

DATA SET CATALOG #10

OGO-5 Plasma Waves 'D'

68-014A-24D 5 tapes

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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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

OGO 5

3-MIN. AVG. E & B DIGITAL CHAN, TAPE

68-014A-24D

THIS DATA SET HAS BEEN RESTORED. ORIGINALLY IT CONTAINED FIVE
7-TRACK, 800 BPI TAPES 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 TAPES WERE CREATED ON AN IBM
7094 COMPUTER AND THEY WERE RESTORED ON THE MODCOMP. THE DR AND DS
NUMBER ALONG WITH THE CORRESPONDING D NUMBERS AND TIME SPANS (EACH
INPUT TAPE HAD MULTIPLE TIME SPANS) ARE AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005053	DS005053	D006187	1	03/27/68, 11/20/68, 03/23/69 - 03/26/69
		D005879	2	02/11/69 - 02/13/69, (a) 02/16/69 - 02/18/69, 02/21/69
		D005578	3	02/21/69 - 02/23/69, 03/14/69 - 03/16/69, 03/29/69 - 03/31/69, 04/01/69
		D006186	4-5	05/10/69 - 05/12/69
		D008795	6	03/14/68 - 03/16/68, 04/05/68, 01/15/69 - 01/16/69, 03/12/68 - 03/14/68, 06/14/68, 09/05/68, 09/13/68, 09/23/68, 10/01/68, 10/03/68, 02/05/69

(a) D005879 - 2 READ ERRORS OCCURRED ON RECORDS 39 AND 1191, FILE 1

060-5
PLASMA WAVES

CDC 6600
↓

68-014A-24D

These tapes are 800 BPI, BCD 7-track tapes which have one file on them. Each record is 136 characters long. Start and stop times can not be verified without a program due to the fact that the data is on the tape by station.

D#	C#
D-05578	C-04869
D-05879	C-04870

060-5
PLASMA WAVES

CDC 6600
↓

68-014A-24D

These tapes are 800 BPI, BCD 7-track tapes which have one file on them. Each record is 136 characters long. Start and stop times can not be verified without a program due to the fact that the data is on the tape by station.

D#	C#
D-05578	C-04869
D-05879	C-04870

68-014A-24D

FORMAT

These tapes are formatted such that, under program control twelve time values increasing across the page by about 3 minutes, are printed out under the heading then ordered by the twelve frequencies, the maximum, the minimum, the average and the standard of deviation of the good points are tabulated along with the number of points used. This data is listed under its correct time heading. When the data for the 12 frequencies has been completely printed out, a new page with a new heading and succeeding times is begun. The information is given for different ground stations.

RECORD	CHARACTER	IDENTIFICATION
1	1	Carriage Control
2	1	Carriage Control
	22-27	Ground Station
	33-43	Date of Acquisition
	48	OGO-5 Bit Rate
	50-53	KBPS Kilobits per second
	59-67	S/C Clock
	70-77	Time Data taken
	85-93	Unknown
3		Blank
4		Blank
5	17,20,23	Headings-H for Hour, M for Minute, S for Sec
	27,30,33	"
	37,40,43	"
	47,50,53	"
	57,60,63	"
	67,70,73	"
	77,80,83	"
	87,90,93	"
	97,100,103	"
	107,110,113	"
	117,120,123	"
	127,130,133	"
6	16-17,19-20,22-23	Actual Hour, Minute and Second
	26-27,29-30,32-33	"
	36-37,39-40,42-43	"
	46-47,49-50,52-53	"
	56-57,59-60,62-63	"
	66-67,69-70,72-73	"
	76-77,79-80,82-83	"
	86-87,89-90,92-93	"
	96-97,99-100,102-103	"
	106-107,109-110,112-113	"
	116-117,119-120,122-123	"
	126-127,129-130,132-133	"

<u>RECORD</u>	<u>CHARACTER</u>	<u>IDENTIFICATION</u>
7		Blank
8		Blank

At this point the records come in groups of five. These five records contain the data for one of the twelve frequencies, therefore there are twelve groups of five records.

