

DATA SET CATALOG #46

Surveyor 3 #7

TVIO DATA

67-035A-01E

1 tape

68-0014-01E

1 tape

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 This inventory information is now no longer maintained in the DSCs, but is now managed in the inventory part of the NSSDC information system.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

SURVEYOR 7

TVID

68-001A-01E

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 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE TIME SPAN COULD NOT BE VERIFIED. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005372	DS005372	D002731	1	01/10/68 - 01/24/68

SURVEYOR 3
TVID DATA ON MAGNETIC TAPE
67-035A-01E

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 TIME SPAN COULD NOT BE VERIFIED. THE ORIGINAL TAPE WAS CREATED ON AN IBM 7094 COMPUTER AND WAS RESTORED ON AN IBM 9021 COMPUTER. THE DR AND DS NUMBER ALONG WITH THE CORRESPONDING D NUMBER AND TIME SPAN IS AS FOLLOWS:

DR#	DS#	D#	FILES	TIME SPAN
DR005349	DS005349	D002730	1	04/20/67 - 05/03/67

SURVEYOR 3 & 7

TVID DATA

67-035A-01E

68-001A-01E

This data set catalog contains TVID data tapes for surveyor 3 and 7.

Each data set consists of one 7096 compatible, 556 RPI, 7-track, binary tape.

The time spans for the tapes are as follows:

<u>ID</u>	<u>CS</u>	<u>IP</u>	<u>TIME SPAN</u>
D-02730	C-01972	67-035A-01E	1/01/67 - 5/03/67
D-02731	C-01973	68-001A-01E	1/10/68 - 1/24/68

R
RECORD

1
2, 3
last-1

67-035A-016
68-001A-Q1E

5-0-2

RECORD FORMAT - SURVEYORS 3 AND 7

RECORD	LOGICAL LENGTH	WORD	MODE	DESCRIPTION
1	1	1	BCD	Date the tape was generated, month, day, & year
2, 3 ..., Last-1	63	1	Floating	Azimuth corrected. (bbbb* if no entry, "b" meaning "black")
		2	Floating	Azimuth
		3	Fixed	Azimuth T/M Word Count
		4	BCD	Camera number alarm (ALARMb or OKbbb)
		5	Fixed	Camera number
		6	BCD	Calibration voltage alarm (ALARMb or OKbbb)
		7	Floating	Calibration voltage corrected (bbbb* if no entry)
		8	Floating	Calibration voltage
		9	Fixed	Calibration voltage T/M word count
		10	Fixed	Days
		11	Fixed	DSIF Code
		12	Fixed	Erection angle
		13	Fixed	Erection angle option
		14	Floating	Elevation angle corrected (bbbb* if no entry)
		15	Floating	Elevation
		16	Fixed	Elevation T/M word count
		17	Floating	Electronic temperature corrected (bbbb* if no entry)
		18	Floating	Electronic temperature
		19	BCD	Focal length angle corrected. (bbWIDE or NARROW) (bbbb* if no entry)
		20	BCD	Focal length angle. (bbWIDE or NARROW)

3 and 7,
ack,

TIME SPAN

67 - 5/03/67

68 - 1/24/68

7-23

RECORD	LOGICAL LENGTH	WORD	MODE	DESCRIPTION
		21	Floating	Focus corrected (bbbb* if no entry)
		22	Floating	Focus
		23	Fixed	Focus T/M word count
		24	BCD	Filter position alarm (ALARMb or OKbbb)
		25	Fixed	Filter position corrected (bbbb* if no entry)
		26	Fixed	Filter position
		27	Fixed	Filter position T/M word count
		28	BCD	Focal length alarm (ALARMb or OKbbb)
		29	Floating	Focal length corrected (bbbb* if no entry)
		30	Floating	Focal length
		31	Fixed	Forest number
		32	Octal	File number
		33	Fixed	Frame number
		34	Fixed	Focus step corrected (bbbb* if no entry)
		35	Fixed	Focus step
		36	Fixed	Hour
		37	Fixed	ID quality
		38	Floating	Iris setting corrected (bbbb* if no entry)
		39	Floating	Iris setting
		40	Fixed	Iris T/M word count
		41	BCD	Iris servo corrected (b000b or b000b) (bbbb* if no entry)

