

DATA SET CATALOG #87

F₀ F₂ Coefficients
CORRFF2 Itapes
M(3000)F₂ Coefficients Itapes - CORRMF2

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1. INTRODUCTION:

The documentation for this data set was originally on paper, kept in NSSDC's Data Set Catalogs (DSCs). The paper documentation in the Data Set Catalogs have been made into digital images, and then collected into a single PDF file for each Data Set Catalog. The inventory information in these DSCs is current as of July 1, 2004. This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system. The information existing in the DSCs is now not needed for locating the data files, but we did not remove that inventory information.

The offline tape datasets have now been migrated from the original magnetic tape to Archival Information Packages (AIP's).

A prior restoration may have been done on data sets, if a requestor of this data set has questions; they should send an inquiry to the request office to see if additional information exists.

2. ERRATA/CHANGE LOG:

NOTE: Changes are made in a text box, and will show up that way when displayed on screen with a PDF reader.

When printing, special settings may be required to make the text box appear on the printed output.

Version	Date	Person	Page	Description of Change
01				
02				

3 LINKS TO RELEVANT INFORMATION IN THE ONLINE NSSDC
INFORMATION SYSTEM:

<http://nssdc.gsfc.nasa.gov/nmc/>

[NOTE: This link will take you to the main page of the NSSDC Master Catalog. There you will be able to perform searches to find additional information]

4. CATALOG MATERIALS:

- a. Associated Documents To find associated documents you will need to know the document ID number and then click here.
<http://nssdcftp.gsfc.nasa.gov/miscellaneous/documents/>

- b. Core Catalog Materials

MI-92A

CORRELATIVE DATA

F⁰ F² COEFFICIENTS

THIS DATA SET CONSISTS OF ONE 9-TRACK, 6250 BPI TAPE, WITH ONE FILE OF DATA. THIS TAPE CONTAINS 248 RECORDS (CARD IMAGES) PER MONTH OF DATA. THERE IS A TOTAL OF 10 MONTHS OF DATA MISSING FROM THIS TAPE. THE MONTHS ARE: 7/68; 9/68; 10/68; 12/68-06/69. THE TAPE NUMBERS AND TIME SPAN IS AS FOLLOWS:

D#	C#	FILES	TIME SPAN
D001794	C000195	1	01/01/67 - 01/01/76

*errors occurred in records 23811, 24308 and 24309, when this tape was converted from 7-track to 9-track.

MI-92B

MF2 COEFFICIENTS

M(3000)F2 COEFFICIENTS

THIS DATA SET HAS BEEN RESTORED. THERE WAS ORIGINALLY ONE 7-TRACK, 556 BPI TAPE WRITTEN IN BCD. THERE IS ONE RESTORED TAPE WRITTEN IN ASCII. THE DR TAPE IS A 3480 CARTRIDGE AND THE DS TAPE IS 9-TRACK, 6250 BPI. THE ORIGINAL TAPE WAS CREATED ON AN IBM 7094 COMPUTER AND THE RESTORED TAPE WAS CREATED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005976	DS005976	D005494	1	01/01/67 - 01/01/76

CORRELATIVE DATA

	CORRFF ²	
	CORRMF ²	
F ^o F ² COEFFICIENTS-	D-1794	C-0195
M(3000)F ² COEFFICIENTS-	D-5494	C-3468

All tapes are 556BPI, BCD, 7-track and contain one file of data.

D1794 converted to 94AK6250, lost records 23811, 24308, 24309.

Both data sets contain one file of data running from January, 1967 thru January 1976. The F^oF² tape contains 248 records (card images) per month of data. The M(3000)F² tape contains 112 records per month of data. There is a total of 10 months of data missing from each tape. Those months are:

7/68
9/68
10/68
12/68 thru 6/69

*Old
Coversheet*

CORRELATIVE DATA

CORR FF₂

CORR MF₂

F₀F₂ COEFFICIENTS - D-1794 C-0195
M(3000)F₂ COEFFICIENTS - D-5494 C-3468

ALL TAPES ARE 556 BPI, BCD, 7-TRACK, 1 FILE

BOTH DATA SETS CONTAIN ONE FILE OF DATA RUNNING FROM
JANUARY, 1967 THRU DECEMBER, 1973

THE F₀F₂ TAPE CONTAINS 248 RECORDS (CARD IMAGES)
PER MONTH OF DATA.

THE M(3000)F₂ TAPE CONTAINS 112 RECORDS PER MONTH
OF DATA.

THERE ~~ARE~~^{IS} A TOTAL OF 10 MONTHS OF DATA MISSING
FROM EACH TAPE. THOSE MONTHS ARE:

7/68

8/68

10/68

12/68 thru 6/69

IBM CARD CATALOGUE

January 1970

$U_{s,k}$ 4/card coefficient

INITIATED

CARD TITLE

IONOSPHERIC COEFFICIENTS

s	k	$U_{s,k}$	s	k	$U_{s,k}$	s	k	$U_{s,k}$	s	k	$U_{s,k}$	Card #
0	0	0	0	0	0	0	0	0	0	0	0	0
1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	3	3	3	3	3	3	3	3	3	3
4	4	4	4	4	4	4	4	4	4	4	4	4
5	5	5	5	5	5	5	5	5	5	5	5	5
6	6	6	6	6	6	6	6	6	6	6	6	6
7	7	7	7	7	7	7	7	7	7	7	7	7
8	8	8	8	8	8	8	8	8	8	8	8	8
9	9	9	9	9	9	9	9	9	9	9	9	9

CARD COLUMN	DESCRIPTION	REMARKS
1, 2; 19, 20; 37, 38; 55, 56	s	
3, 4; 21, 22; 39, 40; 57, 58	k	
5-18; 23-36 41-54; 59-72	$U_{s,k}$	BLANK = X.XXXXXXXXX±EXX
73	characteristic	For example: F=foF2 I=foE M=M-3000; E=foEs; H=h'F, F2
74, 75	year	
76, 77	month	
78-80	card number	Cards are sequentially numbered

