

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

OGO-5
PLASMA WAVES

CDC6600

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

OGO-5
PLASMA WAVES

CDC6600

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.

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

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.

1 ALASKA FEB 21 1969 8 KBPS S/C CLOCK 16559551 3
 00
 00
 00
 S H M S H M S H M S H M S H M S H M S H M S H M S H M S
 9 22 35 22 22 10 20 22 13 34 22 16 48 22 20 1 22 23 15 22 26 28 22 29 42
 22 42 36 22 45 49 00
 00
 00
 E.56 MAX .56 .66 .48 1.85 .41 .56
 19 .72 .66 1.19 00
 MIN .16 .18 .17 .21 .16 .16 .20
 09 .16 .18 .20 00
 AVE .30 .30 .31 .32 .34 .30 .26 .30
 33 .30 .30 .32 00
 S D .09 .08 .08 .09 .06 .14 .05 .08
 15 .09 .08 .12 00
 COUNT 0 168 168 67 168 101 168
 167 168 167 00
 E1.3 MAX .27 .58 .34 .31 .36 .40 .48
 41 .69 .79 2.01 00
 MIN .12 .13 .13 .12 .12 .13 .12
 12 .12 .12 .13 00
 AVE .23 .23 .23 .22 .20 .21 .21 .22
 39 .23 .23 .26 00
 S D .04 .06 .05 .05 .05 .06 .06
 95 .10 .10 .23 00
 COUNT 67 168 168 167 168 168 123 168
 168 168 157 00
 E3 MAX .29 .32 .33 .33 .32 .29 .87
 33 .32 1.12 .00
 MIN .10 .09 .09 .09 .09 .09 .09
 09 .09 .09 .00
 AVE .19 .19 .19 .18 .18 .18 .19
 18 .18 .18 .00
 S D .06 .06 .06 .06 .06 .06 .06

Dupe of
2-5578

C CLOCK	16559551	389- 2- 1	REC	1. LENGTH	138									
REC 2. LENGTH 138														
REC 3. LENGTH 138														
REC 4. LENGTH 138														
S H M S H M S H M S H M REC 5. LENGTH 138														
15	22	26	28	22	29	42	22	32	55	22	36	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	138						
12	.13	.12	.22	.	REC	15.	LENGTH	138						
21	.21	.22	.25	.	REC	16.	LENGTH	138						
05	.06	.06	.02	1.	REC	17.	LENGTH	138						
123	168	11		167	REC	18.	LENGTH	138						
32	.29	.87	.29	.	REC	19.	LENGTH	138						
09	.09	.09	.09	.	REC	20.	LENGTH	138						
18	.18	.19	.18	.	REC	21.	LENGTH	138						
06	.05	.08	.07	.	REC	22.	LENGTH	138						

	CS	.06	.05	00					
	COUNT	101	168	168	167	168	168	168	168
			166	0	00				
E7.35	MAX	.54	.48	.48	.48	.48	.39	.36	
		16.72	.50	.50	00				
	MIN	.25	.25	.25	.25	.25	.25	.30	
		.25	.25	.25	00				
	AVE	.31	.36	.35	.35	.35	.30	.33	
		.49	.35	.36	00				
	S D	.04	.05	.07	.08	.08	.04	.02	
		1.48	.08	.10	00				
	COUNT	123	101	56	168	168	101	45	168
			167	123	00				
E14.5	MAX	.41	.16	.17	.17	.15	.14		
		17	.17	15.10	00				
	MIN	.07	.07	.07	.07	.07	.13		
		.07	.07	.07	00				
	AVE	.12	.11	.11	.11	.11	.14		
		.11	.11	.21	00				
	S D	.04	.03	.03	.03	.03	.01		
		.03	.03	1.21	00				
	COUNT	156	120	158	154	151	11	0	156
			156	154	00				
E30	MAX	.08	.07	.08	.24	.08	12.32	.08	
			35.02	.08	00				
	MIN	.07	.07	.07	.07	.07	.07	.07	
		.07	35.02	.07	00				
	AVE	.07	.07	.07	.07	.07	.51	.07	
		.07	35.02	.07	00				
	S D	.00	.00	.03	.00	.00	2.32	.00	
		.00	.01	00					
	COUNT	5	0	37	26	22	28	29	34
			1	26	00				
E70	MAX	36		.07	00			2.74	
	MIN	36		.07	00			2.74	
	AVE	36		.07	00			2.74	
	S D			0.00	00				
	COUNT	0	0	0	0	0	1	0	0