RECORD	LOGICAL LENGTH	WORD	MODE	DESCRIPTION
		42	BCD	Iris servo (bb0Nbb or bb0FFb)
		43	BCD	Multiple step focus corrected (bb0Nbb or bb0FFb) (bbbb* if no entry)
		44	BCD	Multiple step focus, (bb0Nbb or bb0FFb)
		45	Fixed	Milliseconds
		46	Fixed	Minutes
		47	Fixed	Mission number code
		48	Fixed	Process code
		49	Floating	Sun Azimuth (bb0bb* if no entry)
		50	Fixed	Seconds
		51	Floating	Sun elevation (bbbb* if no entry)
		52	BCD	Shutter mode alarm (ALARM or 0Kbbbb)
		53	BCD	Shutter mode corrected (NORMAL or bbOPEN) (bbbb* if no entry)
		54	BCD	Shutter mode (NORMAL or bbOPEN)
		55	Fixed	Stereo mate's file number (bbbb* if no entry)
		56	Fixed	Survey number
		57	Fixed	Camera axis tilt angle
		58	Floating	Camera axis tilt direction
		59	Floating	Vidicon temperature corrected (bbbb* if no entry)
		60	Floating	Vidicon temperature
		61, 62 & 63	BCD	Searchable subjective data
Last	63	1, 2, 3-63	BCD BCD	ENDOFFDATA "blanks"

SOURCE 3 CORRECTED Y&ID
3/10/96 06:46:50. 92731. 56/

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DAY	TIME	SEC	FLMNR	S-M	RT	CLW	F-STR	DIST(FT)	SPS	F-TR	PCPS	S
000	0000	01.490	14371	20	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	10.233	14355	40	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	50.725	14475	30	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	00.200	14355	10	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	02.499	14336	10	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	10.645	14457	20	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	56.929	14533	30	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	44.787	14555	31	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	16.319	14347	20	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	29.239	14455	30	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	30.571	14471	30	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	00.332	14531	30	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	29.367	14751	90	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	23.455	15331	5	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	15.492	15057	5	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	19.053	15044	5	147	91.02	50	0.10	23.5	1	WIDE	NO
000	0000	01.457	14430	20	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	44.311	15177	5	-207	91.02	0	1.25	3.7	1	WIDE	NO
000	0000	44.355		0	78	-23.06	32	3.21	21.3	1	WIDE	NO
000	0000	54.809		0	78	-23.06	32	3.21	11.2	1	WIDE	NO
000	0000	12.619		0	78	-23.06	32	3.21	7.4	1	WIDE	NO
000	0000	13.165		0	78	-23.06	32	3.21	7.4	1	WIDE	NO
000	0000	52.099		0	57	-23.06	32	3.21	11.2	1	WIDE	NO
000	0000	27.250		0	76	-23.06	32	3.21	7.4	1	WIDE	NO
000	0000	06.296		0	15	-23.06	32	3.21	7.4	1	WIDE	NO
000	0000	45.525		1	-5	-23.06	32	3.21	7.4	1	WIDE	NO
000	0000	24.112		0	-6	-23.06	32	3.21	11.2	1	WIDE	NO
000	0000	00.699		0	-63	-62.74	32	3.21	11.2	1	WIDE	NO
000	0000	01.479		0	-60	-62.74	32	3.21	14.9	1	WIDE	NO
000	0000	27.435		20	-108	-47.86	31	3.05	14.3	1	WIDE	NO
000	0000	45.251		20	-108	-47.86	31	3.05	11.2	1	WIDE	NO
000	0000	24.217		20	-125	-47.86	31	3.05	13.1	1	WIDE	NO
000	0000	43.522		20	-128	-32.98	31	3.05	6.7	1	WIDE	NO
000	0000	03.079		20	-125	-32.98	31	3.05	7.4	1	WIDE	NO
000	0000	42.629		20	-126	-32.98	31	3.05	6.2	1	WIDE	NO
000	0000	22.455		20	-126	-32.98	31	3.05	5.2	1	WIDE	NO
000	0000	12.495		20	-126	-32.22	31	3.05	5.2	1	WIDE	NO
000	0000	22.359		20	-144	1.74	30	3.05	5.2	1	WIDE	NO
000	0000	02.543		20	-144	-18.10	31	3.05	5.2	1	WIDE	NO
000	0000	02.595		20	-144	-32.98	31	3.05	5.2	1	WIDE	NO
000	0000	22.678		20	-144	-47.86	31	3.05	5.2	1	WIDE	NO
000	0000	26.752		20	-144	-47.86	31	3.05	5.2	1	WIDE	NO
000	0000	07.115		20	-142	-47.86	31	3.05	7.4	1	WIDE	NO
000	0000	46.159		20	-152	-32.98	31	3.05	7.4	1	WIDE	NO
000	0000	03.411		20	-142	-18.10	31	3.05	7.4	1	WIDE	NO
000	0000	23.905		20	-152	-32.22	31	3.05	7.4	1	WIDE	NO
000	0000	44.127		20	-180	-32.22	31	3.05	7.4	1	WIDE	NO
000	0000	04.754		20	-150	-18.10	31	3.05	7.4	1	WIDE	NO
000	0000	04.472		20	-180	-18.10	31	3.05	7.4	1	WIDE	NO
000	0000	24.933		20	-150	-32.98	31	3.05	7.4	1	WIDE	NO

