 .476 .282 .168 .016 ~~-.050~~ ~~-.051~~ -.051

Ps 301-309 11.856 10.909 10.862 11.197 11.803 12.278 12.314 12.292 12.321

Ps 201-206 12.251 12.229 12.100 12.235 11.983 11.885

Ps 207-212 11.286 11.290 11.348 11.307 11.317 11.226

Ps 213-224 10.171 n.g. n.g. 9.737 11.216 11.560 11.702 11.707 11.691 12.183 12.629 12.785

Ps 225-236 13.295 11.320 9.709 9.816 10.502 11.478 11.692 11.764 11.799 12.008 12.439 12.625

Ps 237-245 14.895 13.477 12.303 ~~11.583~~ 11.138 11.797 12.303 12.440 12.712

Pcw = 12.114 L = .0247 P b = 11.306 Ptc/Pcw = 1.222 Wc = 2.00 T = 85. B = 29.97

Run 5-20 C1 I2 S2 B1 Enz 2 α=-4° β=10° m/m*=.~~711~~ 0.812, 0.817

Pt/Pto 131-144

.999	.999	.999	.999	.999	.999	.999	.999	.999	.999	.998	.993	.982	.982

Cp 330-344

~~-.113~~	-.571	-.763	-.638	-.519	.426	-.134	-.498	-.697	-.665	-.595	-.712	-1.557	-.596	-1.251

Pt/Pto 101-130

.975	.985	.976	.952	.979	.988	1.000	1.000	1.000	.947
1.000	1.000	1.000	1.000	1.000	.966	1.000	1.000	1.000	1.000
1.000	.997	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.837 Ptc/Pto = .992 K = .0539

Cp 310-320

-.225	~~-.693~~	.843	.677	.527	.246	-.001	-.157	-.250	-.230	-.216

Cp 321-329

.874	.516	.163	.010	-.080	-.188	~~-.110~~	~~-.110~~	-.113

Ps 301-309 12.074 10.783 10.831 11.254 11.799 12.238 12.313 12.271 12.288

Ps 201-206 12.228 12.205 12.088 12.228 11.953 11.858

Ps 207-212 11.249 11.257 11.314 11.330 11.279 11.190

Ps 213-224 9.946 n.a. n.a. 9.643 11.170 11.519 11.670 11.675 11.658 12.155 12.612 12.768

Ps 225-236 13.865 12.014 10.425 10.289 10.783 11.675 11.830 11.852 11.847 11.977 12.415 12.613

Ps 237-245 14.729 12.862 11.554 ~~11.38~~ 14.597 11.585 12.190 12.379 12.669

Pcw = 12.093 L = .0249 Pcb = 11.270 Ptc/Pcw = 1.227 We = 2.01 T = 86. B = 29.97

Run 5-21 C1 I2 S2 B1 Enz 2 α=0° β=0° m/m' = ~~.737~~ 0.808, 0.820

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 1.000 .998 .994 .986 .984

Cp 330-344
~~.147~~ -.310 -.599 -.524 -.384 .439 -.198 -.571 -.757 -.701 -.614 -.492 -1.370 -.519 -1.144

Pt/Pto 101-130
.976 .961 .953 .934 .997 .992 1.000 .997 .968 .947
1.000 1.000 1.000 1.000 .989 .962 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.791 Ptc/Pto = .989 K = .0663

Cp 310-320
.093 ~~.667~~ .906 .685 .542 .285 .082 -.055 -.145 -.125 -.087

Cp 321-329
.689 .950 .733 .509 .395 .211 ~~-.040~~ ~~-.041~~ ~~-.038~~

Ps 301-309 11.524 10.849 10.740 10.887 11.546 12.218 12.289 12.273 12.306

Ps 201-206 12.237 12.205 12.089 12.218 11.969 11.873

Ps 207-212 11.267 11.273 11.332 11.349 11.300 11.210

Ps 213-224 10.654 9.638 n.a. 9.887 11.228 11.543 11.679 11.674 11.651 12.145 12.598 12.759

Ps 225-236 12.727 10.776 9.560 9.790 10.327 11.024 11.278 11.457 11.590 12.009 12.400 12.586

Ps 237-245 14.926 13.885 12.815 ~~11.380~~ 11.457 11.925 12.330 12.427 12.698

Pcw = 12.098 L = .0246 Pcb = 11.288 Ptc/Pcw = 1.223 We = 2.00 T = 86. B = 29.97

Run 1-11 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=.338 0.374

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .998

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.003 -.000 -.002

Pt/Pto 101-130
.985 .975 .991 .996 .998 .997 .988 .977 .993 1.000
1.000 1.000 .991 .979 .992 1.000 1.000 1.000 .995 .983
.991 1.001 1.001 1.001 1.000 .993 .996 1.000 1.001 1.001

Ptc = 14.416 Ptc/Pto = .994 K = .0260

Cp 310-320
-.022 -.007 -.003 -.002 -.001 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.020 -.006 -.002 -.001 -.001 -.000 -.000 -.000 -.000

Ps 301-309 13.989 13.378 16.359 13.635 13.874 14.021 14.002 13.984 14.001

Ps 201-206 13.990 13.979 13.980 13.972 13.919 13.930

Ps 207-212 13.813 13.830 13.848 13.830 13.821 13.806

Ps 213-224 12.935 13.433 13.486 13.552 13.619 13.640 13.699 13.760 13.809 13.933 13.987 14.344

Ps 225-236 13.218 13.366 13.548 13.669 13.716 13.720 13.722 13.736 14.215 13.948 13.951 14.002

Ps 237-245 14.491 14.301 14.108 13.343 14.181 14.254 13.991 14.105 14.055

Pcw = 13.962 L = .0049 Pcb = 13.925 Ptc/Pcw = 1.033 Mc = .91 T = 58. B = 29.50

Run 1-12 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=.338 0.374

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .999 .999

Cp 330-344
-.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.003 -.001 -.003

Pt/Ptc 101-130
.986 .974 .989 .998 .997 .997 .989 .974 .990 1.000
.999 .999 .991 .976 .987 .999 .992 1.000 .995 .981
.986 1.000 1.000 1.000 .999 .991 .993 1.000 1.000 1.000

Ptc = 14.400 Ptc/Ptc = .993 K = .0266

Cp 310-320
-.019 -.006 -.003 -.002 -.001 -.000 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.021 -.008 -.003 -.001 -.001 -.001 -.000 -.000 -.000

Ps 301-309 13.947 13.354 ~~16.358~~ 13.556 13.819 13.905 13.994 13.967 13.987

Ps 201-206 13.986 13.970 13.970 13.969 13.914 13.922

Ps 207-212 13.905 13.990 13.941 13.815 13.808 13.791

Ps 213-224 13.539 13.526 13.530 13.524 13.528 13.552 13.615 13.698 13.770 13.834 13.881 14.345

Ps 225-236 13.176 13.322 13.443 13.635 13.696 13.701 13.702 13.709 ~~14.267~~ 13.842 13.939 13.988

Ps 237-245 14.489 14.277 14.089 ~~13.435~~ 14.177 ~~14.255~~ 13.976 ~~14.092~~ 14.040

Pcw = 13.965 L = .0050 Pcb = 13.813 Ptc/Pcw = 1.032 Wc = .00 T = 58. E = 29.50

Run 1-9 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=.474 0.518

Pt/Pto 131-144
~~.000~~ 1.000 1.000 ~~.996~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .998 .997

Cp 330-344
-.000 -.000 -.000 .000 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.005 -.001 -.005

Pt/Pto 101-130
.974 .953 .978 .993 .994 .994 .989 .958 .994 .999
1.000 1.000 .995 .995 .992 1.000 1.000 1.000 .998 .974
.981 1.000 1.000 1.000 1.000 .990 .993 1.000 1.000 1.000

Pto = 14.343 Pte/Pto = .990 K = .0480

Cp 310-320
-.048 -.015 -.006 -.004 -.002 -.001 -.000 .000 .000 .000 .000

Cp 321-329
-.042 -.014 -.005 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.374 12.172 ~~16.224~~ 12.521 13.001 13.447 13.447 13.398 13.426

Ps 201-206 13.409 13.387 13.397 13.372 13.256 13.070

Ps 207-212 13.023 13.048 13.067 13.059 13.050 13.008

Ps 213-224 10.855 11.007 12.074 12.385 12.629 12.819 12.953 13.043 13.096 13.398 13.442 14.151

Ps 225-236 11.761 11.994 12.350 12.652 12.865 12.976 12.882 12.890 ~~13.870~~ 13.152 13.345 13.454

Ps 237-245 14.474 14.047 13.633 ~~12.957~~ 13.809 13.966 13.427 ~~13.650~~ 13.548

Pcv = 13.347 L = .0107 Peb = 13.046 Pte/Pcv = 1.075 Mc = 1.31 T = 58. E = 29.48

Run 1-10 C1 I2 S2 E0 Eng 2 α=0° β=0° m/m*=~~.624~~ 0.518

P-/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .998 .997

Cp 330-344

-.000 -.000 -.000 -.000 ~~-.001~~ -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.005 -.001 -.005

Pt/Pto 101-130

.971 .953 .983 .991 .999 .994 .992 .958 .986 .999
1.000 1.000 .999 .984 .982 1.000 1.000 1.000 1.000 .973
.982 1.000 1.000 1.000 1.000 .990 .993 1.000 1.000 1.000

Ptc = 14.355 Ptc/Pto = .990 K = .0474

Cp 310-320

-.051 -.016 -.006 -.004 -.002 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.042 -.014 -.004 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.115 12.143 ~~16.854~~ 12.590 13.145 13.491 13.464 13.412 13.430

Ps 201-206 13.429 13.407 13.402 13.387 13.268 13.285

Ps 207-212 13.044 13.062 13.092 13.050 13.066 13.032

Ps 213-224 10.093 11.475 11.808 12.377 12.787 12.972 13.069 13.106 13.120 13.272 13.427 14.201

Ps 225-236 11.814 12.137 12.662 12.829 12.857 12.955 12.855 12.962 ~~13.983~~ 13.111 13.327 13.447

Ps 237-245 14.479 14.097 13.690 ~~13.080~~ ~~13.996~~ ~~14.058~~ 13.449 13.684 13.549

Pcv = 13.363 L = .0112 Pcb = 13.057 Ptc/Pcv = 1.074 Wc = 1.31 T = 58. B = 29.49

Run 1-3 C1 I2 B0 S2 Eng 2 α=0° β=0° m/m*=.540 0.594

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .997 .996

Cp 330-344

-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.007 -.001 -.007

1pt/Pto 101-130

.964 .937 .974 .987 .996 .990 .993 .942 .983 1.000
1.000 .999 .998 .949 .985 1.000 1.000 1.000 .999 .961
.985 1.000 1.000 1.000 1.000 .985 .995 1.002 1.001 1.000

Ptc = 14.310 Ptc/Pto = .987 K = .0657

Cp 310-320

-.065 -.021 -.009 -.005 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.053 -.018 -.005 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.153 11.455 15.934 12.049 12.743 13.116 13.104 13.050 13.067

Ps 201-206 13.073 13.042 13.036 13.017 12.862 12.882

Ps 207-212 12.552 12.594 12.637 12.606 12.590 12.538

Ps 213-224 n.g. 10.567 10.956 11.710 12.251 12.500 12.622 12.665 12.675 12.924 13.127 14.017

Ps 225-236 10.954 11.229 11.667 12.069 12.371 12.377 12.366 12.368 13.603 12.717 12.986 13.137

Ps 237-245 14.465 13.907 13.380 12.651 13.598 13.827 13.112 13.394 13.257

Pcv = 12.985 L = .0148 Pct = 12.586 Ptc/Pcv = 1.102 Wc = 1.49 T = 58. B = 29.48

Run 1-4 C1 I2 B0 S2 Eng 2 α=0° β=0° m/m*=.540 0.594

Pt Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.997~~ .997

Cp 330-344
.000 -.000 -.000 -.000 ~~-.001~~ -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.007 -.001 -.007

Pt/Pto 101-130
.965 .937 .970 .987 .996 .994 .988 .944 .979 .999
.999 1.000 .996 .952 .979 1.000 1.000 1.000 .998 .963
.978 1.000 1.000 1.000 1.000 .985 .992 1.001 1.000 1.001

Ptc = 14.299 Ptc/Pto = .967 K = .0042

Cp 310-320
-.063 -.020 -.008 -.005 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.055 -.019 -.006 -.003 -.002 -.001 -.000 -.000 -.000

Ps 301-309 13.011 11.452 ~~15.975~~ 11.967 12.069 13.106 13.101 13.046 13.073

Ps 201-206 13.061 13.031 13.024 13.005 12.852 12.866

Ps 207-212 12.541 12.579 12.631 12.585 12.574 12.518

Ps 213-224 9.584 10.944 11.140 11.717 12.095 12.390 12.529 12.604 12.639 12.903 13.106 14.014

Ps 225-236 10.922 11.221 11.732 12.112 12.334 12.340 12.328 12.331 ~~12.590~~ 12.693 12.974 13.122

Ps 237-245 14.463 13.892 13.347 ~~12.570~~ ~~12.560~~ ~~13.016~~ 13.085 13.370 13.235

Pcv = 12.973 L = .0146 Pcb = 12.573 Ptc/Pcv = 1.102 Wc = 1.49 T = 58. E = 29.48

Run 1-1 C1 I2 I0 S2 Eng 3 α=0° β=0° m/m*=~~.600~~ 0.672

Pt/Pto 131-144
1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.996~~ .995

Cp 330-344
.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.009 -.001 -.009

Pt/Pto 101-130
.964 .021 .003 .980 .985 .988 .995 .991 .993 .999
.999 .999 .999 .999 .992 .999 .999 .999 .999 .992
.994 1.001 1.001 1.000 1.000 .001 .003 1.001 1.001 1.000

Ptc = 14.263 Ptc/Pto = .984 Y = .0816

Cp 310-320
-.076 -.023 -.010 -.005 -.003 -.001 -.000 -.000 -.000 -.000 -.000

Cp 301-309
-.069 -.023 -.008 -.004 -.003 -.001 -.000 -.000 -.000

Ps 301-309 12.539 12.637 ~~15.722~~ 11.124 12.086 12.659 12.051 12.571 12.617

Ps 201-206 12.521 12.574 12.567 12.545 12.343 12.360

Ps 207-212 11.928 11.966 12.038 11.987 11.963 11.901

Ps 213-224 n.a. 9.565 9.903 10.855 11.600 11.899 12.044 12.091 12.093 12.414 12.707 13.843

Ps 225-236 9.924 10.215 10.659 11.148 11.711 11.768 11.749 11.751 ~~13.407~~ 12.168 12.513 12.711

Ps 237-245 14.468 13.692 12.983 ~~12.745~~ 13.290 13.590 12.656 13.030 12.854

Pcw = 12.502 L = .0195 Pcb = 11.904 Ptc/Pcw = 1.141 Wc = 1.69 T = 58. B = 29.49

Run 1-2 C1 I2 B0 S2 Eng 2 α=0° β=0° m/m*=.610 0.671

P-/Pto 131-144
~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .996 .995

Cp 330-344
-.000 -.000 -.000 -.000 ~~-.001~~ -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.009 -.001 -.009

Pt/Pto 101-130
.956 .916 .962 .981 .993 .993 .981 .922 .974 .998
1.000 1.000 .990 .929 .972 1.000 1.000 1.000 .997 .943
x970 1.001 1.001 1.001 1.000 .973 .987 1.000 1.000 1.001

Ptc = 14.221 Ptc/Pto = .981 K = .0870

Cp 310-320
-.076 -.024 -.011 -.006 -.004 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329
-.073 -.025 -.008 -.005 -.003 -.001 -.000 -.000 -.000

