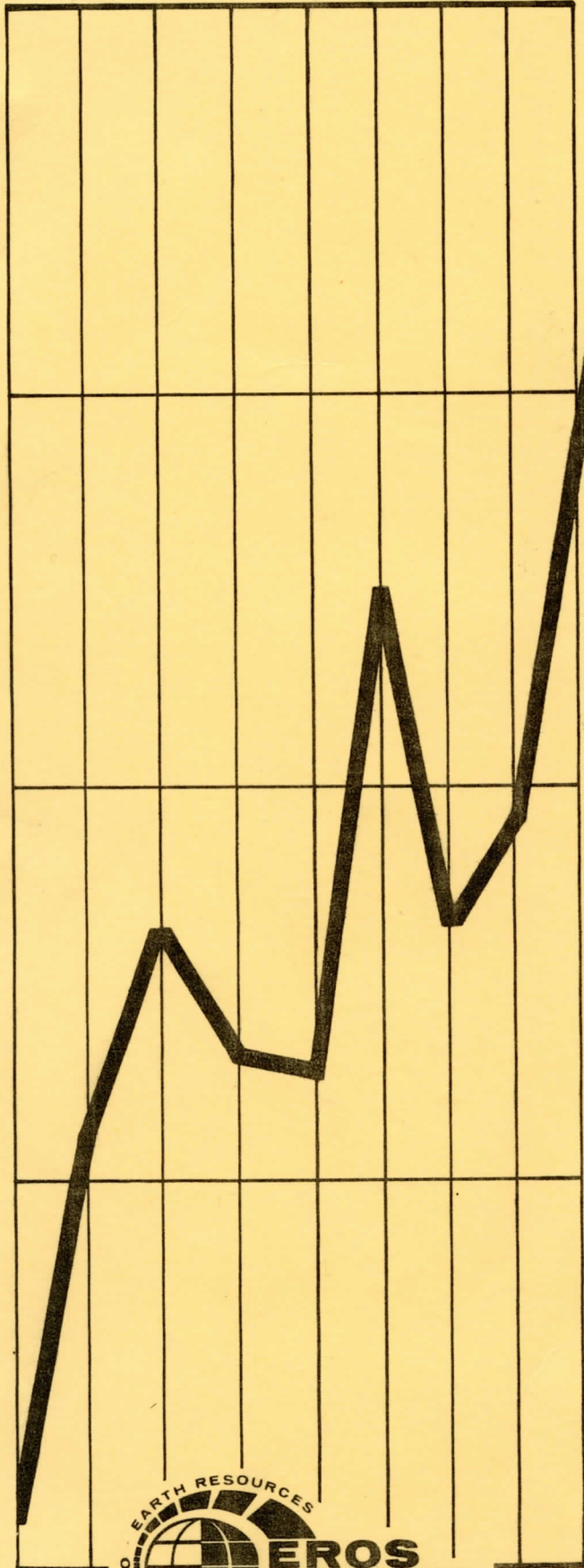


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MONTHLY PRODUCTION STATISTICS

OCTOBER 1976



PRODUCTION ANALYSIS OFFICE
DATA PRODUCTION BRANCH

Monthly Statistical Report
Branch of Data Production

OCTOBER 1976

Data Production Office

Product Summary Report (Monthly/Quarterly/Yearly)
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EROS DATA CENTER

Product Summary*

MONTH October, 1976

PRODUCT / CUSTOMER PROFILE	CURRENT MONTH				LAST MONTH		MONTH LAST YEAR			ORDER VALUE BY LOCATION
	ITEMS	%	DOLLARS	%	ITEMS	DOLLARS	ITEMS	DOLLARS	% \$ CHANGE	
1. LANDSAT	13,043	43	76,499	54	14,714	88,613	18,190	92,829	-18	22. Terminals
A. Federal Government	2,642	20	18,393	24	3,990	22,349	9,021	43,663	-58	A. EDC \$176,058
(1) U.S.G.S.	1,099	41	8,337	45	2,354	15,184	1,071	11,139	-25	B. Rella 648
(2) Other Federal	599	23	5,301	29	693	3,327	185	1,129	370	C. Phoenix 2,143
(3) EDC EPO PAO	2	0	40	0	4	21	128	770	-95	D. NCIC 5,054
(4) NASA P.I.'s	942	36	4,715	26	939	3,817	7,637	30,625	-85	E. COE 0
B. State, Local Government	9	0	70	0	36	487	43	266	-74	F. Denver 3,363
C. Academic	1,609	12	6,944	9	1,765	9,379	1,951	10,029	-31	G. NSTL 8,555
D. Industrial	3,453	27	22,733	30	4,455	28,931	1,794	11,444	99	H. Menlo 2,961
E. Individuals	1,188	9	8,542	11	1,337	9,674	1,572	11,485	-26	23. Other
F. Non-U.S.	4,142	32	19,817	26	3,116	17,704	3,789	15,829	25	A. Alaska 3,115***
G. Non-Classified	0	0	0	0	15	89	20	113	0	B. IAGS
2. MANNED SATELLITE	480	2	4,385	3	491	6,787	800	9,033	-51	
3. NASA AIRCRAFT	3,648	12	31,653	23	3,605	53,939	4,635	38,048	-17	
4. USDI AERIAL MAPPING	13,076	43	28,657	20	25,318	51,704	4,854	17,122	67	
5. TOTAL IMAGERY (#1,2,3,4)	30,247	100%	141,194	100%	44,128	201,043	28,479	157,032	-10	TOTAL \$198,782
A. Federal Government	14,464	48	45,074	32	26,993	93,084	14,794	74,689	-40	*** Included in 22.A.
(1) U.S.G.S.	1,962	13	14,490	32	4,657	47,003	3,999	27,254	-47	
(2) Other Federal	10,361	72	20,841	46	21,167	41,245	950	5,749	263	
(3) EDC EPO PAO	2	0	40	0	4	21	162	1,037	-96	
(4) NASA P.I.'s	2,139	15	9,703	22	1,165	4,815	9,286	40,649	-76	
B. State, Local Government	175	1	2,141	2	502	4,522	836	3,306	-35	
C. Academic	2,202	7	11,501	8	3,013	14,960	2,363	12,714	-10	
D. Industrial	6,459	21	42,903	30	7,079	45,807	3,852	22,708	89	
E. Individuals	2,637	9	18,755	13	3,252	23,286	2,859	22,733	-17	
F. Non-U.S.	4,290	14	20,718	15	3,268	19,239	4,084	20,431	1	
G. Non-Classified	20	0	102	0	21	145	88	451	-77	
6. COMPUTER COMP. TAPES	255		50,636		455	73,213	154	30,800	64	
7. DATA BASE TAPES	0		0		2	736	1	309	0	
8. MISC. CUST. & SPEC. PROC.			6,952			13,252		7,044	-1	
9. TOTAL VALUE (#5,6,7,8)			198,782			288,244		195,185	2	
10. Reimbursable Receipts		\$	230,196			248,986		200,348		10. \$230,196
11. Average Order Value		\$	97			119		79		11. \$97
12. Average Frame Value		\$	4.67			4.56		5.33		12. \$4.67
13. Work In Process **		\$	189,086			219,493		108,344		13. \$189,086
14. Orders Received			2,041			2,422		2,559		14. 2,041
15. Customer Contacts			3,657			4,161		3,820		15. 3,657
16. Visitors to EDC			1,902			1,672		1,702		16. 1,902
17. EDC Staff			337			355		367		17. 337
18. Valid Complaints			125			123		117		18. 125
19. Complaints to Orders Ratio			4%			4%		5%		19. 4%
20. Shipped Orders Over 30 Days Old			7%			7%		2%		20. 7%
21. Average Delivery Time (Imagery)			14 Days			15 Days		10 Days		21. 14 Days

REMARKS:
#17 for current month
no longer includes
19 EPO personnel.

CURRENT FISCAL YEAR TOTALS

10.	\$ 230,196
11.	\$ 97
12.	\$ 4.67
13.	\$ 189,086
14.	2,041
15.	3,657
16.	1,902
17.	337
18.	125
19.	4 %
20.	7 %
21.	14 Days

