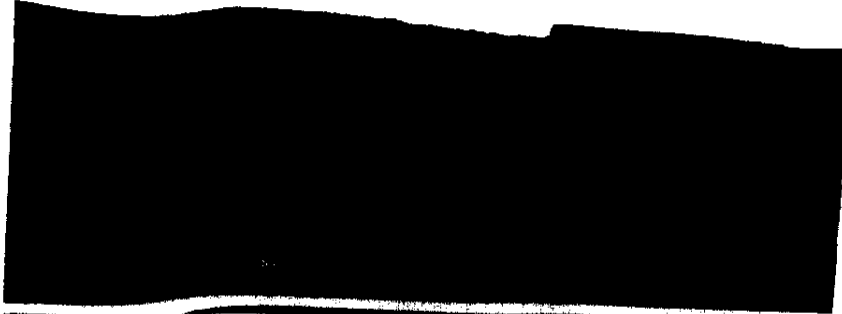




#350

MARINER 10
SEDR SUBSET SUPPORT DATA
FOR ALL PHOTOGRAPHS
73-085A-01P

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

MARINER 10

SEDR SUBSET SUP. DATA FOR ALL PHOTO

73-085A-01P

PSPA-00318

This data set has been restored. There was originally one 7-track, 556 BPI tape written in Binary. There is one restored tape. The DR tape is a 3480 cartridge and the DS tape is 9-track, 6250 BPI. The original tape was created on an IBM 360 computer and the restored tape was created on an IBM 9021 computer. The DR and DS numbers along with the corresponding D number are as follows:

DR#	DS#	D#	FILES	TIME SPAN
-----	-----	-----	-----	-----
DR005955	DS005955	D023753	1	11/03/73 - 09/23/74

* One record lost during restoration - the original tape had 12991 records, the restored tape has 12990.

REQ. AGENT
WTJ

RAND NO.
RC6128

ACQ. AGENT
CDW

MARINER 10

SEDR SUBSET SUPPORT DATA

FOR ALL PHOTOGRAPHS

73-085A-01P

This data set consists of one Mariner 10 SEDR tape that was created on an IBM 360 computer and contains one file of data. The tape is 7-track, 556 BPI and was written with TRTCH=C. The records are blocked one logical record per physical record which contains 284 bytes of data.

The data are ordered by day number. The 1974 data start on record 1 day 19 and end on record 11,763 day 266. The 1973 data start on record 11764 day 307 and end on day 365.

<u>D#</u>	<u>C#</u>	<u>TIME SPAN</u>
D-23753	C-17910	11/03/73 - 09/23/74

DESCRIPTION OF LIBRARY SEDR TAPE

Tape ID: NSSDC1
Density: 7-track, 556 BPI
Computer Used: IBM 360/65 (OS System)
Parameters Used: DCB = (DEN=1, TRTCH=C)
Label = (,BLP)
Record Length: 284 bytes
Fields: 76
Total Records: 12,991

Field
Data Type

C = Character String

P = Packed Decimal (first digit = field size, second digit = decimal places)

F = Fixed Point (two's complement binary format)

E = Floating Point

<u>Field</u>	<u>Description</u>	<u>Units</u>	<u>Type</u>	<u>Length</u>
1	Day-Day of year when image recorded	Days	C	3
2	FDS-Flight Data Subsystem count	None	C	7
3	Year-Year picture taken. 3=1973, 4=1974	Year	C	1
4	Camera identification	None	C	1
5	Filter position (number and color)	None	C	10
6	Filter size		C	3
7	Filter number		C	3
8	Filter color		C	6
9	Exposure time	Seconds	C	7
10	Instrument ID	None	E	4
11	Television system serial number	None	C	1
12	Measurement time ataspacecraft	Year	F	2
13	" " " "	Day	F	2
14	" " " "	Hour	F	1
15	" " " "	Minute	F	1
16	" " " "	Second	F	1
17	" " " "	Millisec	F	2
18	Planet	None	C	11
19	Spacecraft altitude to planet surface	KM	E	4
20	Radial velocity relative to planet center	KM/sec	E	4
21	Smear velocity in image plane of pic center	mm/sec	E	4
22	Smear direction in image plane	Deg	P	3/2
23	Pixel size [projected surface scale]	KM/pixel	E	4
24	Line size [factors]	KM/line	E	4
25	Latitude of left limb extreme	Deg	E	4
26	Latitude of center limb extreme	Deg	E	4
27	Latitude of right limb extreme	Deg	E	4
28	Picture height	KM	E	4
29	Picture width	KM	E	4
30	Spacecraft range to limb	KM	E	4
31	Longitude of right limb extreme	Deg	E	4
32	Longitude of center limb extreme	Deg	E	4
33	Longitude of left limb extreme	Deg	E	4
34	Spacecraft tangential velocity relative to the planet center	KM/sec	P	2/1