Ps 301-309 12.536 10.511 ~~15.761~~ 11.096 12.080 12.631 12.613 12.543 12.586

Ps 201-206 12.585 12.536 12.527 12.510 12.307 12.327

Ps 207-212 11.881 11.954 12.027 11.936 11.910 11.846

Ps 213-224 n.g. 10.059 10.321 10.856 11.370 11.593 11.813 11.954 12.034 12.378 12.629 13.806

Ps 225-236 9.800 10.170 10.691 11.240 11.657 11.676 11.657 11.662 ~~13.818~~ 12.099 12.453 12.658

Ps 237-245 14.456 13.791 13.084 ~~12.625~~ 13.268 ~~13.554~~ 12.601 12.991 12.825

Pcw = 12.465 L = .0195 Pcb = 11.925 Ptc/Pcw = 1.141 Wc = 1.68 T = 60. E = 29.48

Run 1-15 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=.610 0.670

Pt/Pto 131-144

1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 .995 .995

Cp 330-344

-.000 -.000 -.000 -.000 -.001 -.000 -.000 -.000 -.000 -.000 -.000 -.001 -.009 -.001 -.008

Pt/Pto 101-130

.955 .918 .966 .982 .993 .994 .991 .928 .975 .998
1.000 1.000 .999 .938 .971 1.000 1.000 1.000 1.000 .953
.971 1.000 1.000 1.000 .999 .979 .989 1.000 1.000 .999

Ptc = 14.390 Ptc/Pto = .983 K = .0829

Cp 310-320

-.085 -.027 -.012 -.006 -.004 -.001 -.000 -.000 -.000 -.000 -.000

Cp 321-329

-.075 -.027 -.009 -.005 -.003 -.001 -.000 -.000 -.000

Ps 301-309 12.389 10.682 13.543 11.179 12.184 12.793 12.748 12.667 12.680

Ps 201-206 12.752 12.711 12.651 12.667 12.493 12.491

Ps 207-212 12.074 12.121 12.158 12.110 12.097 12.043

Ps 213-224 n.g. 9.502 10.023 11.025 11.710 12.003 12.168 12.228 12.240 12.557 12.828 12.953

Ps 225-236 9.962 10.427 10.968 11.491 11.855 11.869 11.854 11.861 11.880 12.293 12.643 12.839

Ps 237-245 14.605 13.912 13.216 12.768 12.340 12.606 12.797 12.823 12.988

Pcv = 12.627 L = .0181 Pcb = 12.100 Ptc/Pcv = 1.140 Mc = 1.68 T = 70. B = 29.77

Run 1-18 C1 I2 S2 B0 Eng 2 α=0° β=0° m/m*=.677 0.741

Pt/Pto 131-144

~~1.000~~ 1.000 1.000 ~~1.000~~ 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000 ~~.994~~ .994

Cp 330-344

~~-.000~~ -.000 -.000 -.000 -.001 .000 -.000 -.000 -.000 -.000 -.000 -.002 -.011 -.002 -.010

Pt/Pto 101-130

.931	.891	.966	.984	.990	.994	.945	.897	.977	.998
1.000	1.000	.957	.907	.973	1.000	1.000	1.000	.977	.928
.972	1.000	1.000	1.000	.997	.967	.987	1.000	1.000	1.000

Ptc = 14.256 Ptc/Pto = .974 K = .1121

Cp 310-320

-.095 -.032 -.015 -.008 -.005 -.002 -.001 -.000 -.000 -.000 -.000

Cp 321-329

-.089 -.032 -.011 -.005 -.003 -.001 ~~-.000~~ ~~-.000~~ ~~-.000~~

Ps 301-309 11.896 13.432 ~~13.476~~ 14.363 11.708 12.116 12.110 12.034 12.085

Ps 201-206 12.154 12.095 12.023 12.066 11.826 11.833

Ps 207-212 11.268 11.355 11.397 11.352 11.286 11.211

Ps 213-224 n.g. 9.596 9.813 10.137 10.548 10.704 11.004 11.278 11.468 ~~11.960~~ 12.240 12.406

Ps 225-236 n.g. n.g. 9.585 10.110 10.962 11.091 11.066 11.076 11.087 11.606 12.043 12.285

Ps 237-245 14.588 13.658 12.733 ~~11.979~~ 11.501 11.868 12.154 12.242 12.488

Pcv = 12.000 L = .0230 Pcb = 11.312 Ptc/Pcv = 1.188 Wc = 1.85 T = 71. B = 29.76

Tabulated Data for Configuration C2 I1 S1 B1

(q = 33.3)

Run 36-1 C2 I1 S1 B1 Eng 2 α=0° β=0° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144

.999 1.000 .999 .997 .992 .988 .999 .999 .999 .998 .993 .988 .978 .981

Cp 330-344

.111 -.216 -.388 -.501 -.355 .387 -.137 -.359 -.499 -.632 -.619 -.586 -1.097 -.537 -.893

Pt/Pto 101-130

.972 .974 .961 .954 1.000 1.000 1.000 1.000 .981 .958

1.000 1.000 1.000 1.000 .999 .964 1.000 1.000 1.000 1.000

1.000 .984 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.757 Ptc/Pto = .992 K = .0470

Cp 310-320

.786 ~~-.738~~ .764 .507 .352 .071 -.099 -.101 -.1.7 -.101 -.080

Cp 321-329

.821 1.004 .747 .476 .363 .138 -.008 -.040 -.106

Ps 301-309 12.031 11.114 11.599 12.042 12.372 12.729 12.858 12.914 12.955

Ps 201-206 12.778 12.843 12.881 12.813 12.497 12.540

Ps 207-212 12.174 12.236 12.271 12.245 12.182 12.105

Ps 213-224 13.589 11.731 11.288 11.043 11.152 11.959 12.106 12.202 12.235 13.138 ~~13.163~~ 13.097

Ps 225-236 13.766 12.347 10.960 10.512 10.440 10.771 11.638 11.722 11.842 12.735 13.120 13.345

Ps 237-245 14.168 14.168 14.167 14.170 14.167 13.228 12.661 12.545 12.502

Pcw = 12.725 L = .0260 Pcb = 12.202 Ptc/Pcw = 1.160 Wc = 1.82 T = 61. B = 29.81

Run 36-2 C2 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=.677 0.732

Pt/Pto 131-144
1.000 1.000 1.000 .999 .995 .991 .999 1.000 1.000 1.000 .997 .991 .979 .981

Cp 330-344
.117 -.134 -.293 -.433 -.312 .509 .071 -.147 -.299 -.460 -.479 -.527 -1.094 -.482 -.890

Pt/Pto 101-130
.970 .972 .964 .954 1.000 1.000 1.000 1.000 .991 .959
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .990 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.755 Ptc/Pto = .992 K = .0470

Cp 310-320
.404 ~~-.747~~ .890 .698 .548 .254 .007 -.018 -.070 -.072 -.073

Cp 321-329
.855 .886 .534 .278 .173 -.021 -.135 -.125 -.146

Ps 301-309 12.300 1_.158 11.712 12.166 12.469 12.682 12.804 12.872 12.909

Ps 201-206 12.733 12.795 12.841 12.767 12.440 12.491

Ps 207-212 12.114 12.178 12.215 12.186 12.119 12.041

Ps 213-224 13.106 11.242 10.897 10.778 10.943 11.872 12.025 12.137 12.175 13.103 ~~13.159~~ 13.058

Ps 225-236 13.958 12.594 11.139 10.626 10.480 10.804 11.629 11.690 11.798 12.688 13.102 13.357

Ps 237-245 14.157 14.159 14.159 14.160 14.158 13.185 12.817 12.498 12.452

Pcw = 12.678 L = .0271 Pcb = 12.142 Ptc/Pcw = 1.164 Wc = 1.84 T = 63. B = 29.79

Run 36-3 C2 I1 S1 B1 Eng 2 α=-20° β=0° m/m*=.677 0.739, 0.730

Pt/Pto 131-144
1.000 1.000 1.000 1.000 .998 .994 .999 1.000 1.000 1.000 .999 .994 .980 .981

Cp 330-344
.104 -.042 -.175 -.331 -.249 .650 .318 .125 -.032 -.203 -.254 -.387 -1.020 -.352 -.801

Pt/Pto101-130
.968 .973 .959 .957 1.000 1.000 1.000 1.000 .997 .967
1.000 1.000 1.000 1.000 1.000 .980 1.000 1.000 1.000 1.000
1.000 .997 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.775 Ptc/Pto = .993 K = .0432

Cp 310-320
-.174 ~~-726~~ .987 .865 .740 .456 .137 .087 .038 .005 -.020

Cp 321-329
.782 .713 .313 .050 -.044 -.221 -.325 -.282 -.265

Ps 301-309 12.660 11.320 12.003 12.441 12.670 12.740 12.857 12.924 12.964

Ps 201-206 12.783 12.848 12.900 12.817 12.493 12.544

Ps 207-212 12.173 12.236 12.275 12.248 12.182 12.106

Ps 213-224 12.521 10.791 10.594 10.645 10.852 11.887 12.060 12.181 12.227 13.143 ~~13.170~~ 13.097

Ps 225-236 14.112 12.840 11.415 10.881 10.687 10.984 11.746 11.794 11.887 12.738 13.151 13.416

Ps 237-245 14.189 14.189 14.190 14.190 14.189 13.229 12.865 12.552 12.508

Pcv = 12.731 L = .0275 Pcb = 12.203 Ptc/Pcv = 1.161 Wc = 1.82 T = 64. B = 29.80

Run 36-4 C2 I1 S1 B1 Eng ≥ α=10° β=0° m/m*=.677 0.727, 0.731

Pt/Pto 131-144
.999 .998 .996 .993 .989 .986 .998 .998 .996 .993 .989 .985 .976 .979

Cp 330-344
.076 -.293 -.464 -.547 -.393 .285 -.304 -.512 -.621 -.718 -.674 -.583 -1.064 -.536 -.865

Pt/Pto 101-130
.974 .968 .963 .951 1.000 1.000 1.000 .996 .977 .954
1.000 1.000 1.000 .999 .994 .957 1.000 1.000 1.000 1.000
1.000 .973 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.732 Ptc/Pto = .990 K = .0497

Cp 310-320
.891 ~~-709~~ .575 .336 .194 -.055 -.137 -.127 -.130 -.087 -.053

Cp 321-329
.571 .990 .852 .630 .510 .261 .041 -.043 -.142

Ps 301-309 11.646 10.835 11.340 11.808 12.180 12.661 12.799 12.858 12.895

Ps 201-206 12.720 12.786 12.825 12.757 12.430 12.479

Ps 207-212 12.100 12.160 12.202 12.173 12.108 12.031

Ps 213-224 13.909 12.054 11.529 11.158 11.203 11.913 12.075 12.157 12.180 13.085 ~~13.129~~ 13.049

Ps 225-236 13.428 1 .972 10.640 10.264 10.302 10.664 1..486 11.627 11.778 12.651 13.021 13.253

Ps 237-245 14.146 14.149 14.147 14.152 14.150 13.171 12.798 12.476 12.436

Pcw = 12.666 L = .0268 Pcb = 12.129 Ptc/Pcw = 1.163 Wc = 1.83 T = 65. B = 29.80

Run 36-5 C2 I1 S1 B1 Eng 2 α=20° β=0° m/m*=.677 0.730, 0.733

Pt/Pto 131-144
.999 .998 .995 .992 .989 .986 .998 .998 .996 .993 .990 .986 .976 .979

Cp 330-344
.022 -.353 -.510 -.561 -.421 .228 -.391 -.587 -.661 -.721 -.652 -.527 -1.039 -.491 -.840

Pt/Pto 101-130
.975 .954 .947 .956 1.000 1.000 1.000 .979 .958 .956
1.000 1.000 1.000 .991 .978 .960 1.000 1.000 1.000 .999
.995 .977 1.000 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.691 Ptc/Pto = .987 K = .0543

Cp 310-320
.903 ~~-.742~~ .439 .232 .105 -.104 -.117 -.091 -.092 -.051 -.037

Cp 321-329
.100 .886 .881 .723 .607 .331 .026 -.108 -.236

Ps 301-309 11.626 10.967 11.132 11.430 11.772 12.596 12.737 12.792 12.835

Ps 201-206 12.658 12.726 12.769 12.702 12.362 12.410

Ps 207-212 12.018 12.082 12.127 12.092 12.028 11.951

Ps 213-224 14.105 12.279 11.700 11.241 11.231 11.850 12.043 12.111 12.125 13.024 ~~13.089~~ 12.990

Ps 225-236 12.951 11.502 10.273 10.018 10.164 10.713 11.365 11.544 11.710 12.565 12.936 13.174

Ps 237-245 14.145 14.146 14.144 14.148 14.145 13.114 12.730 12.394 12.361

Pcv = 12.605 L = .0277 Pcb = 12.049 Ptc/Pcv = 1.165 Wc = 1.83 T = 65. B = 29.80

Run 36-6 C2 I1 S1 B1 Eng 2 α=0° β=-10° m/m*=.677 0.731, 0.735

Pt/Pto 131-144

.999	.999	.999	.997	.992	.988	.999	.999	.999	.999	.994	.989	.976	.979

Cp 330-344

.291	-.051	-.274	-.474	-.429	.313	-.177	-.399	-.535	-.653	-.653	-.649	-1.188	-.599 -1.030

Pt/Pto 101-130

.967	.921	.969	.966	1.000	1.000	1.000	.934	.976	.962
1.000	1.000	1.000	.947	.972	.966	1.000	1.000	1.000	.966
.980	.984	1.000	1.000	1.000	.994	.997	.999	1.000	1.000

Ptc = 14.627 Ptc/Pto = .983 K = .0801

Cp 310-320

.453	~~-.740~~	.596	.409	.270	-.000	-.187	-.206	-.212	-.185	-.167

Cp 321-329

-.122	.866	.962	.823	.712	.450	.189	.082	-.032

Ps 301-309 11.380 14.037 10.822 11.445 11.975 12.430 12.532 12.558 12.641

Ps 201-206 12.516 12.602 12.629 12.558 12.197 12.246

Ps 207-212 11.829 11.912 11.976 11.905 11.832 11.757

Ps 213-224 13.361 11.351 10.866 10.573 10.679 11.610 11.769 11.877 11.910 12.842 ~~12.965~~ 12.837

Ps 225-236 12.639 11.117 9.932 9.844 10.192 10.713 11.100 11.315 11.471 12.229 12.658 12.941

Ps 237-245 14.117 14.118 14.117 14.120 14.118 12.898 12.554 12.181 12.164

Pcw = 12.456 L = .0296 Pcb = 11.868 Ptc/Pcw = 1.174 Wc = 1.86 T = 65. B = 29.80

Run 36-7 C2 I1 S1 B1 Eng 2 α=0° β=10° m/m*=~~.677~~ 0.737, 0.728

Pt/Pto 131-144

.999 1.000 1.000 .998 .993 .989 .997 .998 .998 .997 .992 .986 .977 .980

Cp 330-344

-.225 -.520 -.638 -.684 -.461 .334 -.186 -.393 -.521 -.677 -.648 -.627 -1.186 -.597 -.924

Pt/Pto 101-130

.975 .984 .983 .944 .996 1.000 1.000 1.000 1.000 .955
1.000 1.000 1.000 1.000 1.000 .969 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.777 Ptc/Pto = .993 K = .0562

Cp 310-320

.785 ~~-.711~~ .693 .463 .298 .010 -.150 -.147 -.204 -.183 -.173

Cp 321-329

.955 .641 .192 -.013 -.075 -.197 -.220 -.181 -.165

Ps 301-309 12.584 11.434 12.113 12.483 12.663 12.719 12.818 12.894 12.927

Ps 201-206 12.736 12.799 12.862 12.774 12.453 12.501

Ps 207-212 12.126 12.187 12.216 12.196 12.133 12.053

Ps 213-224 13.663 11.915 11.502 11.277 11.366 12.056 12.206 12.267 12.269 13.115 ~~13.066~~ 13.071