Date Issued 11/8/76

* By Order Entry Date
** As Of Last Working Day Of The Month

EROS DATA CENTER Product Summary*

TRANS.
QUARTER July-Sept., '76



PRODUCT / CUSTOMER PROFILE	CURRENT QUARTER				LAST QUARTER		QUARTER LAST YEAR			ORDER VALUE BY LOCATION
	ITEMS	%	DOLLARS	%	ITEMS	DOLLARS	ITEMS	DOLLARS	% S CHANGE	
1. LANGSAT	50,804	49	274,229	54	59,105	324,161	81,426	325,389	-16	22. Terminals A. EDC \$ 634,243 B. Rolla 5,345 C. Phoenix 2,193 D. NCIC 24,793 E. COE 0 F. Denver 6,549 G. NSTL 30,939 H. Menlo 16,177 23. Other A. Alaska 7,419** B. IAGS TOTAL \$ 720,239 **Included in 22.A. REMARKS:
A. Federal Government	13,159	26	77,105	28	14,234	69,410	34,348	133,840	-42	
(1) U.S.G.S.	5,692	43	43,350	56	2,846	14,454	8,064	40,847	6	
(2) Other Federal	1,671	13	10,298	14	1,858	16,259	2,584	10,349	-1	
(3) EDC/EPO PAO	194	1	946	1	199	1,698	1,297	9,418	100	
(4) NASA P.I.'s	5,602	43	22,511	29	9,331	36,999	22,403	73,226	-69	
B. State, Local Government	148	0	968	0	455	2,779	302	1,508	-36	
C. Academic	8,430	17	28,329	11	5,021	28,726	11,210	41,049	-31	
D. Industrial	11,887	24	74,025	27	11,947	66,968	13,021	54,015	37	
E. Individuals	3,746	7	26,883	10	4,189	33,899	4,426	28,712	-6	
F. Non-U.S.	13,339	26	66,032	24	23,241	122,306	18,086	65,809	0	
G. Non-Classified	95	0	887	0	18	73	33	456	95	
2. MANNED SATELLITE	1,405	1	15,342	3	1,418	16,161	3,871	25,520	-40	
3. NASA AIRCRAFT	8,798	9	105,374	20	8,404	94,322	11,738	110,573	-5	
4. USDI AERIAL MAPPING	42,397	41	115,849	23	47,544	140,194	18,722	56,620	105	
5. TOTAL IMAGERY (#1,2,3,4)	103,404	100%	510,794	100%	116,471	574,838	115,757	518,102	-1	
A. Federal Government	47,333	46	198,667	39	37,435	152,342	47,538	212,949	-7	
(1) U.S.G.S.	14,820	31	104,388	53	8,216	35,927	18,219	93,486	12	
(2) Other Federal	23,066	49	54,125	27	18,885	69,627	4,524	27,238	99	
(3) EDC/EPO PAO	2,292	5	11,497	6	245	2,408	1,585	13,542	-15	
(4) NASA P.I.'s	7,155	15	28,657	14	10,089	44,380	23,210	78,683	-64	
B. State, Local Government	975	1	8,325	1	10,203	35,236	1,298	7,367	13	
C. Academic	12,803	12	50,110	10	8,623	48,106	16,438	65,820	-24	
D. Industrial	19,728	19	120,756	24	26,647	142,233	21,198	97,889	23	
E. Individuals	8,308	8	61,700	12	9,986	71,039	8,982	55,736	11	
F. Non-U.S.	14,009	14	69,747	14	23,544	125,597	19,305	74,652	-7	
G. Non-Classified	248	0	1,489	0	33	285	998	3,689	-60	
6. COMPUTER COMP. TAPES	1,010		178,042		844	114,531	337	67,400	164	
7. DATA BASE TAPES	10		1,683		1	206	8	804	109	
8. MISC. CUST. & SPEC. PROC.			29,720			35,932		34,420	-14	
9. TOTAL VALUE (#5,6,7,8)			720,239			725,507		620,726	16	
10. Reimbursable Receipts		\$	696,631			667,668		606,115		
11. Average Order Value		\$	110			105		89		
12. Average Frame Value		\$	4.94			4.94		4.41		
13. Work in Process **		\$	219,493			169,971		130,594		
14. Orders Received			6,532			6,901		6,921		
15. Customer Contacts			13,377			12,045		8,583		
16. Visitors to EDC			7,582			5,593		5,910		
17. EDC Staff			355			393		358		
18. Valid Complaints			434			400		381		
19. Complaints to Orders Ratio			4 %			4 %		5 %		
20. Shipped Orders Over 30 Days Old			10 %			9 %		5 %		
21. Average Delivery Time (Imagery)			16 Days			15 Days		12 Days		

* By Order Entry Date
 ** As of Last Working Day of the Quarter

EROS DATA CENTER

Product Summary*

FISCAL YEAR 1976

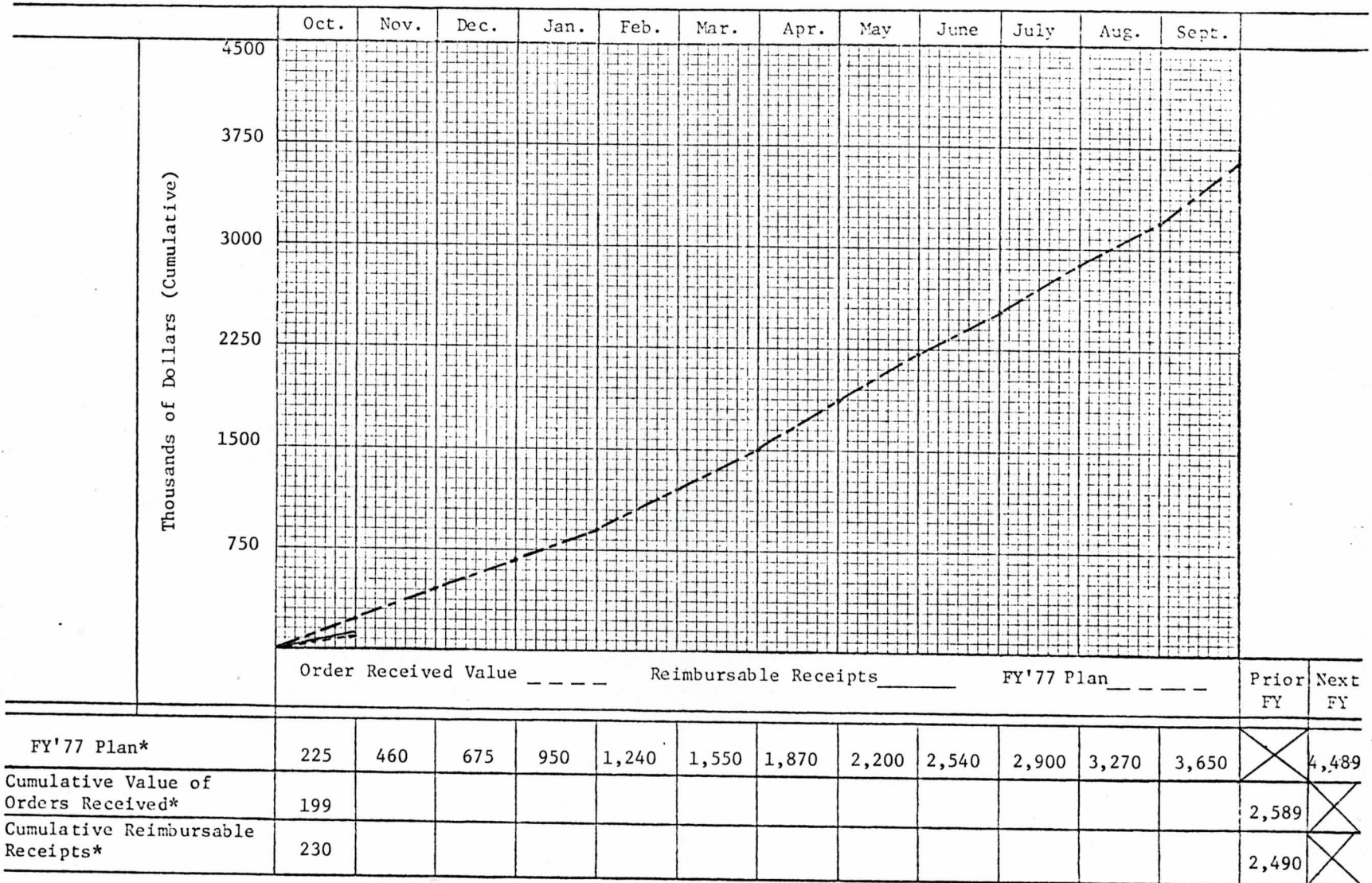


PRODUCT / CUSTOMER PROFILE	CURRENT FISCAL YEAR				LAST FISCAL YEAR			ORDER VALUE BY LOCATION
	ITEMS	%	DOLLARS	%	ITEMS	DOLLARS	% S CHANGE	
1. LANDSAT	246,449	61	1,237,862	60	197,654	764,889	62	22. Terminals A. EDC \$2,317,721 B. Rolla 21,921 C. Phoenix 15,568 D. NCIC 75,505 E. COE 473 F. Denver 35,668 G. NSTL 63,850 H. Menlo 58,579 23. Other A. Alaska _____ B. IAGS _____ TOTAL \$2,589,285 REMARKS: #18 for Last FY includes invalid complaints from July through March. #17 for Current FY includes 34 summer aids/interns.
A. Federal Government	93,928	38	439,291	35	39,621	149,075	195	
(1) U.S.G.S.	19,202	20	117,687	27	28,182	116,563	1	
(2) Other Federal	9,384	10	57,380	13	5,414	19,295	197	
(3) EDC/EPO PAO	2,496	3	19,768	4	588	1,025	1,829	
(4) NASA P.I.'s	62,846	67	244,456	56	5,437	12,192	1,905	
B. State/Local Government	1,211	1	7,591	1	1,921	7,388	3	
C. Academic	25,805	11	123,760	10	27,545	106,374	16	
D. Industrial	42,311	17	218,299	18	45,476	180,824	21	
E. Individuals	18,014	7	133,956	11	18,632	98,753	36	
F. Non-U.S.	64,697	26	311,073	25	47,066	153,899	102	
G. Non-Classified	483	0	3,892	0	17,393	68,576	-94	
2. MANNED SATELLITE	9,664	2	85,783	4	28,638	113,773	-25	
3. NASA AIRCRAFT	42,014	10	407,639	20	30,798	269,178	51	
4. USDI AERIAL MAPPING	106,979	27	327,328	16	164,124	309,459	6	
5. TOTAL IMAGERY (#1,2,3,4)	405,106	100%	2,058,612	100%	421,214	1,457,299	41	
A. Federal Government	163,984	40	771,293	37	132,328	428,209	80	
(1) U.S.G.S.	44,383	27	252,857	33	73,239	307,182	-18	
(2) Other Federal	43,482	27	180,518	23	52,537	90,079	100	
(3) EDC/EPO PAO	3,272	2	29,657	4	1,115	18,756	58	
(4) NASA P.I.'s	72,847	44	308,261	40	5,437	12,192	2,428	
B. State/Local Government	14,103	4	60,627	3	7,178	28,603	112	
C. Academic	39,283	10	196,795	10	58,879	207,955	-5	
D. Industrial	82,182	20	424,090	21	121,729	390,491	9	
E. Individuals	35,223	9	252,819	12	30,900	160,709	57	
F. Non-U.S.	68,457	17	343,930	17	51,676	168,272	104	
G. Non-Classified	1,874	0	9,058	0	18,524	73,060	-88	
6. COMPUTER COMP. TAPES	2,289		403,531		729	144,120	180	
7. DATA BASE TAPES	16		2,411		12	2,139	13	
8. MISC. CUST. & SPEC. PROC.			124,731			--	--	
9. TOTAL VALUE (#5,6,7,8)			2,589,285			1,603,558	61	
10. Reimbursable Receipts		\$	2,490,365			\$1,601,273		
11. Average Order Value		\$	94			\$ 49		
12. Average Frame Value		\$	5.08			\$ 3.30		
13. Work In Process **		\$	169,971			\$ 91,743		
14. Orders Received			27,711			32,457		
15. Customer Contacts			41,571			52,505		
16. Visitors to EDC			17,060			15,366		
17. EDC Staff			393			370		
18. Valid Complaints			1,463			2,244		
19. Complaints to Orders Ratio			4 %			8 %		
20. Shipped Orders Over 30 Days Old			7 %			11 %		
21. Average Delivery Time (Imagery)			14 Days			15 Days		