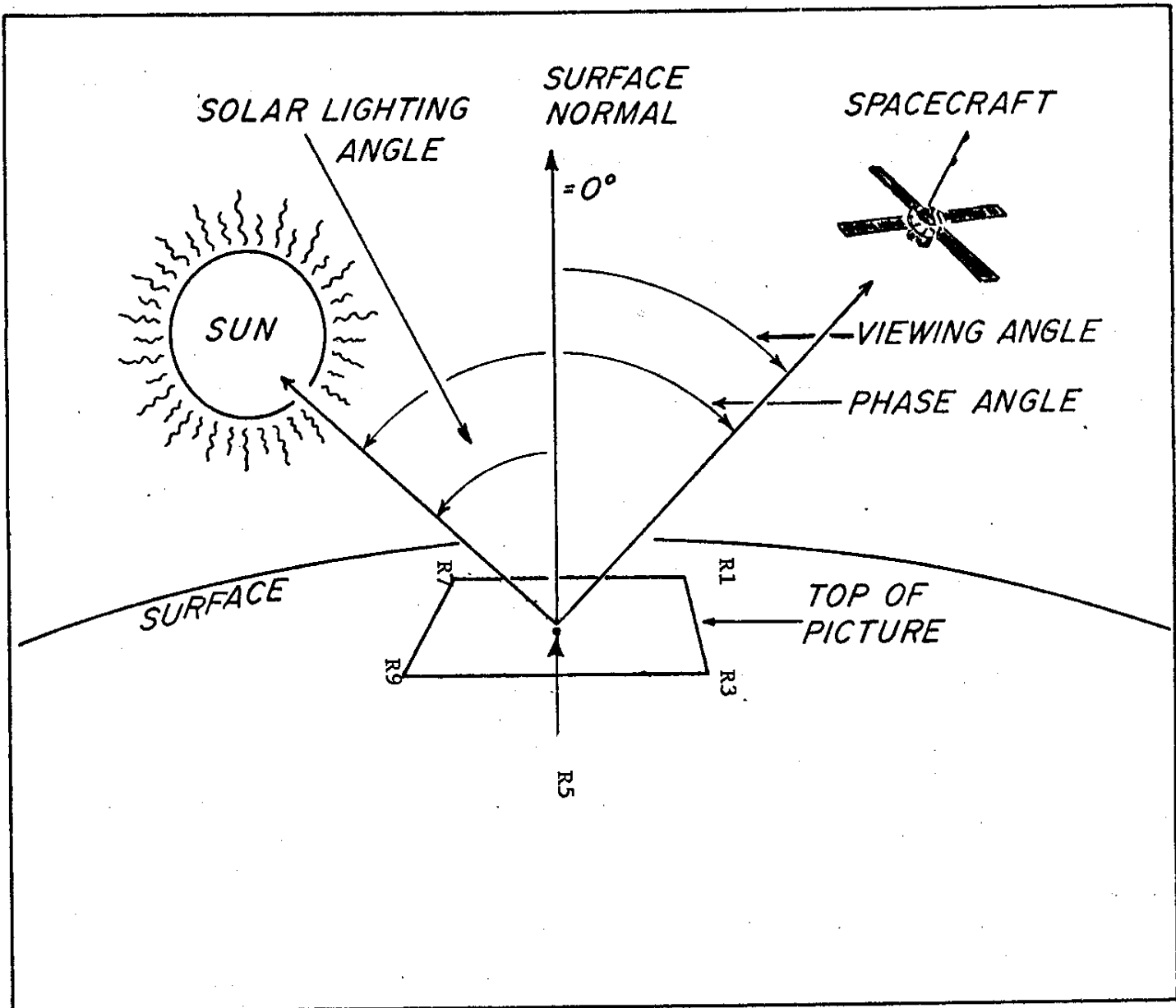
3

<u>Field</u>	<u>Description</u>		<u>Units</u>	<u>Type</u>	<u>Length</u>
35	Distance from spacecraft to planet center		KM	E	4
36	Solar latitude		Deg	P	3/2
37	Solar longitude		Deg	P	3/2
38	Spacecraft latitude		Deg	P	3/2
39	Spacecraft longitude		Deg	P	3/2
40	Lighting angle	R-1	Deg	P	3/2
41	" "	R-3	"	P	3/2
42	" "	R-5	"	P	3/2
43	" "	R-7	"	P	3/2
44	" "	R-9	"	P	3/2
45	Phase Angle	R-1	"	P	3/2
46	" "	R-3	"	P	3/2
47	" "	R-5	"	P	3/2
48	" "	R-7	"	P	3/2
49	" "	R-9	"	P	3/2
50	Viewing Angle	R-1	"	P	3/2
51	" "	R-3	"	P	3/2
52	" "	R-5	"	P	3/2
53	" "	R-7	"	P	3/2
54	" "	R-9	"	P	3/2
55	Latitude	R-1	"	P	3/2
56	"	R-3	"	P	3/2
57	"	R-5	"	P	3/2
58	"	R-7	"	P	3/2
59	"	R-9	"	P	3/2
60	Longitude	R-1	"	P	3/2
61	"	R-3	"	P	3/2
62	"	R-5	"	P	3/2
63	"	R-7	"	P	3/2
64	"	R-9	"	P	3/2
65	Slant Range	R-1	KM	E	4
66	" "	R-3	KM	E	4
67	" "	R-5	KM	E	4
68	" "	R-7	KM	E	4
69	" "	R-9	KM	E	4

4

<u>Field</u>	<u>Description</u>		<u>Units</u>	<u>Type</u>	<u>Length</u>
70	Spacecraft position vector relative to the planet center, EME, 1950.0	VR-1	KM	E	4
71		VR-2	KM	E	4
72		VR-3	KM	E	4
73	Direction of north in image plane		Deg	E	4
74	Angle in image plane of line from center of picture to sub-solar point, relative to C1 (P5-P6) vector		Deg	E	4
75	Identification of tape containing raw image data		None	C	6