1232	.1193455E&011233	-.9914629E&011234	.9157451E&011235	-.1643008E&02F7512237	REC	1, LENGTH	84										
1236	.1388791E-011237	-.3083095E-011238	-.4070129E-011239	-.5636289E-01F7512238	REC	2, LENGTH	84										
1240	-.5059711E&001241	.3141611E&001242	-.6846999E&001243	-.1219548E&00F7512239	REC	3, LENGTH	84										
1244	.3529723E&011245	-.4035357E&001246	.3000459E&011247	.1453578E&01F7512240	REC	4, LENGTH	84										
1248	-.7028664E&011249	-.2835265E&001250	-.2732789E&011251	-.1567375E&01F7512241	REC	5, LENGTH	84										
1252	.4171282E&011253	.5735052E&001254	.1404607E-011255	.1312287E-01F7512242	REC	6, LENGTH	84										
1256	.1654352E-011257	.2773461E-011258	-.3421053E-011259	-.3920854E-01F7512243	REC	7, LENGTH	84										
1260	-.8754191E-021261	-.1385048E&001262	.1443020E&001263	-.3055246E-01F7512244	REC	8, LENGTH	84										
1264	.2753354E-011265	.1046309E-011266	.1180925E-011267	-.3022256E-01F7512245	REC	9, LENGTH	84										
1268	.1436760E-011269	.8655229E-021270	.2652423E-011271	-.6168370E-01F7512246	REC	10, LENGTH	84										
1272	.2726300E-031273	-.8422829E-021274	.8176818E-021275	-.3355789E-02F7512247	REC	11, LENGTH	84										
					REC	12, LENGTH	84										
2	11	35	53	63	67	69	71	73	75	6	4500	280	123	7508F7601247	REC	13, LENGTH	84
0	0	.5685076E&01	0	1	.1066675E&01	0	2	.9314811E&01	0	3	-.1165468E&02F7601	1			REC	14, LENGTH	84
0	4	-.3899047E&02	0	5	-.1618179E&02	0	6	.4638075E&02	0	7	.1475849E&03F7601	2			REC	15, LENGTH	84
0	8	-.2404996E&02	0	9	-.2198801E&03	0	10	.5373369E&01	0	11	.9849542E&02F7601	3			REC	16, LENGTH	84
0	12	.3477705E-01	0	13	-.2371952E&00	0	14	-.1688653E&01	0	15	-.1298716E&01F7601	4			REC	17, LENGTH	84
0	16	.4241135E&01	0	17	.2589528E&00	0	18	.3852175E&02	0	19	.3010053E&02F7601	5			REC	18, LENGTH	84
0	20	-.4953526E&02	0	21	.1403924E&02	0	22	-.2208284E&03	0	23	-.1855647E&03F7601	6			REC	19, LENGTH	84
0	24	.1704044E&03	0	25	-.6915681E&02	0	26	.5400022E&03	0	27	.4507142E&03F7601	7			REC	20, LENGTH	84
0	28	-.2304634E&03	0	29	.1117256E&03	0	30	-.5971926E&03	0	31	-.4651721E&03F7601	8			REC	21, LENGTH	84
0	32	.1089139E&03	0	33	-.6000688E&02	0	34	.2435339E&03	0	35	.1715920E&03F7601	9			REC	22, LENGTH	84
0	36	.1110666E-01	0	37	-.7434613E-01	0	38	-.3188271E&00	0	39	.9309548E&00F7601	10			REC	23, LENGTH	84
0	40	.7219234E&00	0	41	.2530512E&01	0	42	.3269772E&01	0	43	-.6362481E&01F7601	11			REC	24, LENGTH	84
0	44	-.5072835E&01	0	45	-.1391866E&02	0	46	-.7483281E&01	0	47	.1014348E&02F7601	12			REC	25, LENGTH	84
0	48	.1247020E&02	0	49	.3063169E&02	0	50	.3656062E&01	0	51	-.2718397E&01F7601	13			REC	26, LENGTH	84
0	52	-.1037516E&02	0	53	-.2489361E&02	0	54	-.1470270E&00	0	55	-.2846447E-02F7601	14			REC	27, LENGTH	84
0	56	-.1472908E&00	0	57	-.2929814E&00	0	58	.9185199E&00	0	59	-.8168887E&00F7601	15			REC	28, LENGTH	84
0	60	.4119349E&00	0	61	.1000507E&01	0	62	-.1310119E&01	0	63	.1268095E&01F7601	16			REC	29, LENGTH	84
0	64	.5928439E-01	0	65	.2298506E-01	0	66	.1627698E-01	0	67	.8423370E-02F7601	17			REC	30, LENGTH	84
0	68	.3004920E-01	0	69	.5325520E-01	0	70	.5808008E-01	0	71	-.2511416E-01F7601	18			REC	31, LENGTH	84
0	72	-.3447991E-01	0	73	.3900762E-01	0	74	.6449660E-01	0	75	-.7476731E-01F7601	19			REC	32, LENGTH	84

FOF 2

January, 1967
January, 1976

1 4	-.5488841E&01	1 5	-.1408181E&02	1 6	.9643073E&01	1 7	.5867770E&02	F7601	21	REC	34,	LENGTH	84
1 8	-.9325797E&01	1 9	-.7452943E&02	110	.4038045E&01	111	.3011102E&02	F7601	22	REC	35,	LENGTH	84
112	.1717235E&01	113	-.1678369E&01	114	.1456207E&01	115	-.8785699E&00	F7601	23	REC	36,	LENGTH	84
116	.1077424E&02	117	-.9001928E&01	118	-.1720399E&02	119	-.7031218E&00	F7601	24	REC	37,	LENGTH	84
120	-.8154512E&02	121	.7052774E&01	122	.5034109E&02	123	.1099232E&02	F7601	25	REC	38,	LENGTH	84
124	.1971170E&03	125	.8801092E&02	126	-.6864095E&02	127	-.2486237E&02	F7601	26	REC	39,	LENGTH	84
128	-.2151091E&03	129	-.1886532E&03	130	.4904616E&02	131	.1604896E&02	F7601	27	REC	40,	LENGTH	84
132	.8935669E&02	133	.1053556E&03	134	-.1365536E&02	135	-.1721415E&01	F7601	28	REC	41,	LENGTH	84
136	-.7711093E-01	137	.1092606E-01	138	-.1713333E&00	139	.6136012E&00	F7601	29	REC	42,	LENGTH	84
140	-.7665999E&00	141	-.1867551E&01	142	.2705485E&01	143	-.6244874E&01	F7601	30	REC	43,	LENGTH	84
144	.1292542E&02	145	.2255346E&02	146	-.7384998E&01	147	.1842105E&02	F7601	31	REC	44,	LENGTH	84
148	-.2913138E&02	149	-.5805458E&02	150	.5835493E&01	151	-.1653454E&02	F7601	32	REC	45,	LENGTH	84
152	.1820290E&02	153	.4322537E&02	154	-.2895841E-01	155	.3749182E-01	F7601	33	REC	46,	LENGTH	84
156	.2497162E&00	157	.4122024E-01	158	.1045980E&00	159	.1458951E&00	F7601	34	REC	47,	LENGTH	84
160	-.1147317E&01	161	.2636402E-01	162	.6800007E&00	163	-.1855592E&00	F7601	35	REC	48,	LENGTH	84
164	.1992910E-01	165	-.5148291E-01	166	-.6638082E-01	167	-.1194651E&00	F7601	36	REC	49,	LENGTH	84
168	.8833328E-01	169	.1357127E-01	170	-.4308275E-01	171	.1201479E-01	F7601	37	REC	50,	LENGTH	84
172	.8229939E-02	173	.4759662E-02	174	.4381799E-01	175	.1435427E-01	F7601	38	REC	51,	LENGTH	84
2 0	-.2285070E-01	2 1	.4326759E-01	2 2	.1264318E&00	2 3	.2883139E&01	F7601	39	REC	52,	LENGTH	84
2 4	-.2577493E&01	2 5	-.1831019E&02	2 6	.1232947E&02	2 7	.3565984E&02	F7601	40	REC	53,	LENGTH	84
2 8	-.1965016E&02	2 9	-.2685580E&02	210	.9694764E&01	211	.6546620E&01	F7601	41	REC	54,	LENGTH	84
212	.1608694E&01	213	.1801575E&01	214	.1934226E&01	215	.7219892E&00	F7601	42	REC	55,	LENGTH	84
216	.8927711E&01	217	.7157775E&01	218	-.7576366E&01	219	-.5182417E&01	F7601	43	REC	56,	LENGTH	84
220	-.1586989E&01	221	-.4132146E&02	222	.3084920E&02	223	-.1939618E&02	F7601	44	REC	57,	LENGTH	84
224	-.1025840E&03	225	.6413007E&02	226	-.1118981E&03	227	.9121996E&02	F7601	45	REC	58,	LENGTH	84
228	.2014400E&03	229	-.3704720E&02	230	.1900831E&03	231	-.1077077E&03	F7601	46	REC	59,	LENGTH	84
232	-.1088676E&03	233	.6518583E&01	234	-.1073200E&03	235	.3975340E&02	F7601	47	REC	60,	LENGTH	84
236	.4917385E-02	237	.3790542E-01	238	.2608355E-01	239	.2699999E&00	F7601	48	REC	61,	LENGTH	84
240	-.9740947E-01	241	.1577276E&01	242	.1788327E&00	243	.2316237E&01	F7601	49	REC	62,	LENGTH	84
244	-.5225163E&01	245	-.1189926E&02	246	-.3809354E&01	247	-.8566921E&01	F7601	50	REC	63,	LENGTH	84
248	.1675007E&02	249	.2370652E&02	250	.4862388E&01	251	.5947492E&01	F7601	51	REC	64,	LENGTH	84
252	-.1226625E&02	253	-.1301735E&02	254	-.6490212E-01	255	.5968640E-01	F7601	52	REC	65,	LENGTH	84