* By Order Entry Date
 ** As of Last Working Day of the FY

Month October, 1976

Issue Date 11/9/76



* All Units in Thousands

EROS DATA CENTER
 STATISTICAL SUMMARY
 September 10, 1976

	<u>YEAR END DATA</u>				<u>FY '76 QUARTERLY DATA</u>				<u>1976</u>
	<u>FY '73</u> <u>YEAR END</u>	<u>FY '74</u> <u>YEAR END</u>	<u>FY '75</u> <u>YEAR END</u>	<u>FY '76</u> <u>YEAR END</u>	<u>FIRST</u> <u>QUARTER</u>	<u>SECOND</u> <u>QUARTER</u>	<u>THIRD</u> <u>QUARTER</u>	<u>FOURTH</u> <u>QUARTER</u>	<u>TRANSITIONAL</u> <u>QUARTER</u>
Image Frames in EDC Data Base	209,000	407,000	566,000	801,000	640,000	692,000	743,000	801,000	871,692
Landsat									
Other	3,087,000	4,910,000	5,489,000	5,706,000	5,598,000	5,645,000	5,664,000	5,706,000	4,190,194*
Average Data Delivery Time (Receipt of Order to Shipment)	10 weeks	4 weeks	12 days	15 days	12 days	12 days	15 days	15 days	16 days
Percentage of Orders Shipped Older Than 30 Days	---	25%	5%	9%	5%	5%	8%	9%	10%
Order Value (Data Sales)	\$373,421	\$790,991	\$1,584,314	\$2,589,285	\$620,726	\$629,914	\$613,138	\$725,507	\$720,239
Customer Contacts	19,327	52,608	52,505	41,571	8,583	10,743	10,200	12,045	13,377
Orders Received	8,249	22,307	32,457	27,788	6,921	7,315	6,651	6,901	6,532
Frames (Images) Delivered	155,815	275,342	446,848	406,254	119,180	78,947	84,401	123,726	104,443
Visitors to EDC	500	5,200	15,366	17,060	5,910	3,354	2,203	5,593	7,582
Total EDC Staff	50	300	370	393	358	372	374	393	355

<u>Customer Profile</u>		<u>Type of Business</u>		<u>Customer Response to Products</u>	
Federal Government	37%	67%	Landsat	93%	Good Quality
State & Local Gov't.	3%	33%	Other	6%	Fair Quality
Academic	10%			1%	Poor Quality
Industrial	21%	82%	B & W		
Individuals	12%	18%	Color		
Non U. S.	17%				
Non Classified	0%	84%	Photographic Data		
		16%	Electronic Data		

*Based on actual count.

USER PROFILE OF IMAGERY

(Based on Order Entry Date)

October 13, 1976

<u>Category</u>	<u>FY '73*</u>		<u>FY '74*</u>	
	<u>Frames</u>	<u>Dollars</u>	<u>Frames</u>	<u>Dollars</u>
Federal Gov't.	41,119 (25%)	107,418 (29%)	51,910 (18%)	147,840 (18%)
State/Local Gov't.	36,558 (22%)	44,632 (12%)	6,203 (2%)	21,947 (3%)
Academic	21,210 (13%)	45,147 (12%)	34,373 (12%)	107,134 (13%)
Industrial	38,516 (23%)	96,242 (26%)	104,920 (37%)	231,223 (29%)
Individuals	11,324 (7%)	32,301 (9%)	26,698 (10%)	97,232 (12%)
Non U. S.	11,087 (7%)	33,618 (9%)	40,730 (14%)	126,502 (16%)
Non Classified	5,199 (3%)	13,362 (3%)	19,035 (7%)	68,396 (9%)
Totals	165,013 (100%)	372,720 (100%)	283,869 (100%)	800,274 (100%)

<u>Category</u>	<u>FY '75</u>		<u>FY '76</u>	
	<u>Frames</u>	<u>Dollars</u>	<u>Frames</u>	<u>Dollars</u>
Federal Gov't.	132,328 (32%)	428,209 (29%)	163,984 (40%)	771,293 (37%)
State/Local Gov't.	7,178 (2%)	28,603 (2%)	14,103 (4%)	60,627 (3%)
Academic	58,879 (14%)	207,955 (14%)	39,283 (10%)	196,795 (10%)
Industrial	121,729 (29%)	390,491 (27%)	82,182 (20%)	424,090 (21%)
Individuals	30,900 (7%)	160,709 (11%)	35,223 (9%)	252,819 (12%)
Non U. S.	51,676 (12%)	168,272 (12%)	68,457 (17%)	343,930 (17%)
Non Classified	18,524 (4%)	73,060 (5%)	1,874 (0%)	9,058 (0%)
Totals	421,214 (100%)	1,457,299 (100%)	405,106 (100%)	2,058,612 (100%)

*Based on Request Date.

NOTE: Dollar difference between product category and customer category is due to rounding.

USER PROFILE OF CCT's

(Based on Order Entry Date)

July 27, 1976

<u>Category</u>	<u>FY '75</u>	
	<u>Scenes</u>	<u>Dollars</u>
Federal Gov't. (Less N.I.'s)	162 (22%)	32,400 (22%)
NASA Investigators	19 (3%)	3,800 (3%)
State/Local Government	48 (7%)	9,600 (7%)
Academic	182 (25%)	35,680 (25%)
Industrial	195 (27%)	38,880 (27%)
Individuals	11 (1%)	2,200 (1%)
Non U. S.	108 (15%)	20,760 (14%)
Non Classified	4 (0%)	800 (1%)
 Total	 729 (100%)	 144,120 (100%)

<u>Category</u>	<u>FY '76</u>	
	<u>Scenes</u>	<u>Dollars</u>
Federal Gov't. (Less N.I.'s)	563 (24%)	58,331 (14%)
NASA Investigators	483 (21%)	96,600 (24%)
State/Local Government	3 (0%)	600 (0%)
Academic	272 (12%)	54,400 (14%)
Industrial	522 (23%)	104,400 (26%)
Individuals	38 (2%)	7,600 (2%)
Non U. S.	403 (18%)	80,600 (20%)
Non Classified	5 (0%)	1,000 (0%)
 Total	 2,289 (100%)	 403,531 (100%)

NOTE: No CCT customer categories are available for FY '73 and FY '74.

EDC DATA DEMAND

July 19, 1976

I. <u>FRAMES</u>	<u>FY '73</u> <u>Items</u>	<u>FY '74</u> <u>Items</u>	<u>FY '74</u> <u>% Increase</u>	<u>FY '75</u> <u>Items</u>	<u>FY '75</u> <u>% Increase</u>	<u>FY '76</u> <u>Items</u>	<u>FY '76</u> <u>% Increase</u>
Landsat Imagery	81,071	157,178	+ 94%	195,125	+ 24%	246,449	+ 26%
Landsat CCT's*	10	228	+ 2,000%	879	+ 286%	2,305	+ 162%
Manned Satellite Imagery	--	17,201	--	28,049	+ 63%	9,664	- 66%
Aircraft Imagery	83,942	109,490	+ 30%	190,031	+ 74%	148,993	- 22%
TOTALS	165,023	284,097	+ 72%	414,084	+ 46%	407,411	- 2%

II. <u>DOLLARS</u>	<u>FY '73</u> <u>Dollars</u>	<u>FY '74</u> <u>Dollars</u>	<u>FY '74</u> <u>% Increase</u>	<u>FY '75</u> <u>Dollars</u>	<u>FY '75</u> <u>% Increase</u>	<u>FY '76</u> <u>Dollars</u>	<u>FY '76</u> <u>% Increase</u>
Landsat Imagery	\$228,042	\$528,514	+ 132%	\$ 760,263	+ 44%	\$1,237,862	+ 63%
Landsat CCT's*	1,600	36,480	+ 2,200%	169,300	+ 364%	405,942	+ 140%
Manned Satellite Imagery	--	34,421	--	113,473	+ 230%	85,783	- 24%
Aircraft Imagery	144,676	237,332	+ 64%	566,806	+ 139%	734,967	+ 30%
TOTALS	\$374,318	\$836,747	+ 124%	\$1,609,842	+ 92%	\$2,464,554	+ 53%

*Includes DBT's

FY 1977 PLAN

(Estimate of Reimbursable Receipts)

October 13, 1976

October	\$ 285K	(\$ 244K Imagery, \$ 41K CCT's)
November	\$ 295K	(\$ 254K Imagery, \$ 41K CCT's)
December	\$ 275K	(\$ 234K Imagery, \$ 41K CCT's)
January	\$ 292K	(\$ 250K Imagery, \$ 42K CCT's)
February	\$ 310K	(\$ 268K Imagery, \$ 42K CCT's)
March	\$ 325K	(\$ 283K Imagery, \$ 42K CCT's)
April	\$ 340K	(\$ 297K Imagery, \$ 43K CCT's)
May	\$ 350K	(\$ 307K Imagery, \$ 43K CCT's)
June	\$ 360K	(\$ 317K Imagery, \$ 43K CCT's)
July	\$ 375K	(\$ 331K Imagery, \$ 44K CCT's)
August	\$ 385K	(\$ 341K Imagery, \$ 44K CCT's)
September	\$ <u>400K</u>	(\$ <u>356K</u> Imagery, \$ <u>44K</u> CCT's)
TOTAL	\$3,992K	(\$3,482K Imagery, \$510K CCT's)

SALES

(1,000's of Dollars)

