APPENDIX B

TABLE I. — LIST OF EQUATIONS

1.1 $A = 1.50\, C^i + 0.90\, B^i + 0.84\, n - 18.0\, m_{Lb}$

1.2 $d = 1.25\, D - 0.11\, t$

1.3 $E = D + L_c + K_I + K_R, + (E_E - E'_F - E''_F)$

1.4 $h = h_{-1} + 0.92\, v_B$ or $v_B = 1.09\, \Delta h$

1.5 $M = M'' + M'$

1.6 $M = Bs + 0.9\, B^b - 2.93\, m_{Lb}$

1.7 $m_{Ls} = 0.67\, d - 0.041\, n$

1.8 $p = 0.80\, p' + 0.20\, m_R$

1.9 $S = \int (Z^c - D) + 2.29\, t$

1.10 $U = u + 0.60\, p$

1.11 $u = u' + w - w_{-1}$

1.12 $U' = u' + 0.60\, p$

1.13 $V = V' + V_B$

1.14 $v = v' + v_B$

1.15 $V' = v' + 0.15 q$

1.16 $V_B = 0.98\, v_B + 0.028 q_B$

2.1 $U' = 0.95\, (L_w + L_s) + 0.77\, E + E'_F + 0.28\, G + 0.049\, \Delta\, p^f + 0.03\, p + 0.37\, t$

2.2 $E'_F = 0.025\, p^f$

2.3 $E''_F = 0.015\, p^f$

2.4 $v' = 0.33\, (Z^c + Z^c_{-1}) - 0.47\, [m_{Ls} + (m_{Ls})_{-1}] - 0.015\, (q + q_{-1}) + 0.060\, [p + p_{-1} - \frac{1}{2}\, l - \frac{1}{2}\, l_{-1}] + 0.63\, t$

2.5 $v_B = -0.30\, h_{-4} + 0.074\, Z^c + 0.042\, m_R - 0.031\, q_B - 0.038\, m_{Lb} + 0.10\, t$

2.6 $w = 0.105\, u' + 0.047\, u'_{-1} - 0.187\, (m_S)_{+\frac{1}{2}} - 0.307\, t$

3.1 $l_{+0.42} = 0.30\,(u + v) + 0.39\,p + 0.51\,t$

3.2 $m_{\mathrm{R}} = -3.51\,h_{-2} + 2.13\,(\mathrm{L}_w + \mathrm{L}_s)_{-1} - 0.25\,p'_{-1} + 1.21\,t$

3.3 $\dot{p}_{+0.21} = 0.47\,l + 0.25\,pf - 1.04\,t$

3.4 $p^f = -9.54\,f + 2.61\,(\mathrm{L}_w + \mathrm{L}_s) - 0.58\,t$

3.5 $q = 0.35\,l + 1.29\,v'_{-0.46} - 2.58\,t$

4.1 $\mathrm{B} = 4.88\,t$

4.2 $\mathrm{C} = 3.18\,t$

4.3 $\mathrm{B}_s = 0.16\,(\mathrm{U} + \mathrm{V}) + 0.26\,m_{\mathrm{L}s} + 2.56\,m_{\mathrm{L}b} + 0.055\,n + 0.08\,\mathrm{C}$

4.4 $\mathrm{M} = 6.6\,m_{\mathrm{S}} - 25\,\mathrm{M}' - 26\,\mathrm{VC} + 26\,\mathrm{A}u + 26\,\mathrm{P}$

4.56 $\mathrm{B}_s = 0.63\,\mathrm{M} + 1.51\,m_{\mathrm{S}} - 1.10\,m_{\mathrm{L}b} + 0.12\,\dot{m}_{\mathrm{L}b}$

4.57 $\mathrm{B}^b = 0.41\,\mathrm{M} - 1.68\,m_{\mathrm{S}} + 4.48\,m_{\mathrm{L}b} - 0.14\,\dot{m}_{\mathrm{L}b}$

4.61 $\mathrm{M}' = 0.043\,(\mathrm{L}_w + \mathrm{L}_s + \mathrm{E}'_{\mathrm{F}}) - 0.076\,t + \mathrm{H}$