256	-.2143830E00	257	-.4406345E-02	258	-.2160899E00	259	-.1016507E00F7601	53	REC	66,	LENGTH	84
260	.4131894E00	261	.2089762E-01	262	.7014384E00	263	.3520205E00F7601	54	REC	67,	LENGTH	84
264	.2488746E-01	265	-.3887687E-01	266	-.7459241E-01	267	-.4560304E-01F7601	55	REC	68,	LENGTH	84
268	-.4881983E-01	269	-.2408931E-01	270	.1035394E-01	271	-.3955202E-01F7601	56	REC	69,	LENGTH	84
272	-.5151515E-01	273	-.2021445E-01	274	-.3013497E-01	275	.5178681E-01F7601	57	REC	70,	LENGTH	84
3 0	.1699049E-01	3 1	-.1727436E00	3 2	-.1839358E00	3 3	.2380951E00F7601	58	REC	71,	LENGTH	84
3 4	-.4027591E00	3 5	-.6403415E00	3 6	.1848339E02	3 7	.1360736E00F7601	59	REC	72,	LENGTH	84
3 8	-.2592972E02	3 9	.9266064E00	310	.1169322E02	311	-.6438180E00F7601	60	REC	73,	LENGTH	84
312	.1401825E-01	313	-.5921253E-01	314	-.4565327E-01	315	-.7609289E00F7601	61	REC	74,	LENGTH	84
316	-.1060195E00	317	.1731967E00	318	-.2992537E00	319	.1048691E02F7601	62	REC	75,	LENGTH	84
320	.4831188E00	321	-.7353563E00	322	.2719646E02	323	-.5350611E02F7601	63	REC	76,	LENGTH	84
324	.1322860E02	325	.1641009E02	326	-.8583018E02	327	.1246103E03F7601	64	REC	77,	LENGTH	84
328	-.2853798E02	329	-.1903503E02	330	.1115877E03	331	-.1295844E03F7601	65	REC	78,	LENGTH	84
332	.1622416E02	333	.8200748E00	334	-.5165134E02	335	.4847367E02F7601	66	REC	79,	LENGTH	84
336	-.7142449E00	337	.2240824E-01	338	.1908314E00	339	-.9939829E00F7601	67	REC	80,	LENGTH	84
340	.1240667E00	341	-.3296606E00	342	-.2369609E00	343	.5468637E00F7601	68	REC	81,	LENGTH	84
344	.1693944E02	345	-.9424160E00	346	.4964085E00	347	-.6676895E00F7601	69	REC	82,	LENGTH	84
348	-.5343194E02	349	.4616055E02	350	.2740545E00	351	-.2727295E00F7601	70	REC	83,	LENGTH	84
352	.3999663E02	353	-.4094843E02	354	.4966680E-01	355	-.2627122E-01F7601	71	REC	84,	LENGTH	84
356	.2210402E-01	357	-.3490472E-01	358	-.8587364E-02	359	.4710548E00F7601	72	REC	85,	LENGTH	84
360	.1390788E00	361	-.1798778E00	362	.2849443E00	363	-.3047153E00F7601	73	REC	86,	LENGTH	84
364	.1966211E-01	365	-.5472543E-01	366	-.1158871E00	367	.2650333E-01F7601	74	REC	87,	LENGTH	84
368	-.1330984E-01	369	-.6526135E-01	370	-.2701256E-01	371	-.3973982E-01F7601	75	REC	88,	LENGTH	84
372	-.9278013E-02	373	.1005845E-01	374	.1497168E-01	375	.3005709E-01F7601	76	REC	89,	LENGTH	84
4 0	.1430291E-01	4 1	-.3435485E00	4 2	.7094318E00	4 3	.8011557E00F7601	77	REC	90,	LENGTH	84
4 4	-.3560917E00	4 5	-.4060147E02	4 6	.6774842E00	4 7	.8493533E02F7601	78	REC	91,	LENGTH	84
4 8	-.4991885E00	4 9	-.7858498E02	410	.9314700E00	411	.2650486E02F7601	79	REC	92,	LENGTH	84
412	.1073727E-01	413	-.5092915E-01	414	-.3949994E00	415	.3871304E00F7601	80	REC	93,	LENGTH	84
416	.3163901E00	417	.4216976E00	418	.1239007E02	419	-.8393896E00F7601	81	REC	94,	LENGTH	84
420	-.2988534E02	421	-.4278711E02	422	-.5631895E02	423	.4503126E02F7601	82	REC	95,	LENGTH	84
424	.9261703E02	425	.1349829E03	426	.8905674E02	427	-.1001148E03F7601	83	REC	96,	LENGTH	84
428	-.1176480E03	429	-.1668088E03	430	-.4852402E02	431	.9852720E02F7601	84	REC	97,	LENGTH	84

432	.5269768E&02	433	.7053808E&02	434	.2835312E&01	435	-.3663517E&02	F7601	85	REC	98,	LENGTH	84
436	-.4319409E-01	437	-.8075168E&00	438	.2880751E&00	439	-.8597390E-01	F7601	86	REC	99,	LENGTH	84
440	.3036040E&01	441	.4143554E&01	442	.1746596E&01	443	-.9133803E&00	F7601	87	REC	100,	LENGTH	84
444	.1142183E&02	445	.3230555E&01	446	-.1033453E&02	447	.3133951E&01	F7601	88	REC	101,	LENGTH	84
448	-.4989383E&02	449	-.3360477E&02	450	.1385060E&02	451	-.3449683E&00	F7601	89	REC	102,	LENGTH	84
452	.4296913E&02	453	.3275346E&02	454	.6489175E-01	455	.7666931E-01	F7601	90	REC	103,	LENGTH	84
456	-.1607175E&00	457	.3419045E-01	458	-.7763102E&00	459	-.1312704E&01	F7601	91	REC	104,	LENGTH	84
460	.3666433E&00	461	.3151367E&00	462	.8532547E&00	463	.2338680E&01	F7601	92	REC	105,	LENGTH	84
464	.6130155E-02	465	.2416816E-01	466	.2840645E-01	467	.1032494E-01	F7601	93	REC	106,	LENGTH	84
468	.4538465E-01	469	-.1937741E-01	470	.2336023E-01	471	-.4823671E-01	F7601	94	REC	107,	LENGTH	84
472	.2067288E-01	473	.6320126E-02	474	-.1483829E-01	475	-.9578221E-02	F7601	95	REC	108,	LENGTH	84
5 0	-.7294670E-02	5 1	-.2483122E&00	5 2	-.3275701E&00	5 3	.4195391E&01	F7601	96	REC	109,	LENGTH	84
5 4	.2755057E&01	5 5	-.1978591E&02	5 6	-.6771716E&01	5 7	.3975160E&02	F7601	97	REC	110,	LENGTH	84
5 8	.6385980E&01	5 9	-.3586680E&02	510	-.2014667E&01	511	.1192967E&02	F7601	98	REC	111,	LENGTH	84
512	.6150313E-02	513	.8761636E-02	514	.4479249E-01	515	.1529280E-01	F7601	99	REC	112,	LENGTH	84
516	-.4936663E&00	517	-.3759835E&00	518	.1421307E&01	519	-.5825589E&00	F7601	100	REC	113,	LENGTH	84
520	.3341623E&01	521	.3879890E&00	522	-.1681874E&02	523	.4847560E&01	F7601	101	REC	114,	LENGTH	84
524	-.7145692E&01	525	.2978625E&01	526	.5920703E&02	527	-.1509634E&02	F7601	102	REC	115,	LENGTH	84
528	.4847236E&01	529	-.7351315E&01	530	-.8102674E&02	531	.1953515E&02	F7601	103	REC	116,	LENGTH	84
532	-.1901686E&00	533	.4692985E&01	534	.3779880E&02	535	-.8983791E&01	F7601	104	REC	117,	LENGTH	84
536	-.7745451E-02	537	.1608649E-01	538	.8157355E-01	539	-.1789495E&00	F7601	105	REC	118,	LENGTH	84
540	-.4155571E&00	541	-.4613949E&00	542	.4353133E&00	543	.2265539E&01	F7601	106	REC	119,	LENGTH	84
544	.4350015E&00	545	-.9587975E&00	546	-.3009824E&01	547	-.5023347E&01	F7601	107	REC	120,	LENGTH	84
548	.1464018E&01	549	.8411477E&01	550	.3180040E&01	551	.3227654E&01	F7601	108	REC	121,	LENGTH	84
552	-.2428740E&01	553	-.8548436E&01	554	-.3861339E&00	555	.6158756E&00	F7601	109	REC	122,	LENGTH	84
556	-.7129034E&00	557	.4947033E&00	558	.1270878E&01	559	-.8472738E&00	F7601	110	REC	123,	LENGTH	84
560	.6787486E&00	561	-.1084459E&01	562	-.1817412E&01	563	.2472022E&00	F7601	111	REC	124,	LENGTH	84
564	.1978871E-01	565	-.2718477E-02	566	-.2679029E-01	567	.9088670E-02	F7601	112	REC	125,	LENGTH	84
568	-.1454300E-01	569	-.5144499E-02	570	.1792499E-01	571	-.6277633E-02	F7601	113	REC	126,	LENGTH	84
572	-.1360419E-02	573	-.2808070E-03	574	-.3170589E-01	575	.2241524E-01	F7601	114	REC	127,	LENGTH	84
6 0	.1295579E-01	6 1	.1156139E&00	6 2	.4393414E&00	6 3	-.1201533E&01	F7601	115	REC	128,	LENGTH	84
6 4	-.1532892E&01	6 5	.5388115E&01	6 6	.4627719E&00	6 7	-.1098246E&02	F7601	116	REC	129,	LENGTH	84