October 13, 1976

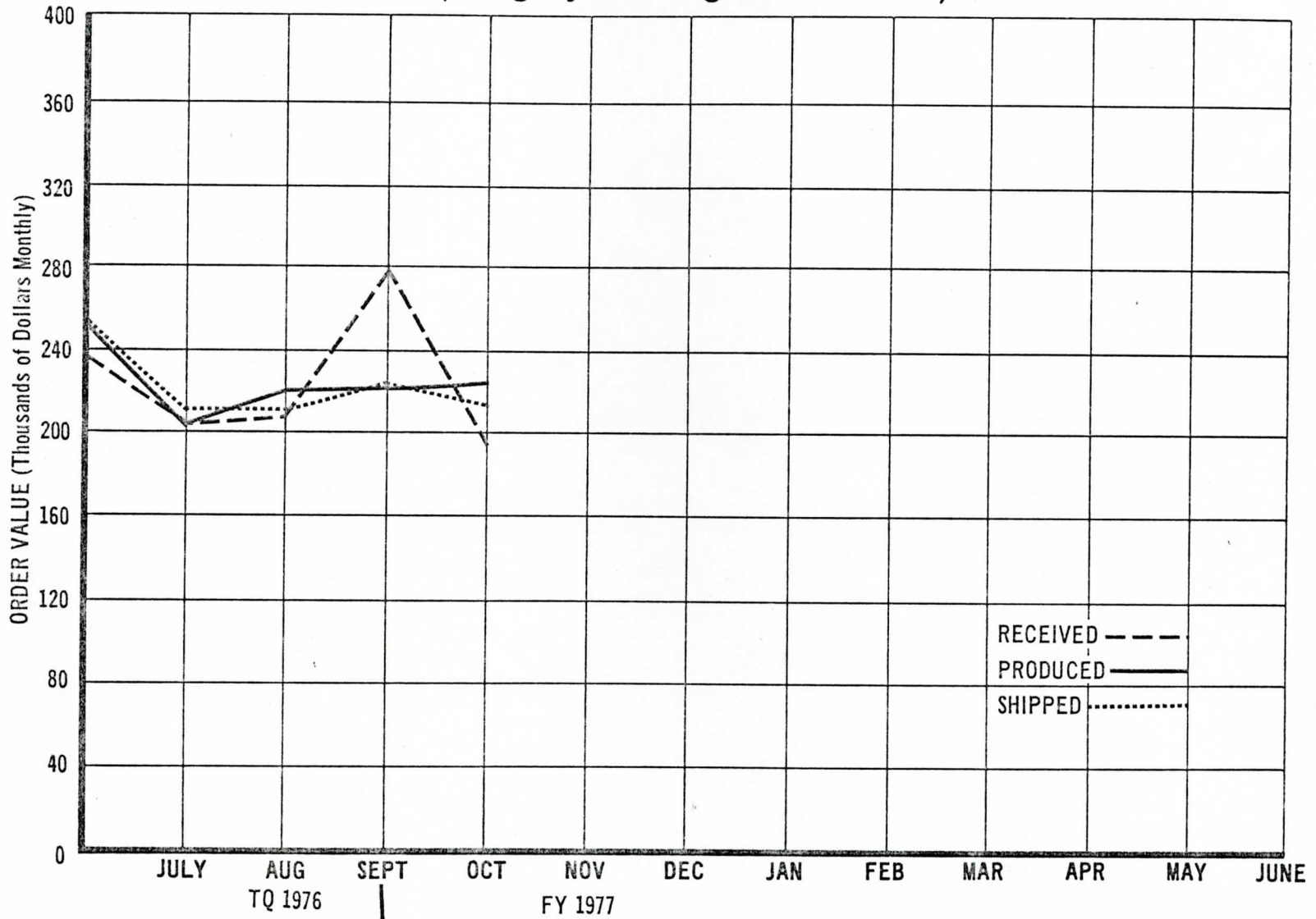
<u>FY</u>	<u>Imagery w/o NI's</u>	<u>NI Imagery</u>	<u>CCT's w/o NI's</u>	<u>NI CCT's</u>	<u>TOTAL</u>
1975	1,441	--	169	--	1,610
1976	1,750	308	307	97	2,462**
1976 TQ	482	29	152	26	689**
1977*	3,422	60	495	15	3,992
1978*	3,929	--	560	--	4,489

<u>FY</u>	<u>All Imagery</u>	<u>All CCT's</u>	<u>TOTAL</u>
1975	1,441	169	1,610
1976	2,058	404	2,462**
1976 TQ	511	178	689**
1977*	3,482	510	3,992
1978*	3,929	560	4,489

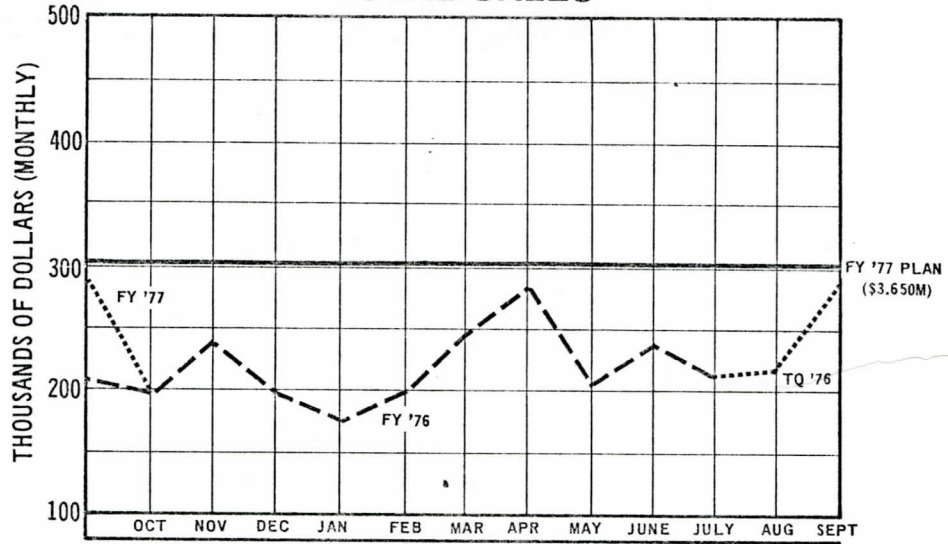
*Estimated

**Excludes DBT's and Handcarries

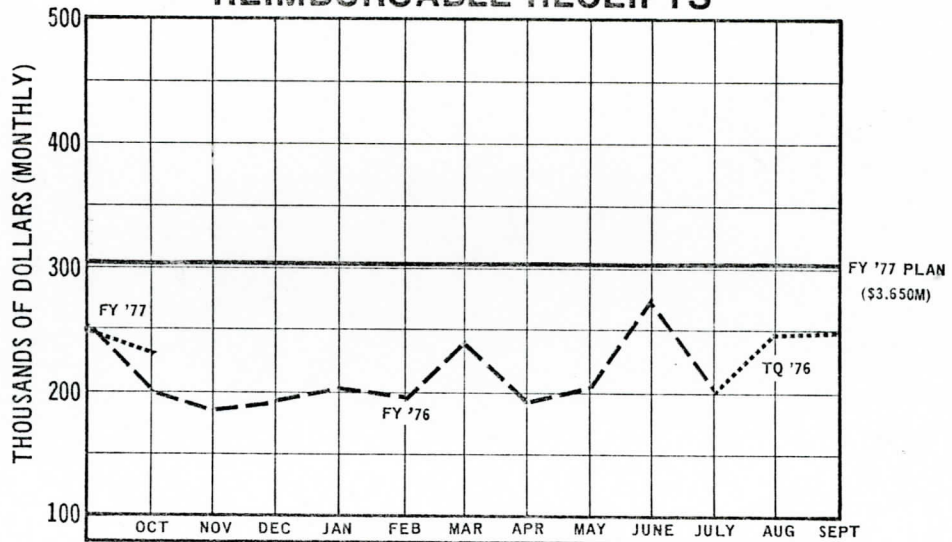
MONTHLY DOLLAR VOLUME (Imagery and Digital Products)