Ps 225-236 14.461 13.344 12.012 11.433 11.095 11.377 11.890 11.912 11.963 12.717 13.135 13.426

Ps 237-245 14.135 14.133 14.135 14.138 14.133 13.175 12.824 12.517 12.471

Pcw = 12.687 L = .0277 Pcb = 12.152 Ptc/Pcw = 1.165 Wc = 1.84 T = 65. B = 29.80

Run 37-1 C2 I1 S1 B1 Eng 2 α=0° β=0° m/m*=.711 0.822, 0.318

Pt/Pto 131-144

.999	.999	.999	.997	.992	.988	.999	.999	.999	.998	.993	.988	.975	.979

Cp 330-344

.104	-.230	-.403	-.526	-.402	.377	-.153	-.385	-.524	-.669	-.668	-.689	-1.393	-.632	-1.141

Pt/Pto 101-130

.960	.957	.955	.942	.999	1.000	1.000	.998	.967	.943
1.000	1.000	1.000	1.000	.990	.945	1.000	1.000	1.000	1.000
1.000	.971	1.000	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.690 Ptc/Pto = .987 K = .0590

Cp 310-320

.424	~~-.714~~	.822	.603	.442	.138	-.072	-.087	-.114	-.099	-.076

Cp 321-329

.545	.978	.796	.561	.439	.197	.018	-.024	-.098

Ps 301-309	11.180	13.471	14.279	10.914	11.397	11.912	12.084	12.160	12.210	
Ps 201-206	11.947	12.040	12.086	11.998	11.565	11.628				
Ps 207-212	11.083	11.175	11.231	11.173	11.071	10.970				
Ps 213-224	12.989	10.637	10.048	9.620	9.679	10.721	11.052	11.188	11.227	12.476 ~~12.689~~ 12.412
Ps 225-236	13.263	11.549	9.708	n.g.	n.g.	n.g.	10.409	10.555	10.756	11.924 12.400 12.700
Ps 237-245	13.976	13.977	13.978	13.981	13.977	12.555	12.090	11.650	11.600	

Pcw = 11.877 L = .0355 Pcb = 11.117 Ptc/Pcw = 1.237 Wc = 2.06 T = 65. B = 29.80

Run 37-2 C2 I1 S1 B1 Eng 2 α=-10° β=0° m/m*=.711 0.817, 0.820

Pt/Pto 131-144

.999	.999	1.000	.999	.995	.990	.999	.999	.999	1.000	.997	.991	.976	.980

Cp 330-344

.114	-.143	-.306	-.453	-.352	.500	.061	-.156	-.317	-.484	-.515	-.621	-1.373	-.568	-1.115

Pt/Pto 101-130

.959	.960	.948	.943	.939	1.000	1.000	1.000	.967	.947
1.000	1.000	1.000	1.000	.995	.958	1.000	1.000	1.000	1.000
1.000	.985	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.708 Ptc/Pto = .989 K = .0581

Cp 310-320

-.004	~~-.716~~	.934	.767	.621	.311	.024	-.005	-.057	-.067	-.076

Cp 321-329

.682	.916	.638	.364	.240	.026	-.109	-.110	-.138

Ps 301-309 11.606 13.819 14.521 11.113 11.569 11.969 12.124 12.203 12.262

Ps 201-206 11.995 12.084 12.134 12.045 11.612 11.675

Ps 207-212 11.142 11.232 11.288 11.232 11.130 11.033

Ps 213-224 12.473 10.174 9.706 n.g. 9.616 10.716 11.076 1 .226 11.272 12.519 ~~12.629~~ 12.452

Ps 225-236 13.526 11.840 9.991 n.g. n.g. n.g. 10.560 10.649 10.801 11.992 12.495 12.786

Ps 237-245 13.994 13.994 13.995 13.995 13.993 12.597 12.138 11.706 11.654

Pcw = 11.924 L = .0355 Pcb = 11.176 Ptc/Pcw = 1.233 Wc = 2.05 T = 65. B = 29.80

Run 37-3 C2 I1 S1 B1 Eng 2 α=10° β=0° m/m*=.711 0.808

Pt/Pto 131-144
.999 .999 .997 .993 .989 .986 .998 .998 .996 .993 .988 .984 .973 .977

Cp 330-344
.078 -.300 -.476 -.577 -.439 .284 -.311 -.529 -.644 -.748 -.716 -.681 -1.351 -.627 -1.102

Pt/Pto 101-130
.966 .926 .955 .951 1.000 1.000 1.000 .950 .966 .947
1.000 1.000 1.000 .969 .977 .938 1.000 1.000 1.000 .989
.993 .952 1.000 1.000 1.000 1.000 1.000 .997 1.000 1.000

Ptc = 14.623 Ptc/Pto = .983 K = .0760

Cp 310-320
.708 ~~.700~~ .695 .386 .235 -.022 -.108 -.087 -.118 -.077 -.046

Cp 321-329
.263 .976 .916 .705 .579 .313 .066 -.023 -.131

Ps 301-309 10.669 13.152 14.101 10.811 11.336 11.903 12.096 12.165 12.211

Ps 201-206 11.959 12.053 12.099 12.008 11.576 11.636

Ps 207-212 11.095 11.187 11.246 11.194 11.086 10.985

Ps 213-224 13.411 11.088 10.421 9.874 9.869 10.875 11.110 11.220 11.247 12.467 ~~12.546~~ 12.415

Ps 225-236 12.913 11.189 9.474 n.g. n.g. n.g. 10.249 10.547 10.772 11.867 12.362 12.674

Ps 237-245 13.977 13.979 13.979 13.981 13.979 12.560 12.085 11.647 11.601

Pcw = 11.889 L = .0357 Pcb = 11.132 Ptc/Pcw = 1.230 Wc = 2.03 T = 66. B = 29.81

Run 37-4 C2 I1 S1 B1 Eng 2 α=20° β=0° m/m*=.711 0.807, 0815

Pt/Pto 131-144
.999 .998 .996 .993 .989 .986 .998 .998 .996 .994 .989 .985 .973 .978

Cp 330-344
.014 -.367 -.525 -.589 -.474 .220 -.402 -.600 -.684 -.749 -.688 -.624 -1.315 -.580 -1.075

Pt/Pto 101-130
.966 .925 .955 .951 1.000 1.000 1.000 .949 .967 .947
1.000 1.000 1.000 .969 .977 .937 1.000 1.000 1.000 .989
.993 .946 1.000 1.000 1.000 1.000 1.000 .994 1.000 1.000

Ptc = 14.618 Ptc/Pto = .982 K = .0767

Cp 310-320
.792 ~~-.697~~ .580 .340 .199 -.040 -.101 -.083 -.085 -.047 -.039

Cp 321-329
-.247 .809 .926 .767 .652 .366 .045 -.095 -.233

Ps 301-309 14.432 13.025 13.969 14.653 11.173 11.849 12.000 12.045 12.108

Ps 201-206 11.877 11.982 12.031 11.935 11.488 11.550

Ps 207-212 10.989 11.089 11.158 11.104 10.985 10.876

Ps 213-224 13.664 11.392 10.668 10.026 9.959 10.880 11.093 11.177 11.184 12.357 ~~12.415~~ 12.332

Ps 225-236 12.438 10.757 n.g. n.g. n.g. 9.632 10.143 10.448 10.667 11.667 12.180 12.511

Ps 237-245 13.964 13.966 13.967 13.970 13.966 12.470 11.975 11.516 11.489

Pcv = 11.811 L = .0372 Pcb = 11.033 Ptc/Pcv = 1.238 Wc = 2.05 T = 66. B = 29.81

LOW SPEED TEST DATA

In the following Table, it should be noted that:

- *Tubes 330-334 should read 330A-334A.*
- *Tubes read horizontally and consecutively.*
- *Pressure data struck out by lining indicates dejective reading due to leakage, line plug, etc.*

Tabulated Data for Single-Engine Operation at a q of 33.3
(a) Configuration C1 I1 S1 B1

Run 25-20 C1 I1 S1 B1 Eng 1 α=C° β=0° m/m*=~~.610~~ 0.661

Pt/Pto 131-144
1.000 1.000 .999 .996 .992 .990 1.000 1.000 1.000 .998 .993 .989 .990 .985

Cp 330-344
~~.185~~ -.251 -.502 -.378 -.165 .476 -.127 -.466 -.617 -.521 -.395 -.101 -.024 -.133 -.201

Pt/Pto 101-130
.954 .995 .990 .992 .857 .901 .971 1.000 1.000 .999
.870 .911 .993 1.000 1.000 1.000 .894 .921 1.000 1.000
1.000 1.000 .931 .946 1.000 1.000 1.000 1.000 .985 .988

Ptc = 14.479 Ptc/Pto = .970 K = .1474

Cp 310-320
.898 ~~.635~~ .223 .041 -.058 -.233 -.200 -.169 -.164 -.126 -.088

Cp 321-329
.994 .701 .320 .139 .080 -.055 -.117 -.107 -.147

Ps 301-309 13.583 12.940 13.374 13.459 13.421 12.743 11.901 12.063 12.567

Ps 201-206 12.587 12.638 12.776 12.665 12.468 12.560

Ps 207-212 11.962 12.019 12.080 12.053 11.994 11.941

Ps 213-224 14.739 13.750 13.359 12.983 12.787 12.892 12.820 12.649 12.411 12.165 ~~12.781~~ 12.839

Ps 225-236 14.624 13.921 12.935 12.494 12.097 12.239 12.258 12.178 12.042 12.066 12.607 13.176

Ps 237-245 14.403 14.398 14.404 14.405 14.404 11.544 11.921 12.282 12.497

Pcw = 12.616 L = .0213 Pcb = 12.008 Ptc/Pcw = 1.148 Wc = 1.72 T = 74. B = 29.91

Run 17-1 C1 I1 S1 B1 Eng 1 α=0° β=0° m/m*= ~~.677~~ 0.732

Pt/Pto 131-144
1.000 1.000 .999 .996 .992 .990 1.000 1.000 1.000 .998 .993 .989 .989 .985

Cp 330-344
~~-.171~~ -.240 -.510 -.379 -.169 .476 -.131 -.467 -.614 -.520 -.401 -.116 -.071 -.146 -.255

Pt/Pto 101-130
.943 .995 .987 .990 .829 .882 .965 1.000 1.000 .999
.846 .894 .992 1.000 1.000 1.000 .876 .906 1.000 1.000
1.000 1.000 .920 .937 1.000 1.000 1.000 1.000 .983 .987

Ptc = 14.335 Ptc/Pto = .964 K = .1775

Cp 310-320
.952 ~~-.546~~ .284 .103 -.006 -.197 -.187 -.156 -.157 -.116 -.077

Cp 321-329
.995 .760 .384 .199 .133 -.018 -.094 -.089 -.132

Ps 301-309 13.291 12.464 13.003 13.149 13.107 12.285 11.260 11.472 12.072

Ps 201-206 12.115 12.140 12.266 12.182 11.945 12.072

Ps 207-212 11.346 11.410 11.481 11.443 11.373 11.315

Ps 213-224 14.594 13.449 13.019 12.589 12.364 12.487 12.394 12.188 11.886 11.601 ~~11.802~~ 12.400

Ps 225-236 14.446 13.621 12.509 11.995 11.535 11.702 11.728 11.634 11.445 11.458 12.121 12.798

Ps 237-245 14.341 14.339 14.346 14.347 14.344 10.890 11.322 11.734 11.982

Pcw = 12.120 L = .0223 Pcb = 11.395 Ptc/Pcw = 1.183 Wc = 1.85 T = 66. B = 29.78

Run 17-2 C1 I1 S1 B1 Eng 1 α=-4° β=0° m/m*=~~.677~~ 0.733

Pt/Pto 131-144

1.000	1.000	1.000	.998	.994	.991	1.000	1.000	1.000	.999	.995	.992	.990	.985

Cp 330-344

-.173	-.190	-.461	-.348	-.167	.523	-.044	-.375	-.533	-.465	-.360	-.103	-.072	-.135	-.269

Pt/Pto 101-130

.938	.995	.988	.991	.830	.881	.956	1.000	1.000	1.000
.848	.892	.987	1.000	1.000	1.000	.877	.906	.999	1.000
1.000	1.000	.920	.936	1.000	1.000	1.000	1.000	.983	.986

Ptc = 14.326 Ptc/Pto = .964 K = .1764

Cp 310-320

.972	~~-.541~~	.388	.203	.082	-.121	-.149	-.129	-.140	-.108	-.079

Cp 321-329

.977	.685	.270	.111	.051	-.084	-.138	-.117	-.138

Ps 301-309 13.423 12.591 13.101 13.186 13.120 12.287 11.255 11.475 12.070

Ps 201-206 12.110 12.134 12.259 12.181 11.939 12.067

Ps 207-212 11.337 11.404 11.473 11.439 11.368 11.311

Ps 213-224 14.508 13.338 12.926 12.530 12.328 12.464 12.384 12.181 11.884 11.591 ~~12.002~~ 12.390

Ps 225-236 14.499 13.718 12.596 12.067 11.583 11.738 11.750 11.639 11.455 11.456 12.119 12.799

Ps 237-245 14.347 14.345 14.352 14.352 14.349 10.887 11.323 11.733 11.978

Pcw = 12.115 L = .0223 Pcb = 11.389 Ptc/Pcw = 1.183 Wc = 1.85 T = 66. B = 29.78

Run 17-3 C1 I1 S1 B1 Eng 1 α=-10° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144
1.000 1.000 1.000 .999 .996 .993 1.000 1.000 1.000 1.000 .998 .994 .991 .985

Cp 330-344
.162 -.113 -.372 -.302 -.160 .592 .097 -.220 -.398 -.361 -.280 -.067 -.051 -.105 -.260

Pt/Pto 101-130
.940 .996 .989 .993 .829 .878 .960 1.000 1.000 1.000
.846 .888 .985 1.000 1.000 1.000 .876 .900 .999 1.000
1.000 1.000 .921 .933 1.000 1.000 1.000 1.000 .983 .986

Ptc = 14.326 Ptc/Pto = .963 K = .1772

Cp 310-320
.975 -.548 .527 .351 .223 -.001 -.084 -.079 -.105 -.090 -.074

Cp 321-329
.870 .540 .122 -.038 -.089 -.203 -.232 -.191 -.187

Ps 301-309 13.924 12.842 13.233 13.253 13.170 12.317 11.275 11.481 12.077

Ps 201-206 12.126 12.155 12.277 12.201 11.959 12.091

Ps 207-212 11.361 11.429 11.502 11.461 11.388 11.337

Ps 213-224 14.364 13.179 12.807 12.466 12.305 12.458 12.395 12.201 11.915 11.591 12.060 12.406

Ps 225-236 14.568 13.863 12.747 12.201 11.690 11.820 11.819 11.686 11.502 11.481 12.133 12.815

Ps 237-245 14.363 14.358 14.365 14.366 14.363 10.902 11.320 11.730 11.963

Pcw = 12.135 L = .0222 Pcb = 11.413 Ptc/Pcw = 1.181 Wc = 1.84 T = 66. B = 29.79

Run 17-4 C1 I1 S1 B1 Eng 1 α=4° β=0° m/m*=~~.677~~ 0.731

Pt/Pto 131-144

1.000	.999	.997	.994	.989	.987	1.000	1.000	.998	.995	.990	.986	.988	.985

Cp 330-344

.172	-.285	-.551	-.390	-.164	.441	-.207	-.546	-.671	-.555	-.417	-.113	-.060	-.142	-.231

Pt/Pto 101-130

.951	.996	.987	.982	.831	.884	.982	1.000	1.000	.997
.847	.895	.997	1.000	1.000	.999	.876	.905	1.000	1.000
1.000	1.000	.922	.936	1.000	1.000	1.000	1.000	.985	.987