6 8	.1924080E&01	6 9	.9889551E&01	610	-.1269856E&01	611	-.3156073E&01	F7601117	REC	130,	LENGTH	84
612	.3433185E-01	613	-.3736577E-01	614	.2485333E&00	615	.1214856E&00	F7601118	REC	131,	LENGTH	84
616	-.4594731E&00	617	.5693847E&00	618	-.5934171E&01	619	-.1403512E&01	F7601119	REC	132,	LENGTH	84
620	.6484694E&01	621	-.5206917E&01	622	.3419578E&02	623	.7029076E&01	F7601120	REC	133,	LENGTH	84
624	-.2548144E&02	625	.1661872E&02	626	-.8229612E&02	627	-.1960346E&02	F7601121	REC	134,	LENGTH	84
628	.3621804E&02	629	-.2055927E&02	630	.8852125E&02	631	.2616787E&02	F7601122	REC	135,	LENGTH	84
632	-.1695872E&02	633	.8550206E&01	634	-.3473643E&02	635	-.1277485E&02	F7601123	REC	136,	LENGTH	84
636	.1587835E-02	637	.1838338E-02	638	-.1163060E&00	639	.1969264E&00	F7601124	REC	137,	LENGTH	84
640	-.5915979E&00	641	-.6187014E&00	642	.5148761E&00	643	-.1536837E&01	F7601125	REC	138,	LENGTH	84
644	.3890471E&01	645	-.1246310E&00	646	-.1435065E&01	647	.2394676E&01	F7601126	REC	139,	LENGTH	84
648	-.8935463E&01	649	.4723722E&01	650	.1247546E&01	651	-.8774553E&00	F7601127	REC	140,	LENGTH	84
652	.6463398E&01	653	-.4777869E&01	654	-.6130487E&00	655	-.4140231E&00	F7601128	REC	141,	LENGTH	84
656	-.2351764E&00	657	-.7969891E&00	658	.1037265E&01	659	.1897781E&01	F7601129	REC	142,	LENGTH	84
660	.5668933E&00	661	.8706758E&00	662	-.6602398E&00	663	-.2479865E&01	F7601130	REC	143,	LENGTH	84
664	.1494721E-01	665	.2571573E-01	666	-.3728590E-01	667	-.1526323E-01	F7601131	REC	144,	LENGTH	84
668	.1575829E-01	669	-.1490476E-01	670	.3170396E-01	671	-.4199097E-01	F7601132	REC	145,	LENGTH	84
672	-.8902995E-02	673	.1554578E-03	674	.1500554E-01	675	.1741196E-01	F7601133	REC	146,	LENGTH	84
7 0	-.1163453E-01	7 1	.2559340E-01	7 2	.1341394E&00	7 3	-.6889026E&00	F7601134	REC	147,	LENGTH	84
7 4	-.1062395E&01	7 5	.4744050E&01	7 6	.2558712E&01	7 7	-.1184546E&02	F7601135	REC	148,	LENGTH	84
7 8	-.1954702E&01	7 9	.1245652E&02	710	.3006221E&00	711	-.4701588E&01	F7601136	REC	149,	LENGTH	84
712	-.9332467E-02	713	.1943690E-01	714	-.9669652E-01	715	.1488707E&00	F7601137	REC	150,	LENGTH	84
716	-.1987642E-01	717	.5548449E&00	718	.1559955E&01	719	-.2219012E&00	F7601138	REC	151,	LENGTH	84
720	.2091172E&01	721	-.4468721E&01	722	-.1278504E&02	723	-.2709198E&01	F7601139	REC	152,	LENGTH	84
724	-.1214438E&02	725	.1276042E&02	726	.4135228E&02	727	.9975155E&01	F7601140	REC	153,	LENGTH	84
728	.2141302E&02	729	-.1419950E&02	730	-.5522914E&02	731	-.1191336E&02	F7601141	REC	154,	LENGTH	84
732	-.1179347E&02	733	.5251127E&01	734	.2549066E&02	735	.4858022E&01	F7601142	REC	155,	LENGTH	84
736	-.1093127E-01	737	-.6305686E-02	738	-.9134538E-01	739	.2677653E-01	F7601143	REC	156,	LENGTH	84
740	.2796987E&00	741	.4881693E&00	742	.3432697E&00	743	.1356682E&00	F7601144	REC	157,	LENGTH	84
744	-.9791018E&00	745	-.1502138E&01	746	-.5833642E-01	747	-.9005842E&00	F7601145	REC	158,	LENGTH	84
748	.1854589E&01	749	.2915356E&01	750	-.3125419E&00	751	.1091739E&01	F7601146	REC	159,	LENGTH	84
752	-.1395594E&01	753	-.2611798E&01	754	.4965306E-02	755	-.2225130E-01	F7601147	REC	160,	LENGTH	84
756	.1305857E-01	757	-.8897680E-01	758	.2823318E&00	759	.9086935E-02	F7601148	REC	161,	LENGTH	84