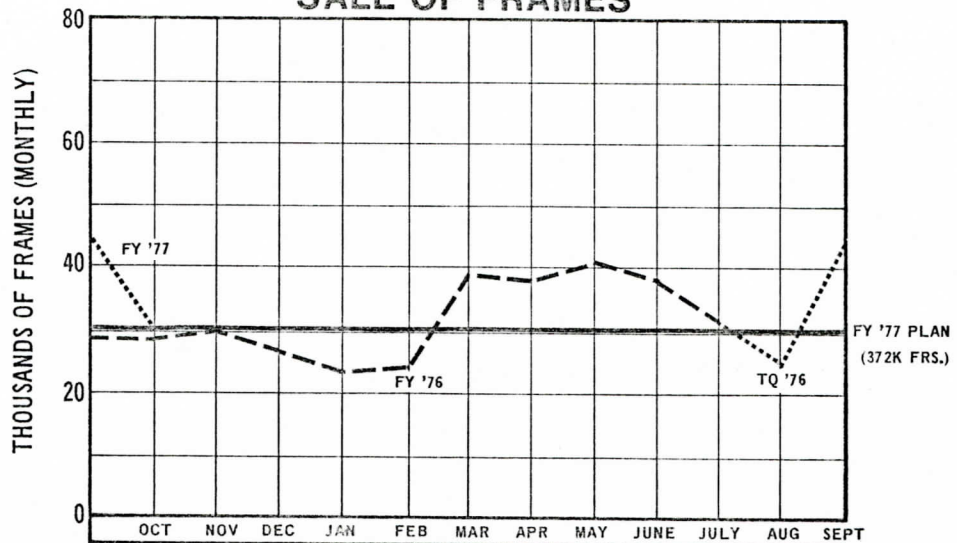
TOTAL SALES



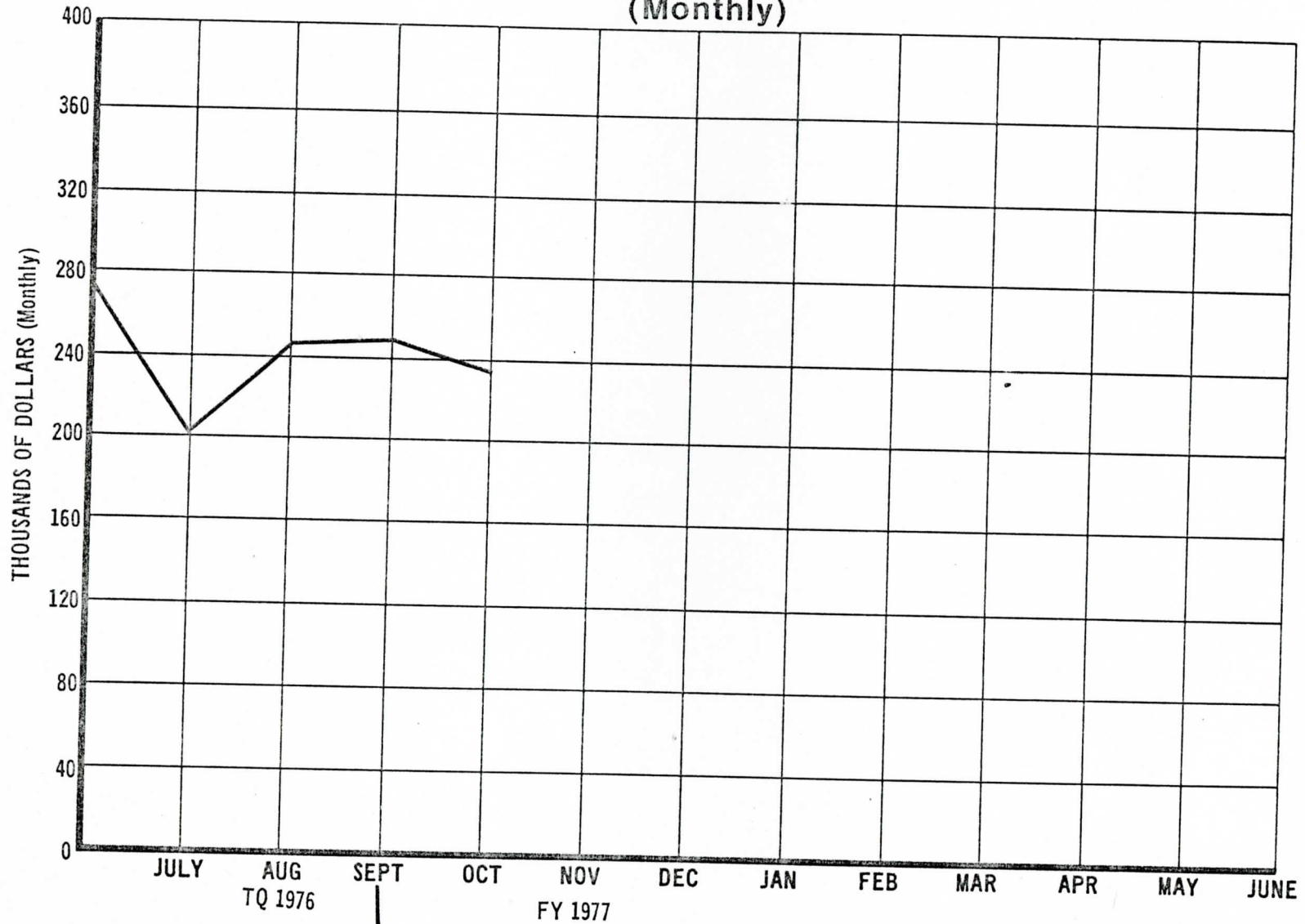
REIMBURSABLE RECEIPTS



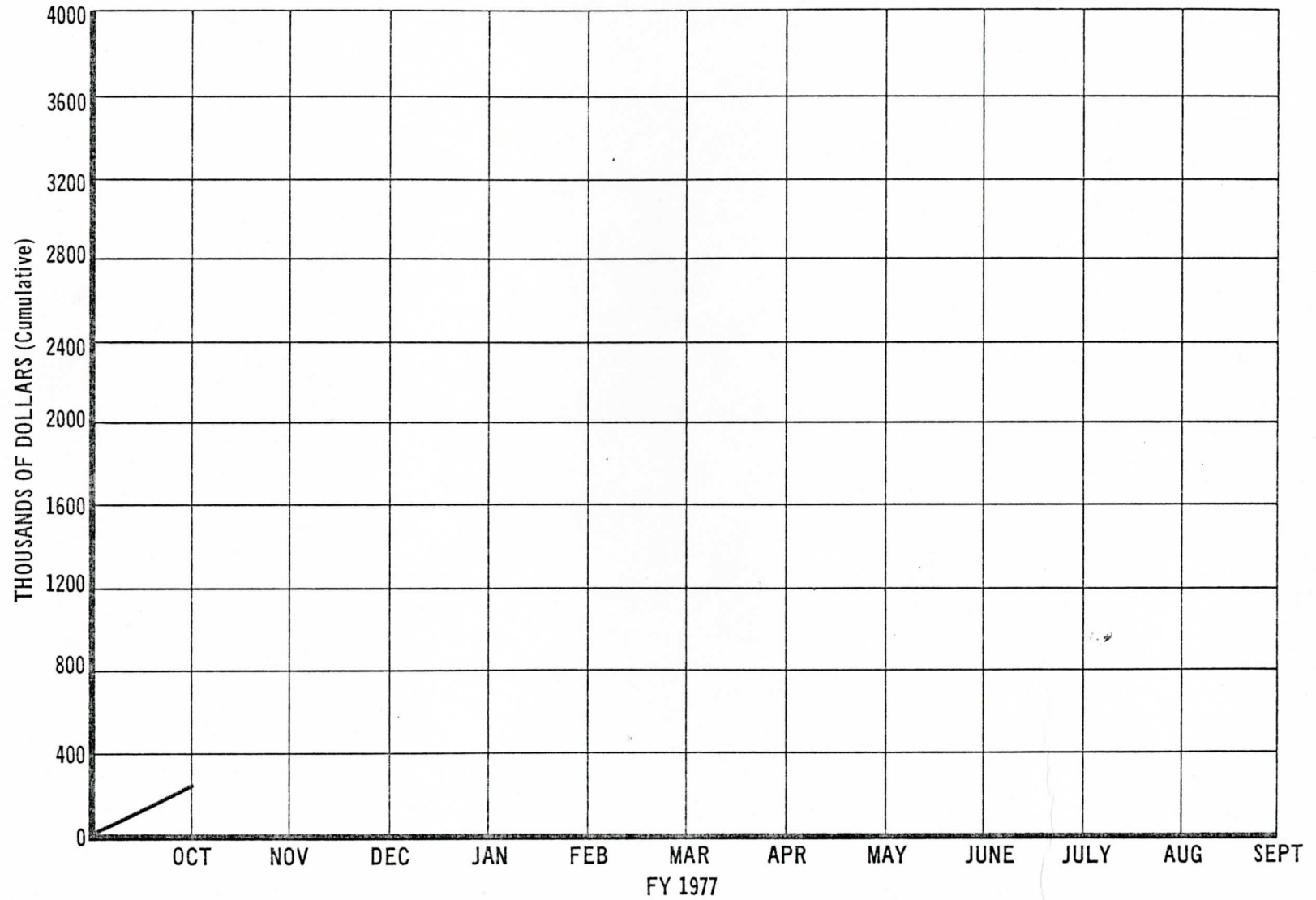
SALE OF FRAMES



REIMBURSABLE RECEIPTS (Monthly)



REIMBURSABLE RECEIPTS



FINANCIAL PLAN - FY 1977

(In Thousands of \$)