Ptc = 14.356 Ptc/Pto = .965 K = .1752

Cp 310-320

.892	~~-.544~~	.191	.009	-.090	-.257	-.207	-.170	-.158	-.113	-.065

Cp 321-329

1.010	.840	.483	.289	.214	.047	-.057	-.075	-.126

Ps 301-309 13.334 12.375 12.937 13.133 13.116 12.317 11.309 11.516 12.102

Ps 201-206 12.138 12.173 12.295 12.210 11.986 12.106

Ps 207-212 11.387 11.449 11.518 11.481 11.409 11.359

Ps 213-224 14.669 13.563 13.118 12.662 12.415 12.524 12.425 12.217 11.917 11.646 ~~12.~~142 12.439

Ps 225-236 14.390 13.537 12.434 11.944 11.511 11.694 11.736 11.653 11.465 11.495 12.151 12.818

Ps 237-245 14.347 14.344 14.350 14.350 14.349 10.938 11.361 11.767 12.012

Pcv = 12.151 L = .0215 Pcb = 11.434 Ptc/Pcv = 1.181 Wc = 1.85 T = 66. B = 29.79

Run 17-5 C1 I1 S1 B1 Eng 1 α=10° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

.998	.995	.991	.987	.982	.981	.998	.995	.991	.987	.982	.979	.985	.984

Cp 330-344

.161	-.352	-.603	-.408	-.157	.382	-.308	-.634	-.732	-.582	-.423	-.093	-.026	-.124	-.188

Pt/Pto 101-130

.999	.997	.986	.939	.830	.876	1.000	1.000	1.000	.983
.847	.893	1.000	1.000	1.000	.993	.878	.906	1.000	1.000
1.000	.996	.925	.937	1.000	1.000	1.000	1.000	.986	.988

Ptc = 14.354 Ptc/Pto = .965 K = .1768

Cp 310-320

.802	~~.566~~	.057	-.098	-.184	-.330	-.223	-.177	-.161	-.098	-.045

Cp 321-329

.995	.921	.601	.406	.317	.123	-.027	-.082	-.167

Ps 301-309 13.162 12.107 12.735 13.080 13.133 12.339 11.316 11.503 12.084

Ps 201-206 12.127 12.172 12.291 12.176 11.979 12.100

Ps 207-212 11.379 11.445 11.512 11.466 11.384 11.346

Ps 213-224 14.738 13.678 13.211 12.713 12.435 12.525 12.417 12.204 11.901 11.636 ~~12.171~~ 12.482

Ps 225-236 14.266 13.345 12.267 11.807 11.413 11.619 11.704 11.616 11.436 11.484 12.135 12.798

Ps 237-245 14.347 14.343 14.349 14.349 14.347 10.916 11.327 11.745 11.999

Pcw = 12.141 L = .0217 Pcb = 11.422 Ptc/Pcw = 1.182 Wc = 1.85 T = 66. B = 29.79

Run 17-6 C1 I1 S1 B1 Eng 1 α=0° β=-4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144

1.000	1.000	1.000	.997	.993	.991	1.000	1.000	1.000	.999	.995	.991	.990	.985

Cp 330-344

~~-.266~~	-.159	-.459	-.350	-.148	.468	-.139	-.469	-.610	-.521	-.396	-.119	-.058	-.133	-.243

Pt/Pto 101-130

.961	.991	.979	.987	.841	.889	.980	1.000	1.000	.996
.862	.902	.996	1.000	1.000	.999	.893	.915	1.000	1.000
1.000	1.000	.934	.944	1.000	1.000	1.000	1.000	.987	.989

Ptc = 14.397 Ptc/Pto = .968 K = .1642

Cp 310-320

.966	~~-.555~~	.315	.131	.020	-.180	-.192	-.170	-.159	-.123	-.087

Cp 321-329

.983	.931	.634	.422	.328	.136	.002	-.026	-.094

Ps 301-309 13.121 12.149 12.759 13.049 13.080 12.317 11.377 11.625 12.179

Ps 201-206 12.181 12.238 12.337 12.256 12.018 12.137

Ps 207-212 11.439 11.502 11.566 11.534 11.469 11.399

Ps 213-224 14.560 13.372 12.937 12.510 12.299 12.444 12.373 12.184 11.896 11.751 ~~12.267~~ 12.495

Ps 225-236 14.196 13.227 12.105 11.647 11.286 11.522 11.693 11.574 11.418 11.561 12.210 12.844

Ps 237-245 14.357 14.352 14.359 14.360 14.357 11.042 11.487 11.882 12.087

Pcw = 12.195 L = .0221 Pcb = 11.485 Ptc/Pcw = 1.181 Wc = 1.85 T = 66. B = 29.79

Run 17-7 C1 I1 S1 B1 Eng 1 α=0° β=-10° m/m*=~~.677~~ 0.733

Pt/Pto 131-144
1.000 1.000 1.000 .998 .994 .991 1.000 1.000 1.000 .999 .995 .992 .990 .984

Cp 330-344
~~-.351~~ -.094 -.435 -.369 -.178 .405 -.181 -.493 -.627 -.541 -.419 -.153 -.072 -.157 -.284

Pt/Pto 101-130
.988 .987 .959 .970 .861 .901 1.000 1.000 .991 .986
.884 .918 1.000 1.000 1.000 .993 .913 .930 1.000 1.000
1.000 1.000 .948 .956 1.000 1.000 1.000 1.000 .992 .993

Ptc = 14.458 Ptc/Pto = .972 K = .1435

Cp 310-320
.926 ~~-.553~~ .320 .125 .006 -.206 -.253 -.245 -.233 -.196 -.164

Cp 321-329
.663 1.018 .860 .685 .575 .339 .125 .048 -.048

Ps 301-309 12.574 11.765 12.363 12.847 13.014 12.372 11.572 11.852 12.328

Ps 201-206 12.300 12.365 12.441 12.365 12.132 12.237

Ps 207-212 11.594 11.649 11.706 11.684 11.627 11.549

Ps 213-224 14.487 13.247 12.811 12.393 12.212 12.389 12.356 12.194 11.938 11.992 ~~12.409~~ 12.633

Ps 225-236 13.656 12.544 11.477 11.131 10.929 11.200 11.632 11.532 11.431 11.742 12.372 12.900

Ps 237-245 14.366 14.363 14.369 14.369 14.368 11.310 11.775 12.122 12.247

Pcw = 12.307 L = .0214 Pcb = 11.635 Ptc/Pcw = 1.175 Wc = 1.84 T = 66. B = 29.79

Run 17-8 C1 I1 S1 B1 Eng 1 α=0° β=4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
1.000 1.000 .998 .994 .988 .986 1.000 1.000 .999 .996 .990 .985 .986 .984

Cp 330-344
~~-.067~~ -.338 -.574 -.416 -.210 .474 -.136 -.473 -.619 -.529 -.403 -.120 -.086 -.168 -.287

Pt/Pto 101-130
.967 .996 .990 .965 .814 .866 .994 1.000 1.000 .992
.828 .877 .999 1.000 1.000 1.000 .859 .888 1.000 1.000
1.000 1.000 .908 .922 1.000 1.000 1.000 1.000 .980 .982

Ptc = 14.288 Ptc/Pto = .961 K = .1937

Cp 310-320
.929 ~~-.552~~ .245 .064 -.044 -.226 -.195 -.161 -.176 -.131 -.093

Cp 321-329
.907 .517 .105 -.031 -.072 -.173 -.188 -.151 -.154

Ps 301-309 13.771 12.733 13.175 13.212 13.138 12.234 11.093 11.275 11.907

Ps 201-206 11.976 12.021 12.150 12.049 11.813 11.960

Ps 207-212 11.189 11.261 11.334 11.285 11.203 11.193

Ps 213-224 14.609 13.488 13.058 12.623 12.376 12.482 12.368 12.141 11.815 11.413 ~~12.153~~ 12.289

Ps 225-236 14.609 13.956 12.850 12.290 11.740 11.831 11.805 11.615 11.413 11.304 11.976 12.710

Ps 237-245 14.330 14.325 14.332 14.334 14.331 10.682 11.084 11.508 11.804

Pcw = 11.996 L = .0232 Pcb = 11.244 Ptc/Pcw = 1.191 Wc = 1.87 T = 67. B = 29.79

Run 17-9 C1 I1 S1 B1 Eng 1 α=0° β=10° m/m*=~~.677~~ 0.730

Pt/Pto 131-144
.998 .997 .994 .988 .980 .978 .997 .997 .993 .989 .981 .977 .983 .983

Cp 330-344
-.134 -.516 -.701 -.512 -.319 .424 -.154 -.490 -.632 -.541 -.423 -.163 -.151 -.233 -.376

Pt/Pto 101-130
.996 .997 .997 .911 .801 .847 .999 1.000 1.000 .946
.814 .858 1.000 1.000 1.000 .980 .843 .871 1.000 1.000
1.000 .999 .895 .906 1.000 1.000 1.000 1.000 .975 .976

Ptc = [illegible].181 Ptc/Pto = .954 K = .2085

Cp 310-320
.840 -.543 .184 -.019 -.130 -.302 -.244 -.204 -.251 -.199 -.166

Cp 301-329
.508 .031 -.319 -.395 -.382 -.389 -.318 -.236 -.191

Ps 301-309 14.252 13.[illegible]43 13.270 13.281 13.180 12.198 10.913 11.072 11.723

Ps 201-206 11.830 11.887 12.009 11.878 11.669 11.824

Ps 207-212 11.006 11.089 11.171 11.103 11.013 11.069

Ps 213-224 14.603 13.526 13.101 12.663 12.398 12.486 12.352 12.106 11.757 11.184 11.961 12.166

Ps 225-236 14.693 14.326 13.294 12.690 12.040 12.015 11.928 11.666 11.412 11.032 11.852 12.635

Ps 237-245 14.305 14.300 14.308 14.309 14.308 14.461 10.839 11.277 11.614

Pcw = 11.849 L = .0239 Pcb = 11.075 Ptc/Pcw = 1.197 Wc = 1.87 T = 67. B = 29.79

Run 17-10 C1 I1 S1 B1 Eng 1 α=4° β=4° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144

1.000	.999	.995	.990	.984	.982	1.000	.999	.996	.992	.985	.981	.985	.984

Cp 330-344

~~-.086~~	-.371	-.604	-.419	-.189	.432	-.212	-.551	-.679	-.561	-.423	-.121	-.066	-.160	-.257

Pt/Pto 101-130

.999	.996	.990	.933	.817	.865	1.001	1.001	1.001	.975
.832	.879	1.001	1.001	1.001	.999	.863	.890	1.001	1.001
1.001	1.001	.913	.924	1.001	1.001	1.001	1.001	.983	.985

Ptc = 14.302 Ptc/Pto = .962 K = .1913

Cp 310-320

.911	~~-.510~~	.188	-.013	.118	-.280	-.208	-.166	-.170	-.117	-.069

Cp 321-329

.999	.650	.253	.073	.022	-.095	-.136	-.120	-.141

Ps 301-309 13.475 12.573 13.085 13.200 13.140 12.263 11.123 11.304 11.929

Ps 201-206 11.991 12.038 12.165 12.045 11.835 11.975

Ps 207-212 11.206 11.278 11.350 11.299 11.210 11.203

Ps 213-224 14.676 13.588 13.140 12.673 12.404 12.498 12.378 12.150 11.824 11.424 ~~12.017~~ 12.337

Ps 225-236 14.573 13.873 12.765 12.228 11.693 11.803 11.785 11.612 11.415 11.321 11.990 12.716

Ps 237-245 14.329 14.326 14.332 14.334 14.331 10.699 11.097 11.529 11.825

Pcv = 12.008 L = .0231 Pcb = 11.258 Ptc/Pcv = 1.191 Wc = 1.87 T = 68. B = 29.79

Run 17-11 C1 I1 S1 B1 Eng 1 α=4° β=-4° m/m*=~~.677~~ 0.733

Pt/Pto 131-144

1.000	1.000	.998	.995	.991	.989	1.000	1.000	.999	.997	.993	.989	.989	.985

Cp 330-344

~~-.240~~	-.229	-.523	-.389	-.167	.429	-.222	-.553	-.680	-.564	-.425	-.121	-.056	-.143	-.237

Pt/Pto 101-130

.957	.991	.977	.982	.841	.831	.982	1.000	1.000	.994
.861	.905	.997	1.000	1.000	.996	.891	.918	1.000	1.000
1.000	1.000	.932	.947	1.000	1.000	1.000	1.000	.987	.990

Ptc = 14.395 Ptc/Pto = .968 K = .1644

Cp 310-320

.925	~~-.552~~	.215	.036	-.068	-.251	-.226	-.200	-.187	-.138	-.093

Cp 321-329

.960	.991	.715	.491	.391	.178	.019	-.034	-.118

Ps 301-309 12.989 12.004 12.574 12.953 13.056 12.316 11.379 11.632 12.180

Ps 201-206 12.178 12.235 12.335 12.250 12.015 12.130

Ps 207-212 11.434 11.496 11.560 11.529 11.468 11.395

Ps 213-224 14.628 13.466 13.014 12.557 12.324 12.456 12.376 12.182 11.892 11.767 ~~12.266~~ 12.490

Ps 225-236 14.095 13.078 11.986 11.536 11.213 11.444 11.667 11.546 11.400 11.559 12.212 12.836

Ps 237-245 14.356 14.353 14.357 14.359 14.357 11.051 11.501 11.894 12.089

Pcw = 12.190 L = .0222 Pcb = 11.480 Ptc/Pcw = 1.181 Wc = 1.85 T = 68. B = 29.79

Run 17-12 C1 I1 S1 B1 Eng 1 α=-4° β=-4° m/m*= ~~.677~~ 0.733

Pt/Pto 131-144

1.000	1.000	1.000	.998	.995	.992	1.000	1.000	1.000	1.000	.996	.993	.991	.985

Cp 330-344

~~+.277~~	-.096	-.392	-.309	-.131	.509	-.053	-.379	-.534	-.470	-.359	-.104	-.053	-.118	-.244

Pt/Pto 101-130

.963	.993	.981	.990	.840	.887	.984	1.000	1.000	.998
.860	.899	.997	1.000	1.000	.999	.891	.910	1.000	1.000
1.000	1.000	.934	.941	1.000	1.000	1.000	1.000	.987	.989

Ptc = 14.396 Ptc/Pto = .968 K = .1653

Cp 310-320

.974	~~+.556~~	.409	.229	.108	-.105	-.154	-.139	-.135	-.112	-.080

Cp 321-329

.969	.874	.548	.347	.261	.077	-.025	-.037	-.095

Ps 301-309 13.113 12.304 12.891 13.106 13.090 12.314 11.368 11.612 12.167

Ps 201-206 12.179 12.232 12.330 12.252 12.013 12.135

Ps 207-212 11.434 11.495 11.561 11.529 11.464 11.398

Ps 213-224 14.479 13.267 12.852 12.456 12.268 12.425 12.362 12.178 11.893 11.736 ~~12.270~~ 12.486

Ps 225-236 14.273 13.330 12.209 11.731 11.341 11.561 11.698 11.594 11.431 11.554 12.204 12.842

Ps 237-245 14.359 14.357 14.362 14.364 14.361 11.028 11.470 11.862 12.075

Pcw = 12.190 L = .0220 Pcb = 11.480 Ptc/Pcw = 1.181 Wc = 1.85 T = 68. B = 29.79

Run 17-13 C1 I1 S1 B1 Eng 1 α=-4° β=4° m/m*= ~~.677~~ 0.731

Pt/Pto 131-144

.999 1.000 .999 .997 .991 .989 1.000 1.000 .999 .998 .993 .989 .987 .984

Cp 330-344

~~.048~~ -.302 -.537 -.407 -.227 .513 -.045 -.379 -.539 -.469 -.366 -.110 -.089 -.163 -.301