1	760	-.2365839E-01	761	.1582851E&00	762	-.5431659E&00	763	.2529579E&00F7601149	REC	162, LENGTH	84
2	764	.1663147E&00	765	.2395502E&00	766	-.1315386E&00	767	.2656029E&00F7601150	REC	163, LENGTH	84
3	768	-.1910423E-01	769	.1383442E-01	770	.2153313E-02	771	.3280732E-01F7601151	REC	164, LENGTH	84
4	772	.1025385E-01	773	.3031439E-01	774	-.1597297E-02	775	.1039110E-02F7601152	REC	165, LENGTH	84
5	8 0	.2936251E-02	8 1	.3280491E&00	8 2	-.3148974E&00	8 3	-.4633840E&01F7601153	REC	166, LENGTH	84
6	8 4	.2875460E&01	8 5	.2143204E&02	8 6	-.8181023E&01	8 7	-.4311111E&02F7601154	REC	167, LENGTH	84
7	8 8	.8911701E&01	8 9	.3909675E&02	810	-.3293615E&01	811	-.1313983E&02F7601155	REC	168, LENGTH	84
8	812	-.2531804E-01	813	-.1135134E-01	814	.5067347E&00	815	.4675005E-02F7601156	REC	169, LENGTH	84
9	816	.4344305E&00	817	.1242503E&00	818	-.9884075E&01	819	-.1948455E&01F7601157	REC	170, LENGTH	84
10	820	-.1238634E&01	821	-.1199248E&01	822	.5720259E&02	823	.1868006E&02F7601158	REC	171, LENGTH	84
11	824	-.2093033E&01	825	.6218554E&01	826	-.1406555E&03	827	-.5588111E&02F7601159	REC	172, LENGTH	84
12	828	.8269990E&01	829	-.1031875E&02	830	.1541386E&03	831	.6560665E&02F7601160	REC	173, LENGTH	84
13	832	-.5588473E&01	833	.5168865E&01	834	-.6180760E&02	835	-.2643749E&02F7601161	REC	174, LENGTH	84
14	836	-.1080042E-01	837	.4721222E-02	838	-.2164645E&00	839	.7529700E-01F7601162	REC	175, LENGTH	84
15	840	-.9255287E-01	841	.1157570E&00	842	.2476483E&01	843	.8587230E-01F7601163	REC	176, LENGTH	84
16	844	.1897859E&01	845	-.1414762E&01	846	-.6837118E&01	847	-.1182406E&01F7601164	REC	177, LENGTH	84
17	848	-.5408590E&01	849	.4249366E&01	850	.4849614E&01	851	.1289602E&01F7601165	REC	178, LENGTH	84
18	852	.4021705E&01	853	-.2975954E&01	854	-.1776704E-02	855	.3100180E-01F7601166	REC	179, LENGTH	84
19	856	.4645848E-01	857	.4820950E-01	858	-.2116403E-01	859	.2999307E&00F7601167	REC	180, LENGTH	84
20	860	-.5782700E-01	861	-.2556395E&00	862	-.4911903E-02	863	-.7830107E&00F7601168	REC	181, LENGTH	84
21	864	-.2409360E&00	865	.1908112E&00	866	-.3389582E&00	867	-.9530639E-01F7601169	REC	182, LENGTH	84
22	868	.1854917E-01	869	-.6470426E-01	870	-.4354505E-02	871	-.1289772E-01F7601170	REC	183, LENGTH	84
23	872	-.5553269E-02	873	.1624064E-01	874	-.1364790E-01	875	.1196156E-01F7601171	REC	184, LENGTH	84
24	9 0	.7595181E-02	9 1	-.7480517E-01	9 2	-.4153397E-01	9 3	.2077851E&01F7601172	REC	185, LENGTH	84
25	9 4	-.1002988E&01	9 5	-.1108757E&02	9 6	.4421510E&01	9 7	.2368933E&02F7601173	REC	186, LENGTH	84
26	9 8	-.5959401E&01	9 9	-.2263107E&02	910	.2579472E&01	911	.8062485E&01F7601174	REC	187, LENGTH	84
27	912	.1019988E-01	913	-.1294432E-01	914	-.2047605E&00	915	.9921250E-02F7601175	REC	188, LENGTH	84
28	916	.5632401E-01	917	.1170774E&00	918	.3498122E&01	919	.1449867E&01F7601176	REC	189, LENGTH	84
29	920	-.1399532E&01	921	-.2349843E&00	922	-.1669502E&02	923	-.1253771E&02F7601177	REC	190, LENGTH	84
30	924	.4711522E&01	925	.2200092E&00	926	.3257982E&02	927	.3287833E&02F7601178	REC	191, LENGTH	84
31	928	-.4369251E&01	929	-.1138859E&01	930	-.2755241E&02	931	-.3459220E&02F7601179	REC	192, LENGTH	84
32	932	.8279656E&00	933	.1280409E&01	934	.8313311E&01	935	.1283659E&02F7601180	REC	193, LENGTH	84

1	936	.1394263E-01	937	.1026569E-03	938	-.1610286E&00	939	-.1631833E-01	F7601181	REC	194,	LENGTH	84
2													
3	940	.1627216E&00	941	-.6044048E-01	942	.1512676E&01	943	.5082448E&00	F7601182	REC	195,	LENGTH	84
4													
5	944	-.1849847E&01	945	.5067862E&00	946	-.3412902E&01	947	-.2206887E&01	F7601183	REC	196,	LENGTH	84
6													
7	948	.4160360E&01	949	-.4874339E&00	950	.2155314E&01	951	.2211028E&01	F7601184	REC	197,	LENGTH	84
8													
9	952	-.2564334E&01	953	-.1497531E&00	954	-.1374398E-01	955	-.8551202E-02	F7601185	REC	198,	LENGTH	84
10													
11	956	-.3778461E-01	957	-.1538027E-01	958	.7298926E-01	959	.6901166E-01	F7601186	REC	199,	LENGTH	84
12													
13	960	.1060011E&00	961	-.2004052E-02	962	-.1465167E-01	963	-.1286293E&00	F7601187	REC	200,	LENGTH	84
14													
15	964	.1200552E-01	965	.3728161E-02	966	-.5495561E-01	967	.2769206E-01	F7601188	REC	201,	LENGTH	84
16													
17	968	.1280325E&00	969	-.1407479E&00	970	.1592352E-01	971	.8622216E-02	F7601189	REC	202,	LENGTH	84
18													
19	972	-.9271901E-02	973	-.5790375E-02	974	.1963511E-01	975	-.1963851E-01	F7601190	REC	203,	LENGTH	84
20													
21	10 0	.9688314E-02	10 1	-.1124126E&00	10 2	-.1342265E&00	10 3	.2855465E&01	F7601191	REC	204,	LENGTH	84
22													
23	10 4	.8003518E&00	10 5	-.1489776E&02	10 6	-.2092741E&01	10 7	.3135278E&02	F7601192	REC	205,	LENGTH	84
24													
25	10 8	.2332759E&01	10 9	-.2915819E&02	10 10	-.9188518E&01	10 11	.9957684E&01	F7601193	REC	206,	LENGTH	84
26													
27	10 12	.2727477E-01	10 13	.4683246E-02	10 14	.1094933E&00	10 15	-.9621999E-02	F7601194	REC	207,	LENGTH	84
28													
29	10 16	-.2391285E&00	10 17	.2929860E&00	10 18	-.4558069E&00	10 19	.2702123E&01	F7601195	REC	208,	LENGTH	84
30													
31	10 20	-.2108528E&00	10 21	.3525071E&00	10 22	.7468119E-01	10 23	-.2418121E&02	F7601196	REC	209,	LENGTH	84
32													
33	10 24	.5694528E&01	10 25	-.8160272E&01	10 26	.1644896E&01	10 27	.7231522E&02	F7601197	REC	210,	LENGTH	84
34													
35	10 28	-.1256106E&02	10 29	.1721223E&02	10 30	-.2225291E&01	10 31	-.8862445E&02	F7601198	REC	211,	LENGTH	84
36													
37	10 32	.7570068E&01	10 33	-.1013467E&02	10 34	.7089713E&00	10 35	.3846232E&02	F7601199	REC	212,	LENGTH	84
38													
39	10 36	-.1416006E-01	10 37	.4240628E-02	10 38	-.7121664E-01	10 39	.6452082E-01	F7601200	REC	213,	LENGTH	84
40													
41	10 40	.1369534E&00	10 41	.6093600E&00	10 42	-.2199496E&00	10 43	-.6527154E&00	F7601201	REC	214,	LENGTH	84
42													
43	10 44	.2464002E&00	10 45	-.3585168E&01	10 46	.1424374E&01	10 47	.1381251E&01	F7601202	REC	215,	LENGTH	84
44													
45	10 48	-.1919800E&01	10 49	.7401643E&01	10 50	-.1197039E&01	10 51	-.6411316E&00	F7601203	REC	216,	LENGTH	84
46													
47	10 52	.1767102E&01	10 53	-.5116307E&01	10 54	-.5503123E-02	10 55	-.1137369E-01	F7601204	REC	217,	LENGTH	84
48													
49	10 56	-.1055713E&00	10 57	-.1706749E-01	10 58	.2811667E-01	10 59	.1485376E&00	F7601205	REC	218,	LENGTH	84
50													
51	10 60	.1499656E&00	10 61	.9484380E-01	10 62	-.1385040E&00	10 63	-.3328196E&00	F7601206	REC	219,	LENGTH	84
52													
53	10 64	.6298760E-03	10 65	-.1906365E-01	10 66	.1077725E-01	10 67	-.8405811E-02	F7601207	REC	220,	LENGTH	84
54													
55	10 68	.1532308E&00	10 69	.1225577E&00	10 70	.3154873E-01	10 71	-.3284459E-02	F7601208	REC	221,	LENGTH	84
56													
57	10 72	.3800384E-02	10 73	.1746694E-02	10 74	-.4221154E-03	10 75	.5100187E-02	F7601209	REC	222,	LENGTH	84
58													
59	11 0	-.1179191E-01	11 1	-.2170220E-01	11 2	.2109700E&00	11 3	-.6388691E-01	F7601210	REC	223,	LENGTH	84
60													
61	11 4	-.1202818E&01	11 5	.8275488E&00	11 6	.2572985E&01	11 7	-.2136694E&01	F7601211	REC	224,	LENGTH	84
62													
63	11 8	-.2174051E&01	11 9	.2299616E&01	11 10	.5814938E&00	11 11	-.9171198E&00	F7601212	REC	225,	LENGTH	84