<u>RECORD</u>	<u>CHARACTER</u>	<u>IDENTIFICATION</u>
1	2-6	Channel
	10	MAX - Heading for Maximum
	17-22,27-32	Values Corresponding
	37-42,47-52	to the twelve times
	57-62,67-72	
	77-82,87-92	
	97-102,107-112	
	117-122,127-132	
2	10-12	MIN - Heading for Minimum
	17-22,27-32	Values corresponding to
	37-42,47-52	the twelve times
	57-62,67-72	
	77-82,87-92	
	97-102,107-112	
	117-122,127-132	
3	10-12	AVE - Heading for average
	17-22,27-32	Values corresponding to
	37-42,47-52	the twelve times
	57-62,67-72	
	77-82,87-92	
	97-102,107-112	
	117-122,127-132	
4	10-12	S D - Heading for standard of Deviation
	17-22,27-32	Values corresponding to
	37-42,47-52	the twelve times
	57-62,67-72	
	77-82,87-92	
	97-102,107-112	
	117-122,127-132	
5	8-12	COUNT- Heading for number of points
	16-18,26-28	Total of points used for
	36-38,46-48	particular time
	56-58,66-68	
	76-78,86-88	
	96-98,106-108	
	116-118,126-128	

These 5 records are repeated 12 time. At the end of this data a new page is begun with succeeding times. At the end of the tape there exist 13 records with only carriage control characters in space one and a note as to the number of pages and the cost of microfilming.

				REC	1, LENGTH	138
C CLOCK 16559551 389- 2- 1				REC	2, LENGTH	138
				REC	3, LENGTH	138
				REC	4, LENGTH	138
S	H	M	S	H	M	S
15	22	26	28	22	29	42
22	32	55	22	36	REC	5, LENGTH
				REC	6, LENGTH	138
				REC	7, LENGTH	138
				REC	8, LENGTH	138
35	.41	.56	1.	REC	9, LENGTH	138
18	.16	.20	.	REC	10, LENGTH	138
30	.26	.30	.	REC	11, LENGTH	138
14	.05	.08	.	REC	12, LENGTH	138
101	168	0	167	REC	13, LENGTH	138
36	.40	.48	.27	25.	REC	14, LENGTH
12	.13	.12	.22	.	REC	15, LENGTH
21	.21	.22	.25	.	REC	16, LENGTH
05	.06	.06	.02	1.	REC	17, LENGTH
123	168	11	167	REC	18, LENGTH	138
32	.29	.87	.29	.	REC	19, LENGTH
09	.09	.09	.09	.	REC	20, LENGTH
18	.18	.19	.18	.	REC	21, LENGTH
06	.06	.08	.07	.	REC	22, LENGTH

Dupe of
D-5578

05	.08	.05		00				
	COUNT	148	168	167	168	168	168	168
	101	166	0	00				

E7.35	MAX	.35	.42	.48	.48	.39	.36
16.72		.50	.50	00			
	MIN	.25	.25	.25	.25	.25	.30
	.25	.25	.25	00			
	AVE	.31	.36	.35	.35	.30	.33
	.49	.35	.36	00			
	S D	.04	.05	.07	.08	.04	.02
	1.48	.08	.10	00			

	COUNT	101	56	168	168	101	45	168
	123	167	123	00				

E14.5	MAX	.41	.15	.17	.15	.14
17	.15	.17	15.10	00		
	MIN	.07	.07	.07	.07	.13
07	.07	.07	.07	00		
	AVE	.12	.11	.11	.11	.14
11	.11	.11	.21	00		
	S D	.04	.03	.03	.03	.01
03	.03	.03	1.21	00		

	COUNT	120	158	154	151	11	0	156
	156	156	154	00				

E30	MAX		.08	.24	.08	12.32	.08
08	.07	35.02	.08	00			
	MIN		.07	.07	.07	.07	.07
07	.07	35.02	.07	00			
	AVE		.07	.07	.07	.51	.07
07	.07	35.02	.07	00			
	S D		.00	.03	.00	2.32	.00
00	.03		.01	00			

	COUNT	0	37	26	22	28	29	34
	5	1	26	00				

E70	MAX					2.74
36			.07	00		
	MIN		.07	00		2.74
36			.07	00		
	AVE					2.74
36			.07	00		
	S D					
			0.00	00		

	COUNT	0	0	0	0	1	0
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168	168	101	157	REC	23, LENGTH	138
.36	.48	.53		REC	24, LENGTH	138
.30	.25	.25		REC	25, LENGTH	138
.33	.35	.36		REC	26, LENGTH	138
.02	.08	.09		REC	27, LENGTH	138
45	168	123	0	REC	28, LENGTH	138
	.17	.17	.	REC	29, LENGTH	138
	.07	.07	.	REC	30, LENGTH	138
	.11	.11	.	REC	31, LENGTH	138
	.03	.03	.	REC	32, LENGTH	138
0	156	160	120	REC	33, LENGTH	138
.08	.08	.08	.	REC	34, LENGTH	138
.07	.07	.07	.	REC	35, LENGTH	138
.07	.07	.07	.	REC	36, LENGTH	138
.00	.01	.00	.	REC	37, LENGTH	138
29	34	30	27	REC	38, LENGTH	138
			.	REC	39, LENGTH	138
			.	REC	40, LENGTH	138
			.	REC	41, LENGTH	138
				REC	42, LENGTH	138
0	0	0	1	REC	43, LENGTH	138