4.612 $\mathrm{H} = 0.30\,(\mathrm{Z}^c_m - \mathrm{Z}^c - 7)''$

4.63 $\mathrm{M}'' = 0.29\,(\mathrm{U} + \mathrm{V}) + 0.03\,\mathrm{C} + 0.020\,n - 0.42\,m_{\mathrm{S}} + 0.90\,t$

4.8 $n = 20.6\,d - 6.4\,m_{\mathrm{L}b} + 2.36\,(n - n_{-1} - 20)'' + 2.09\,t - 5$

5.1 $\mathrm{D} = 0.151\,\mathrm{Z}^c + 0.083\,\mathrm{Z}^c_{-1} + 0.075\,\mathrm{S}_{-1}$

5.2 $\mathrm{E}_{\mathrm{E}} = \mathrm{E}'_{\mathrm{F}} + \mathrm{E}''_{\mathrm{F}} + 0.110\,\mathrm{Z}^c + 0.066\,\mathrm{Z}^c_{-1} + 0.16\,t$

5.3 $\mathrm{G} = 0.088\,\dot{n} + 0.112\,\dot{n}_{-1}$

5.4 $\mathrm{K}_{\mathrm{I}} = 0.02\,\int(\mathrm{Z}^c_{-1} + \mathrm{Z}^c_{-2}) + 0.11\,t$

5.5 $\mathrm{K}_{\mathrm{R}} = 0.069\,\mathrm{Z}^c + 0.029 m_{\mathrm{R}}$

5.6 $\mathrm{L}_c = 0.047\,\mathrm{Z}^c + 0.046\,\mathrm{Z}^c_{-1} + 0.073\,t$

5.7 $\mathrm{L}_s = 0.170\,\mathrm{Z}^c + 0.185\,\mathrm{Z}^c_{-1} + 0.225\,\mathrm{Z}^c_{-2} + 0.40\,t$

5.8 $\mathrm{L}_w = 0.28\,(u + v) + 0.30\,l - 0.73\,t$

5.9 $\mathrm{N} = 0.036\,(u + v) + 0.037\,q + 0.04\,\int\mathrm{V} + 0.12\,t$

5.10 $\mathrm{Z} = \mathrm{U} + \mathrm{V} - (\mathrm{L}_w + \mathrm{L}_s + \mathrm{L}_c + \mathrm{K}_{\mathrm{R}} + \mathrm{K}_{\mathrm{I}} + \mathrm{N})$

5.11 $\mathrm{Z} = 1.45\,\mathrm{Z}^c + 0.26\,\mathrm{Z}^c_{-1} - 0.02\,t$

TABLE II. — TREATMENT OF THE MONETARY GROUP

(All trend terms omitted)

No.	References	Variable "explained"	Explanatory variables								Omissions
			$Au + P$	M'	m_S	n	$U + V$	C	m_{Lb}	M	
1	4.4	M =	26	−25	6.6						VC [*cf.* section (4.62)]
2	4.63, 1.5	M =		1	−0.42	0.020	0.29	0.03			
3	1 − 2	0 =	26	−26	7.02	−0.020	−0.29	−0.03			
4	3	$-0.42\, m_S$ =	1.56	−1.56		−0.001	−0.02				
5	2 + 4	M =	1.56	−0.56		0.019	0.27	0.03			
6	4.56	B_s =			1.51				−1.10	0.63	$0.12\, \dot{m}_{Lb}$
7	5	0.63 M =	0.98	−0.35		0.012	0.17	0.02			
8	3	$1.51\, m_S$ =	−5.61	5.61		0.004	0.06	0.01			
9	6 + 7 + 8	B_s =	−4.63	5.26		0.016	0.23	0.03	−1.10		
					m_{Ls}					d	
10	4.3	B_s =			0.26	0.055	0.16	0.08	2.56		
11	9 − 10	0 =	−4.63	5.26	−0.26	−0.039	0.07	−0.05	−3.66		
12	1.7, 4.2	0 =			0.26	0.011		0.05		−0.17	
13	11 + 12	0 =	−4.63	5.26		−0.028	0.07		−3.66	−0.17	
					$(n - n_{-1} - 20)''$	$L_w + L_s + E_F'$		H			
14	4.8	$-0.028n$ =			−0.07				0.18	−0.58	Constant term
15	13 + 14	0 =	−4.63	5.26	−0.07		0.07		−3.48	−0.75	
16	15	m_{Lb} =	−1.33	1.51	−0.02		0.02			−0.22	
17	16	$-6.4\, m_{Lb}$ =	8.51	−9.67	0.13		−0.13			1.38	
18	4.8, 16	n =	8.51	−9.67	2.49		−0.13			22.0	Constant term
19	4.61	1.51 M′ =				0.065		1.51			
20	4.61	−9.67 M′ =				−0.416		−9.67			
21 = 4.92	16 + 19	m_{Lb} =	−1.33		−0.02	0.065	0.02	1.51		−0.22	
22 = 4.91	18 + 20	n =	8.51		2.49	−0.416	−0.13	−9.67		22.0	