1	1112	.1021667E-011113	-.5721841E-021114	.1232407E&001115	.2171757E-01F7601213	REC	226,	LENGTH	84
3	1116	-.2187715E&001117	-.4005491E&001118	-.3793459E&011119	-.5067702E&00F7601214	REC	227,	LENGTH	84
5	1120	-.5340263E&001121	.3915602E&011122	.2608870E&021123	.4362021E&01F7601215	REC	228,	LENGTH	84
7	1124	.5658444E&011125	-.1122348E&021126	-.7127846E&021127	-.1346541E&02F7601216	REC	229,	LENGTH	84
9	1128	-.1027589E&021129	.1231301E&021130	.8384861E&021131	.1708988E&02F7601217	REC	230,	LENGTH	84
11	1132	.5570936E&011133	-.4475646E&011134	-.3535025E&021135	-.7694822E&01F7601218	REC	231,	LENGTH	84
13	1136	.8832730E-031137	.4153994E-021138	-.1318057E&001139	-.3969055E-02F7601219	REC	232,	LENGTH	84
15	1140	.1358942E&001141	-.4319856E&001142	.5044306E&001143	-.7201469E&00F7601220	REC	233,	LENGTH	84
17	1144	-.5291019E&001145	.3168009E&011146	-.7651463E&001147	.2999427E&01F7601221	REC	234,	LENGTH	84
19	1148	.3845176E&001149	-.7102142E&011150	.5921272E&001151	-.2934687E&01F7601222	REC	235,	LENGTH	84
21	1152	.1311265E&001153	.4946690E&011154	-.2883219E-021155	-.1003621E-01F7601223	REC	236,	LENGTH	84
23	1156	.4273494E-011157	.6273656E-011158	.1835454E&001159	.2446589E&00F7601224	REC	237,	LENGTH	84
25	1160	-.1131490E&001161	-.2515267E&001162	-.3351747E&001163	-.4722752E&00F7601225	REC	238,	LENGTH	84
27	1164	.2854565E-021165	.1241869E-011166	.1948391E-011167	.4386352E-01F7601226	REC	239,	LENGTH	84
29	1168	-.7819514E-021169	.1850595E-011170	-.3335055E-011171	-.5187683E-01F7601227	REC	240,	LENGTH	84
31	1172	.4481548E-021173	.1229727E-011174	.8882099E-021175	.1023987E-01F7601228	REC	241,	LENGTH	84
33	12 0	.2809258E-0112 1	-.4031911E-0112 2	-.4254768E&0012 3	.1204859E&00F7601229	REC	242,	LENGTH	84
35	12 4	.2674743E&0112 5	.1171392E&0112 6	-.6795779E&0112 7	-.4900947E&01F7601230	REC	243,	LENGTH	84
37	12 8	.7414408E&0112 9	.6149583E&011210	-.2895417E&011211	-.2498290E&01F7601231	REC	244,	LENGTH	84
39	1212	.3073080E-011213	-.2911913E-011214	-.3888756E-011215	-.4105941E-01F7601232	REC	245,	LENGTH	84
41	1216	-.7297672E&001217	.4169832E-011218	.2941776E&001219	-.7396957E&00F7601233	REC	246,	LENGTH	84
43	1220	.5343794E&011221	.2406236E&011222	-.3703022E&011223	.6640908E&01F7601234	REC	247,	LENGTH	84
45	1224	-.1583938E&021225	-.9382816E&011226	.1467050E&021227	-.1780819E&02F7601235	REC	248,	LENGTH	84
47	1228	.2019998E&021229	.1183481E&021230	-.2118519E&021231	.1926062E&02F7601236	REC	249,	LENGTH	84
49	1232	-.9107227E&011233	-.4908928E&011234	.1011748E&021235	-.7239421E&01F7601237	REC	250,	LENGTH	84
51	1236	-.4276777E-021237	-.2942495E-011238	-.5116673E-011239	-.1588192E-01F7601238	REC	251,	LENGTH	84
53	1240	.3113460E-011241	.1512971E&001242	-.1625906E&001243	-.1737656E&00F7601239	REC	252,	LENGTH	84
55	1244	-.9859732E-011245	.1501292E&001246	.1161471E&011247	.8440916E&00F7601240	REC	253,	LENGTH	84
57	1248	.8558623E&001249	-.4015555E&001250	-.1035614E&011251	-.6662360E&00F7601241	REC	254,	LENGTH	84
59	1252	-.1108886E&011253	-.1461831E&001254	.3808409E-021255	.1780525E-01F7601242	REC	255,	LENGTH	84
61	1256	.3204190E-011257	.2173439E-011258	.4991789E-011259	-.7002751E-01F7601243	REC	256,	LENGTH	84
63	1260	.1351077E-021261	-.9581073E-011262	.1253083E-011263	.1946855E-01F7601244	REC	257,	LENGTH	84