Pt/Pto 101-130

.939 .995 .991 .986 .817 .872 .958 1.000 1.000 .998
.831 .882 .987 1.000 1.000 1.000 .860 .893 1.000 1.000
1.000 1.000 .906 .925 1.000 1.000 1.000 1.000 .978 .983

Ptc = 14.275 Ptc/Pto = .960 K = .1904

Cp 310-320

.932 ~~-.553~~ .331 .149 .028 -.166 -.172 -.147 -.175 -.135 -.107

Cp 321-329

.810 .379 -.022 -.145 -.174 -.255 -.253 -.203 -.195

Ps 301-309 13.932 12.901 13.249 13.260 13.171 12.271 11.140 11.326 11.955

Ps 201-206 12.030 12.061 12.191 12.103 11.868 12.002

Ps 207-212 11.243 11.314 11.387 11.345 11.273 11.245

Ps 213-224 14.543 13.413 13.007 12.608 12.392 12.508 12.409 12.186 11.877 11.443 ~~12.072~~ 12.316

Ps 225-236 14.644 14.053 12.962 12.398 11.835 11.905 11.872 11.676 11.474 11.361 12.028 12.747

Ps 237-245 14.337 14.333 14.338 14.341 14.338 10.737 11.148 11.573 11.861

Pcw = 12.043 L = .0226 Pcb = 11.301 Ptc/Pcw = 1.185 Wc = 1.85 T = 67. B = 29.79

Run 23-1 C1 I1 S1 B1 Eng 1 α=0° β=0° m/m*= ~~.677~~ 0.732

Pt/Pto 131-144

1.000	1.000	.999	.996	.992	.990	1.000	1.000	1.000	.998	.993	.989	.989	.985

Cp 330-344

~~-.176~~	-.254	-.511	-.385	-.178	.474	-.134	-.475	-.624	-.532	-.407	-.126	-.081	-.156	-.265

Pt/Pto 101-130

.942	.995	.987	.990	.830	.881	.963	1.000	1.000	.999
.847	.894	.991	1.000	1.000	1.000	.876	.906	1.000	1.000
1.000	1.000	.920	.937	1.000	1.000	1.000	.999	.983	.987

Ptc = 14.430 Ptc/Pto = .964 K = .1761

Cp 310-320

.953	~~-1.134~~	.291	.101	-.010	-.204	-.191	-.166	-.156	-.121	-.086

Cp 321-329

1.006	.777	.393	.199	.127	-.021	-.109	-.096	-.145

Ps 301-309 13.389 12.544 13.080 13.233 13.195 12.377 11.352 11.574 12.177

Ps 201-206 12.186 12.243 12.414 12.284 12.028 12.139

Ps 207-212 11.425 11.498 11.575 11.535 11.460 11.398

Ps 213-224 14.684 13.540 13.108 12.685 12.453 12.576 12.487 12.270 11.978 11.697 ~~12.399~~ 12.493

Ps 225-236 14.536 13.714 12.592 12.080 11.620 11.795 11.815 11.718 11.535 11.540 12.217 12.895

Ps 237-245 14.396 14.390 14.400 14.402 14.400 10.982 11.424 11.836 12.072

Pcw = 12.216 L = .0267 Pcb = 11.482 Ptc/Pcw = 1.181 Wc = 1.81 T = 93. B = 29.99

Run 23-22 C1 I1 S1 B1 Eng 1 α=0° β=C° m/m*=~~.637~~ 0.731

Pt/Pto 131-144
1.000 1.000 .999 .996 .992 .989 1.000 1.000 1.000 .998 .993 .988 .989 .985

Cp 330-344
~~.180~~ -.254 -.510 -.386 -.187 .474 -.130 -.474 -.625 -.534 -.413 -.139 -.112 -.169 -.299

Pt/Pto 101-130
.934 .996 .986 .990 .813 .870 .958 1.000 1.000 .999
.832 .885 .990 1.000 1.000 1.000 .864 .900 1.000 1.000
1.000 1.000 .912 .933 1.000 1.000 1.000 1.000 .982 .986

Ptc = 14.340 Ptc/Pto = .961 K = .1941

Cp 310-320
.959 ~~.600~~ .324 .131 .012 -.188 -.189 -.163 -.155 -.123 -.087

Cp 321-329
.999 .793 .407 .216 .141 -.013 -.097 -.094 -.142

Ps 301-309 13.224 12.283 12.870 13.048 13.012 12.095 10.932 11.199 11.868

Ps 201-206 11.865 11.942 12.128 11.979 11.692 11.812

Ps 207-212 11.031 11.117 11.198 11.150 11.062 11.003

Ps 213-224 14.580 13.357 12.896 12.445 12.197 12.328 12.223 11.989 11.650 11.349 ~~12.092~~ 12.204

Ps 225-236 14.431 13.545 12.348 11.796 11.286 11.473 11.497 11.394 11.160 11.162 11.905 12.654

Ps 237-245 14.331 14.325 14.333 14.334 14.332 14.572 11.049 11.487 11.747

Pcw = 11.903 L = .0304 Pcb = 11.093 Ptc/Pcw = 1.205 Wc = 1.91 T = 74. B = 29.90

Run 18-1 C1 I1 S1 B1 Eng 1 α=0° β=0° m/m*= 0.808

Pt/Pto 131-144
1.000 1.000 .999 .996 .992 .989 1.000 1.000 1.000 .998 .993 .988 .988 .985

Cp 330-344
~~-.175~~ -.241 -.515 -.387 -.193 .480 -.135 -.475 -.623 -.536 -.416 -.159 -.172 -.198 -.366

Pt/Ptc 101-130
.923 .996 .982 .988 .769 .840 .955 1.001 1.000 .999
.794 .862 .990 1.000 1.000 1.000 .936 .984 1.000 1.000
1.000 1.000 .998 .924 1.000 1.000 1.001 1.000 .990 .996

Ptc = 14.181 Ptc/Pto = .954 K = .2431

Cp 310-320
1.012 ~~-.543~~ .442 .201 .072 -.144 -.169 -.148 -.145 -.112 -.074

Cp 321-329
1.029 .885 .508 .286 .199 .029 -.066 -.072 -.124

Ps 301-309 12.931 11.664 12.366 12.635 12.615 11.447 13.884 14.291 11.140

Ps 201-206 11.128 11.205 11.379 11.254 10.882 11.054

Ps 207-212 14.073 14.179 14.281 14.204 14.076 14.047

Ps 213-224 14.390 12.969 12.465 11.930 11.627 11.782 11.638 11.325 10.871 10.490 ~~11.356~~ 11.548

Ps 225-236 14.195 13.175 11.799 11.142 10.517 10.740 10.768 10.580 10.257 10.147 11.158 12.097

Ps 237-245 14.280 14.276 14.284 14.285 14.282 13.560 14.111 14.626 10.948

Pcw = 11.150 L = .0350 Pcb = 14.143 Ptc/Pcw = 1.272 Wc = 2.07 T = 62. B = 29.79

Run 18-2 C1 I1 S1 B1 Eng 1 α=-4° β=0° m/m² [illegible] 0.207

Pt/Pto 131-144

1.000	1.000	1.000	.998	.994	.991	1.000	1.000	1.000	.999	.995	.991	.989	.985

Cp 330-344

~~-.174~~	-.196	-.466	-.360	-.188	.521	-.048	-.385	-.546	-.481	-.379	-.147	-.171	-.177	-.377

Pt/Pto 101-130

.922	.996	.983	.990	.769	.840	.947	1.000	1.000	.999
.793	.862	.984	1.000	1.000	1.000	.836	.884	1.000	1.000
1.000	1.000	.895	.926	1.000	1.000	1.000	1.000	.979	.987

Ptc = 14.175 Ptc/Pto = .953 K = .2433

Cp 310-320

1.010	~~-.540~~	.522	.288	.154	-.075	-.138	-.121	-.133	-.109	-.080

Cp 321-329

1.010	.814	.409	.191	.115	-.042	-.118	-.102	-.131

Ps 301-309 12.897 11.798 12.489 12.699 12.642 11.467 13.902 14.305 11.153

Ps 201-206 11.143 11.218 11.393 11.270 10.894 11.069

Ps 207-212 14.086 14.196 14.299 14.221 14.095 14.059

Ps 213-224 14.296 12.861 12.379 11.[illegible] 11.607 11.776 11.642 11.336 10.880 10.501 ~~[illegible]~~ 11.555

Ps 225-236 14.275 13.295 11.920 11.248 10.596 10.800 10.806 10.61[illegible] 10.29[illegible] 10.171 11.175 12.113

Ps 237-245 14.286 14.283 14.291 14.290 14.287 13.580 14.129 14.643 10.9[illegible]3

Pcw = 11.165 L = .0352 Pcb = 14.159 Pcb/Pcw = 1.270 Wc = 2.07 T = 64. B = 29.79

Run 18-3 Cl Il Sl Bl Bw; 1 α=-10° β=0° m/m' = [illegible] 0.307

Pt/Pto 131-144
1.000 1.000 1.000 .999 .996 .993 1.000 1.000 1.000 1.000 .998 .993 .990 .985

Cp 330-344
~~-.115~~ -.110 -.077 -.310 -.179 .594 .093 -.227 -.404 -.373 -.299 -.109 -.151 -.144 -.375

Pt/Pto 101-130
.928 .996 .985 .992 .763 .831 .9[illegible] 1.000 1.000 1.000
.789 .850 .934 1.000 1.000 1.000 .835 .870 .999 1.000
1.000 1.000 .898 .9[illegible] 1.000 1.000 1.000 1.000 .980 .984

Pto = 14.157 Pto/Pto = .952 K = .2493

Cp 310-320
.957 ~~-.524~~ .650 .434 .295 .040 -.067 -.065 -.035 -.083 -.071

Cp 321-329
.966 .691 .271 .051 -.017 -.153 -.204 -.174 -.179

Ps 301-309 13.138 12.005 12.674 12.779 12.674 11.464 13.051 14.236 11.097

Ps 201-206 11.110 11.194 11.362 11.242 10.856 11.048

Ps 207-212 14.050 14.161 14.265 14.123 14.045 14.040

Ps 213-224 14.097 12.647 12.210 11.773 11.541 11.733 11.615 11.318 10.875 10.418 ~~11.635~~ 11.535

Ps 225-236 14.353 13.439 12.056 11.361 10.675 10.854 10.839 10.623 10.304 10.121 11.126 12.086

Ps 237-245 14.292 14.288 14.295 14.296 14.294 13.516 14.034 14.549 10.896

Pcw = 11.135 L = .0358 Pcb = 14.124 Pto/Pcw = 1.271 We = 2.07 T = 64. B = 29.79

Run 18-4 C1 I1 S1 B1 Eng 1 α=4° β=0° m/m* ~~.811~~ 0.810

Pt/Pto 131-144
1.000 1.000 .997 .993 .988 .986 1.000 1.000 .998 .995 .989 .984 .986 .984

Cp 330-344
~~-.176~~ -.291 -.562 -.408 -.191 .441 -.214 -.552 -.395 -.577 -.438 -.155 -.143 -.183 -.338

Pt/Pto 101-130
.930 .996 .979 .955 .773 .845 .976 1.000 1.000 .995
.797 .863 .996 1.000 1.000 .998 .841 .880 1.000 1.000
1.000 1.000 .902 .920 1.000 1.000 1.000 1.000 .981 .985

Pto = 14.182 Pto/Pto = .954 K = .2387

Cp 310-320
.974 ~~-.538~~ .322 .115 -.006 -.209 -.196 -.164 -.153 -.111 -.066

Cp 321-329
1.005 .917 .573 .364 .273 .087 -.036 -.062 -.120

Ps 301-309 12.922 11.493 12.261 12.616 12.637 11.486 13.960 14.354 11.179

Ps 201-206 11.178 11.257 11.425 11.283 10.944 11.11

Ps 207-212 14.146 14.247 14.344 14.266 14.141 14.121

Ps 213-224 14.486 13.104 12.580 12.016 11.690 11.847 11.676 11.367 10.919 10.554 ~~11.285~~ 11.610

Ps 225-236 14.131 13.081 11.731 11.101 10.503 10.738 10.793 10.415 10.302 10.220 11.209 12.129

Ps 237-245 14.280 14.276 14.282 14.284 14.280 13.640 14.184 10.693 11.001

Pcw = 11.200 L = .0339 Pcb = 14.211 Pto/Pcw = 1.266 Wc = 2.00 T = 65. B = 29.79

Run 18-5 C1 I1 S1 B1 Eng 1 α=10° β=0° m/m' ~~[illegible]~~ 0.307

Pt/Pto 131-144
.938 .935 .991 .987 .980 .979 .989 .995 .991 .987 .980 .978 .984 .983

Cp 330-344
~~-.139~~ -.303 -.615 -.424 -.191 .378 -.315 -.647 -.748 -.601 -.444 -.137 -.108 -.169 -.291

Pt/Pto 101-130
.996 .986 .975 .987 .779 .834 1.000 1.000 .999 .964
.796 .860 1.001 1.001 1.001 .990 .841 .878 1.001 1.001
1.001 .994 .986 .986 1.000 1.001 1.001 1.001 .985 .987

Ptc = 14.175 Pto/Pto = .953 K = .2419

Cp 310-320
.953 ~~-.569~~ .218 .001 -.105 -.278 -.215 -.174 -.155 -.027 -.040

Cp 321-329
.957 .983 .714 .475 .374 .162 -.007 -.071 -.1[illegible]

Ps 301-309 12.616 11.295 11.975 12.431 12.593 11.590 13.953 14.315 1 .133

Ps 201-206 11.144 11.231 11.393 11.214 10.907 11.075

Ps 207-212 14.101 14.207 14.302 14.216 14.068 14.068

Ps 213-224 14.586 13.233 12.676 12.056 11.609 11.810 11.647 11.329 10.870 10.486 ~~11.278~~ 11.643

Ps 225-236 13.966 12.868 11.618 10.914 10.300 10.620 10.740 10.540 10.236 10.167 11.160 12.084

Ps 237-245 14.272 14.207 14.275 14.270 14.273 13.571 14.097 14.622 10.955

Pcw = 11.161 L = .0343 Pcb = 14.160 Ptc/Pcw = 1.270 Mc = 2.06 T = [illegible]. B = 29.78

Run 18-6 C1 I1 S1 B1 Eng 1 α=0° β=-4° m/m*= 0.808

Pt/Pto 131-144

1.000	1.000	1.000	.997	.993	.991	1.000	1.000	1.000	.999	.995	.991	.989	.985

Cp 330-344

~~.260~~	-.167	-.476	-.370	-.177	.460	-.150	-.480	-.628	-.538	-.417	-.161	-.154	-.180	-.356

Pt/Pto 101-130

.967	.957	.956	.983	.782	.848	.988	1.000	1.000	.996
.810	.868	.993	1.000	1.000	.998	.855	.887	1.000	1.000
1.000	1.000	.914	.929	1.000	1.000	1.000	1.000	.985	.988

Ptc = 14.243 Ptc/Pto = .953 K = .2276

Cp 310-320

.941	~~-.551~~	.394	.216	.085	-.143	-.185	-.168	-.158	-.127	-.093

Cp 321-329

.875	.936	.683	.481	.380	.171	.018	-.021	-.096

Ps 301-309	12.528	11.352	12.002	12.454	12.577	11.516	14.084	14.497	11.275			
Ps 201-206	11.260	11.360	11.497	11.373	11.023	11.190						
Ps 207-212	14.252	14.348	14.436	14.372	14.253	14.198						
Ps 213-224	14.353	12.900	12.393	11.863	11.580	11.759	11.639	11.354	10.929	10.686	~~1.367~~	11.697
Ps 225-236	13.896	12.741	11.383	10.785	10.274	10.557	10.785	10.559	10.294	10.344	11.299	12.169
Ps 237-245	14.285	14.281	14.288	14.290	14.287	13.779	14.323	10.821	11.108			