TABLE III. — THE PRICE GROUP AND THE STRATEGIC GROUP

(All trend and cumulants omitted)

No.	References	Equations used	Omissions
		Price group	
1.8′	1.8	$p = 0.80\, p' + 0.20\, m_R$	
1.10′	1.10	$U = u + 0.60\, p$	
1.11′	1.11	$u = u' + w - w_{-1}$	
1.12′	1.12	$U' = u' + 0.60\, p$	
3.1′	3.1	$l_{+0.42} = 0.30\,(u + v) + 0.39\, p$	
3.2′	3.2, 5.7	$m_R = -3.51\, h_{-2} + 0.362\, Z^c_{-1} + 0.394\, Z^c_{-2} + 0.479\, Z^c_{-3} + 2.13\, L_{w-1} - 0.25\, p'_{-1}$	
3.3′	3.3	$p'_{+0.21} = 0.47\, l + 0.25\, p^f$	
3.4′	3.4, 5.7	$p^f = -9.54\, f + 0.444\, Z^c + 0.483\, Z^c_{-1} + 0.587\, Z^c_{-2} + 2.61\, L_w$	
3.5′	3.5	$q = 0.35\, l + 1.29\, v'_{-0.46}$	
5.8′	5.8	$L_w = 0.28\,(u + v) + 0.30\, l$	

TABLE III *(continued)*

No.	References	Equations used	Omissions
		Strategic group	
2.1′	5.1, 2.2, 5.7, 1.3, 5.3, 5.1, 1.9, 5.6, 5.4, 5.5, 5.2	$U' = 0.452\,Z^c + 0.326\,Z^c_{-1} + 0.214\,Z^c_{-2} + 0.056\,(n - n_{-1})^* + 0.049\,\Delta p^f + 0.95\,L_w + 0.022\,m_R + 0.025\,p^f + 0.03\,p$	
2.4′	2.4, 1.7, 1.2, 5.1, 1.9	$v' = 0.271\,Z^c + 0.237\,Z^c_{-1} - 0.033\,Z^c_{-2} + 0.020\,n + 0.019\,n_{-1} - 0.030\,q_{-0.50} + 0.120\,(p - \tfrac{1}{2}\,l)_{-0.50}$	
2.5′	2.5	$\dagger\, v_B = -0.30\,h_{-4}$	$0.074\,Z^c, 0.042\,m_R, -0.031\,q_B, -0.038\,m_{Lb}$ †
1.4′	1.4	$v_B = 1.09\,\Delta h$	
2.6′	2.6	$w = 0.105\,u' + 0.047\,u'_{-1}$	$-0.187\,(m_S)_{+\frac{1}{2}}$
4.6′	4.612	$H = 0.30\,(Z^c_m - Z^c - 7)''$	
4.91′	4.91, 1.2, 5.1, 1.9, 2.2, 5.7, 1.13, 1.14, 1.15, 1.16	$n = 4.087\,Z^c + 2.210\,Z^c_{-1} - 0.095\,Z^c_{-2} - 0.13\,(U + v) - 0.020\,q - 0.42\,L_w - 0.011\,p^f + 2.49\,(n - n_{-1} - 20)'' - 9.67\,H + 8.51\,(Au + P)$	$-0.004\,q_B$
5.10′	5.10, 5.11, 1.13, 1.15, 1.16, 2.5, 5.4 — 5.7, 5.9	$1.45\,Z^c + 0.26\,Z^c_{-1} = U + v' - 0.29\,h_{-4} + 0.11\,q + 0.012\,m_R - L_w - 0.036\,(u + v) - 0.213\,Z^c - 0.231\,Z^c_{-1} - 0.225\,Z^c_{-2}$	$-0.002\,q_B, \quad -0.037\,m_{Lb}$

* $0.025\,\dot{n} + 0.031\,\dot{n}_{-1}$ may, with good approximation, be replaced by $0.056\,\dot{n}_{-\frac{1}{2}}$, which again may be replaced by $0.056\,(n - n_{-1})$.