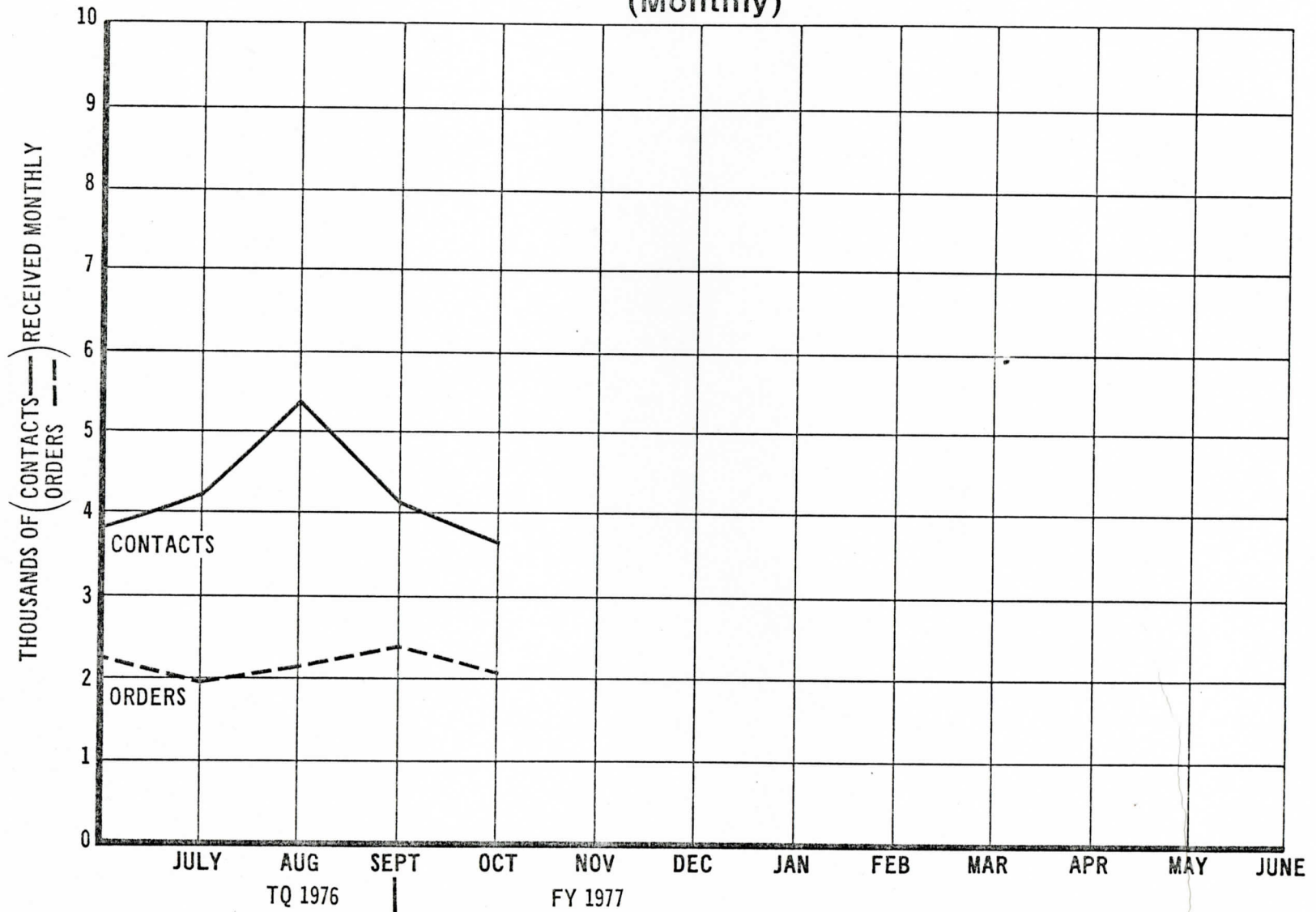
November 4, 1976

DATA PRODUCTION BRANCH

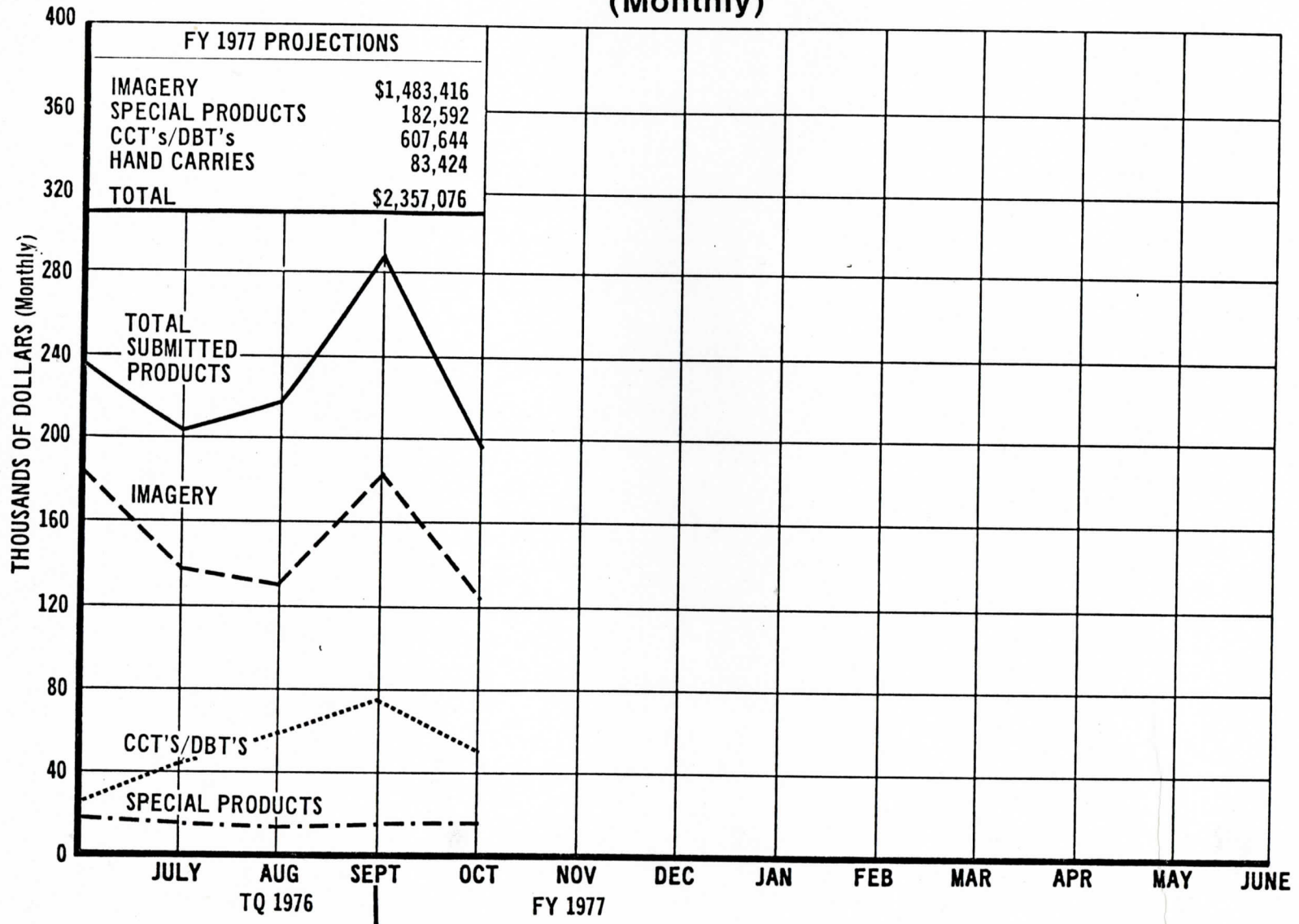
<u>Description</u>	<u>October 1976</u>	<u>November 1976</u>	<u>Difference</u>
Personal Services	340	335	- 5
Travel	31	20	- 11
Transportation of Things	4	4	0
Rents and Utilities	71*	71*	0
Printing and Reproduction	19	15	- 4
Contractual			
Technicolor	1,600	1,600	0
Other	27	27	0
Supplies	529	520	- 9
Equipment	<u>146</u>	<u>146</u>	<u>0</u>
TOTAL	2,767	2,738	-29

*Postage \$55K

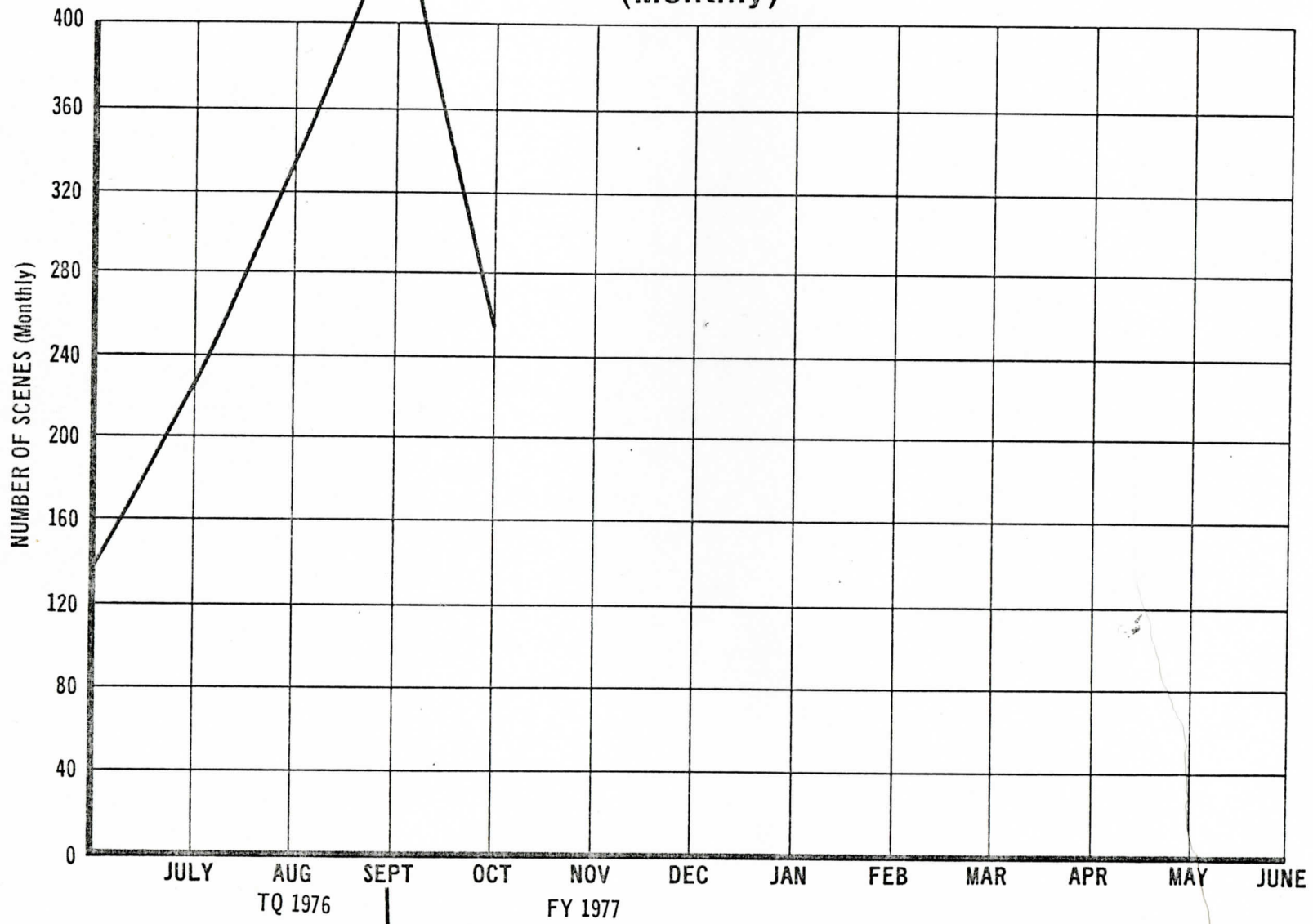
USER SERVICES ACTIVITY (Monthly)



ORDERS PROCESSED (Monthly)



COMPUTER COMPATIBLE TAPES (CCT'S) ORDERED (Monthly)



Incoming orders and inquiries for the month of October totaled 3,657. The User Services production workload status for the month is as follows:

<u>Function</u>	<u>Total Items Completed</u>	<u>Average Completed Per Day</u>	<u>No. Items Outstanding</u>
Control	3203	169	0
Research	2012	106	160
Order Entry	1565	82	44
Letter Write	521	27	43
Letter Type*	707	37	3

*Includes typing for Customer Relations, Billing, and Standing Request System.

Status of other functions is as follows:

<u>Function</u>	<u>Items Completed</u>
Terminal Inquiry Lines Printed	636,887
CCT Scenes Requested	209
WRS Orders Processed	218
Bills For Collection Issued	523
Refunds Issued (\$1,766.17)	49
Orders Placed Outside EDC (\$954.00)	39
Standing Orders Generated (\$4,311.00)	102
Hand Carried Orders (\$12,488.40)	108
Priority Work Processed (\$10,788.00)	65 (3.25 avg. days each)

A statistical summary of the Standing Request System activities during October is as follows:

<u>Function</u>	<u>Additions</u>	<u>Deletions</u>	<u>Total Active</u>
Standing Accounts	8	8	237
Auto Orders	2	18	95
General Inquiry Requests	9	2	56

There were 98 orders totaling \$19,937.00 mailed to the NASA Investigators. The cumulative figure for the Investigators is 4,125 orders, reflecting \$521,873.50.

The Table below summarizes outstanding CB's over 30 days. The summary includes CB's issued during Fiscal Year 75 and 76 only.

<u>Time Frame</u>	<u>Number of CB's</u>	<u>Amount</u>
30 - 60 Days	40	\$15,268.00
	20	6,001.00*
60 - 90 Days	30	12,463.00
	6	2,321.00*
90 Days and Older	24	8,417.00
	5	<u>1,521.00*</u>
Total Outstanding CB's		\$45,991.00

*Outstanding CB's posted to Standing Accounts.