.84	.74	.84	.94	.	REC 191, LENGTH 136
.76	.26	.36	.36	.	REC 192, LENGTH 136
.54	.53	.54	.53	.	REC 193, LENGTH 136
.10	.10	.10	.12	.	REC 194, LENGTH 136
168	168	168	168	168	REC 195, LENGTH 136
.20	.58	.36	.20	1.	REC 196, LENGTH 136
.01	.01	.01	.01	.	REC 197, LENGTH 136
.07	.08	.09	.08	.	REC 198, LENGTH 136
.04	.05	.05	.03	.	REC 199, LENGTH 136
324	320	317	318	318	REC 200, LENGTH 136
					REC 201, LENGTH 136
					REC 202, LENGTH 136
					REC 203, LENGTH 136
					REC 204, LENGTH 136
					REC 205, LENGTH 136
					REC 206, LENGTH 136
					REC 207, LENGTH 136
					REC 208, LENGTH 136
					REC 209, LENGTH 136
					REC 210, LENGTH 136
					REC 211, LENGTH 136

0

0

PREVIOUS OUTPUT ENDED AT PAGE NUMBER

CROFILMING IS \$ 10.50

REC 212, LENGTH 135

REC 213, LENGTH 136

AT PAGE NUMBER 350

COST OF MI REC 214, LENGTH 136

1

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1

ALASKA

FEB 11, 1969

8 KBPS

S/C CLOCK 15749455

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H M S H M S H M S H M S H M S H M S H M

00

2 56 26 2 55 40 3 2 53 3 6 7 3 9 20 3 12 34 3 15 4

00

00

00

E.56 MAX .76 .50 1.05 .48 .51 .34 2.22

00

MIN .18 .15 .09 .13 .16 .07 .11

00

AVE .28 .30 .35 .28 .28 .18 .31

00

S D .05 .05 .19 .06 .06 .04 .26

00

COUNT 168 168 168 168 168 167 168

00

E1.3 MAX 2.18 3.33 .31 .29 .32 .59 .26

00

MIN .19 .15 .12 .13 .10 .09 .10

00

AVE .49 .63 .18 .18 .18 .25 .16

00

S D .44 .75 .04 .03 .04 .12 .04

00

COUNT 168 168 168 168 168 168 168

00

E3 MAX .61 .62 .29 .42 .32 .45 .29

00

MIN .14 .11 .09 .10 .10 .10 .10

00

AVE .27 .24 .18 .18 .18 .19 .19

00

S D .11 .05 .05 .06 .05 .06 .05

												REC	1. LENGTH	138
CLOCK 15749455 379- 2- 2												REC	2. LENGTH	138
												REC	3. LENGTH	138
												REC	4. LENGTH	138
S	H	M	S	H	M	S	H	M	S			REC	5. LENGTH	138
20	3	12	34	3	15	47	3	19	1			REC	6. LENGTH	138
												REC	7. LENGTH	138
												REC	8. LENGTH	138
1			.34			2.22			1.02			REC	9. LENGTH	138
6			.07			.11			.16			REC	10. LENGTH	138
8			.18			.31			.34			REC	11. LENGTH	138
6			.04			.26			.17			REC	12. LENGTH	138
		167			168			168				REC	13. LENGTH	138
2			.59			.26			.26			REC	14. LENGTH	138
0			.09			.10			.18			REC	15. LENGTH	138
8			.25			.16			.21			REC	16. LENGTH	138
4			.12			.04			.02			REC	17. LENGTH	138
		168			168			9				REC	18. LENGTH	138
2			.45			.29						REC	19. LENGTH	138
0			.10			.10						REC	20. LENGTH	138
8			.19			.19						REC	21. LENGTH	138
5			.06			.05						REC	22. LENGTH	138