† The approximating form of equation 2.5′ will only be used:

(i) to study the systematic connection between 2.5 and 1.4 (section (6.6)).

(ii) in the substitution of v_B in line 265, where v_B has a very small coefficient.

In equation 5.10′, however, v_B has been substituted by equation 2.5, with the omission only of the m_{Lb}-term.

TABLE IV. — TREATMENT OF THE PRICE GROUP

No.	References[1]	Variable "explained"	Explanatory variables								
			Coeff.	Var.	Lag	Coeff.	Lag	Coeff.	Lag	Coeff.	Lag
			Various			m_R		p^f		$u + v$	
101	1.8′, 3.3′	$p =$	0.376	l	*−0.21*	0.200		0.200	*−0.21*		
102	101, 3.1′	$p =$	0.147	p	*−0.63*	0.200		0.200	*−0.21*	0.113	*−0.63*
103	102, R	$p =$				0.234	*−0.11*	0.234	*−0.32*	0.132	*−0.74*
										$U + v$	
104	103, 1.10′	$p =$	−0.079	p	*−0.74*	0.234	*−0.11*	0.234	*−0.32*	0.132	*−0.74*
105	104, R	$p =$				0.217	*−0.06*	0.217	*−0.27*	0.122	*−0.69*
106	1.10′, 105, C, R	$(u+v) =$				−0.130	*−0.06*	−0.130	*−0.27*	0.927	*+0.05*
107	3.1′, 106, 105, C	$l =$				0.046	*−0.48*	0.046	*−0.69*	0.326	*−0.48*
108	5.8′, 106, 107, C	$L_w =$				−0.022	*0.23*	−0.022		0.358	*−0.09*
109	3.5′, 107, C	$q =$	1.290	v'	*−0.46*	0.016	*−0.48*	0.016	*−0.69*	0.114	*−0.48*
								$-9.54\, f + 0.444\, Z^c + 0.483\, Z^c_{-1} + 0.587\, Z^c_{-2}$			
110	3.4′, 108, R	$p^f =$				−0.054	*0.23*	0.946		0.884	*−0.09*
						$-3.51\, h_{-2} + 0.362\, Z^c_{-1} + 0.394\, Z^c_{-2} + 0.479\, Z^c_{-3}$					
111	3.2′, 3.3′, 107, 108, 110, C, R	$m_R =$				0.956	*0.04*	−0.104	*−1.12*	0.596	*−0.99*
112	110, 111, C, R	$p^f =$				−0.052	*0.27*	0.952		0.852	*−0.07*

We now combine, in 111 and in 112, the first two terms and put:

$$F^1 = -3.36\, h_{-1.96} + 0.021\, Z^c + 0.299\, Z^c_{-1} + 0.330\, Z^c_{-2} + 0.373\, Z^c_{-3} + 0.992\, f_{-1.12}$$

$$F^2 = 0.181\, h_{-1.73} + 0.415\, Z^c + 0.441\, Z^c_{-1} + 0.536\, Z^c_{-2} - 0.015\, Z^c_{-3} - 9.084\, f_{-0.01}$$

[1] See note on next page.