[illegible]

SURVEYOR 3 CORRECTED TVID

3/10.36.46.52. 32(73). 56/

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DAY	HR	SEC	FLNWR	SUR	AZ	ELEV	P. STP	DIST (MTR)	1415	FLTR	FOCUS	SHU
123	1932	40.271	14235	10	-39	-13.14	49	205.30	3.9	4	WIDE	NOR
123	1932	51.283	14237	10	-39	-13.14	49	205.30	3.9	4	WIDE	NOR
123	1949	13.933	14243	10	-39	-13.14	49	205.30	3.9	1	WIDE	NOR
123	1949	24.295	14241	10	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	1949	41.002	14242	10	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	1949	52.303	14243	10	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	1950	08.557	14244	10	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	1950	19.361	14245	10	-39	-13.14	49	205.30	3.9	2	WIDE	NOR
123	1951	04.549	14246	10	-39	-13.14	49	205.30	3.9	2	WIDE	NOR
123	1951	15.743	14247	10	-39	-13.14	49	205.30	3.9	1	WIDE	NOR
123	2000	48.541	17235	42	-39	-13.14	49	205.30	3.9	1	WIDE	NOR
123	2000	59.541	17237	42	-39	-13.14	49	205.30	3.9	1	WIDE	NOR
123	2007	35.752	17240	42	-39	-13.14	49	205.30	3.9	2	WIDE	NOR
123	2007	45.726	17241	42	-39	-13.14	49	205.30	3.9	2	WIDE	NOR
123	2008	02.255	17242	42	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	2008	17.253	17243	42	-39	-13.14	49	205.30	3.9	3	WIDE	NOR
123	2008	30.244	17244	42	-39	-13.14	49	205.30	3.9	4	WIDE	NOR
123	2008	40.210	17245	42	-39	-13.14	49	205.30	3.9	4	WIDE	NOR
123	2009	05.026	17246	42	-39	-8.18	49	205.30	3.9	4	WIDE	NOR
123	2009	15.303	17247	42	-39	-8.18	49	205.30	3.9	4	WIDE	NOR
123	2009	24.247	17250	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2009	44.257	17251	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2009	02.041	17252	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2009	12.303	17253	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2009	27.701	17254	42	-39	-8.18	49	205.30	3.9	2	WIDE	NOR
123	2009	04.768	17255	42	-39	-8.18	49	205.30	3.9	2	WIDE	NOR
123	2009	27.085	17256	42	-39	-8.18	49	205.30	3.9	2	WIDE	NOR
123	2009	37.303	17257	42	-39	-8.18	49	205.30	3.9	4	NARROW	NOR
123	2009	20.055	17258	42	-39	-8.18	49	205.30	3.9	2	NARROW	NOR
123	2009	30.334	17259	42	-39	-8.18	49	205.30	3.9	2	NARROW	NOR
123	2009	39.791	17260	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	54.303	14273	10	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	04.730	17263	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	05.305	14274	10	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	46.510	17264	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	55.481	17265	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	34.463	17266	42	-45	-3.22	47	25.50	3.9	3	NARROW	NOR
123	2009	44.295	17267	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	50.068	17270	42	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	10.589	14301	10	-39	-8.18	49	205.30	3.9	3	NARROW	NOR
123	2009	10.551	17271	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2040	30.277	17272	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2040	40.801	17273	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2055	36.463	17274	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2055	46.925	17275	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR
123	2056	54.344	17276	42	-39	-8.18	49	205.30	3.9	3	WIDE	NOR