D5879

168	0	REC	23, LENGTH	138
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.86	.70	REC	24, LENGTH	138
-----	-----	-----	------------	-----

.19	.31	REC	25, LENGTH	138
-----	-----	-----	------------	-----

.44	.46	REC	26, LENGTH	138
-----	-----	-----	------------	-----

.20	.13	REC	27, LENGTH	138
-----	-----	-----	------------	-----

168	0	REC	28, LENGTH	138
-----	---	-----	------------	-----

.15	.37	REC	29, LENGTH	138
-----	-----	-----	------------	-----

.07	.07	REC	30, LENGTH	138
-----	-----	-----	------------	-----

21	12	REC	1, LENGTH	138
.54	.93	REC	2, LENGTH	138
.01	.01	REC	3, LENGTH	138
.11	.19	REC	4, LENGTH	138
.13	.26	REC	5, LENGTH	138
42	24	REC	6, LENGTH	138
		REC	7, LENGTH	138
		REC	8, LENGTH	138
		REC	9, LENGTH	138
		REC	10, LENGTH	138
		REC	11, LENGTH	138
		REC	12, LENGTH	138
		REC	13, LENGTH	138
		REC	14, LENGTH	138
		REC	15, LENGTH	138
		REC	16, LENGTH	138
		REC	17, LENGTH	138
		REC	18, LENGTH	138
		REC	19, LENGTH	138
T PAGE NUMBER 241	COST OF MI	REC	20, LENGTH	138

1

00

1

ALASKA

MAY 10, 1969

5 KBPS

S/C CLOCK 22377895

00

00

00

H M S H M S H M S H M S H M S H M S H M S

S H M S H M S H M S 00

12 2 49 12 6 2 12 9 15 12 12 29 12 15 43 12 18 56 12 22 10

37 12 31 50 12 35 4 12 38 18 00

00

00

E.56 MAX .22 .20 .21 .17 .16 .20

16 .22 .22 .21 00

MIN .07 .07 .07 .07 .07 .07

17 .07 .07 .07 00

AVE .12 .11 .12 .11 .11 .11

11 .12 .12 .12 00

S D .03 .03 .03 .02 .02 .03

13 .03 .03 .03 00

COUNT 0 138 124 140 126 118 137

139 135 131 00

E1.3 MAX .15 .15 .19 .12 .10 .12

9 .15 .18 .12 00

MIN .06 .06 .06 .06 .06 .06

16 .06 .06 .06 00

AVE .07 .07 .08 .07 .07 .07

18 .08 .07 .07 00

S D .02 .01 .02 .01 .01 .01

12 .02 .02 .01 00

COUNT 0 139 137 119 113 103 110

123 123 118 00

E3 MAX .22 .22 .22 .20 .20 .20

20 .20 .22 .20 00

MIN .07 .07 .07 .07 .07 .07

37 .07 .07 .07 00

AVE .12 .12 .12 .11 .12 .12

12 .12 .12 .12 00

S D .04 .04 .04 .04 .04 .04

				REC	1. LENGTH	438
CK	22377895	464- 1- 3		REC	2. LENGTH	138
				REC	3. LENGTH	138
				REC	4. LENGTH	138
H	M	S	H M S H M S H M	REC	5. LENGTH	138
12	18	56	12 22 10 12 25 23 12 26	REC	6. LENGTH	138
				REC	7. LENGTH	138
				REC	8. LENGTH	138
.16	.20	.30	.	REC	9. LENGTH	138
.07	.07	.07	.	REC	10. LENGTH	138
.11	.11	.12	.	REC	11. LENGTH	138
.02	.03	.05	.	REC	12. LENGTH	138
18	137	129	128	REC	13. LENGTH	138
.10	.12	.10	.	REC	14. LENGTH	138
.06	.06	.06	.	REC	15. LENGTH	138
.07	.07	.07	.	REC	16. LENGTH	138
.01	.01	.01	.	REC	17. LENGTH	138
03	110	122	142	REC	18. LENGTH	138
.20	.20	.22	.	REC	19. LENGTH	138
.07	.07	.07	.	REC	20. LENGTH	138
.12	.12	.12	.	REC	21. LENGTH	138
.04	.04	.05	.	REC	22. LENGTH	138

D-60186
2 files

PRINTED IN U.S.A.