TABLE IV *(continued)*

No.	References [1]	Variable "explained"	Explanatory variables								
			Coeff.	Var.	Lag	Coeff.	Lag	Coeff.	Lag	Coeff.	Lag
			Various			**F1**		**F2**		**U + *v***	
113	111, F1	m_R =				1.000				0.596	*—0.99*
114	112, F2	p^f =						1.000		0.852	*—0.07*
115	105	p =				0.217	*—0.06*	0.217	*—0.27*	0.436	*—0.65*
116	106	$u+v$ =				—0.130	*—0.06*	—0.130	*—0.27*	0.739	*0.22*
117	107 113, 114, C	l =				0.046	*—0.48*	0.046	*—0.69*	0.392	*—0.58*
118	108	L_w =				—0.022	*0.23*	—0.022		0.326	*—0.06*
119	109	q =	1.290	v'	*—0.46*	0.016	*—0.48*	0.016	*—0.69*	0.138	*—0.59*

[1] The symbols C and R are used in the column "References" to indicate:

C: a *combination* into one term of two or more terms with the same variable on the right-hand side of the equation. The coefficient of this one term is found by the addition of the coefficients of the various terms combined, and its lag is an average of the lag of the various terms weighted according to the coefficients of each of those terms:

$$\beta_1 X_{-\theta_1} + \beta_2 X_{-\theta_2} + \ldots = (\beta_1 + \beta_2 + \ldots) X_{-\frac{\beta_1\theta_1 + \beta_2\theta_2 + \ldots}{\beta_1 + \beta_2 + \ldots}}$$

R: a *rearrangement*, consisting in the combination as described above, on the left-hand side, of terms with the same variable in both members of the equation, and the subsequent application to all terms of such a factor and such a shift in time as to obtain a coefficient 1 and a lag 0 in the left-hand member.

APPENDIX C

STATISTICAL MATERIAL USED

Standard Units

1. *Money Items:* milliards of \$ (10^9 \$).
2. *Physical Quantities:* milliards of \$ of 1929, *i.e.* values at 1929 prices.
3. *Prices:* Indices, 1929 = 100; except n: 1926 = 100.
4. *Interest rates:* in %.

Variables	Deviations from Average														Average 1919-1932	Variables
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932		
A	— 76	— 77	— 72	— 51	— 44	— 31	— 10	7	35	76	133	109	37	— 37	174	A
Au	—0.94	—1.20	—0.78	—0.26	—0.01	0.37	0.31	0.39	0.50	0.14	0.22	0.39	0.64	0.17	3.78	Au
B^b	—2.4	—2.6	—2.7	—2.8	—1.9	—1.3	—0.6	—0.5	0.3	1.4	1.3	1.7	3.9	6.8	16.3	B^b
ΔB^e	.	—2.9	1.6	—1.1	1.9	3.2	2.8	2.3	2.6	2.4	1.7	—2.7	—5.0	—7.2	4.6	ΔB^e
(ΔB^g + ΔB^g_s)	4.81	—1.82	—0.53	—0.68	—0.81	—0.90	—0.70	—1.13	—1.10	—0.67	—0.93	—0.23	1.79	2.95	—0.03	(ΔB^g + ΔB^g_s)
B^i	— 29	— 24	— 20	— 18	— 13	— 7	— 1	5	10	15	20	23	20	18	100	B^i
(B^i — R^e)	—0.11	0.77	0.66	—0.08	0.09	—0.28	—0.16	—0.08	—0.21	0.19	0.30	—0.38	—0.37	—0.34	0.65	(B^i — R^e)
B$_s$	—3.8	0.8	—2.4	—5.2	—3.7	—3.0	—0.3	1.4	2.7	5.6	8.0	5.2	0.8	—5.5	36.5	B$_s$
B^g_s	2.45	1.47	1.26	0.38	—0.76	—0.91	—1.17	—1.29	—1.12	—0.73	—0.48	—0.71	0.24	1.32	2.13	B^g_s
C	— 26	— 20	— 11	— 9	— 6	— 3	— 3	— 2	2	7	15	22	17	12	71	C
ΔC	.	9	2	— 3	3	— 3	— 3	— 1	3	1	10	— 3	— 12	— 5	3	ΔC
H	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.89	2.08	—	H
M′	—0.01	0.40	—0.04	—0.33	—0.05	—0.05	—0.09	—0.05	—0.11	0.16	—0.13	—0.33	0.10	0.84	4.01	M′
M″	—9.7	—7.6	—9.8	—7.4	—1.1	—1.5	1.9	3.9	6.6	9.3	9.4	7.1	4.2	2.7	13.8	M″
P	0.82	0.74	—0.26	—0.31	—0.38	—0.19	—0.11	—0.16	—0.10	0.19	0.39	0.10	—0.03	0.69	2.28	P
R^r	—0.34	—0.22	—0.39	—0.28	—0.19	—0.04	0.11	0.15	0.23	0.30	0.30	0.31	0.22	—0.16	2.06	R^r
S	— 18	— 13	— 13	— 13	— 8	— 7	— 3	0	6	13	22	22	12	3	35	S