1 1264 .1241189E-011265 .1064387E-021266 .4863563E-011267 -.3418030E-01F7601245

REC 258, LENGTH 84

2 1268 .9196423E-021269 .1031523E-021270 .6002181E-011271 -.6464594E-01F7601246

REC 259, LENGTH 84

3 1272 .1408897E-011273 -.1577511E-011274 .3146787E-011275 -.1176699E-01F7601247

REC 260, LENGTH 84

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824	.8850774E-02	825	-.5240430E-01	826	-.5421455E-02	827	-.5037579E-01	M7512105	REC	1.	LENGTH	84							
828	-.8383070E-01	829	.2639200E&00	830	-.3696608E-01	831	.8447635E-01	M7512106	REC	2.	LENGTH	84							
832	.1029237E&00	833	-.2822106E&00	834	.4914829E-01	835	.2007433E-02	M7512107	REC	3.	LENGTH	84							
836	.2454751E-02	837	-.1429851E-01	838	-.2627417E-02	839	-.3658680E-01	M7512108	REC	4.	LENGTH	84							
840	.2407300E-01	841	-.1146467E-02	842	.2852860E-03	843	-.7371001E-01	M7512109	REC	5.	LENGTH	84							
844	.2471666E-02	845	.7419734E-02	846	-.1042243E-01	847	-.2270354E-02	M7512110	REC	6.	LENGTH	84							
848	-.6415124E-02							M7512111	REC	7.	LENGTH	84							
2	6	22	34	40	44	46	48	48	48	4	4503	383	123	7508	M7601111	REC	9.	LENGTH	84
0	0	.3031865E&01	0	1	.4556803E&00	0	2	.6130746E&00	0	3	-.5597156E&00	M7601	1						
0	4	-.4988598E&00	0	5	.9221359E-01	0	6	-.8380328E-01	0	7	.5328822E-02	M7601	2						
0	8	.3154062E-01	0	9	-.1170403E-01	0	10	.1001710E-01	0	11	-.1810495E&00	M7601	3						
0	12	-.6494339E&00	0	13	.5350908E&00	0	14	.5645528E&00	0	15	.6116322E&00	M7601	4						
0	16	.1905724E&01	0	17	-.9597261E&00	0	18	-.2193087E&01	0	19	-.4328743E&00	M7601	5						
0	20	-.1554167E&01	0	21	.3522434E&00	0	22	.1870034E&01	0	23	-.1745162E-01	M7601	6						
0	24	.1169122E-01	0	25	.3163952E-01	0	26	-.1153399E&00	0	27	.1047599E&00	M7601	7						
0	28	-.1763660E&00	0	29	-.1475514E&00	0	30	.8561430E&00	0	31	-.1589007E&00	M7601	8						
0	32	.2222053E&00	0	33	.1975900E&00	0	34	-.1001174E&01	0	35	-.1876391E-01	M7601	9						
0	36	-.2442766E-02	0	37	.4360508E-01	0	38	.6445804E-02	0	39	.2753891E-01	M7601	10						
0	40	-.3401134E-01	0	41	-.1715922E-01	0	42	-.2334802E-01	0	43	.5988388E-01	M7601	11						
0	44	.3346347E-01	0	45	.5031549E-02	0	46	.1866165E-02	0	47	-.5043082E-02	M7601	12						
0	48	-.4696236E-02	1	0	.3057588E-02	1	1	.1766571E-02	1	2	-.4575323E-01	M7601	13						
1	3	-.2723250E&00	1	4	.1465942E&00	1	5	.2691394E&00	1	6	-.7969070E-01	M7601	14						
1	7	-.1477126E&00	1	8	.3707579E&00	1	9	.4583440E&00	1	10	-.1182922E-01	M7601	15						
1	11	.6983955E&00	1	12	-.1468574E&01	1	13	-.2424546E&01	1	14	-.7089863E&00	M7601	16						
1	15	-.8134298E&00	1	16	.5313048E&00	1	17	.3688470E&01	1	18	.1376807E&01	M7601	17						
1	19	.3827334E&00	1	20	.7773047E&00	1	21	-.1495578E&01	1	22	-.1230995E&01	M7601	18						
1	23	-.3511263E-01	1	24	-.7143637E-02	1	25	.1872813E&00	1	26	.4280415E-01	M7601	19						
1	27	.2907592E&00	1	28	-.6617480E-01	1	29	-.1020783E&01	1	30	.2707279E&00	M7601	20						
1	31	-.4740495E&00	1	32	-.1571223E-01	1	33	.1353355E&01	1	34	-.5010070E&00	M7601	21						
1	35	-.5467968E-02	1	36	-.1128096E-01	1	37	.4247873E-01	1	38	-.1603672E-01	M7601	22						
1	39	-.9817804E-01	1	40	-.9898978E-02	1	41	-.9099604E-02	1	42	.5832843E-02	M7601	23						

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143	.1142434E-01	144	-.4592800E-01	145	-.8253268E-02	146	.1865810E-01M7601	24	REC	33, LENGTH	84
147	.7627812E-02	148	-.1222809E-01	2 0	.8785256E-02	2 1	.6597721E-01M7601	25	REC	34, LENGTH	84
2 2	-.1037841E&00	2 3	-.1272830E&00	2 4	.1792045E&00	2 5	.6900306E-01M7601	26	REC	35, LENGTH	84
2 6	-.5658606E-01	2 7	-.3571471E&00	2 8	-.1619604E&00	2 9	.8744791E-01M7601	27	REC	36, LENGTH	84
210	.4803022E&00	211	.1261551E&01	212	.8156144E&00	213	.3507484E&00M7601	28	REC	37, LENGTH	84
214	-.3033531E&01	215	-.2565173E&00	216	-.1286774E&01	217	-.5133847E&00M7601	29	REC	38, LENGTH	84
218	.5801141E&01	219	-.5017947E&00	220	.7580305E&00	221	.6992339E&00M7601	30	REC	39, LENGTH	84
222	-.3290400E&01	223	-.4911388E-03	224	-.2009501E-01	225	.1233846E&00M7601	31	REC	40, LENGTH	84
226	-.5041789E-01	227	.8229278E-01	228	-.1164605E-02	229	-.3758978E&00M7601	32	REC	41, LENGTH	84
230	.2159858E&00	231	-.2485728E&00	232	.1235069E&00	233	.3694912E&00M7601	33	REC	42, LENGTH	84
234	-.1529132E&00	235	.7113746E-02	236	-.3731216E-02	237	.1002422E-01M7601	34	REC	43, LENGTH	84
238	-.9282732E-02	239	.3098057E-01	240	-.9984091E-02	241	.7333408E-03M7601	35	REC	44, LENGTH	84
242	-.8438839E-02	243	-.2653283E-01	244	.2736601E-01	245	.1178816E-02M7601	36	REC	45, LENGTH	84
246	-.1644983E-01	247	.9574103E-02	248	-.1549785E-01	3 0	-.4096828E-02M7601	37	REC	46, LENGTH	84
3 1	.6138028E-01	3 2	.1677834E-01	3 3	-.1399513E&00	3 4	-.5323680E-02M7601	38	REC	47, LENGTH	84
3 5	.7486003E-01	3 6	-.5310532E-02	3 7	.1663930E-02	3 8	.1524996E-01M7601	39	REC	48, LENGTH	84
3 9	.8112652E-01	310	-.9912451E-01	311	-.4473148E-01	312	-.6348992E-01M7601	40	REC	49, LENGTH	84
313	.1762015E&00	314	.3796684E&00	315	-.2625099E-01	316	.2210519E&00M7601	41	REC	50, LENGTH	84
317	-.1094437E&01	318	-.5051604E&00	319	.1401922E&00	320	-.2526027E&00M7601	42	REC	51, LENGTH	84
321	.9375268E&00	322	.2706600E&00	323	.4191314E-01	324	.1252152E&00M7601	43	REC	52, LENGTH	84
325	-.1032931E&00	326	.6876265E-01	327	-.2123057E-02	328	.1829617E&00M7601	44	REC	53, LENGTH	84
329	.1497966E&00	330	-.1426081E&00	331	-.1578989E&00	332	-.4291574E&00M7601	45	REC	54, LENGTH	84
333	.3114039E-01	334	-.1787459E&00	335	.6599183E-02	336	-.1893113E-01M7601	46	REC	55, LENGTH	84
337	-.3889325E-01	338	-.3830383E-02	339	.1084183E-01	340	.5268444E-01M7601	47	REC	56, LENGTH	84
341	.7660414E-02	342	-.1053162E-01	343	-.1778530E-01	344	.2734464E-01M7601	48	REC	57, LENGTH	84
345	-.2382748E-02	346	-.6549549E-02	347	.3424001E-02	348	-.8410070E-02M7601	49	REC	58, LENGTH	84
4 0	-.1329438E-02	4 1	-.8643362E-02	4 2	.3122208E-01	4 3	.2114537E-01M7601	50	REC	59, LENGTH	84
4 4	-.6906312E-01	4 5	-.3157114E-02	4 6	.5087152E-01	4 7	-.3655970E-02M7601	51	REC	60, LENGTH	84
4 8	.1047415E-01	4 9	.6344716E-01	410	-.4546222E-01	411	-.3752654E-01M7601	52	REC	61, LENGTH	84
412	-.6086435E-01	413	-.2311929E&00	414	.6133898E&00	415	.7434235E-01M7601	53	REC	62, LENGTH	84
416	-.7529793E-01	417	.3136106E&00	418	-.1589835E&01	419	.1968001E-03M7601	54	REC	63, LENGTH	84
420	.1403131E&00	421	-.1554541E&00	422	.1117334E&01	423	-.1157866E&00M7601	55	REC	64, LENGTH	84