04	.14	.64	.04	00				
	COUNT	0	168	168	168	168	168	168
	168	168	168	00				
E7.35	MAX		.52	.50	.50	.50	.55	
60	.60	.62	.64	00				
	MIN		.20	.21	.21	.20	.20	
21	.21	.21	.22	00				
	AVE		.35	.35	.35	.35	.36	
40	.40	.40	.42	00				
	S D		.10	.10	.10	.10	.12	
14	.14	.14	.15	00				
	COUNT	0	168	168	168	168	168	168
	168	168	168	00				
E14.5	MAX		.19	.19	.19	.21	.15	
17	.17	.17	.21	00				
	MIN		.07	.07	.07	.07	.07	
07	.07	.07	.07	00				
	AVE		.11	.11	.11	.11	.11	
11	.11	.11	.13	00				
	S D		.03	.03	.03	.03	.03	
03	.03	.03	.04	00				
	COUNT	0	161	166	160	163	158	163
	159	165	168	00				
E30	MAX		.14	.14	.14	.14	.14	
15	.15	.17	.16	00				
	MIN		.07	.07	.07	.07	.07	
07	.07	.07	.07	00				
	AVE		.07	.07	.07	.07	.08	
10	.09	.09	.10	00				
	S D		.01	.01	.01	.02	.02	
02	.02	.02	.02	00				
	COUNT	0	63	59	50	58	76	55
	71	74	71	00				
E70	MAX	.07	.07	.07	.07	.07	.07	
07	.12	.07	.10	00				
	MIN	.07	.07	.07	.07	.07	.07	
07	.07	.07	.07	00				
	AVE	.07	.07	.07	.07	.07	.07	
07	.07	.07	.07	00				
	S D	.00	.00	.00	.00	.00	.00	
00	.01	.00	.01	00				
	COUNT	9	18	10	9	6	28	9

168	168	168	168	REC	23, LENGTH	138
.55	.53	.57	.	REC	24, LENGTH	138
.20	.21	.20	.	REC	25, LENGTH	138
.35	.36	.38	.	REC	26, LENGTH	138
.12	.12	.14	.	REC	27, LENGTH	138
168	168	168	168	REC	28, LENGTH	138
.15	.17	.17	.	REC	29, LENGTH	138
.07	.07	.07	.	REC	30, LENGTH	138
.11	.11	.11	.	REC	31, LENGTH	138
.03	.03	.03	.	REC	32, LENGTH	138
158	163	163	163	REC	33, LENGTH	138
.14	.10	.15	.	REC	34, LENGTH	138
.07	.07	.07	.	REC	35, LENGTH	138
.08	.07	.09	.	REC	36, LENGTH	138
.02	.01	.02	.	REC	37, LENGTH	138
75	55	74	71	REC	38, LENGTH	138
.07	.07	.07	.	REC	39, LENGTH	138
.07	.07	.07	.	REC	40, LENGTH	138
.07	.07	.07	.	REC	41, LENGTH	138
.00	.00	.00	.	REC	42, LENGTH	138
28	9	12	9	REC	43, LENGTH	138

	COUNT	168	168	168	168	168	168	168
	168	144		00				

SP TEL	MAX	1.32	1.60	1.32	5.35	1.24	2.57	1.
88	4.22	1.32		00				

	MIN	.74	.74	.74	.74	.74	.74	.
74	.74	.64		00				

	AVE	.99	1.03	1.00	1.11	1.01	1.01	1.
14	1.10	1.02		00				

	S D	.09	.11	.09	.58	.09	.19	.
80	.36	.08		00				

	COUNT	168	168	168	168	168	168	168
	168	136		00				

E.2	MAX	.21	.23	.26	.18	.22	.19	.
24	.21	.21		00				

	MIN	.01	.01	.01	.01	.01	.01	.
01	.01	.01		00				

	AVE	.08	.09	.08	.08	.09	.09	.
09	.09	.09		00				

	S D	.05	.05	.05	.05	.05	.05	.
05	.05	.05		00				

	COUNT	278	257	258	246	237	233	242
	208	186		00				

1				00				
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1				00				
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1				00				
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0				00				
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0				00				
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0				00				
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0				00				
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0				00				
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0				00				
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0				00				
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0				00				
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158	158	158	158	REC	1, LENGTH	138
2.57	1.32	1.41	10.	REC	2, LENGTH	138
.74	.74	.74	.	REC	3, LENGTH	138
1.01	1.00	1.03	1.	REC	4, LENGTH	138
.19	.09	.10	.	REC	5, LENGTH	138
168	168	168	168	REC	6, LENGTH	138
.19	.21	.23	.	REC	7, LENGTH	138
.01	.01	.01	.	REC	8, LENGTH	138
.09	.08	.09	.	REC	9, LENGTH	138
.05	.05	.06	.	REC	10, LENGTH	138
233	242	239	223	REC	11, LENGTH	138
				REC	12, LENGTH	138
				REC	13, LENGTH	138
				REC	14, LENGTH	138
				REC	15, LENGTH	138
				REC	16, LENGTH	138
				REC	17, LENGTH	138
				REC	18, LENGTH	138
				REC	19, LENGTH	138
				REC	20, LENGTH	138
				REC	21, LENGTH	138
				REC	22, LENGTH	138