APPENDIX C *(continued)*

Variables	Deviations from Average														Average 1919-1932	Variables
	1919	1920	1921	1922	1923	1924	1925	1926	1927	1928	1929	1930	1931	1932		
D	—1.2	—0.9	—1.2	—1.1	—0.3	—0.3	0.2	0.6	0.9	1.2	1.8	1.7	0.3	—1.3	4.0	D
E	—4.6	—2.8	—3.7	—2.3	—0.8	—0.1	1.2	1.5	2.2	3.5	4.9	3.7	0.6	—3.0	18.7	E
E_A	—0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	E_A
E_E	0.1	1.9	—1.4	—1.0	—0.3	0.1	0.6	0.7	0.8	1.1	1.6	0.5	—1.3	—3.2	12.2	E_E
E'_F	0.5	1.7	—0.1	—0.3	0.1	0.1	0.0	0.2	0.2	0.2	0.4	0.0	—0.9	—1.6	3.7	E'_F
E''_F	0.7	0.6	—0.2	—0.2	—0.1	0.0	0.2	0.1	0.0	0.0	—0.2	—0.3	—0.5	—0.7	1.7	E''_F
G	0.2	0.1	—0.5	0.3	0.4	1.0	3.6	2.6	3.4	6.8	5.2	—4.3	—11.5	—7.5	1.0	G
K_I	—1.1	—0.9	—0.8	—0.7	—0.5	—0.3	—0.1	0.0	0.3	0.5	0.7	0.8	0.8	0.8	3.3	K_I
K_R	—0.4	—0.3	—0.2	0.3	0.4	0.6	0.5	0.3	0.1	0.3	0.3	—0.1	—0.8	—1.2	1.8	K_R
L_c	—0.7	—0.3	—0.4	—0.3	—0.1	—0.1	0.1	0.2	0.3	0.5	0.6	0.4	0.0	—0.6	2.7	L_c
L_s	—2.3	—2.6	—2.3	—2.2	—1.3	—0.3	0.3	1.0	1.8	2.5	2.6	2.3	1.0	—0.9	11.9	L_s
L_w	—2.5	4.1	—4.9	—3.2	1.5	0.5	1.6	3.3	2.5	3.0	5.5	1.5	—3.7	—9.5	27.6	L_w
Z	3.4	3.2	—5.8	0.0	2.8	2.6	5.2	4.8	4.1	5.8	6.3	—3.7	—12.0	—17.1	16.1	Z
Z^c	3.9	1.4	—4.0	0.3	1.8	0.9	3.1	3.0	2.0	3.7	4.2	—2.9	—7.8	—10.1	4.5	Z^c
N	—1.7	—0.3	—1.2	—0.9	0.0	—0.3	0.0	0.9	0.9	1.0	1.7	1.1	0.2	—0.9	9.4	N
U	—7.5	0.1	—13.7	—7.7	—0.3	—0.1	4.0	8.3	8.1	10.7	14.8	4.7	—6.0	—15.7	59.3	U
U′	—8.6	0.0	—13.8	—7.9	—1.0	—0.1	4.0	8.2	7.9	10.8	14.8	5.1	—5.3	—14.7	59.3	U′
U'_D	—1.0	—0.1	—1.9	—1.7	0.0	0.5	1.2	1.9	1.4	1.7	2.6	0.4	—1.6	—3.4	7.5	U'_D
U'_N	—7.6	—0.2	—11.9	—6.0	—1.1	—0.5	2.8	6.2	6.4	9.7	12.2	4.7	—3.7	—11.3	51.8	U'_N
V	—1.7	0.3	—3.8	—2.2	2.0	1.5	2.5	3.3	3.6	5.1	4.6	0.4	—5.0	—10.0	18.2	V
V′	—0.6	1.8	—3.0	—2.6	0.7	0.0	0.4	1.7	2.3	4.0	4.7	1.5	—3.3	—7.6	15.5	V′
V_B	—1.2	—1.6	—0.9	0.4	1.3	1.5	2.1	1.6	1.4	1.1	—0.1	—1.2	—1.7	—2.4	2.7	V_B