76	Comments		None	C	20

PICTORIAL REPRESENTATION OF DATA PARAMETERS



RECORD NUMBER=11763 CAY=266 YEAR=1974
RECORD NUMBER=11764 CAY=307 YEAR=1973

IEF1421 - STEP WAS EXECUTED - COND CODE 0000

IEF2851 SYS76202.T104511.RV000.YZJRJTC2.LODMOD PASSED
IEF2851 VOL SER NOS= K3SCR3.
IEF2851 SYS76202.T104511.SV000.YZJRJTC2.R0000900 SYS OUT
IEF2851 VOL SER NOS= K3SCR4.
IEF2851 SYS76202.T104511.SV000.YZJRJTC2.R0000901 DELETED
IEF2851 VOL SER NOS= K3SCR3.
IEF2851 SYS76202.T104511.SV000.YZJRJTC2.R0000902 DELETED
IEF2851 VOL SER NOS= K3SCR4.
IEF2851 SYS76202.T104511.RV000.YZJRJTC2.R0000903 KEPT
IEF2851 VOL SER NOS= JJ0102.
IEF280E K 000.JJ0102.YZJRJTC2.GO
IEF3731 STEP /GO / START 76202.1900
IEF3741 STEP /GO / STOP 76202.1908 CPU OMIN 24.37SEC MAIN 42K LCS OK
- STEP 03 - RETURN CODE = 0000

IO IN SECS. DISK= .80.DRUM= .14.TAPE= 117.69.CELL= .00.OTHR= .12
IEF2851 SYS76202.T104511.RV000.YZJRJTC2.LODMOD DELETED
IEF2851 VOL SER NOS= K3SCR3.
IEF3751 JOB /YZJRJTC2/ START 76202.1839
IEF3761 JOB /YZJRJTC2/ STOP 76202.1908 CPU OMIN 27.03SEC
- SYSTEM=MVT-21 (11-21-73) K3
- JOB 0370-

TOTAL TIME = 2.72 MINS=(CPU= .45,IO= 2.27)
IO IN SECS. DISK= 18.05.DRUM= .90.TAPE= 117.69.CELL= .00.OTHR= .44
THERE WERE 01 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.