Pcw = 11.284 L = .0333 Pcb = 14.310 Ptc/Pcw = 1.262 Wc = 2.06 T = 65. B = 29.78

Run 18-7 C1 I1 S B Eng 1 α=0° β=-10° m/m*= 0.312

Pt/Pto 131-144
1.000 1.000 1.000 .998 .994 .991 1.000 1.000 1.000 .999 .996 .992 .989 .984

Cp 330-344
~~.348~~ -.096 -.439 -.379 -.204 .409 -.183 -.500 -.641 -.554 -.440 -.193 -.104 -.198 -.396

Pt/Pto 101-130
.985 .982 .936 .975 .805 .863 .999 1.000 .981 .990
.837 .886 1.000 1.000 .999 .994 .879 .996 1.000 1.000
1.000 1.000 .930 .943 1.000 1.000 1.000 1.000 .990 .992

Ptc = 14.307 Ptc/Pto = .962 L = .2033

Cp 310-320
.901 ~~-.562~~ .381 .210 .079 -.158 -.242 -.235 -.226 -.189 -.160

Cp 321-329
.459 .993 .897 .735 .621 .373 .148 .060 -.041

Ps 301-309 11.988 10.828 11.648 12.335 12.547 11.564 14.330 10.766 11.459

Ps 201-206 11.392 11.501 11.610 11.502 11.157 11.305

Ps 207-212 14.424 14.514 14.596 14.542 14.438 14.350

Ps 213-224 14.261 12.743 12.232 11.706 11.457 11.678 11.996 11.348 10.955 10.967 ~~11.523~~ 1 .855

Ps 225-236 13.283 11.987 10.657 10.170 9.835 10.195 10.659 10.490 10.290 10.579 11.492 12.223

Ps 237-245 14.294 14.291 14.299 14.299 14.294 14.080 10.648 11.105 11.305

Pcw = 11.411 L = .0317 Pcb = 14.478 Ptc/Pcw = 1.254 Wc = 2.04 T = 66. B = 29.78

Run 18-8 Cl Il Sl Bl Eng 1 α=0° β=4° m/m* ~~.711~~ 0.809

Pt/Pto 131-144
.999 .999 .999 .994 .983 .986 .999 .999 .998 .996 .989 .984 .985 .984

Cp 330-344
~~.066~~ -.340 -.581 -.429 -.233 .466 -.138 -.479 -.629 -.540 -.419 - 160 -.173 -.206 -.382

Pt/Pto 101-130
.973 .995 .986 .960 .754 .822 .996 1.000 1.000 .993
.776 .840 1.000 1.000 1.000 1.000 .821 .861 1.000 1.000
1.000 1.000 .889 .907 1.000 1.000 1.000 1.000 .978 .981

Ptc = 14.138 Ptc/Pto = .951 K = .2588

Cp 310-320
.972 ~~.528~~ .371 .153 .025 -.181 -.184 -.154 -.170 -.130 -.093

Cp 321-329
.968 .658 .231 .046 -.007 -.129 -.165 -.141 -.145

Ps 301-309 13.126 11.982 12.574 12.751 12.691 11.477 13.796 14.137 11.017

Ps 201-206 11.064 11.148 11.325 11.175 10.817 11.012

Ps 207-212 14.003 14.115 14.217 14.124 13.982 14.032

Ps 213-224 14.428 13.063 12.562 12.031 11.712 11.842 11.679 11.357 10.889 10.335 ~~11.077~~ 11.507

Ps 225-236 14.435 13.594 12.260 11.569 10.862 10.989 10.944 10.669 10.347 10.059 11.060 12.050

Ps 237-245 14.260 14.254 14.263 14.264 14.262 n.g. 13.914 14.430 10.811

Pcw = 11.090 L = .0360 Pcb = 14.079 Ptc/Pcw = 1.275 Wc = 2.07 T = 66. B = 29.78

Run 18-9 C1 I1 S1 B1 Eng 1 α=0° β=10° m/m* [redacted] 0.805

Pt/Pto 131-144

.997	.997	.994	.988	.979	.977	.99[illegible]	.996	.992	.988	.980	.975	.983	.983	

Cp 330-344

~~[illegible]~~	-.519	-.707	-.524	-.335	.423	-.157	-.495	-.642	-.557	-.442	-.199	-.237	-.275	-.467

Pt/Pto 101-130

.997	.996	.990	.896	.734	.795	.999	1.000	1.000	.943
.756	.8[illegible]	1.000	1.000	1.000	.985	.8[illegible]	.835	1.000	1.000
1.000	.999	.879	.885	1.000	1.000	1.000	1.000	.977	.977

Ptc = 14.005 Ptc/Pto = .942 K = .2824

Cp 310-320

.862	~~-.543~~	.271	.069	-.05[illegible]	-.257	-.[illegible]	-.198	-.246	-.197	-.167

Cp 321-329

.700	.219	-.201	-.301	-.310	-.348	-.296	-.225	-.186

Ps 301-309	13.472	12.322	12.71[illegible]	12.797	12.721	11.402	13.496	13.81[illegible]	10.746			
Ps 201-206	10.844	10.950	11.133	10.927	10.574	10.7[illegible]5						
Ps 207-212	13.721	13.850	13.966	13.850	13.673	13.855						
Ps 213-224	14.425	13.098	12.602	12.069	11.727	11.834	11.647	11.298	10.794	9.995	~~11.038~~	11.323
Ps 225-236	14.599	14.047	12.750	12.011	11.189	11.182	11.063	10.589	10.303	9.602	10.859	11.936
Ps 237-245	14.257	14.232	14.241	14.242	14.239	n.g.	13.558	14.090	14.519			

Pcw = 10.870 L = .0399 Pcb = 13.819 Ptc/Pcw = 1.288 Wc = 2.07 T = 66. B = 29.78

Run 24-1 C1 I1 S1 B1 Eng 1 α=0° β=0° m/m*= [illegible] 0.804

Pt/Pto 131-144
1.000 1.000 .999 .996 .992 .989 1.000 1.000 .999 .998 .993 .988 .988 .985

Cp 330-344
~~-.195~~ -.257 -.515 -.397 -.200 .474 -.135 -.477 -.633 -.544 -.425 -.166 -.181 -.197 -.376

Pt/Pto 101-130
.921 .996 .982 .988 .771 .841 .952 1.000 1.000 .999
.797 .864 .989 1.000 1.000 1.000 .840 .884 1.000 1.000
1.000 1.000 .900 .925 1.000 1.000 1.000 1.000 .980 .986

Ptc = 14.275 Ptc/Pto = .954 K = .2398

Cp 310-320
1.009 ~~.863~~ .456 .198 .066 -.153 -.177 -.155 -.153 -.119 -.086

Cp 321-329
1.039 .902 .531 .275 .192 .017 -.078 -.084 -.136

Ps 301-309 13.028 11.763 12.457 12.731 12.718 11.552 13.990 14.404 11.257

Ps 201-206 11.205 11.337 11.566 11.369 10.976 11.133

Ps 207-212 14.171 14.289 14.395 14.350 14.185 14.145

Ps 213-224 14.477 13.067 12.556 12.035 11.728 11.882 11.739 11.431 10.981 10.606 ~~11.524~~ 11.648

Ps 225-236 14.290 13.270 11.901 11.252 10.624 10.848 10.874 10.702 10.371 10.254 11.269 12.206

Ps 237-245 14.329 14.322 14.335 14.336 14.334 13.679 14.236 10.744 11.060

Pcw = 11.264 L = .0414 Pcb = 14.256 Ptc/Pcw = 1.267 Wc = 2.05 T = 76. B = 29.99

Run 20-8 C1 I0 S1 B1 Eng 1 α=0° β=0° m/m*= 0.730

Pt/Pto 131-144
1.000 1.000 .999 .997 .992 .990 1.000 1.000 .999 .998 .993 .990 .988 .985

Cp 330-344
-.161 -.254 -.510 -.387 -.186 .471 -.135 -.477 -.626 -.536 -.416 -.146 -.129 -.180 -.311

Pt/Pto 101-130
.931 .992 .953 .985 .816 .880 .958 1.000 .993 .999
.831 .894 .993 1.000 1.000 1.000 .860 .906 1.000 1.000
1.000 1.000 .908 .936 1.000 1.000 1.000 1.000 .980 .987

Ptc = 14.332 Ptc/Pto = .960 K = .1922

Cp 310-320
-.110 .803 .470 .237 .134 -.033 -.177 -.220 -.197 -.140 -.089

Cp 321-329
-.373 .773 .492 .292 .174 -.000 -.071 -.122 -.192

Ps 301-309 11.951 12.137 12.700 13.052 13.122 12.208 11.002 11.325 11.945

Ps 201-206 11.974 12.109 12.217 12.153 11.869 11.961

Ps 207-212 11.192 11.264 11.332 11.316 11.226 11.165

Ps 213-224 14.423 13.081 11.033 12.363 12.447 12.509 12.318 12.112 11.905 11.455 12.035 12.328

Ps 225-236 14.008 12.623 11.749 11.578 11.890 11.942 11.738 11.541 11.400 14.692 11.905 12.598

Ps 237-245 14.564 14.631 14.633 14.633 14.633 10.752 11.159 11.589 11.858

Pcw = 12.047 L = .0243 Pcb = 11.249 Ptc/Pcw = 1.190 Wc = 1.86 T = 72. B = 29.91

Run 21-14 C1 I0 S1 B1 Eng 1 α=0° β=0° m/m*= 0.803

Pt/Pto 131-144

1.000	1.000	.999	.997	.992	.989	1.000	1.000	.999	.998	.993	.989	.987	.985

Cp 330-344

.159	-.264	-.522	-.407	-.210	.471	-.140	-.487	-.642	-.553	-.437	-.188	-.220	-.219	-.416

Pt/Pto 101-130

.937	.988	.926	.973	.749	.835	.970	1.000	.987	.998
.772	.856	.996	1.000	1.000	1.000	.818	.871	1.000	1.000
1.000	1.000	.888	.915	1.000	1.000	1.000	1.000	.979	.984

Ptc = 14.152 Ptc/Pto = .948 K = .2654

Cp 310-320

-.066	.898	.573	.317	.209	.007	-.165	-.213	-.194	-.139	-.091

Cp 321-329

-.388	.850	.568	.358	.228	.034	-.052	-.110	-.190

Ps 301-309	11.219	11.399	12.062	12.538	12.661	11.401	13.556	14.109	10.979	
Ps 201-206	10.972	11.207	11.343	11.245	10.808	10.957				
Ps 207-212	13.935	14.047	14.148	14.096	13.919	13.938				
Ps 213-224	14.129	12.534	-10.588	11.697	11.796	11.866	11.595	11.297	10.998	10.321	11.088	11.494
Ps 225-236	13.655	12.009	10.920	10.692	11.083	11.156	10.847	10.540	10.296	14.689	10.912	11.857
Ps 237-245	14.521	14.608	14.608	14.608	14.606	n.g.	13.891	14.411	10.784			

Pcw = 11.089 L = .0378 Pcb = 14.014 Ptc/Pcw = 1.276 Wc = 2.07 T = 69. B = 29.91

Run 14-33 C1 I0 S0 B1 Eng 1 α=0° β=0° m/m'=~~.677~~ 0.732

Pt/Pto 131-144
1.015 1.015 1.015 1.013 1.009 1.007 1.015 1.015 1.015 1.013 1.009 1.006 1.003 1.000

Cp 330-344
~~.002~~ -.004 -.008 -.006 -.003 .007 -.002 -.007 -.010 -.008 -.006 -.002 -.002 -.002 -.003

Pt/Pto 101-130
.988 1.012 1.005 .994 .987 1.000 .994 1.015 1.015 1.007
1.013 1.010 .994 1.015 1.015 1.013 1.015 1.014 1.001 1.015
1.015 1.015 1.015 1.015 1.014 1.015 1.015 1.015 1.015 1.015

Ptc = 14.843 Ptc/Pto = 1.009 K = .0280

Cp 310-320
~~-.001~~ .009 .004 .002 .001 -.001 -.003 -.003 -.003 -.002 -.001

Cp 321-329
~~-.007~~ .009 .005 .003 .001 -.001 -.001 -.002 -.003

Ps 301-309 13.542 13.517 13.831 13.999 14.039 13.832 13.331 13.035 12.989

Ps 201-206 12.718 12.858 12.960 12.914 12.652 12.576

Ps 207-212 12.154 12.248 12.291 12.247 12.158 12.081

Ps 213-224 14.790 13.974 ~~10.580~~ 13.584 13.685 13.777 13.784 13.758 13.732 13.207 13.182 13.133

Ps 225-236 14.539 13.770 13.306 13.252 13.437 13.513 13.470 13.428 13.400 14.702 13.312 13.496

Ps 237-245 11.739 14.163 13.655 14.254 11.095 11.851 12.467 12.508 12.508

Pcv = 12.780 L = .0259 Pcb = 12.197 Ptc/Pcv = 1.161 Wc = 1.82 T = 74. B = 29.92

Run 15-17 C1 I0 S0 B1 Eng 1 α=0° β=0° m/m* = ~~.221~~ 0.218

Pt/Pto 131-144

1.015	1.015	1.015	1.013	1.009	1.006	1.015	1.015	1.015	1.013	1.009	1.006	1.001	1.000

Cp 330-344

~~-.002~~	-.004	-.008	-.006	-.003	.007	-.002	-.007	-.010	-.008	-.007	-.003	-.004	-.003	-.004

Pt/Pto 101-130

.984	1.013	.997	.984	.940	.989	.989	1.016	1.014	1.003
1.009	1.005	.987	1.015	1.016	1.012	1.015	1.013	.996	1.016
1.016	1.015	1.016	1.015	1.013	1.016	1.016	1.016	1.016	1.016

Ptc = 14.783 Ptc/Pto = 1.005 K = .0751

Cp 310-320

~~-.000~~	.011	.007	.003	.002	-.001	-.003	-.003	-.003	-.002	-.001

Cp 321-329

~~-.007~~	.011	.007	.004	.002	-.000	-.001	-.002	-.003

Ps 301-309 12.990 13.116 13.422 13.660 13.763 13.526 12.815 12.385 12.336

Ps 201-206 11.936 12.135 12.276 12.219 11.848 11.778

Ps 207-212 11.168 11.300 11.368 11.319 11.163 11.067

Ps 213-224 14.622 13.599 ~~10.055~~ 13.181 13.314 13.467 13.455 13.420 13.381 12.575 12.574 12.527

Ps 225-236 14.305 13.338 12.769 12.732 12.980 13.102 13.033 12.975 12.935 14.696 12.754 13.009

Ps 237-245 11.159 n.g. n.g. 13.778 14.082 14.529 11.581 11.785 11.764

Pcw = 12.032 L = .0337 Pcb = 11.231 Ptc/Pcw = 1.229 Wc = 2.04 T = 73. B = 29.91

Run 3-22 C1 I2 S2 B1 Eng 1 α=0° β=0° m/m*=~~.620~~ .661

Pt/Pto 131-144

.991	.988	.985	.975	1.012	1.029	.996	.993	.991	.989	.989	.990	.984	.984

Cp 330-344

~~-.186~~	-.248	-.502	.381	-.201	.478	.122	.458	-.600	-.502	-.367	.009	~~-.288~~	-.158	-.482

Pt/Pto 101-130

.989	.993	.980	1.017	.992	.989	1.000	1.000	1.000	1.008
1.000	1.000	1.000	1.000	1.000	.997	1.000	1.000	1.000	1.000
1.000	.990	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.930 Ptc/Pto = .999 K = .0370