PRINTED IN U.S.A.

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PREVIOUS OUTPUT ENDED AT PAGE NUMBER 175

CROFILMING IS \$ 5.25

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REC 23. LENGTH 138

REC 24. LENGTH 138

ED AT PAGE NUMBER 175

COST OF MI REC 25. LENGTH 138

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ROSMAN

MAR 27, 1963

64 KBPS

S/C CLOCK

25271487

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H M S H M S H M S H M S H M S

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16 33 50 16 37 4 16 40 17 16 43 31 16 46 44

00

00

00

E.56 MAX .35 .55 .50 .51

00

MIN .20 .20 .16 .11

00

AVE .33 .34 .32 .26

00

S D .08 .08 .07 .07

00

COUNT 0 1344 1344 1344 1344

00

E1.3 MAX .36 .40 .34 .31

00

MIN .13 .14 .13 .09

00

AVE .22 .24 .22 .19

00

S D .05 .05 .04 .05

00

COUNT 0 1344 1344 1344 1344

00

E3 MAX .33 .45 .33 .32

00

MIN .10 .10 .09 .08

00

AVE .20 .22 .18 .17

00

S D .06 .08 .06 .06

REC 1, LENGTH 138

OCK 25271487 207- 4- 1

REC 2, LENGTH 138

D-6187

REC 3, LENGTH 138

REC 4, LENGTH 138

REC 5, LENGTH 138

REC 6, LENGTH 138

REC 7, LENGTH 138

REC 8, LENGTH 138

REC 9, LENGTH 138

REC 10, LENGTH 138

REC 11, LENGTH 138

REC 12, LENGTH 138

REC 13, LENGTH 138

REC 14, LENGTH 138

REC 15, LENGTH 138

REC 16, LENGTH 138

REC 17, LENGTH 138

REC 18, LENGTH 138

REC 19, LENGTH 138

REC 20, LENGTH 138

REC 21, LENGTH 138

REC 22, LENGTH 138

PRINTED IN U.S.A.

		00			
COUNT	0	1344	1344	1344	1344
			00		
E7.35	MAX	.57	.97	.57	.62
			00		
	MIN	.17	.17	.16	.16
			00		
	AVE	.33	.47	.33	.34
			00		
	S D	.15	.27	.15	.17
			00		

COUNT	0	1344	1344	1344	1344
			00		
E14.5	MAX	.23	.23	.21	.23
			00		
	MIN	.07	.07	.07	.07
			00		
	AVE	.13	.14	.13	.12
			00		
	S D	.03	.03	.03	.03
			00		

COUNT	0	1343	1344	1344	1156
			00		
E30	MAX	.19	.20	.19	
			00		
	MIN	.07	.07	.07	
			00		
	AVE	.12	.11	.12	
			00		
	S D	.03	.02	.03	
			00		

COUNT	0	976	940	943	0
			00		
E70	MAX	.07	.09	.07	.07
			00		
	MIN	.07	.07	.07	.07
			00		
	AVE	.07	.07	.07	.07
			00		
	S D	.00	.00	.00	.00
			00		

COUNT	319	271	230	152	0
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REC 23, LENGTH 138

REC 24, LENGTH 138

REC 25, LENGTH 138

REC 26, LENGTH 138

REC 27, LENGTH 138

REC 28, LENGTH 138

REC 29, LENGTH 138

REC 30, LENGTH 138

REC 31, LENGTH 138

REC 32, LENGTH 138

REC 33, LENGTH 138

REC 34, LENGTH 138

REC 35, LENGTH 138

REC 36, LENGTH 138

REC 37, LENGTH 138

REC 38, LENGTH 138

REC 39, LENGTH 138

REC 40, LENGTH 138

REC 41, LENGTH 138

REC 42, LENGTH 138

REC 43, LENGTH 138

PRINTED IN U.S.A.