11/03/73-9/23/74

F04F0F0F0	F0F2F2F1	F2F1C0C1	40404040	E4E54040	40404040	F0404040	E4E54040	4040F0F0	4BF1F8F4
F1404040	40400000	C0C0C000	000000C5	C1D9E3C8	61D4D6D6	D5400000	00004040	40404040	40404040
40404040	40404040	4C4C4040	40404040	40404040	40404040	40404040	40404040	40404040	40404040
40404040	40C0C0C0	C0C0C000	0000C000	00400000	0000000C	00C00000	0C00000C	00000C00	0C0C0000
0C0000C0	00000C00	C0C0C000	0C0C000C	00000C00	0C0C0000	00C00000	0C00000C	000C0000	0C00000C
00000C00	00C0C000	C0C0C00C	0000C000	00C0C000	0C000000	0000000C	00000000	00000000	00000C40
40404040	40404040	4C4E4040	404C4040	404C4040	4C400040	40404040	40404040	40404040	40404040

RECORD 4 OF FILE 1
LENGTH = 284 BYTES

F0F1F9F0	F0F2F2F1	F2F2F4C2	404C4040	E4E54040	4C404040	F0404040	E4E54040	4040F0F0	4EF1F8F1
F4404040	40400000	CC0C0000	000C00C5	C1D9E3C8	61D4D6D6	D5400000	00004040	40404040	40404040
404C4040	40404040	4C4C4040	404C4040	404C4040	40404040	40404040	40404040	40404040	40404040
40404040	40C00C00	CC0C0000	000C0000	0C00000C	00000C00	000C0000	0C00000C	00000C00	000C0000
0C00000C	00000C00	0C0C0000	0C0C000C	00000C00	0C0C0000	0C00000C	00000C00	000C0000	0C00000C
00000C00	000C0000	0C0C000C	00000C00	000C0000	0C000000	00000000	00000000	00000000	00004040
404C4040	40404040	404C4040	404C4040	404C4040	40404040	40404040	40404040	40404040	40404040
404C4040									

RECORD 5 OF FILE 1
LENGTH = 284 BYTES

F0F1F9F0	F0F2F3F0	F3F8F440	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
40000000	004007B6	CC13131C	0D0C08C5	C1D9E3C8	61D4D6D6	D54046C2	6A65C19E	837A3FC4	69C71278
8C5230CA	025230CA	02C736A4	37C736A4	37C736A4	37000000	00000000	0046C282	40C736A4	37C736A4
37C736A4	37004C46	C2824F00	118D1346	4C01003C	33590C16	295C1633	3C16316C	16299C16	335C0000
0C00000C	00000C00	0C0C0000	0C16674C	18720C18	768C1867	9C18725C	01014C01	013C0101	0C01010C
01018C32	921C32E7	8C32897C	32916C32	873C4616	EC924618	7D7E4617	CC614617	18194618	ACC5C68D
32C64666	834D4655	F3EB4040	404C4040	40404040	40404040	40404040	40404040	40404040	40404040
404C4040									

RECORD 12987 OF FILE 1
LENGTH = 284 BYTES

F3F6F5F9	F9F9F9F9	F5F6F340	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
40000000	00400000	0C0C0000	0C0C00C5	C1D9E3C8	61D4D6D6	D5400000	00000000	00000000	00000000
0C000000	00000000	0C0C0000	00000000	00000000	00000000	00000000	00000000	00000000	00000000
00000000	00000C00	0C0C0000	000C0000	0C00000C	00000C00	000C0000	0C00000C	00000C00	000C0000
0C00000C	00000C00	0C0C0000	0C0C000C	00000C00	0C0C0000	0C00000C	00000C00	000C0000	0C00000C
00000C00	000C0000	0C0C000C	000C0000	000C0000	0C0C0000	0C00000C	00000C00	000C0000	0C00000C
404C4040	40404040	404C4040	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
404C4040									