MONTHLY PRIORITY REPORT

DATE October 28, 1976

PRIORITIES:

RECEIVED MONTH OF <u>OCTOBER</u>	<u>65</u>
COMPLETED ON TIME	<u>59</u>
COMPLETED LATE	<u>1</u>
TOTAL COMPLETED	<u>59</u>
IN SYSTEM AT END OF MONTH	<u>9</u>

CUSTOM PRODUCT ORDERS:

RECEIVED MONTH OF <u>OCTOBER</u>	<u>38</u>
COMPLETED	<u>51</u>
IN SYSTEM AT END OF MONTH	<u>14</u>

REMARKS:

TOTAL PRIORITY FRAMES PRODUCED	<u>713</u>
DOLLAR VALUE OF PRIORITY IMAGERY	<u>\$10,884</u>
LESS: LATE PRIORITY REFUNDS	<u>\$ 96</u>
NET PRIORITY DOLLAR VALUE	<u>\$10,788</u>
AVERAGE NUMBER OF PRODUCTION DAYS PER ORDER	<u>3 1/2</u>

James Anderson

In October 1,881 contacts were initiated by the Control Area and entered in the Customer Profile System. These contacts represented the following:

<u>Type of Customer Contact</u>		<u>Type of Request</u>	
Telephone	203	Order	1,135
Letter	327	Inquiries	720
Personal Visit	138	Complaints/Other	0
Form	1,213	Billing	4
		Multiple	1
		Status	21

The orders and inquiries were placed by the following customers:

<u>Customer</u>	<u>Orders</u>	<u>Inquiries</u>
U.S. Government (Except USGS)	47	22
USGS (Except PAO)	143	19
USGS PAO	4	0
Other Government Units	18	16
Industry or Services	302	161
Academic or Educational	141	136
Private Individuals	313	237
NASA Investigators	18	0
Foreign	149	129

The Remote Terminals submitted 421 orders during October, 312 were accepted and 109 rejected. The total value of these orders was \$27,593.00.

Visitors from 22 states and 5 foreign countries were assisted in the Data Reference File during October.

Month Of: October 1976

Prepared By: Kay Langin

Monthly Summary Sheet - (DNC)

Date	On Hand Sales	Order Sales
9-29	3.00	20.00
9-30		86.00
10-01		12.00
10-04		65.00
10-05		41.00
10-06		25.00
10-07	52.00	46.00
10-08	7.00	149.00
10-12		69.00
10-13	2.50	37.00
10-14		17.00
10-15		79.00
10-18		160.00
10-19		23.00
10-20		74.00
10-21	5.25	110.00
10-22	4.25	39.00
10-26	23.00	54.00
10-27	4.25	153.00
10-28	14.00	103.00
10-29	Total \$117.75 ^{2.50}	Total \$1612.00 ^{250.00}

Combined Total: \$1,729.75

01/07/76

An add'ly machine tape and the master credit tape has been forwarded to the Chief, Data Services, Hq. for their file on

FEB 10 1976

Month of: October 1976

Prepared By: Kay Langin

Monthly Inventory Sheet (DRF)

Product		On Hand Beginning of Month	Number Sold During Month	Number Reordered	Balance	Number Unaccounted For
9" ERTS-Sioux Falls	25	1	1	25		
9" NASA-Sioux Falls	25	2	2	25		
9" Skylab-Sioux Falls	25	1	1	25		
20" NASA-Sioux Falls	30	1	1	30		
9" ERTS-Washington D.C.	25	2	2	25		
9" NASA-Washington D.C.	25	1	1	25		
Arizona Litho (B/W)	10	1	1	10		
Arizona Litho (Color)	10	1	1	10		
Florida Litho	10	1	1	10		
U.S. Litho-Band 5	10	5	5	10		
U.S. Litho-Band 7	10	2	2	10		
New Jersey Litho	10	2	2	10		
Upper Chesapeake Litho	10	0	0	10		
Antartic Litho	10	0	0	10		
35mm Slides	-	49	-	-		
9" Apollo (Whole Earth)	10	1	1	10		

8/24/76

EDC US0015

PRINCIPAL INVESTIGATOR BUDGET AND ORDER STATUS

10-29-76

I. ORDERS SHIPPED TO DATE:

	<u>AUTO ORDERS</u>	<u>MONTHLY</u> <u>RETROSPECTIVE ORDERS</u>	<u>CUMULATIVE</u>
A. LANDSAT	\$4,245.00	\$ 2,632.00	\$317,121.00
B. CCT	.00	12,000.00	130,600.00
C. AIRCRAFT	.00	<u>1,000.00</u>	<u>74,152.50</u>
	\$4,245.00	\$15,692.00	\$521,873.50

D. Auto Orders Shipped to Date - \$233,744.00.
E. Retro Orders Shipped to Date- 288,129.50

II. BUDGET COMPARISON

Cumulative Projected Total - \$770,000.00
Actual Orders Shipped - 521,873.50
Unused Projected Total. . . . \$248,126.50

MONTHLY COMPLAINT SUMMARY

FOR THE MONTH OF OCT-76

			TOTAL NUMBER	PERCENT
ORDER PROBLEMS	RESEARCH ERRORS	II	2	.67
	CONTROL ERRORS		0	—
	LETTER ERRORS	I	1	.035
	ORDER ERRORS	IIII	4	.12
	CUSTOMER ERRORS	IIII IIII IIII IIII	(18)	(.635)
	EXCESSIVE CLOUD COVER	II	2	.07
	WRS PROBLEMS	IIII IIII	10	.35
	ERRORS CAUSED BY DRES	IIII	4	.14
TOTAL ORDER PROBLEMS			26	.915

PRODUCTION PROBLEMS	PHOTOGRAPHIC QUALITY	IIII IIII IIII IIII IIII IIII IIII	39	1.36
	COSMETIC QUALITY	II	2	.07
	PRINTING ERROR	IIII IIII IIII II	17	.60
	DATA BASE ERROR	IIII	4	.14
	SLOW SERVICE	IIII IIII	10	.35
	TOTAL PRODUCTION PROBLEMS			72

SHIPPING PROBLEMS	ORDER NOT RECEIVED	IIII II	7	.25
	RECEIVED WRONG ORDER	I	1	.035
	ITEMS MISSING IN ORDER	IIII I	6	.21
	DAMAGED IN SHIPMENT	IIII II	7	.25
	TOTAL SHIPPING PROBLEMS			21

COMPUT. PROB.	COMPUTER ERRORS		0	—
	CCT PROBLEMS	IIII I	6	.21
TOTAL COMPUTER PROBLEMS			6	.21

TOTAL ORDERS SHIPPED	2843	100	
TOTAL ALL PROBLEMS	88	125	4.4 3.1
REFUNDS	6	.21	

		DAYS TO MAKE CUSTOMER CONTACT											NUMBER OF CUSTOMERS	
		0	1	2	3	4	5	6	7	8	9	10		11
TELEPHONE	IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII													1
LETTER	IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII													2
CARD	IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII IIII													3

Rev. 03/76

75 orders
114 letters

EDC US0048

CUSTOMER RESPONSE CARD SUMMARY

(WEEKLY/MONTHLY)

MONTHLY SUMMARY

ITEMS	TOTAL	%
ORDERS	318	
NUMBER OF FRAMES	5895	
QUALITY		
GOOD	4115	70%
FAIR	1637	27.8%
POOR	143	2.2%

REPORTING PERIOD

29 Sept 76 TO 27 Oct 76

SUBMITTED BY: A. J. Smith

FRAMES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTAL FRAMES	TOTAL ORDERS
	GOOD			66	22	147	235
FAIR			14	0	0	14	
POOR			17	0	0	17	
NUMBER OF ORDERS			20	8	14	266	42

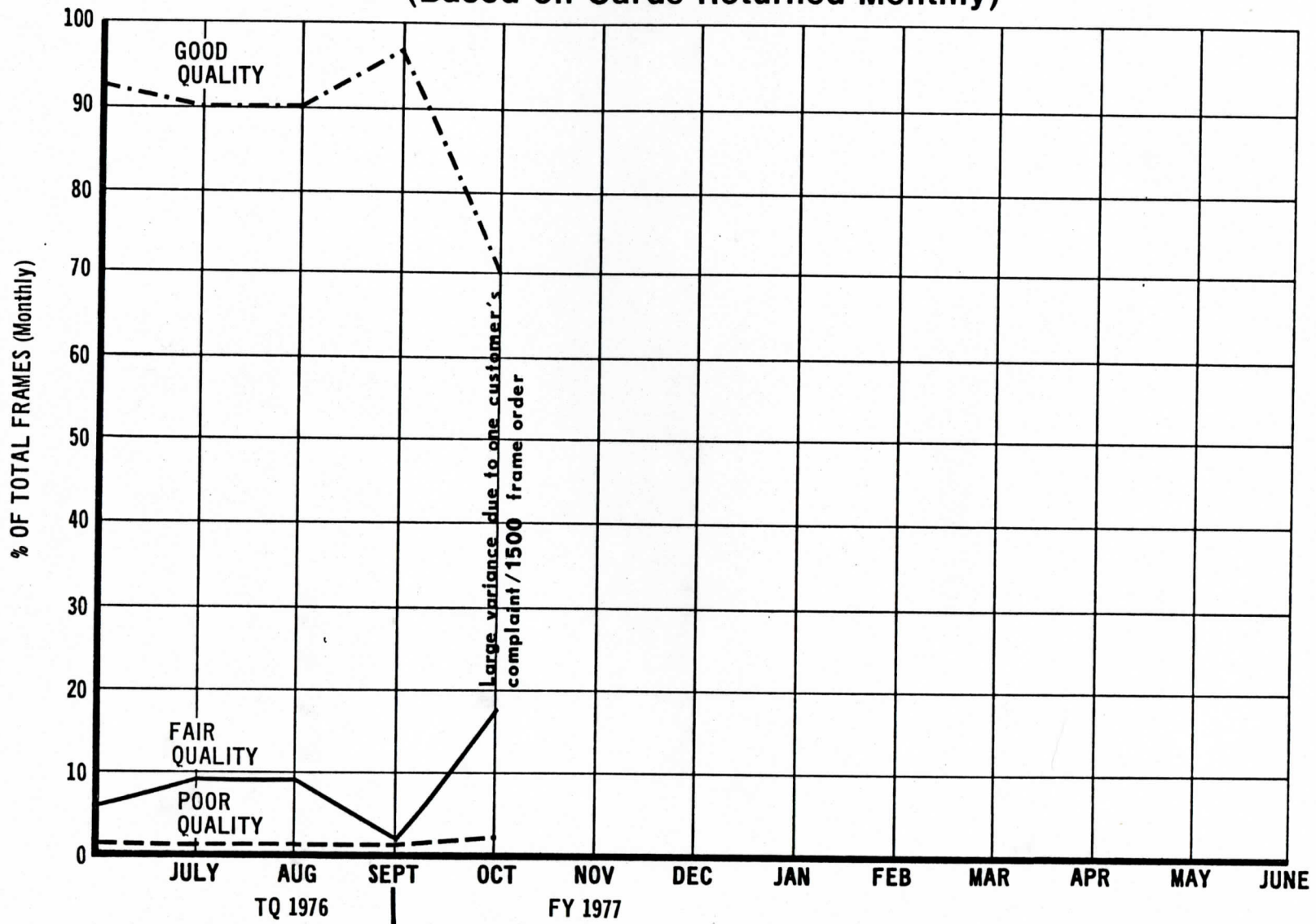
FRAMES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTAL FRAMES	TOTAL ORDERS
	GOOD	264	58	145	23	93	583
FAIR	22	12	2	0	4	40	
POOR	43	0	2	0	2	47	
NUMBER OF ORDERS	33	3	7	9	20	670	72