Cp 310-320

.967	~~-.149~~	.576	.345	.220	.021	-.094	-.181	-.232	-.146	.089

Cp 321-329

.997	.655	.369	.227	.146	.033	~~-.009~~	~~-.009~~	-.008

Ps 301-309 16.507 12.299 17.128 12.712 ~~14.543~~ 13.247 13 268 13.251 13.263

Ps 201-206 13.312 16.119 13.237 13.133 16.519 16.458

Ps 207-212 12.662 16.789 16.756 12.706 16.782 12.628

Ps 213-224 13.421 12.273 11.929 12.176 12.773 12.915 12.966 12.946 16.534 13.180 15.998 15.895

Ps 225-236 15.214 12.944 17.404 17.416 17.089 16.556 12.992 13.015 16.441 13.075 13.333 16.001

PS 237-245 17.730 10.960 14.710 ~~11.754~~ 17.573 12.691 13.164 16.165 13.430

Pcw = 14.796 L = .2267 Pcb = 14.721 Ptc/Pcw = 1.009 Wc = ~~.50~~ T = 73. B = 29.96

Run 3-23 C1 I2 S2 B1 Eng 1 α=0° β=-4° m/m*=~~.610~~ 0.661

Pt/Pto 131-144
.994 .990 .983 .971 .954 .945 .991 .989 .987 .987 .987 .988 .984 .984

Cp 330-344
~~.280~~ -.170 -.451 -.353 -.172 .467 -.131 -.458 -.599 .497 .364 .051 ~~-.285~~ .124 .431

Pt/Pto 101-130
.989 .991 .968 .961 .991 .991 1.000 1.000 .987 .968
1.000 1.000 1.000 1.000 .999 .995 1.000 1.001 1.001 1.001
1.000 .990 1.000 1.000 1.001 1.000 1.001 1.000 1.000 1.000

Ptc = 14.870 Ptc/Pto = .994 K = .0399

Cp 310-320
1.004 ~~-.167~~ .568 .364 .235 .036 -.079 -.170 -.224 -.157 -.097

Cp 321-329
1.022 .837 .581 .401 .306 .160 ~~-.043~~ ~~-.043~~ ~~-.043~~

Ps 301-309 16.683 12.244 17.201 12.597 ~~14.545~~ 13.258 13.273 13.24 13.261

Ps 201-206 13.307 13.333 13.224 13.131 12.928 12.989

Ps 207-212 12.656 12.659 12.693 12.704 12.666 12.621

Ps 213-224 13.450 12.308 11.94 12.182 12.761 12.911 12.959 12.940 12.914 13.175 13.454 13.556

Ps 225-236 15.570 12.512 17.753 17.690 17.275 12.760 12.888 16.512 12.959 13.075 13.331 13.451

Ps 237-245 12.445 11.615 11.251 ~~11.673~~ 17.570 12.767 13.210 13.324 13.470

Pcw = 13.152 L = .0272 Pcb = 12.666 Ptc/Pcw = 1.131 Wc = 1.69 T = 74. B = 29.96

Run 3-24 C1 I2 S2 B1 Eng 1 α=0° β=-10° m/m*=~~.670~~ 0.661

Pt/Pto 131-144

.985	.979	.972	.965	.959	1.014	.978	.978	.980	.980	.982	.984	.983	.983

Cp 330-344

~~-.370~~	-.094	-.410	-.348	-.174	.407	-.161	-.470	-.594	-.488	-.345	.104	~~-.281~~	-.094	.430

Pt/Pto 101-130

.989	1.007	.972	.971	.994	.993	1.000	.986	.983	.974
.997	1.000	1.000	.998	.991	.975	.998	1.000	1.000	1.000
.998	.991	.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.859 Ptc/Pto = .994 K = .0362

Cp 310-320

.925	~~-.137~~	.568	.338	.212	.011	-.105	-.194	-.258	-.216	-.169

Cp 321-329

.753	.978	.779	.617	.508	.328	~~-.099~~	~~-.098~~	~~-.099~~

Ps 301-309	12.374	11.935	11.906	12.258	~~14.538~~	13.198	13.223	13.193	13.206			
Ps 201-206	13.264	13.269	13.181	13.087	16.573	12.934						
Ps 207-212	12.596	12.600	12.637	12.644	12.607	16.895						
Ps 213-224	13.417	12.278	11.902	17.338	12.695	12.848	16.561	12.867	12.840	13.111	13.399	13.507
Ps 225-236	13.255	11.971	11.652	11.788	12.032	12.247	12.395	16.913	12.659	13.036	13.269	13.389
Ps 237-245	13.596	12.715	12.216	~~17.739~~	12.258	16.562	13.227	13.312	13.475			

Pcw = 13.718 L = .2449 Pcb = 13.330 Ptc/Pcw = 1.083 Wc = 1.40 T = 74. B = 29.96

Run 3-25 C1 I2 S2 B1 Eng 1 α=0° β=4° m/m* ~~0.660~~ 0.659

Pt/Pto 131-144
.982 .979 .978 .970 .956 .935 .997 .996 .994 .991 .990 .990 .984 .984

Cp 330-344
~~-.070~~ -.349 -.569 -.426 -.252 .469 -.122 -.463 -.606 -.508 -.377 -.107 ~~-.273~~ -.206 -.561

Pt/Pto 101-130
.989 .994 .992 .952 .990 .979 1.000 1.000 1.000 .964
.998 .997 1.000 1.000 1.000 .979 .999 .999 1.000 1.000
1.000 .994 .999 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.863 Ptc/Pto = .994 K = .0480

Cp 310-320
.894 ~~-140~~ .522 .309 .182 -.018 -.131 -.213 -.258 -.159 -.105

Cp 321-329
.859 .338 .132 .034 -.023 .099 ~~-.013~~ ~~-.017~~ -.016

Ps 301-309 13.143 12.201 12.312 12.777 ~~14.530~~ 13.219 13.251 13.229 16.208

Ps 201-206 13.297 13.324 13.229 13.120 12.934 12.989

Ps 207-212 12.644 12.645 12.679 12.684 12.654 12.610

Ps 213-224 13.330 12.183 17.600 12.123 12.756 12.889 12.94 12.925 12.900 13.161 13.444 13.546

Ps 225-236 14.512 13.326 12.377 12.280 12.561 12.989 13.053 13.056 13.040 13.061 13.318 13.443

Ps 237-245 18.517 14.274 15.250 ~~11.533~~ 11.757 16.859 13.075 13.211 13.362

Pcw = 13.149 L = .0262 Pcb = 12.653 Ptc/Pcw = 1.130 Wc = 1.68 T = 74. B = 29.96

Run 3-26 C1 I2 S2 B1 Eng 1 α=0° β=10° m/m*=~~.630~~ 0.659

Pt/Pto 131-144

.966	.960	.958	.951	.938	.917	.993	.992	.991	.988	.987	.988	.983	.983

Cp 330-344

~~-.14~~	-.531	-.699	-.529	-.374	.424	-.14	-.481	-.624	-.530	-.404	-.440	~~-.267~~	-.299	-.704

Pt/Pto 101-130

.982	.995	.996	.975	.966	.939	.999	1.000	1.000	.979
.972	.949	1.000	1.000	1.000	.983	.982	.958	1.000	1.000
1.000	.993	.992	.971	1.000	1.000	1.000	1.000	.999	.996

Ptc = 14.767 Ptc/Pto = .988 K = .0618

Cp 310-320

.781	~~-.158~~	.452	.204	.073	-.125	-.230	-.300	-.335	-.225	-.169

Cp 321-329

.470	-.088	-.206	-.240	-.267	-.281	~~-.058~~	~~-.059~~	~~-.057~~

Ps 301-309	13.203	11.506	11.776	17.169	~~14.534~~	13.080	16.335	13.100	13.128	
Ps 201-206	16.258	13.234	13.138	13.026	12.859	12.933				
Ps 207-212	12.519	12.523	12.561	12.562	12.535	12.494				
Ps 213-224	13.102	11.926	11.591	11.877	12.568	12.689	16.718	12.705	12.673	12.989	13.313	13.427
Ps 225-236	14.729	13.707	12.644	12.432	16.770	16.519	12.987	12.956	12.915	12.887	13.181	13.333
Ps 237-245	11.622	11.871	11.891	~~11.581~~	11.931	11.873	12.190	12.800	13.141			

Pcw = 13.574 L = .2301 Pcb = 12.532 Ptc/Pcw = 1.088 Wc = 1.43 T = 74. B = 29.96

Run 4-32 C1 I2 S2 B1 Eng 1 α=0° β=0° m/m' [illegible] 0.732

Pt/Pto 131-144
.968 .986 .984 .974 .955 .932 .937 .935 .992 .989 .988 .989 .984 .984

Cp 330-344
~~-.183~~ -.253 -.510 -.392 -.223 .484 -.126 -.404 -.612 -.515 -.384 -.021 -.663 -.205 -.612

Pt/Pto 101-130
.985 .989 .975 .939 .993 .989 1.001 1.001 1.000 .949
1.000 1.000 1.000 1.000 1.000 .967 1.000 1.000 1.000 1.000
1.000 .991 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.832 Ptc/Pto = .993 K = .0017

Cp 310-320
.875 ~~-.067~~ .689 .434 .294 .063 -.069 -.163 -.219 -.144 -.091

Cp 321-329
1.017 .782 .475 .310 .213 .076 ~~-.009~~ ~~-.006~~ ~~-.006~~

Ps 301-309 12.450 11.540 11.538 11.978 12.512 12.788 12.817 12.801 12.821

Ps 201-206 12.794 12.778 12.684 12.764 12.589 12.510

Ps 207-212 12.043 12.043 12.092 12.108 12.072 12.002

Ps 213-224 12.728 11.458 11.058 11.383 12.167 12.365 12.433 12.410 12.379 12.716 13.069 13.195

Ps 225-236 13.843 12.263 11.151 11.158 11.695 12.306 12.449 12.485 12.492 12.586 12.914 13.068

Ps 237-245 11.094 14.126 13.751 ~~12.033~~ 11.139 12.132 12.704 12.856 13.035

Pcw = 12.687 L = .0191 Pcb = 12.060 Ptc/Pcw = 1.169 Wc = 1.86 T = 66. B = 29.94

Run 4-38 C1 I2 S2 B1 Eng 1 α=0° β=0° m/m* = ~~.697~~ 0.735

Pt/Pto 131-144

.988	.985	.983	.974	.955	.932	.997	.995	.992	.989	.989	.989	.984	.984

Cp 330-344

~~-.183~~	-.255	-.511	-.394	-.227	.473	-.126	-.468	-.613	-.516	-.385	-.030	~~-.280~~	-.205	-.629

Pt/Pto 101-130

.986	.991	.972	.937	.992	.987	1.000	1.000	.999	.947
1.000	1.000	1.000	1.000	1.000	.966	1.000	1.000	1.000	1.000
1.000	.991	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.828 Ptc/Pto = .992 K = .0636

Cp 310-320

.840	~~-.154~~	.677	.437	.296	.069	-.068	-.164	-.220	-.144	-.087

Cp 321-329

.981	.779	.462	.312	.211	.079	~~-.01~~	-.010	-.011

Ps 301-309 12.285 11.449 11.431 11.886 ~~14.587~~ 12.728 12.763 12.743 12.759

Ps 201-206 12.821 12.854 12.724 12.588 12.333 12.407

Ps 207-212 11.970 11.977 12.020 12.020 11.981 11.920

Ps 213-224 12.625 11.350 10.94 11.281 12.107 12.293 12.365 12.342 12.308 12.656 13.021 13.155

Ps 225-236 13.796 12.181 11.037 11.041 11.584 12.236 12.376 12.416 12.418 12.520 12.863 13.021

Ps 237-245 11.008 14.018 13.627 ~~12.133~~ 11.015 12.057 12.642 12.798 12.984

Pcw = 12.621 L = .0351 Pcb = 11.981 Ptc/Pcw = 1.175 Wc = 1.88 T = 69. B = 29.94

Run 4-39 C1 I2 S2 B1 Eng 1 α=0° β=-4° m/m*= [illegible] 0.733

Pt/Pto 131-144

.994 .991 .986 .974 .953 .937 .994 .991 .988 .987 .987 .988 .984 .984

Cp 330-344

~~.274~~ -.178 -.465 -.371 -.203 .456 -.140 -.473 -.615 -.517 -.387 .007 ~~-.294~~ -.174 -.572

Pt/Pto 101-130

.986 .988 .957 .942 .991 .989 1.000 1.000 .978 .954
1.000 1.000 1.000 1.000 .997 .967 .999 1.000 1.000 1.000
1.000 .989 .999 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.812 Ptc/Pto = .991 K = .0586

Cp 310-320

.864 ~~-132~~ .080 .442 .303 .076 -.062 -.158 -.221 -.158 -.102

Cp 321-329

.890 .916 .636 .470 .362 .138 ~~-.04~~ -.045 ~~-.04~~

Ps 301-309 12.242 11.423 11.400 11.730 14.579 12.762 12.785 12.760 12.778

Ps 201-206 12.836 12.867 12.733 12.609 12.343 12.424

Ps 207-212 11.992 11.998 12.041 12.04 12.003 11.941

Ps 213-224 12.706 11.441 11.019 11.332 12.124 12.317 12.385 12.359 12.327 12.672 13.035 13.166

Ps 225-236 13.400 11.759 10.726 10.811 11.309 12.087 12.266 12.343 12.381 12.553 12.881 13.034

Ps 237-245 11.796 10.758 14.268 ~~11.692~~ 11.087 12.160 12.711 12.854 13.042

Pcw = 12.635 L = .0354 Pcb = 12.004 Ptc/Pcw = 1.172 Wc = 1.86 T = 70. B = 29.94

Run 4-40 C1 I2 S2 B1 Eng 1 α=0° β=-10° m/m*=~~.771~~ 0.736

Pt/Pto 131-144
.981 .975 .967 .957 .94 .941 .979 .979 .97[illegible] .980 .981 .983 .983 .983

Cp 330-344
~~-.365~~ -.104 -.421 -.365 -.206 .404 -.170 -.480 -.608 -.504 -.365 .050 ~~-.294~~ -.136 -.565

Pt/Pto 101-130
.985 .94 .964 .962 .988 .992 1.000 .977 .976 .964
.996 1.000 1.000 .995 .986 .968 .996 1.000 1.000 .999
.997 .987 .997 1.000 1.000 1.000 1.000 .999 .999 1.000

Ptc = 14.779 Ptc/Pto = .989 K = .0527

Cp 310-320
.783 ~~-.128~~ .646 .425 .282 .054 -.086 -.182 -.252 -.218 -.171

Cp 321-329
.518 .395 .823 .671 .559 .363 ~~-.099~~ -.097 ~~-.099~~

Ps 301-309 11.744 11.033 10.973 11.328 ~~14.573~~ 12.667 12.697 12.658 12.682

Ps 201-206 12.749 12.757 12.647 12.522 12.254 12.321

Ps 207-212 11.872 11.879 11.931 11.934 11.884 11.821

Ps 213-224 12.618 11.356 10.904 11.201 12.003 12.196 12.258 12.222 12.184 12.551 12.930 13.074

Ps 225-236 12.685 11.180 10.813 10.944 11.265 11.473 11.626 11.738 1 .936 12.456 12.764 12.922

Ps 237-245 12.960 11.857 11.213 ~~11.560~~ 11.317 12.227 12.679 12.795 13.010

Pcw = 12.542 L = .0340 Pcb = 11.887 Ptc/Pcw = 1.178 Wc = 1.88 T = 70. B = 29.94

Run 4-41 C1 I2 S2 B1 Erg 1 α=0° β=4° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
.978 .974 .974 .967 .952 .947 .937 .936 .994 .991 .989 .989 .984 .984

Cp 330-344
~~.065~~ -.354 -.573 -.433 -.279 .461 -.133 -.476 -.621 -.525 -.397 -.101 ~~-.296~~ -.249 -.699

Pt/Pto 101-130
.986 .993 .986 .94 .977 .981 1.000 1.000 1.000 .954
.993 .998 1.000 1.000 1.000 .975 .997 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.833 Ptc/Pto = .993 K = .0564