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	.	REC	34, LENGTH	138
	.07	.07	.	REC	35, LENGTH	138
	.07	.07	.	REC	36, LENGTH	138
	.00	.01	.	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

120

SD	FL	MAX	.84	.84	.84	.84	.84	.74
84		.95						
		MIN	.36	.36	.36	.26	.36	.25
26		.50						
		AVE	.53	.53	.53	.55	.54	.53
60		.69						
		S.D	.08	.11	.11	.11	.10	.10
13		.11						

COUNT 168 158 168 168 168 168 168 168 168

120

FL	MAX	.29	.20	.23	.26	.20	.58	
E.2	1.82							
16								
		MIN	.01	.01	.01	.01	.01	.01
08	.01							
		AVE	.08	.08	.08	.08	.07	.08
09	.09							
		S.D	.04	.03	.04	.04	.04	.05
10	.13							

COUNT 320 319 322 322 324 324 320 320

220

1

1

1

0

0

0

0

0

0

0

0

.84	.74	.84	.84	.	REC	191, LENGTH	136
.36	.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	.	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

PREVIOUS OUTPUT ENDED AT PAGE NUMBER

CROFILMING IS \$ 10.50

REC 212, LENGTH 136

REC 213, LENGTH 136

AT PAGE NUMBER 350

COST OF MI REC 214, LENGTH 136

1

00

1

ALASKA

FEB 11, 1969

8 KBPS

S/C CLOCK 15749455

00

00

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 168 168 168 168 168 168 167 168

00

E1.3 MAX 2.16 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 168 168 168 168 168 168 168 168

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

00

REC 1, LENGTH 138
D 5879
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

168	0	REC	23, LENGTH	138
.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

PREVIOUS OUTPUT ENDED AT PAGE NUMBER 24

CRC FILMING IS 8 7.23

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 1968

HARV 400.5

© KARS

SAC-CHECK

23177805

90

98

60

203

E*56 MAX .22 .20 .21 .17 .16 .20
16 .22 .22 .21 00

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

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

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

COUNT	0	138	124	143	126	118	137
139	135	131	00				

E1+3	MAX		.15	.15	.19	.12	.10	.12
.9	.15	.18	.12	.00				

16 .06 .06 .06 .06 .06 .06 .06 .06 .06 .06

12 .02 .02 .01 .00 .02 .01 .01 .01 .01

COUNT	0	139	137	119	113	103	100
123	123	118	00				

E3 MAX .22 .22 .22 .20 .20 .20
20 .20 .22 .20 00

37 .07 .07 .07 .00 .07 .07 .07 .07 .07 .07

12 .12 .12 .12 .12 .12 .11 .12 .12

•04 •04 •04 •04 •04 •04

REC 1, LENGTH 438 *438*
CK 22377895 464- 1- 3 REC 2, LENGTH 138 *D-10186*
REC 3, LENGTH 138 *2 files*
REC 4, LENGTH 138
H M S H M S H M REC 5, LENGTH 138
12 18 56 12 22 10 12 25 23 12 28 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

04	.34	.64	.04	00				
COUNT	0	168	168	168	168	168	168	168
	168	168	168	00				
E7.35	MAX		.52	.50	.50	.50	.50	.55
60	.50	.62	.64	00				
MIN		.20	.21	.21	.20	.20	.20	.20
21	.21	.21	.22	00				
AVE		.35	.35	.35	.35	.35	.35	.36
43	.40	.40	.42	00				
SD		.10	.10	.10	.10	.10	.10	.12
14	.14	.14	.15	00				
COUNT	0	168	168	168	168	168	168	168
	168	168	168	00				
E14.5	MAX		.19	.19	.19	.21	.21	.15
17	.17	.17	.21	00				
MIN		.07	.07	.07	.07	.07	.07	.07
07	.07	.07	.07	00				
AVE		.11	.11	.11	.11	.11	.11	.11
11	.11	.11	.13	00				
SD		.03	.03	.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	.14
15	.15	.17	.16	00				
MIN		.07	.07	.07	.07	.07	.07	.07
07	.07	.07	.07	00				
AVE		.07	.07	.07	.07	.07	.07	.08
10	.09	.09	.10	00				
SD		.01	.01	.01	.01	.02	.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
07	.12	.07	.10	00				
MIN	.07	.07	.07	.07	.07	.07	.07	.07
07	.07	.07	.07	00				
AVE	.07	.07	.07	.07	.07	.07	.07	.07
07	.07	.07	.07	00				
SD	.00	.00	.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
*36	*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
76	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
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					