NUMBER OF TVID IS

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DIST(NTR)	IRIS	FLTR	FOCUS	SHUTTR	COMMENTS	VOLT	132
205.30	3.9	4	WIDE	NORMAL		4.55	2
205.30	3.9	4	WIDE	NORMAL		4.65	2
205.30	3.9	4	WIDE	NORMAL		4.64	3
205.30	3.9	3	WIDE	NORMAL		4.64	2
205.30	3.9	3	WIDE	NORMAL		4.64	2
205.30	3.9	3	WIDE	NORMAL		4.64	0
205.30	3.9	2	WIDE	NORMAL		2.32	2
205.30	3.9	2	WIDE	NORMAL		4.65	0
205.30	8.1	1	WIDE	NORMAL		4.65	0
205.30	8.1	1	WIDE	NORMAL		4.65	0
205.30	8.1	1	WIDE	NORMAL		4.59	3
205.30	8.1	1	WIDE	NORMAL		4.64	0
205.30	3.9	2	WIDE	NORMAL		4.54	0
205.30	3.9	2	WIDE	NORMAL		4.64	0
205.30	3.9	3	WIDE	NORMAL		4.64	2
205.30	3.9	3	WIDE	NORMAL		4.64	2
205.30	3.9	4	WIDE	NORMAL		4.64	3
205.30	3.9	4	WIDE	NORMAL		4.65	3
205.30	3.9	4	WIDE	NORMAL		4.54	2
205.30	3.9	4	WIDE	NORMAL		4.64	0
205.30	3.9	3	WIDE	NORMAL		4.54	2
205.30	3.9	3	WIDE	NORMAL		4.64	2
205.30	3.9	3	WIDE	NORMAL		4.54	2
205.30	3.9	3	WIDE	NORMAL		4.64	0
205.30	8.1	2	WIDE	NORMAL		4.55	2
205.30	8.1	2	WIDE	NORMAL		4.62	2
205.30	8.1	2	NARROW	NORMAL		4.55	3
205.30	8.1	4	NARROW	NORMAL		4.65	2
205.30	8.1	2	NARROW	NORMAL		4.55	0
205.30	8.1	2	NARROW	NORMAL		4.65	2
205.30	8.1	3	NARROW	NORMAL		4.55	2
205.30	8.1	3	NARROW	NORMAL		4.65	0
205.30	8.1	3	NARROW	NORMAL		4.55	3
205.30	8.1	3	NARROW	NORMAL		4.65	3
205.30	8.1	3	NARROW	NORMAL		4.55	2
205.30	8.1	3	NARROW	NORMAL		4.65	2
205.30	8.1	3	NARROW	NORMAL		4.63	0
205.30	8.1	3	NARROW	NORMAL		4.65	2
205.30	8.1	3	NARROW	NORMAL		4.66	0
205.30	8.1	3	WIDE	NORMAL		4.55	2
205.30	8.1	3	WIDE	NORMAL		4.65	0
205.30	8.1	3	WIDE	NORMAL		4.65	2
205.30	8.1	3	WIDE	NORMAL		4.64	2
205.30	8.1	3	WIDE	NORMAL		4.64	2
205.30	8.1	3	WIDE	NORMAL		4.65	2

SURVEYOR-3 D-02730

D-02730

00020202002 FIRST FIVE AND LAST FIVE RECORDS

[illegible][illegible]

FILE 0001 REC 0004 CH 1318

1201	000000000052	100000000047	000000000001	606060606054	504050505100	00
1240	006060606054	605050512425	212632463146	210632463146	000000000003	45
1297	000000000003	464260606050	205620000000	205620000000	000000000001	00
1345	000000000001	000000000004	000000000002	000000000003	204003146314	00
1373	606060606054	606060606060	000000000001	000000000007	000000000003	00
1441	000000000000	464260606060	006050505054	454551447143	606060606054	00
1457	505050505054	203746314631	606050606060	606050606060	606060606060	00

FILE 0001 REC 0005 CH 1319

0271	000000000001	606060606054	606470000000	000000000003	464260606060	00
0312	000000000000	000000000003	000000000003	000000000003	401100000000	00
0097	000000000003	606060606054	605634631452	606050505054	506056312425	21
0113	606060606054	605060606054	000000000003	000000000003	454250505050	20
0193	000000000001	000000000004	606060606054	000000000001	000000000003	00
0241	000000000000	606050505054	606060606060	606060606054	505050505050	00
0289	000000000001	000000000003	000000000003	000000000003	454250505050	00
0337	000000000000	000000000000	212503777777	606060606054	203746314631	60
0385	606060606054	606470000000	000000000003	464260606060	000000000003	45
0433	000000000003	000000000001	000000000003	400000000000	000000000001	60
0481	000000000000	605626314631	605050505054	60506312425	210632463146	21
0529	000000000000	000000000003	000000000003	464260606060	205620000000	20
0577	000000000000	606060606054	000000000003	606060606054	000000000002	60
0625	000000000000	606060606054	000000000003	606060606054	000000000003	00
0673	000000000000	000000000003	606060606054	606060606054	606060606054	60
0721	000000000000	210503777777	606060606054	203746314631	606050505050	60
0769	000000000000	000000000003	464260606060	000000000003	203746314631	60
0817	000000000000	000000000001	000000000003	000000000001	606060606054	60
0865	000000000000	606050505054	606050505054	203693714652	203693714652	00
0913	000000000000	000000000003	464260606060	207620000000	207620000000	00
0961	000000000000	000000000001	000000000003	000000000003	606060606054	20
1009	000000000000	606060606054	606060606054	606060606054	000000000003	00
1057	000000000000	000000000000	464260606060	606050505050	454551447143	00
1105	000000000000	606060606054	206457777777	606060606060	606060606060	60
1153	000000000000	606060606060	606050505050	606050505050	606060606060	60
1201	000000000000	606060606060	606060606060	605050505050	605060606060	60
1249	000000000000	606060606060	606060606060	606060606060	606060606060	60
1297	000000000000	606060606060	606060606060	606060606060	606060606060	60
1345	000000000000	606060606060	606060606060	606060606060	606060606060	60
1393	000000000000	606060606060	606060606060	606060606060	606060606060	60
1441	000000000000	606060606060	606060606060	606060606060	606060606060	60
1489	000000000000	606060606060	606060606060	606060606060	606060606060	60