[illegible]

21	13	REC	1. LENGTH	138
.95	.65	REC	2. LENGTH	138
.26	.36	REC	3. LENGTH	138
.46	.49	REC	4. LENGTH	138
.17	.10	REC	5. LENGTH	138
21	13	REC	6. LENGTH	138
.33	.36	REC	7. LENGTH	138
.04	.04	REC	8. LENGTH	138
.09	.11	REC	9. LENGTH	138
.05	.08	REC	10. LENGTH	138
42	26	REC	11. LENGTH	138
		REC	12. LENGTH	138
		REC	13. LENGTH	138
		REC	14. LENGTH	138
		REC	15. LENGTH	138
		REC	16. LENGTH	138
		REC	17. LENGTH	138
		REC	18. LENGTH	138
		REC	19. LENGTH	138
		REC	20. LENGTH	138
		REC	21. LENGTH	138
		REC	22. LENGTH	138

PRINTED IN U.S.A.

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PREVIOUS OUTPUT ENDED AT PAGE NUMBER 210

CROFILMING IS \$ 6.30

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REC 23, LENGTH 138

REC 24, LENGTH 138

AT PAGE NUMBER 210

COST OF MI REC 25, LENGTH 138

PRINTED IN U.S.A.

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1

CLPARK

MAR 14.1968

1 KBPS

S/C CLOCK 24279709

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S	H	M	S	H	M	S	H	M	S	H	M	S	H	M	S	H	M	S	H	M	S
26	11	40	39	11	43	53	11	47	6	00											

11	11	38	11	14	51	11	18	5	11	21	18	11	24	32	11	27	45	11	30	59
----	----	----	----	----	----	----	----	---	----	----	----	----	----	----	----	----	----	----	----	----

26	11	40	39	11	43	53	11	47	6	00
----	----	----	----	----	----	----	----	----	---	----

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E.56	MAX			.40		.36	.32	.40	.35
26	.39	.58	.25	00					

09	MIN		.11		.09	.11	.11	.11	
	.10	.07	.05	00					

19	AVE		.15		.21	.20	.21	.22	
	.21	.26	.19	00					

05	S D		.07		.07	.06	.08	.06	
	.07	.10	.04	00					

COUNT	0	21	0	21	21	21	21	21
21	21	21	00					

E1.3	MAX		.24		.24	.25	.26	.25	
24	.25	.21	.24	00					

07	MIN		.07		.08	.07	.07	.08	
	.07	.07	.08	00					

14	AVE		.15		.15	.14	.15	.15	
	.16	.14	.16	00					

05	S D		.06		.05	.06	.06	.06	
	.06	.05	.06	00					

COUNT	0	21	0	21	21	21	21	21
21	21	21	00P					

E3	MAX	.19	.27		.29	.27	.29	.29	
33	.25	.29	.32	00					

07	MIN	.07	.07		.07	.07	.07	.07	
	.07	.07	.07	00					

17	AVE	.13	.16		.16	.20	.17	.17	
	.16	.17	.18	00					

	S D	.05	.07		.08	.08	.08	.08	
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REC 1, LENGTH 138

Dupe of
D-8795

CK	24279709	50- 3- 2	REC	2, LENGTH	138
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REC 3. LENGTH 138

REC 4, LENGTH 138

H M S H M S H M S H M REC 5. LENGTH 138

11	27	45	11	30	59	11	34	12	11	37	REC	6.	LENGTH	138
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REC 7. LENGTH 138

REC	8, LENGTH	138
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.40	.35	.36	. REC	9. LENGTH	138
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.11	.11	.12	. REC	10. LENGTH	138
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.21 .22 .20 . REC 11, LENGTH 138

.08	.06	.06	. REC	12, LENGTH	138
-----	-----	-----	-------	------------	-----

21	21	21	21	REC	13. LENGTH	138
----	----	----	----	-----	------------	-----

.26	.25	.28	. REC	14, LENGTH	138
-----	-----	-----	-------	------------	-----

.07	.08	.07	. REC	15, LENGTH	138
-----	-----	-----	-------	------------	-----

.15	.15	.16	. REC	16, LENGTH	138
-----	-----	-----	-------	------------	-----

.06	.06	.07	. REC	17. LENGTH	138
-----	-----	-----	-------	------------	-----

21	21	21	21	REC	18, LENGTH	139
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.29	.29	.33	. REC	19, LENGTH	138
-----	-----	-----	-------	------------	-----