424	.4887415E-01	425	-.2713428E-01	426	-.1345727E&00	427	-.1355725E&00M7601	56	REC	65, LENGTH	84
428	.3388438E-01	429	-.1104717E&00	430	.1782377E&00	431	.3009021E&00M7601	57	REC	66, LENGTH	84
432	-.1899996E&00	433	.4822907E&00	434	.1023551E&00	435	.1064143E-01M7601	58	REC	67, LENGTH	84
436	-.7131121E-02	437	-.5410216E-02	438	-.3157099E-03	439	-.4482629E-01M7601	59	REC	68, LENGTH	84
440	-.2099173E-01	441	.5992261E-03	442	.9401174E-02	443	.3475207E-02M7601	60	REC	69, LENGTH	84
444	.7174731E-02	445	-.7424450E-02	446	-.4133337E-02	447	.6256979E-02M7601	61	REC	70, LENGTH	84
448	-.7200252E-02	5 0	.5966066E-03	5 1	-.2903709E-01	5 2	.2914265E-01M7601	62	REC	71, LENGTH	84
5 3	.1054668E&00	5 4	-.3231449E-01	5 5	-.8238623E-01	5 6	-.2064585E-03M7601	63	REC	72, LENGTH	84
5 7	.7919945E-02	5 8	-.8464177E-02	5 9	.4479133E-02	510	.5517505E-01M7601	64	REC	73, LENGTH	84
511	-.1003931E&00	512	.1950046E-01	513	-.3600407E&00	514	-.5248980E&00M7601	65	REC	74, LENGTH	84
515	.3228086E&00	516	-.6088183E-01	517	.1148820E&01	518	.1251097E&01M7601	66	REC	75, LENGTH	84
519	-.2949552E&00	520	.6518245E-01	521	-.9200117E&00	522	-.8418770E&00M7601	67	REC	76, LENGTH	84
523	-.9885142E-02	524	-.9220542E-02	525	.1337286E-02	526	.4434507E-01M7601	68	REC	77, LENGTH	84
527	.1080163E-01	528	-.5539051E-01	529	-.4976084E-01	530	-.9917319E-02M7601	69	REC	78, LENGTH	84
531	-.4246757E-01	532	.1604990E&00	533	.1687310E&00	534	-.1197407E&00M7601	70	REC	79, LENGTH	84
535	.2149381E-01	536	.3745013E-01	537	-.1226990E&00	538	-.1072489E-01M7601	71	REC	80, LENGTH	84
539	-.1460107E&00	540	.6155813E-01	541	.2104376E-02	542	.3316383E-02M7601	72	REC	81, LENGTH	84
543	-.5225817E-04	544	-.4404991E-02	545	.3141219E-02	546	.6645704E-02M7601	73	REC	82, LENGTH	84
547	.3328540E-02	548	.1226949E-02	6 0	-.2514933E-02	6 1	-.3994518E-01M7601	74	REC	83, LENGTH	84
6 2	.3917297E-01	6 3	.1677376E&00	6 4	-.7807528E-01	6 5	-.1381450E&00M7601	75	REC	84, LENGTH	84
6 6	.4308272E-01	6 7	-.1873777E-02	6 8	-.7925181E-02	6 9	-.8167158E-02M7601	76	REC	85, LENGTH	84
610	-.2621711E-01	611	.1079403E&00	612	.1198193E&00	613	-.8180105E-01M7601	77	REC	86, LENGTH	84
614	.1838958E&00	615	-.4447380E&00	616	-.3256813E&00	617	.1708363E&00M7601	78	REC	87, LENGTH	84
618	-.3657926E&00	619	.3873274E&00	620	.2004764E&00	621	-.6655766E-01M7601	79	REC	88, LENGTH	84
622	.2324653E&00	623	.2183568E-02	624	-.1280514E-02	625	-.2644055E-01M7601	80	REC	89, LENGTH	84
626	.3762674E-02	627	.6955510E-01	628	.3931389E-01	629	.1069912E&00M7601	81	REC	90, LENGTH	84
630	-.1423551E&00	631	-.1217808E&00	632	-.8825594E-01	633	-.8689516E-01M7601	82	REC	91, LENGTH	84
634	.2233118E&00	635	-.3111523E-01	636	.3851402E-01	637	.4978155E-02M7601	83	REC	92, LENGTH	84
638	-.1229758E&00	639	-.4228188E-01	640	-.1511245E&00	641	-.3381513E-02M7601	84	REC	93, LENGTH	84
642	.7562128E-02	643	.5048734E-03	644	.4557699E-02	645	-.4455511E-02M7601	85	REC	94, LENGTH	84
646	.6384605E-02	647	-.4209608E-02	648	.6593281E-02	7 0	-.1056905E-03M7601	86	REC	95, LENGTH	84
7 1	.9141219E-02	7 2	-.4083946E-01	7 3	-.1865038E-01	7 4	.1196214E&00M7601	87	REC	96, LENGTH	84

7 5	.7677168E-02	7 6	-.7895231E-01	7 7	.3606573E-02	7 8	-.2112552E-02	M7601 88	REC	97,	LENGTH	84
7 9	-.1399496E-01	7 10	.3303180E-01	7 11	-.1468302E&00	7 12	.9440697E-01	M7601 89	REC	98,	LENGTH	84
7 13	-.1278713E&00	7 14	-.2167062E&00	7 15	.4158104E&00	7 16	-.2543903E&00	M7601 90	REC	99,	LENGTH	84
7 17	.5252287E&00	7 18	.4020352E&00	7 19	-.3214201E&00	7 20	.1935618E&00	M7601 91	REC	100,	LENGTH	84
7 21	-.4332579E&00	7 22	-.2241122E&00	7 23	-.9562938E-02	7 24	-.1963967E-02	M7601 92	REC	101,	LENGTH	84
7 25	-.1958553E-01	7 26	-.1739587E-01	7 27	.1183142E&00	7 28	.4269472E-01	M7601 93	REC	102,	LENGTH	84
7 29	.1117217E&00	7 30	.9513082E-01	7 31	-.1742291E&00	7 32	-.7081997E-01	M7601 94	REC	103,	LENGTH	84
7 33	-.1242858E&00	7 34	-.9348105E-01	7 35	.2511617E-02	7 36	.5827453E-02	M7601 95	REC	104,	LENGTH	84
7 37	.8120952E-02	7 38	-.8476831E-02	7 39	.2565598E-02	7 40	-.3935152E-02	M7601 96	REC	105,	LENGTH	84
7 41	.1452919E-01	7 42	.9801873E-02	7 43	-.4673710E-02	7 44	.7494858E-01	M7601 97	REC	106,	LENGTH	84
7 45	-.3989752E-02	7 46	-.2336281E-02	7 47	-.5776960E-02	7 48	.8047576E-02	M7601 98	REC	107,	LENGTH	84
8 0	.1030609E-02	8 1	.1029081E-01	8 2	-.1997895E-01	8 3	-.4057653E-01	M7601 99	REC	108,	LENGTH	84
8 4	.5392510E-01	8 5	.2768352E-01	8 6	-.3771957E-01	8 7	.4944206E-02	M7601100	REC	109,	LENGTH	84
8 8	.1968105E-03	8 9	.3078174E-03	8 10	-.1712684E-01	8 11	-.1682180E&00	M7601101	REC	110,	LENGTH	84
8 12	.1309221E-02	8 13	-.1906065E&00	8 14	.4850103E-01	8 15	.5466007E&00	M7601102	REC	111,	LENGTH	84
8 16	.3035278E-01	8 17	.4770238E&00	8 18	-.7622348E-02	8 19	-.4417095E&00	M7601103	REC	112,	LENGTH	84
8 20	-.5692579E-01	8 21	-.2833035E&00	8 22	-.6518338E-02	8 23	-.5958977E-02	M7601104	REC	113,	LENGTH	84
8 24	.1741339E-02	8 25	-.4467818E-01	8 26	.8120867E-02	8 27	-.1792122E-01	M7601105	REC	114,	LENGTH	84
8 28	-.9448017E-01	8 29	.2020081E&00	8 30	-.9631355E-01	8 31	.2978312E-01	M7601106	REC	115,	LENGTH	84
8 32	.1265707E&00	8 33	-.1991973E&00	8 34	.1148892E&00	8 35	-.2932156E-03	M7601107	REC	116,	LENGTH	84
8 36	.4289489E-02	8 37	-.2498942E-02	8 38	-.9130568E-03	8 39	-.1353381E-01	M7601108	REC	117,	LENGTH	84
8 40	.1116723E-01	8 41	-.7617245E-02	8 42	.2014965E-01	8 43	-.7119713E-01	M7601109	REC	118,	LENGTH	84
8 44	-.4840636E-03	8 45	.6308320E-02	8 46	-.5146978E-02	8 47	.1340028E-02	M7601110	REC	119,	LENGTH	84
8 48	.2133069E-03							M7601111	REC	120,	LENGTH	84