SJRVEYOR 7 CORRECTED TWT

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DAY	HRMN	SEC	F.4480	SJR	AZ	ELEV	W-STP	DISTANCE	IRIS	*LTA	FOCUS	SH
117	2514	67.933	00001	0	0	-0.70	37	1.43	0.0	1	WIDE	NO
010	0147	03.115	6	10	-210	115.00	0	1.25	3.8	1	WIDE	NO
010	0147	02.572	7	10	-210	115.00	0	1.25	3.8	1	WIDE	NO
010	0147	03.100	12	10	78	-25.00	32	3.21	7.8	1	WIDE	NO
010	0148	30.523	11	10	78	-25.00	32	3.21	4.2	1	WIDE	NO
010	0151	22.881	12	10	54	-5.00	0	1.25	4.2	1	WIDE	NO
010	0151	34.081	13	10	54	-5.00	22	2.07	4.2	1	WIDE	NO
010	0152	59.333	14	10	54	-5.00	43	203.50	4.2	1	WIDE	NO
010	0155	01.030	15	10	54	10.00	45	13.03	2.5	1	WIDE	NO
010	0156	21.572	16	10	54	10.00	45	13.03	0.2	1	WIDE	NO
010	0158	02.325	17	10	36	10.00	45	13.03	3.1	1	WIDE	NO
010	0159	22.885	20	10	18	10.00	45	13.03	5.4	1	WIDE	NO
010	0200	43.198	21	10	0	5.00	45	13.03	5.4	1	WIDE	NO
010	0202	04.359	22	10	-18	0.	45	13.03	4.2	1	WIDE	NO
010	0203	04.561	23	10	-36	-5.00	45	13.03	4.2	1	WIDE	NO
010	0204	25.587	24	10	-54	-75.00	31	3.04	4.2	1	WIDE	NO
010	0206	46.595	25	10	-72	-75.00	45	13.03	4.0	1	WIDE	NO
010	0210	30.713	25	10	-57	-55.00	18	1.86	4.0	1	WIDE	NO
010	0341	47.721	4341	10	-90	-55.00	25	2.34	24.2	3	WIDE	NO
010	0346	53.524	4242	10	-72	-65.00	25	2.34	4.0	1	WIDE	NO
010	0347	04.115	4343	10	-72	-53.00	25	2.34	4.0	1	WIDE	NO
010	0347	15.332	4044	10	-72	-35.00	25	2.34	4.0	1	WIDE	NO
010	0347	26.173	4345	10	-72	-20.00	25	2.34	4.0	1	WIDE	NO
010	0349	26.523	4045	10	-72	-5.00	25	2.34	4.0	1	WIDE	NO
010	0349	36.020	4347	10	-72	10.00	25	2.34	4.0	1	WIDE	NO
010	0349	47.795	4050	10	-54	10.00	25	2.34	4.0	1	WIDE	NO
010	0349	58.401	4351	10	-54	-5.00	25	2.34	4.0	1	WIDE	NO
010	0350	07.927	4052	10	-54	-20.00	25	2.34	4.0	1	WIDE	NO
010	0351	24.393	4353	10	-54	-35.00	25	2.34	4.0	1	WIDE	NO
010	0351	33.326	4054	10	-54	-50.00	25	2.34	4.0	1	WIDE	NO
010	0351	45.605	4355	10	-36	-30.00	25	2.34	4.0	1	WIDE	NO
010	0351	55.325	4056	10	-36	-35.00	25	2.34	4.0	1	WIDE	NO
010	0352	05.635	4357	10	-36	-20.00	25	2.34	4.0	1	WIDE	NO
010	0353	04.584	4050	10	-36	-5.00	25	2.34	4.0	1	WIDE	NO
010	0353	15.194	4351	10	-36	10.00	25	2.34	4.0	1	WIDE	NO
010	0353	26.281	4052	10	-18	10.00	25	2.34	4.0	1	WIDE	NO
010	0353	37.585	4353	10	-18	-5.00	25	2.34	4.0	1	WIDE	NO
010	0353	47.317	4054	10	-18	-20.00	25	2.34	4.0	1	WIDE	NO
010	0354	43.501	4355	10	-18	-35.00	25	2.34	4.0	1	WIDE	NO
010	0354	54.212	4056	10	-18	-50.00	25	2.34	4.0	1	WIDE	NO
010	0355	07.185	4357	10	0	-50.00	25	2.34	4.0	1	WIDE	NO
010	0355	16.612	4070	10	0	-35.00	25	2.34	4.0	1	WIDE	NO
010	0355	27.231	4371	10	0	-20.00	25	2.34	4.0	1	WIDE	NO
010	0355	36.652	4072	10	0	-5.00	25	2.34	4.0	1	WIDE	NO
010	0355	47.272	4373	10	0	10.00	25	2.34	4.0	1	WIDE	NO
010	0355	56.733	4074	10	0	25.00	25	2.34	4.0	1	WIDE	NO
010	0356	08.191	4375	10	18	25.00	25	2.34	4.0	1	WIDE	NO
010	0359	19.362	4076	10	0	-20.00	25	2.34	6.3	1	WIDE	NO
010	0400	53.954	4377	10	0	-5.00	25	2.34	6.3	1	WIDE	NO
010	0401	03.399	4120	10	0	10.00	25	2.34	6.3	1	WIDE	NO