d	−0.2	−0.2	−1.4	−1.3	−0.5	−0.7	0.3	1.0	1.2	1.4	2.0	1.3	−0.2	−2.1	5.9	d
l	−15	4	−5	−8	−1	2	2	4	5	5	7	7	2	−8	93	l
m_{Lb}	0.27	0.90	0.81	−0.04	0.00	−0.13	−0.26	−0.38	−0.51	−0.49	−0.28	−0.46	−0.30	0.89	4.98	m_{Lb}
$\dot{m}_{Lb}$	0.32	0.33	−0.61	−0.51	0.04	−0.26	−0.12	−0.17	−0.15	0.15	−0.01	−0.25	1.05	0.22	0.04	$\dot{m}_{Lb}$
m_{Ls}	−1.0	0.2	−0.3	−1.0	0.2	−0.2	−0.1	0.2	0.1	−0.7	−1.2	−0.2	1.5	2.7	4.7	m_{Ls}
m_S	0.9	2.8	2.1	0.0	0.3	−0.8	−0.7	−0.5	−0.7	0.2	1.1	−0.8	−2.1	−1.9	4.7	m_S
m_R	−25	−11	4	6	7	10	9	8	6	4	1	−2	−7	−16	99	m_R
n	−25	−32	−41	−28	−27	−23	−6	4	23	54	95	54	−1	−47	96	n
$\dot{n}$	7	−11	2	14	−3	14	16	12	28	40	8	−57	−56	−12	1	$\dot{n}$
p	2	18	2	−3	0	1	4	4	2	1	0	−3	−13	−22	100	p
p_D	14	39	22	2	−1	−3	−5	−8	−7	−6	−4	−8	−14	−18	104	p_D
p_N	1	15	0	−3	1	2	6	6	4	2	1	−2	−12	−22	99	p_N
p'	8	25	3	−3	−1	−1	3	4	2	1	1	−2	−13	−22	99	p'
p^f	49	48	−11	−7	0	1	10	2	−2	5	3	−11	−37	−52	97	p^f
q	6	19	2	−5	5	6	2	2	1	1	0	−4	−12	−23	100	q
q_B	−2	23	−1	−14	5	6	2	3	2	2	2	0	−10	−22	98	q_B
$f_{+\frac{1}{2}}$	.	−1.4	−2.3	−1.1	−1.0	−1.1	−0.8	−0.1	0.0	0.5	1.1	1.3	2.4	1.9	11.6	$f_{+\frac{1}{2}}$
h	−19	−18	−16	−13	−9	−6	−1	3	7	11	13	14	15	15	165	h
u	−9	−10	−15	−7	−1	−1	1	5	6	9	14	6	1	−4	60	u
u'	−10	−10	−15	−7	−2	−1	1	5	6	9	14	6	2	−3	60	u'
v	−2.6	−2.7	−4.0	−1.2	1.1	0.5	2.2	3.0	3.4	5.0	4.7	1.2	−3.1	−7.4	18.1	v
v'	−1.4	−0.8	−3.0	−2.1	0.0	−0.7	0.2	1.5	2.1	4.0	4.9	2.5	−1.5	−5.1	15.3	v'
v_B	−1.2	−1.9	−1.0	0.9	1.1	1.2	2.0	1.5	1.3	1.0	−0.2	−1.3	−1.7	−2.4	2.8	v_B
w	−0.7	−0.6	−0.4	−0.3	0.4	0.4	0.4	0.5	0.7	0.6	0.6	0.2	−0.6	−1.9	6.7	w
α	−0.04	0.25	0.33	0.13	0.18	0.08	−0.09	−0.12	−0.18	−0.32	−0.32	−0.08	0.02	0.22	1.71	α
t	−6.5	−5.5	−4.5	−3.5	−2.5	−1.5	−0.5	0.5	1.5	2.5	3.5	4.5	5.5	6.5	0.0	t