.07	.07	.07	. REC	20. LENGTH	138
-----	-----	-----	-------	------------	-----

.17	.17	.21	. REC	21, LENGTH	138
-----	-----	-----	-------	------------	-----

.08	.08	.09	. REC	22, LENGTH	138
-----	-----	-----	-------	------------	-----

08	.07	.08	.08	00				
	COUNT	12	21	0	21	21	21	21
	21	21	21	00				
E7.35	MAX	.68	1.03		.81	1.00	.58	.62
56	.89	.76	.66	00				
	MIN	.19	.21		.21	.23	.21	.22
22	.23	.22	.21	00				
	AVE	.39	.52		.43	.55	.37	.38
39	.49	.44	.40	00				
	S D	.21	.33		.24	.31	.14	.15
18	.28	.23	.18	00				
	COUNT	21	21	0	21	21	21	21
	21	21	21	00				
E14.5	MAX	.15	.17	.14	.15	.17	.17	.14
15	.17	.17	.17	00				
	MIN	.07	.07	.07	.07	.08	.07	.07
08	.08	.08	.07	00				
	AVE	.11	.12	.11	.11	.13	.12	.11
13	.13	.13	.12	00				
	S D	.03	.03	.03	.03	.03	.03	.03
03	.03	.03	.03	00				
	COUNT	21	21	12	21	21	21	21
	21	21	21	00				
E30	MAX	.10	.10	.13	.16	.10	.13	.11
10	.10	.10	.10	00				
	MIN	.07	.07	.07	.07	.07	.07	.07
07	.07	.07	.07	00				
	AVE	.08	.09	.11	.11	.07	.08	.11
08	.08	.08	.08	00				
	S D	.01	.01	.03	.04	.01	.02	.03
01	.02	.01	.02	00				
	COUNT	11	3	8	11	12	11	14
	12	13	12	00				
E70	MAX			00				
	MIN			00				
	AVE			00				
	S D			00				
	COUNT	0	0	0	0	0	0	0

21	21	21	21	REC	23, LENGTH	138
.58	.62	1.05	.	REC	24, LENGTH	138
.21	.22	.25	.	REC	25, LENGTH	138
.37	.38	.55	.	REC	26, LENGTH	138
.14	.15	.32	.	REC	27, LENGTH	138
21	21	21	21	REC	28, LENGTH	138
.17	.14	.19	.	REC	29, LENGTH	138
.07	.07	.07	.	REC	30, LENGTH	138
.12	.12	.12	.	REC	31, LENGTH	138
.03	.03	.04	.	REC	32, LENGTH	138
21	21	21	21	REC	33, LENGTH	138
.13	.17	.10	.	REC	34, LENGTH	138
.07	.07	.07	.	REC	35, LENGTH	138
.08	.11	.08	.	REC	36, LENGTH	138
.02	.04	.01	.	REC	37, LENGTH	138
11	14	12	11	REC	38, LENGTH	138
				REC	39, LENGTH	138
				REC	40, LENGTH	138
				REC	41, LENGTH	138
				REC	42, LENGTH	138
0	0	0	0	REC	43, LENGTH	138

	COUNT	768	1087	1343	1216
E.2	MAX	60.81	.64	3.12	./1
	MIN	.01	.01	.01	.01
	AVE	.14	.12	.19	.17
	S D	1.62	.06	.18	.12

COUNT	1402	2088	2590	2311
			00	

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REC 275, LENGTH 138

REC 276, LENGTH 138

REC 277, LENGTH 138

REC 278, LENGTH 138

REC 279, LENGTH 138

REC 280, LENGTH 138

REC 281, LENGTH 138

REC 282, LENGTH 138

REC 283, LENGTH 138

REC 284, LENGTH 138

REC 285, LENGTH 138

REC 286, LENGTH 138

REC 287, LENGTH 138

REC 288, LENGTH 138

REC 289, LENGTH 138

REC 290, LENGTH 138

REC 291, LENGTH 138

REC 292, LENGTH 138

REC 293, LENGTH 138

REC 294, LENGTH 138

REC 295, LENGTH 138

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PREVIOUS OUTPUT ENDED AT PAGE NUMBER 270

CROFILMING IS \$ 8.10

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REC 296, LENGTH 138

REC 297, LENGTH 138

DED AT PAGE NUMBER 270

COST OF MI REC 298, LENGTH 138

REC 299, LENGTH 1