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[illegible]

77	1.40	3.0	1	W078	3301..	00003033000300000000	0.00	09
0	1.25	3.8	1	WIDE	NORMAL		0.	3
0	1.25	3.8	1	WIDE	NORMAL		0.	3
32	3.21	7.8	1	WIDE	NORMAL		4.52	2
32	3.21	4.2	1	WIDE	NORMAL		4.53	2
0	1.25	4.2	1	WIDE	NORMAL		0.	3
22	2.07	4.2	1	WIDE	NORMAL		4.54	2
42	203.52	4.2	1	WIDE	NORMAL		2.79	0
45	13.03	2.5	1	WIDE	NORMAL		4.55	2
45	13.03	8.2	1	WIDE	NORMAL		4.65	3
45	13.03	3.1	1	WIDE	NORMAL		4.55	2
45	13.03	5.4	1	WIDE	NORMAL		4.55	2
45	13.03	5.4	1	WIDE	NORMAL		4.55	2
45	13.03	4.2	1	WIDE	NORMAL		4.66	2
31	3.24	4.2	1	WIDE	NORMAL		4.55	2
45	13.03	4.3	1	WIDE	NORMAL		4.66	2
13	1.86	4.0	1	WIDE	NORMAL		4.55	2
25	2.34	24.2	3	WIDE	NORMAL		4.67	2
25	2.34	4.0	1	WIDE	NORMAL		1.17	2
25	2.34	4.0	1	WIDE	NORMAL		4.68	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.68	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.68	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	2
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0
25	2.34	4.0	1	WIDE	NORMAL		4.53	3
25	2.34	4.0	1	WIDE	NORMAL		4.69	0