Cp 310-320
.794 ~~.140~~ .636 .388 .248 .023 -.110 -.201 -.250 -.160 -.107

Cp 321-329
.938 .531 .246 .124 .044 -.054 ~~-.019~~ -.018 -.018

Ps 301-309 12.525 11.509 11.501 11.976 ~~14.517~~ 12.752 12.798 12.770 12.786

Ps 201-206 12.846 12.382 12.764 12.619 12.398 12.445

Ps 207-212 12.012 12.014 12.057 12.052 12.017 11.961

Ps 213-224 12.594 11.331 10.951 11.300 12.147 12.317 12.390 12.367 12.335 12.679 13.040 13.175

Ps 225-236 14.175 12.677 12.407 11.407 11.794 12.394 12.496 12.510 12.493 12.546 12.883 13.04

Ps 237-245 14.303 n.g. n.g. ~~11.593~~ 10.935 11.994 12.590 12.750 12.944

Pcw = 12.059 L = .0326 Pcb = 12.019 Ptc/Pcw = 1.172 Wc = 1.86 T = 71. B = 29.94

Run 4-42 C1 I2 S2 B1 Eng 1 α=0° β=10° m/m* [illegible] 0.731

Pt/Pto 131-144
.960 .953 .952 .94 .929 .904 .901 .991 .990 .987 .984 .980 .983

Cp 330-344
[illegible] -.538 -.706 -.544 -.395 .417 -.155 -.402 -.638 -.54 -.423 -.495 [illegible] -.34 -.842

Pt/Pto 101-130
.985 .994 .995 .973 .967 .952 1.000 1.000 1.000 .973
.975 .965 1.000 1.000 1.000 .983 .985 .972 1.000 1.000
1.000 .992 .995 .987 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.704 Ptc/Pto = .990 K = .0492

Cp 310-320
.037 [illegible] .532 .289 .140 -.078 -.206 -.287 -.345 -.385 -.169

Cp 321-329
.712 .110 -.044 -.151 -.197 -.241 [illegible] [illegible] [illegible]

Ps 301-309 12.746 10.904 11.116 11.015 [illegible] 12.753 12.778 12.714 12.730

Ps 201-206 12.799 12.841 12.721 12.581 12.359 12.412

Ps 207-212 11.94 11.951 11.990 11.989 11.956 11.904

Ps 213-224 12.384 11.151 10.709 11.144 12.061 12.227 12.305 12.280 12.24 12.607 12.982 13.122

Ps 225-236 14.529 13.217 11.956 11.741 12.074 12.484 12.544 12.524 12.408 12.481 12.826 12.997

Ps 237-245 n.g. n.g. n.g. [illegible] 10.813 11.195 12.24 12.040 12.052

Pcw = 12.619 L = .0329 Pcb = 11.958 Ptc/Pcw = 1.172 Wc = 1.80 T = 71. B = 29.94

Run 4-43 C1 I2 S2 B1 Eng 1 α=4° β=0° m/m' [redacted] 0.732

Pt/Pto 131-144

.988	.984	.980	.969	.950	.931	.995	.993	.991	.990	.990	.991	.984	.984

Cp 330-344

~~.175~~	-.303	-.551	-.414	-.224	.432	-.207	-.547	-.675	-.554	-.409	-.035	~~-.301~~	-.200	-.592

Pt/Pto 101-130

.987	.990	.968	.937	.991	.988	1.000	1.000	.996	.948
.999	1.000	1.000	1.000	1.000	.960	1.000	1.000	1.000	1.000
1.000	.982	.999	1.000	1.000	1.000	1.000	.999	1.000	1.000

Ptc = 14.814 Ptc/Pto = .991 K = .0638

Cp 310-320

.908	~~.114~~	.596	.359	.232	.115	-.103	-.187	-.235	-.140	-.081

Cp 321-329

.969	.820	.526	.381	.281	.135	~~-.013~~	~~-.015~~	~~-.012~~

Ps 301-309	12.257	11.453	11.439	11.866	~~14.558~~	12.760	12.783	12.766	12.782			
Ps 201-206	12.84	12.878	12.742	12.616	12.357	12.435						
Ps 207-212	12.005	12.009	12.055	12.056	12.013	11.954						
Ps 213-224	12.930	11.579	11.123	11.408	12.164	12.340	12.405	12.376	12.34h	12.680	13.040	13.174
Ps 225-236	13.677	12.056	10.956	10.985	11.571	12.218	12.368	12.419	12.430	12.547	12.883	13.040
Ps 237-245	11.069	14.112	13.737	~~10.966~~	11.069	12.101	12.675	12.828	13.010			

Pcw = 12.645 L = .0352 Pcb = 12.015 Ptc/Pcw = 1.172 Wc = 1.86 T = 71. B = 29.94

Run 4-44 C1 I2 S2 B1 Eng 1 α=-4° β=0° m/m*=~~.677~~ 0.732

Pt/Pto 131-144
.988 .986 .985 .978 .960 .935 .998 .997 .993 .990 .988 .988 .984 .984

Cp 330-344
~~-.180~~ -.206 -.460 -.372 -.228 .515 -.04 -.377 -.538 -.463 -.350 -.012 ~~-.364~~ -.137 -.641

Pt/Pto 101-130
.986 .991 .978 .94 .993 .988 1.000 1.000 1.000 .953
1.000 1.000 1.000 1.000 1.000 .976 1.000 1.000 1.000 1.000
1.000 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.850 Ptc/Pto = .993 K = .0567

Cp 310-320
.757 ~~-.119~~ .730 .496 .354 .122 -.032 -.136 -.202 -.139 -.093

Cp 321-329
.972 .677 .361 .218 .126 .002 ~~-.025~~ ~~-.026~~ ~~-.025~~

Ps 301-309 12.457 11.553 11.560 12.038 ~~14.550~~ 12.781 12.821 12.798 12.810

Ps 201-206 12.870 12.902 12.781 12.64 12.399 12.466

Ps 207-212 12.039 12.045 12.086 12.086 12.051 11.992

Ps 213-224 12.389 11.233 10.897 11.272 12.140 12.332 12.413 12.395 12.367 12.711 13.066 13.196

Ps 225-236 13.967 12.414 11.272 11.242 11.707 12.34 12.472 12.499 12.496 12.577 12.910 13.067

Ps 237-245 11.058 14.070 13.689 ~~10.777~~ 11.086 12.108 12.689 12.841 13.022

Pcw = 12.677 L = .0339 Pcb = 12.050 Ptc/Pcw = 1.171 Wc = 1.86 T = 71. B = 29.95

Run 4-45 C1 I2 S2 B1 Eng 1 α=-4° β=-4° m/m*=~~.697~~ 0.734

Pt/Pto 131-144
.994 .993 .991 .981 .960 .939 .997 .994 .990 .987 .980 .987 .984 .984

Cp 330-344
~~-.492~~ -.110 -.396 -.329 -.183 .500 -.052 -.382 -.538 -.462 -.34 .016 ~~-.306~~ -.163 -.584

Pt/Pto 101-130
.986 .990 .961 .939 .994 .989 1.000 1.000 .989 .952
1.000 1.000 1.000 1.000 1.000 .973 1.000 1.000 1.001 1.000
1.001 .996 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.833 Ptc/Pto = .992 K = .0619

Cp 310-320
.784 ~~-.123~~ .753 .515 .373 .144 -.012 -.117 -.191 -.139 -.091

Cp 321-329
.942 .872 .568 .404 .302 .146 ~~-.051~~ ~~-.053~~ ~~-.053~~

Ps 301-309 12.313 11.498 1..482 1..910 ~~14.557~~ 12.782 12.805 12.779 12.795

Ps 201-206 12.851 12.883 12.74 12.624 12.363 12.443

Ps 207-212 12.013 12.018 12.062 12.064 12.024 11.965

Ps 213-224 12.420 11.262 10.903 11.270 12.117 12.317 12.395 12.376 12.34 12.694 13.050 13.183

Ps 225-236 13.547 11.916 10.839 10.899 11.509 12.180 12.343 12.404 12.425 12.564 12.897 13.050

Ps 237-245 11.768 14.719 14.232 ~~14.673~~ 11.1.1 12.169 12.724 12.868 13.055

Pcw = 12.652 L = .0351 Pcb = 12.024 Ptc/Pcw = 1.172 Wc = 1.87 T = 71. B = 29.95

Run 4-46 C1 I2 S2 B1 Eng 1 α=-4° β=-10° m/m*=[illegible] 0.735

Pt/Pto 131-144
.994 .990 .985 .975 .957 .94 .987 .985 .983 .981 .982 .983 .983 .983

Cp 330-344
~~.486~~ -.016 -.334 -.303 -.164 .449 -.086 -.394 -.538 -.460 -.344 -.038 ~~-.302~~ -.126 -.532

Pt/Pto 101-130
.985 .962 .963 .952 .932 .991 1.000 .991 .975 .960
.999 1.000 1.000 .999 .989 .975 .999 1.000 1.000 1.000
.999 .996 .999 1.000 1.000 1.000 1.000 .999 1.000 1.000

Ptc = 14.810 Ptc/Pto = .991 K = .042

Cp 310-320
.729 ~~-1.4~~ .720 .497 .356 .124 -.029 -.136 -.211 -.187 -.145

Cp 321-329
.632 .996 .781 .631 .522 .335 ~~-.109~~ ~~-.108~~ ~~-.109~~

Ps 301-309 11.929 11.24 11.199 11.551 ~~14.551~~ 12.715 12.754 12.713 12.740

Ps 201-206 12.800 12.815 12.691 12.575 12.300 12.378

Ps 207-212 11.936 11.945 11.991 11.993 11.950 11.880

Ps 213-224 12.399 11.240 10.850 11.197 12.040 12.242 12.314 12.288 12.253 12.622 12.989 13.128

Ps 225-236 12.874 11.310 10.658 10.884 11.263 11.636 11.84 12.008 12.137 12.522 12.825 12.979

Ps 237-245 12.762 11.662 11.061 ~~14.696~~ 11.264 12.251 12.722 12.844 13.051

Pcw = 12.593 L = .0348 Pcb = 11.950 Ptc/Pcw = 1.176 Wc = 1.88 T = 71. B = 29.95

Run 4-47 C1 I2 S2 B1 Eng 1 α=-4° β=4° m/m = [illegible] C.[illegible]

Ft/Pto 131-144

.978 .974 .974 .938 .955 .949 .997 .997 .998 .992 .989 .989 .984 .984

Cp 330-344

~~-.048~~ -.321 -.540 -.432 -.298 .508 -.049 -.384 -.345 -.473 -.368 -.135 ~~-.304~~ -.24 -.737

Ft/Pto 101-130

.985 .993 .991 .992 .971 .993 1.000 1.000 1.000 .994
.988 .998 1.000 1.000 1.000 .980 .996 .992 1.000 1.000
1.000 .992 1.000 1.000 1.000 1.000 1.000 1.000 1.000 1.000

Pto = 14.850 Pto/Pto = .994 K = .040

Cp 310-320

.705 ~~-1.3~~ .705 .455 .312 .074 -.076 -.179 -.239 -.105 -.122

Cp 321-329

.908 .423 .199 .022 -.051 -.142 ~~-.[illegible]~~ ~~-.029~~ ~~-.028~~

Ps 301-309 12.630 11.462 11.503 12.053 ~~14.549~~ 12.749 12.798 12.764 12.775

Ps 201-206 12.838 12.873 12.754 12.612 12.393 12.431

Ps 207-212 11.997 11.999 12.048 12.038 12.603 13.947

Ps 213-224 13.254 11.100 10.780 11.173 12.093 12.280 12.304 12.345 12.316 12.508 13.034 13.108

Ps 225-236 14.271 12.812 11.606 11.409 11.848 12.421 12.513 12.518 12.499 12.539 12.876 13.039

Ps 237-245 14.299 n.g. n.g. ~~14.54~~ 10.882 11.947 12.567 12.736 12.934

Pcw = 12.690 L = .0323 Pcb = 12.004 Pto/Pcw = 1.174 Wc = 1.87 T = 72. B = 29.95

Run 4-48 C1 I2 S2 B1 Eng 1 α=-4° β=10° m/m*=~~.679~~ 0.732

Pt/Pto 131-144
.959 .953 .952 .94 .932 .908 .992 .992 .993 .990 .986 .986 .983 .983

Cp 330-344
~~-.121~~ -.524 -.696 -.556 -.439 .465 -.071 -.403 -.565 -.495 -.388 -.482 ~~-.303~~ -.353 -.890

Pt/Pto 101-130
.984 .995 .995 .978 .962 .947 1.000 1.000 1.000 .989
.970 .961 1.000 1.000 1.000 .993 .981 .969 1.000 1.000
1.000 .998 .993 .987 1.000 1.000 1.000 1.000 1.000 1.000

Ptc = 14.799 Ptc/Pto = .990 K = .0536

Cp 310-320
.493 ~~-.193~~ .573 .341 .197 -.036 -.185 -.279 -.328 -.247 -.203

Cp 321-329
.573 -.031 -.220 -.273 -.318 -.347 ~~-.084~~ ~~-.064~~ ~~-.682~~

Ps 301-309 12.894 10.747 10.987 11.766 ~~14.541~~ 12.745 12.765 12.701 12.727

Ps 201-206 12.788 12.830 12.710 12.573 12.347 12.408

Ps 207-212 11.930 11.935 11.981 11.970 11.939 11.885

Ps 213-224 12.029 10.888 10.590 11.006 11.998 12.187 12.274 12.254 12.224 12.595 12.972 13.112

Ps 225-236 14.588 13.325 12.050 11.805 12.128 12.498 12.555 12.529 12.487 12.468 12.816 12.988

Ps 237-245 n.g. n.g. n.g. ~~14.543~~ 10.772 11.150 12.229 12.627 12.835

Pcw = 12.609 L = .0326 Pcb = 11.940 Ptc/Pcw = 1.174 Wc = 1.86 T = 72. B = 29.95

MF 3 Dec 66

Run 5-1 C1 I2 S2 B1 Eng 1 α=0° β=0° m/m° = ~~[illegible]~~ 0.815

Pt/Pto 131-144

.984	.981	.981	.972	.951	.923	.998	.996	.993	.989	.987	.988	.984	.984

Cp 330-344

~~[illegible]~~	-.259	-.521	-.408	-.254	.468	-.129	-.474	-.625	-.530	-.402	-.065	-.765	-.255	-.789

Pt/Pto 101-130

.980	.985	.962	.926	.990	.988	1.000	1.000	.998	.936
.999	1.000	1.000	1.000	1.000	.963	.999	1.000	1.000	1.000
1.000	.992	.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Ptc = 14.801 Ptc/Pto = .991 K = .0755

Cp 310-320

.630	~~.180~~	.780	.525	.367	.115	-.052	-.147	-.207	-.143	-.086

Cp 321-329

.931	.895	.581	.398	.286	.127	~~-.01[illegible]~~	~~-.01[illegible]~~	~~-.01[illegible]~~

Ps 301-309	11.825	14.428	14.370	10.789	11.636	12.103	12.141	12.128	12.158			
Ps 201-206	12.097	12.084	11.951	12.073	11.829	11.713						
Ps 207-212	11.073	11.086	11.147	11.173	11.105	11.012						
Ps 213-224	11.699	10.276	9.723	10.167	11.241	11.518	11.611	11.579	11.536	12.012	12.493	12.663
Ps 225-236	13.267	11.309	9.771	9.771	10.525	11.406	11.605	11.663	11.680	11.839	12.293	12.502
Ps 237-245	14.333	n.g.	n.g.	~~14.716~~	13.765	11.272	11.991	12.188	12.432			

Pcw = 11.958 L = .0259 Pcb = 11.100 Ptc/Pcw = 1.238 Wc = 2.07 T = 71. B = 29.94