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

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

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

COUNT	168	168	168	168	168	168	168	168
168	136	00						

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

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

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

05	S D	.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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168	158	168	168	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	158	158	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

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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

1
00

1 ROSMAN MAR 27, 1963 64 Kbps S/C CLOCK 25271487
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00

H M S H M S H M S H M S H M S
00

16 33 50 16 37 4 16 40 17 16 43 31 16 46 44
00

00

00

E.56 MAX .55 .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-
D16187

REC 2, LENGTH 138

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

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	
			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	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

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.

COUNT	21	21	21	21	21	21	21	13
			00					

SP TEL	MAX	.95	.95	.74	.84	1.41	.95	.
			00					

MIN		.18	.18	.36	.26	.36	.26	.
			00					

AVE		.48	.49	.52	.47	.50	.46	.
			00					

SD		.16	.15	.12	.14	.23	.17	.
			00					

COUNT	21	21	21	21	21	21	21	13
			00					

E.2	MAX	.18	.29	.29	.40	.60	.33	.
			00					

MIN		.02	.05	.03	.03	.03	.04	.
			00					

AVE		.08	.09	.10	.11	.10	.09	.
			00					

SD		.04	.06	.07	.09	.09	.06	.
			00					

COUNT	42	42	42	42	42	42	42	26
			00					

1		00						

1		00						

1		00						

0		00						

0		00						

0		00						

0		00						

0		00						

0		00						

0		00						

0		00						

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
.06	.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.

1

90

1

© PAPK

MAR 14.1968
20

1 Kbps

S/C CLOCK 24279709

30

80

S H N S H N S H N S H N S H N S H N S H N S H N S

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

30

20

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

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

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

05 S D .07 .07 .06 .08 .06
.01 .10 .04 .00

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

€1.3 MAX .24 .24 .25 .26 .25
24 .25 .21 .24 00

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

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

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

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

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

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

17 AVE .12 .18 .18 .20 .17 .17

S D -CS -C7 -08 -08 -08 -08

REC 1, LENGTH 138 *Dye of*
ICK 24279709 50- 3- 2 REC 2, LENGTH 138 *D-8795*

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

REC 7, LENGTH 138

REC 8, LENGTH 138

.40 .35 .36 • REC 9, LENGTH 138

.11 .13 .12 • REC 10, LENGTH 138

.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

.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	.06	.06	00					
COUNT	12	21	21	0	00	21	21	21	21	21
21	21	21	21	00						
E7.35	MAX	.66	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	.29	.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	21	0	00	21	21	21	21	21
21	21	21	21	00						
E14.5	MAX	.15	.17	.14		.15	.17	.17	.17	.14
15	.17	.17	.17	00						
MIN	.07	.07	.07			.07	.08	.07	.07	.07
08	.08	.08	.07	00						
AVE	.11	.12	.11			.11	.13	.12	.12	.12
13	.13	.13	.12	00						
S D	.03	.03	.03			.03	.03	.03	.03	.03
03	.03	.03	.03	00						
COUNT	21	21	21	12	00	21	21	21	21	21
21	21	21	21	00						
E30	MAX	.10	.10	.13		.16	.10	.13	.13	.11
10	.10	.10	.10	00						
MIN	.07	.07	.07			.07	.07	.07	.07	.07
07	.07	.07	.07	00						
AVE	.08	.09	.11			.11	.07	.08	.08	.11
08	.08	.08	.08	00						
S D	.01	.01	.03			.04	.01	.02	.02	.01
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

			00		
SP TEL	MAX	1.50	1.98	2.16	4.39
			00		
	MIN	.55	1.02	1.24	1.60
			00		
	AVE	1.24	1.45	1.63	2.47
			00		
	S D	.09	.15	.18	.64
			00		
COUNT	768	1087	1343	1216	
			00		
E.2	MAX	60.61	.64	3.12	.1
			00		
	MIN	.01	.01	.01	.01
			00		
	AVE	.14	.12	.19	.17
			00		
	S D	1.62	.06	.18	.12
			00		
COUNT	1402	2088	2590	2311	
			00		

1

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1

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0

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0

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0

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0

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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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DED AT PAGE NUMBER 270

REC 296, LENGTH 138

REC 297, LENGTH 138

COST OF MI REC 298, LENGTH 138

REC 299, LENGTH 1