SURVEYOR 7 CORRECTED TVID

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DAY	HRN	SEC	F.4488	SJR	AZ	ELEV	P.5TD	DIST(MET)	IRIS	PLT	FOCUS	SHUTTER	CONV
044	0917	58.975	1521	61	162	-55.00	62	-3.00	16.1	1	WIDE	NORMAL	
044	0920	40.195	1522	61	-207	-60.00	19	1.00	9.5	1	NARROW	NORMAL	
044	0920	43.958	1523	61	-201	-5.00	49	203.60	4.0	1	NARROW	NORMAL	
044	0920	48.571	1521	61	-195	-5.00	49	201.50	1.3	1	NARROW	NORMAL	
023	0338	47.572	40546	10	54	-5.00	23	2.18	8.6	2	NARROW	NORMAL	
023	0338	55.918	13337	12	54	-5.00	23	2.13	9.5	3	NARROW	NORMAL	
023	0339	03.131	40550	10	54	-5.00	23	2.18	8.6	3	NARROW	NORMAL	
023	0339	11.188	10551	12	54	-5.00	23	2.13	9.5	4	NARROW	NORMAL	
019	0656	27.000	22222	64	69	-15.00	31	3.65	10.2	1	NARROW	NORMAL	
021	0659	26.503	22222	22	87	-35.00	27	2.56	12.5	2	NARROW	NORMAL	
021	0659	30.000	22222	22	90	-30.00	29	2.77	10.5	2	NARROW	NORMAL	
021	0659	34.000	22222	22	81	-32.00	29	2.77	12.5	2	NARROW	NORMAL	
021	0717	27.791	22222	23	-141	-65.00	28	2.65	10.4	2	NARROW	NORMAL	
021	0927	03.267	22222	31	-213	-40.00	27	2.51	9.5	5	NARROW	NORMAL	
021	1130	16.857	33736	50	9	-65.00	21	2.04	9.5	4	NARROW	NORMAL	
021	1201	29.000	34255	62	-63	-70.00	25	1.33	9.4	1	NARROW	NORMAL	
021	1556	58.134	20732	42	-51	-45.00	32	3.23	9.2	3	NARROW	NORMAL	
021	1712	18.232	21152	82	-12	-10.00	42	2.75	7.7	2	NARROW	NORMAL	
023	0537	13.507	22222	40	-144	-10.00	49	205.24	8.5	1	NARROW	NORMAL	
023	0659	53.091	22222	41	-92	-30.00	41	5.31	9.5	1	NARROW	NORMAL	
024	1927	49.303	22222	42	6	-30.00	35	3.73	9.4	1	NARROW	NORMAL	
024	1927	55.000	22222	42	12	-30.00	35	1.93	9.1	1	NARROW	NORMAL	
026	0946	55.442	6134	30	9	-65.00	21	2.34	8.7	1	NARROW	NORMAL	
026	1036	54.503	22222	31	19	-15.00	32	1.23	12.5	1	NARROW	NORMAL	
026	1229	03.976	7231	42	-36	-40.00	29	2.77	6.1	2	NARROW	NORMAL	
027	0311	53.307	22222	3	81	-5.00	41	5.31	9.1	1	NARROW	NORMAL	
027	1047	09.103	22222	31	24	-30.00	31	3.77	6.7	1	NARROW	NORMAL	
028	0946	01.335	22222	21	42	-30.00	30	1.91	5.8	1	NARROW	NORMAL	
028	1148	12.297	22222	40	57	5.00	49	205.24	5.8	1	NARROW	NORMAL	

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TIME (HRS)	TIME	FLTR	FOCUS	SHUTTER	COMMENTS	VOLT	ISO
3.00	16.1	1	WIDE	NORMAL		2.30	2
3.20	5.5	1	NARROW	NORMAL		4.53	2
3.60	4.0	1	NARROW	NORMAL		4.60	2
3.50	3.3	1	NARROW	NORMAL		4.50	2
2.16	8.6	2	NARROW	NORMAL		4.75	0
2.13	9.5	3	NARROW	NORMAL		4.75	3
2.18	8.6	3	NARROW	NORMAL		4.75	0
2.13	9.5	4	NARROW	NORMAL		4.75	0
3.55	10.2	1	NARROW	NORMAL		4.79	0
2.51	12.5	2	NARROW	NORMAL		4.79	3
2.77	10.5	2	NARROW	NORMAL		4.79	0
2.77	12.5	2	NARROW	NORMAL		4.79	3
2.55	10.4	2	NARROW	NORMAL		4.79	0
2.51	9.5	5	NARROW	NORMAL		4.77	3
2.04	9.5	4	NARROW	NORMAL		4.78	0
1.33	9.4	1	NARROW	NORMAL		4.79	3
1.23	9.2	3	NARROW	NORMAL		4.78	0
1.75	7.7	3	NARROW	NORMAL		4.79	3
3.24	8.5	1	NARROW	NORMAL		4.79	0
3.31	9.5	1	NARROW	NORMAL		4.79	3
3.23	9.4	1	NARROW	NORMAL		4.75	0
1.93	9.4	1	NARROW	NORMAL		4.75	3
1.34	8.7	1	NARROW	NORMAL		4.78	0
1.23	12.5	1	NARROW	NORMAL		4.77	3
1.77	6.1	2	NARROW	NORMAL		4.78	0
1.51	9.1	1	NARROW	NORMAL		4.73	3
1.37	6.7	1	NARROW	NORMAL		4.76	0
1.91	5.8	1	NARROW	NORMAL		4.74	3
1.24	5.8	1	NARROW	NORMAL		4.74	2

FILE 0001 REC 0002 C4 1815

0301 2023

[illegible]