RECORD 12988 OF FILE 1
LENGTH = 284 BYTES

F3F6F5F9	F9F9F9F9	F5F6F340	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
40000000	00400000	0C0C0000	0C0C00C5	C1D9E3C8	61D4D6D6	D5400000	00000000	00000000	00000000
0C000000	00000000	0C0C0000	000C0000	0C00000C	00000C00	000C0000	0C00000C	00000C00	000C0000
00000000	00000C00	0C0C0000	000C0000	0C00000C	00000C00	000C0000	0C00000C	00000C00	000C0000
0C00000C	00000C00	0C0C0000	0C0C000C	00000C00	0C0C0000	0C00000C	00000C00	000C0000	0C00000C
00000C00	000C0000	0C0C000C	000C0000	000C0000	0C0C0000	0C00000C	00000C00	000C0000	0C00000C
404C4040	40404040	404C4040	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
404C4040									

RECORD 12989 OF FILE 1
LENGTH = 284 BYTES

F3F6F5F9	F9F9F9F9	F5F6F340	404C4040	40404040	4C404040	40404040	40404040	40404040	40404040
40000000	00400000	0C0C0000	0C0C00C5	C1D9E3C8	61D4D6D6	D5400000	00000000	00000000	00000000
0C000000	00000000	0C0C0000	000C0000	0C00000C	00000C00	000C0000	0C00000C	00000C00	000C0000

00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040

RECORD 12990 OF FILE 1
LENGTH = 284 BYTES

F3F6F5F5 F9F9F9F9 F5F5F340 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40000000 00400000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040

RECORD 12991 OF FILE 1
LENGTH = 284 BYTES

F9F9F940 40DEE3CE C5D54040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40000000 00400000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000 00000000
40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040 40404040
40404040

12991 RECORDS IN FILE 1 OF TAPE

IEC2091 YZJRJTJ4 JJ0113 CD# TR=003.TW=000.EG=000.CL=000.N=001.SIO=12996
IEC2091 YZJRJTJ4 JJ0113 CD# TR=001.TW=000.EG=000.CL=000.N=000.SIO=12993
IEF1421 - STEP WAS EXECUTED - COND CODE 0000
IEF2851 SYS76210.T171410.RV000.YZJRJTJ4.LODMOD PASSED
IEF2851 VOL SER NOS= K3SCR3
IEF2851 SYS76210.T171410.RV000.YZJRJTJ4.S0000338 SYSIN
IEF2851 VOL SER NOS= K3SCR2
IEF2851 SYS76210.T171410.RV000.YZJRJTJ4.S0000338 DELETED
IEF2851 VOL SER NOS= K3SCR2
IEF2851 SYS76210.T171410.SV000.YZJRJTJ4.R0000334 SYSOUT
IEF2851 VOL SER NOS= K3SCR3
IEF2851 SYS76210.T171410.SV000.YZJRJTJ4.R0000335 DELETED
IEF2851 VOL SER NOS= K3SCR2
IEF2851 SYS76210.T171410.SV000.YZJRJTJ4.R0000336 DELETED
IEF2851 SYS76210.T171410.RV000.YZJRJTJ4.R0000337 KEPT
IEF2851 VOL SER NOS= JJ0113
IEF280E K 0D0.JJC113.YZJRJTJ4.GO

IEF3731 STEP /GO / START 76210.2020

IEF3741 STEP /GO / STOP 76210.2034 CPU 0MIN 37.39SEC MAIN 186K LCS OK

- STEP 02 - RETURN CODE = 0000

IO IN SBSCS. DISK= 1.45.DRUM= .38.TAPE= 259.91.CELL= .62.10= 4.36
IEF2851 VOL SER NOS= K3SCR3 DELETED

IEF3751 JCB /YZJRJTJ4/ START 76210.2019

IEF3761 JCB /YZJRJTJ4/ STOP 76210.2034 CPU 0MIN 39.11SEC

- SYSTEM=MVT-21 (11-21-73) K3

- JOB 0098-

IO IN SBSCS. DISK= 11.97.DRUM= .94.TAPE= 259.91.CELL= .60.0THR= .29
TOTAL TIME = 5.19 MINS=(CPU= .65.10= 4.54)

THERE WERE 01 TAPES MOUNTED FOR THIS JOB. TAPE MOUNT CHARGE WAS 00.0 MINUTES.

AC