0221	227374300221	606060606054	207470000000	000222222222	4642606060
0243	228432243353	000033300003	000033333312	000333333312	2233333331
0287	000333333247	676060606054	601714531332	600205052554	0250663124
0115	142535367603	605360505054	000000000001	000000000002	4542506050
0193	000000000211	002222220150	606060606054	000000000004	2222222222
0241	000000000002	606060606054	606046252560	606350000054	0253505125
0289	000000000005	000333330002	222232222247	000000000000	0542506050
0337	000000000001	000000000000	210503777777	606060605054	2047777777
2385	226657777777	206650000000	000032222232	214321514460	0000000000
3433	100000000000	000000000012	00003000001	000300000175	0000000000
0131	125060606054	206501453145	506060505054	006306312425	6060606050
0529	100060606054	000000000001	000030000003	214321514460	2056200000
2177	333222222101	606060606054	000030000003	000322220001	2000000000
0525	105350606054	606046262660	606060606054	606045262660	0000000015
0171	222222222200	206060606054	000000000001	214321514460	0000000000
0721	000000000000	210503777777	606060606054	606417777777	0000000000
0763	100652202200	202222222232	464252525250	002200000003	4542506050
0817	000000000012	000000000001	000030000006	000000000001	6035000000
2305	522777777777	506050312425	525250312425	606060505054	2024127531
0913	000000000001	000000000002	464253605050	205620000000	2056200000
0251	335000006054	000000000002	000032222221	000322220001	6060606060
1222	606046262660	606060606054	606045252553	000000000123	0000000000
1237	222222222242	202200000000	454250325252	505353525254	4546914421
1103	210503777777	606060606054	204777777777	606350606060	6060606060
1153	200000000032	464260606054	000000000003	214321514460	5250606050
1204	000000000001	000000000002	000030000001	000300000000	3333300000
1285	100050312425	506050312425	606060606054	21062145313	0000000000

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[illegible][illegible]

FILE 0001 REC 1334 C4 1518

1201	000000000001	000000000036	000000000031	606060606054	05740000300
1202	125063606054	452131311555	335052511054	202555175341	000000000003
1207	300000000003	464260606060	207420033370	207420000000	000000000001
1303	32320300236	303000000011	000033303033	60535353054	233563146315
1393	506060606054	606046262660	000000000601	000000000060	000000000007
1481	323030000333	464262606060	606230503353	454531442143	33152424246
1489	606060606054	206457777777	606060606060	606060605050	606060606060

FILE 0001 REC 0005 CM 1518

0001	303374003331	606052536054	206710000000	003033333055	454250606060
0049	203457270244	000020023003	303033000510	000000032031	033033303336
0097	070000000354	606063535054	2066314631	205060536054	452151318656
0145	464260606060	606060505054	000000000000	000000000000	454260606060
0193	300000002222	000000000073	53506353537	000000000051	000000000313
0241	000000000003	606060606054	6060452626	000000000054	606045262650
0289	300000000001	000000000000	000000000000	000000000000	464260606060
0337	323030000050	000000000000	21050377777	606060606054	206457777777
0385	234524634626	606024216321	000000000053	000000000000	000000000000
0433	203000000003	0000000000503	000000000001	000000000000	000000000000
0481	505353536054	206631463146	606060605054	452131311555	23452605075
0529	605050636354	303000000003	000000000003	464230503052	237620000000
0577	300000000371	606053536054	303330000054	000000000003	303030000000
0625	606060506054	536245252667	606060606054	606046262650	003333331465
0673	000000000000	000000000053	000000000033	464260605060	606060506054
0721	000000000000	210503777777	626060636054	206457777777	505050506330
0769	602421632160	000000000031	464253606060	000000000003	464260606050
0817	303000000376	000000000001	12303333374	000000000001	606052050754
0865	235606314631	606060606054	6060606312123	202446314631	202423146315
0913	323000000001	000000000003	454253606054	205617777777	205620000000
0961	300000000330	000000000033	000000000005	003333333332	606060606054
1009	326246456260	606760606054	506015232353	009333333332	033000000047
1057	303000000320	303000000000	464260606060	606060605054	454651442143
1105	113533777777	606060505254	205646314631	505353535353	505353535353
1153	000000000031	464260606060	000000000003	464260605060	506050606354
1201	000000000321	402333332071	303330332001	605744531453	533744531453
1249	606060312425	606065312425	606060606054	202440000000	000000000003
1297	303000000003	464230505053	235617777777	205620000000	333000000331
1345	000000000030	000000000005	000000000000	606060606054	204457777777
1393	526060606054	606046262650	000030303033	000030303046	000000000005
1441	303000000000	464260606060	606050505054	454651442143	231517130700
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