FRAMES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTAL FRAMES	TOTAL ORDERS
	GOOD		32	60	15	107	614
FAIR		17	0	0	8	25	
POOR		2	0	0	3	5	
NUMBER OF ORDERS		46	12	6	17	644	81

FRAMES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTAL FRAMES	TOTAL ORDERS
	GOOD	2073	2	79	71	113	2338
FAIR	1536	0	0	0	16	1552	
POOR	71	0	0	0	0	71	
NUMBER OF ORDERS	44	2	5	12	13	3961	76

FRAMES	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTAL FRAMES	TOTAL ORDERS
	GOOD		270	75			345
FAIR		6	0			6	
POOR		2	1			3	
NUMBER OF ORDERS		10	7			354	47

CUSTOMER RESPONSE TO PHOTOGRAPHIC PRODUCTS (Based on Cards Returned Monthly)



CUSTOMER RELATIONS
COMPLAINT ACTIVITY SHEET
(Weekly/Monthly)

SUMMARY

COMPLAINTS	TOTALS
RECEIVED	155
IN ACTION	38
COMPLETED	165

REPORTING PERIOD

29 Sept 76 TO 27 Oct 76
SUBMITTED BY: G. Gill-Frost

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
RECEIVED			2	16	1	19
IN ACTION			14	56	46	46
COMPLETED			6	7	11	21

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
RECEIVED	0	25	7	10	5	47
IN ACTION	46	65	61	64	61	61
COMPLETED	0	6	11	7	8	32

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
RECEIVED		9	13	11	1	34
IN ACTION		59	62	62	46	46
COMPLETED		11	10	11	17	49

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
RECEIVED	13	2	13	6	6	40
IN ACTION	49	44	45	43	33	33
COMPLETED	10	7	12	8	16	53

	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	TOTALS
RECEIVED		6	9			15
IN ACTION		36	38			38
COMPLETED		3	7			10

MAIN IMAGE FILE ACTIVITY

October, 1976

USGS

ROLLS AT EDC	11,672	GEOREF ACCESSIONS	
ROLLS AT MAPPING CENTERS	2,177	BLOCKS	51,466
		STRIPS	617

All USGS film is geographically retrievable since all photo indices are entered into the Main Image File. Photo indices are entered as a block accession.

A small number of rolls of Alaska imagery that carry a USGS designation are part of the 11,672 rolls at EDC. However, this imagery is found in the Main Image File, not in block accession, but in strip accession.

Rocky Mountain Mapping Center has been shipping film to us during October. As soon as this film is received, the Main Image File is updated to show that the film is now at EDC.

AMS

AIR FORCE

NAVY

ROLLS AT EDC	4,574	GEOREF ACCESSIONS	
		BLOCKS	717
		STRIPS	8,972

Those rolls of non-Alaskan imagery are retrievable through the block accessions.

Selected rolls of Alaskan coverage are retrievable in strip accession format.

USBLM

USBR

ROLLS AT EDC	1,371	GEOREF ACCESSIONS	
		BLOCKS	472

Thirty-five rolls of color IR coverage have been received. The areas of coverage are parts of the states of Utah and Wyoming. For the present these rolls will only be available through the minimum data roll record.

When the changes to our data entry program and the plot programs are completed (sometime after INORAC implementation), it would then be possible to enter this type data into the Main Image File.

MAIN IMAGE FILE ACTIVITY - OCTOBER 1976

LANDSAT 1
LANDSAT 2

GEOREF ACCESSIONS 222,981
SINGLE FRAME 891,924

Landsat imagery as contained in the Main Image File is as follows.

<u>Latest Imagery Available</u>	<u>Latest Microfilm Reference</u>
Landsat 1 (1,546) October 16, 1976	(1,401) May 25, 1976
Landsat 2 (634) October 17, 1976	(488) May 24, 1976

This month 3,695 Landsat scenes were added to the Main Image File.
This represents about 14,780 frames of imagery.

AMES

ROLLS AT EDC	2,424	GEOREF ACCESSIONS	
		STRIPS	40,673
		SINGLE FRAME	21,401

A data tape was received late in the month and will be added the first part of November. This tape contains 7,900 frames and will provide retrievable data as of July, 1976.

Data Management will be microfilming a cassette of color imagery sometime during November. Distribution will follow as soon as copies are made available.

JSC - NASA AIRCRAFT

ROLLS AT EDC	5,938	GEOREF ACCESSIONS	
		STRIPS	44,168
		SINGLE FRAME	12,237

Missions Between MX 1 and MX 99

These missions are not geographically retrievable from the Main Image File. On request, Data Management can order the original roll of film from the National Records Center. A duplicate copy is made for our archive and the original returned to the National Records Center. These rolls are entered into the Main Image File in minimum data format.

Missions Between MX 100 and MX 278

There now remain 42 missions which we are updating to provide correct quality and cloud cover values. Seven of these missions were updated during October.

MAIN IMAGE FILE ACTIVITY - OCTOBER 1976

There now remains only one mission, which is being worked, that has never been geographically retrievable. This will be completed shortly.

Missions Between MX 279 and MX 345

We continue to receive tape data for these latest missions. However, much of this data is not being entered into our Main Image File because of the errors contained in the data.

NASA - SKYLAB

ROLLS AT EDC	634	GEOREF ACCESSIONS SINGLE FRAME	38,767
--------------	-----	-----------------------------------	--------

Nearly all updates to Skylab data have been completed. Any further corrections to accessory values (filter, sensor, etc.) will be made after the utilization of the sieve filter.

Handheld camera data and S192 film roll data are entered into the Main Image File in minimum data format. There are no plans at present to process this data so as to be available in a geo-retrievable format.

We continue to use the manual geographic retrieval system for S192 CCTs and imagery.

WALLOPS/JFK

ROLLS AT EDC	1,078	GEOREF ACCESSIONS	
--------------	-------	-------------------	--

At present none of this imagery is geographically retrievable. Roll data is available in minimum data format. Preparation of JFK imagery continues for data entry. Only 9" format imagery is being considered for entry at this time. Inspection for quality and cloud cover will be completed for data entry. At present we have planned to use microfilm for the data entry operation on our Graf/Pen system.

MARSHALL

ROLLS AT EDC	34	GEOREF ACCESSIONS STRIPS SINGLE FRAME	783 491
--------------	----	---	------------

No additional data for processing has been made available to us. At such time that additional film is supplied, such data will be processed as before.

MAIN IMAGE FILE ACTIVITY - OCTOBER 1976

USCE

ROLLS AT EDC 46

To date no further interest has been indicated for production of plots of this type data. So for the present no action with this data will take place. It would appear for now that the imagery will not be made geographically retrievable, unless the USCE makes some agreement with NCIC for this project. These rolls will continue to be available through minimum data format.

MANNED SPACECRAFT - APOLLO/GEMINI

ROLLS AT EDC	122	GEOREF ACCESSIONS SINGLE FRAME	470
--------------	-----	-----------------------------------	-----

It is hoped that sometime after implementation of INORAC the necessary software for using ONC charts can be generated and that the remaining 461 non-US scenes can be processed. When this software is available, this work will be scheduled along with other data in process.

MAIN IMAGE FILE ACTIVITY - OCTOBER 1976

Main Image File Maintenance

Geographic coordinate corrections were accomplished by the Graf/Pen section. These errors were the result of JSC Graf/Pen discrepancies or EDC manual mode errors.

An edit matrix is being developed for implementation on November 15, 1976. This matrix will edit check all accessions prior to data base entry. This will ensure Main Image File accuracy. At present, this edit matrix is approximately 98% complete with much refinement and testing to be done.

Main Image File Programs

ADP(S)

No ADP's were written against data entry programs.

PRF(S)

One PRF was written to add filter codes to the minimum data program.

Data Management
November 2, 1976

ADDITIONS TO THE MAIN IMAGE FILE DURING OCTOBER 1976

<u>Agency</u>	<u>Rolls Film</u>	<u>Photo Indices</u>	<u>Annotation Tapes</u>	<u>Annotation Microfilm</u>	<u>Imagery Microfilm</u>	<u>EDC Generated Composites</u>
USGS	7	246	-	-	-	-
AMS	-	-	-	-	-	-
LANDSAT	86	-	-	-	15	95
AMES	45	-	1	-	1	-
JSC AIRCRAFT	11	-	2	-	-	-
JSC SKYLAB	-	-	-	-	-	-
USBLM/USBR	35	-	-	-	-	-
WALLOPS	3	-	-	-	-	-
JFK/MSFC	-	-	-	-	-	-

NOV 8 1976



Chief, Data Production Branch

November 8, 1976
ODM 11-14

Supervisor, Data Management Section

F. Simon
J. Pfliger

Landsat Delivery Dates

<u>Landsat Scene ID</u>	<u>Dates Taken</u>	<u>Dates Delivered to EDC</u>
2618-08140	10/1/76	10/14/76
2618-15091	10/1/76	10/14/76
2618-16504	10/1/76	10/14/76
5531-15271	10/1/76	10/14/76
5531-17100	10/1/76	10/14/76
5530-15233	9/30/76	10/14/76

T. J. Earley
Supervisor, Data Management Section
South Dakota Operations

TJE/dmh

ACTIVITY ANALYSIS OF COMPUTER COMPATIBLE TAPES

<u>Month</u>	<u>Scenes Ordered from Goddard</u>	<u>Scenes Reordered from Goddard</u>	<u>Scenes Cancelled by Goddard</u>	<u>Scenes Cancelled by Customer</u>	<u>Scenes Delivered to Computer Branch</u>	<u>Scenes Pending Shipment from Goddard</u>
FY 1976 Average	173	17	7	4	181	143
July	239	20	-	35	113	169
August	274	15	1	4	248	241
September	354	37	16	-	248	315
October	209	9	16	1	258	251

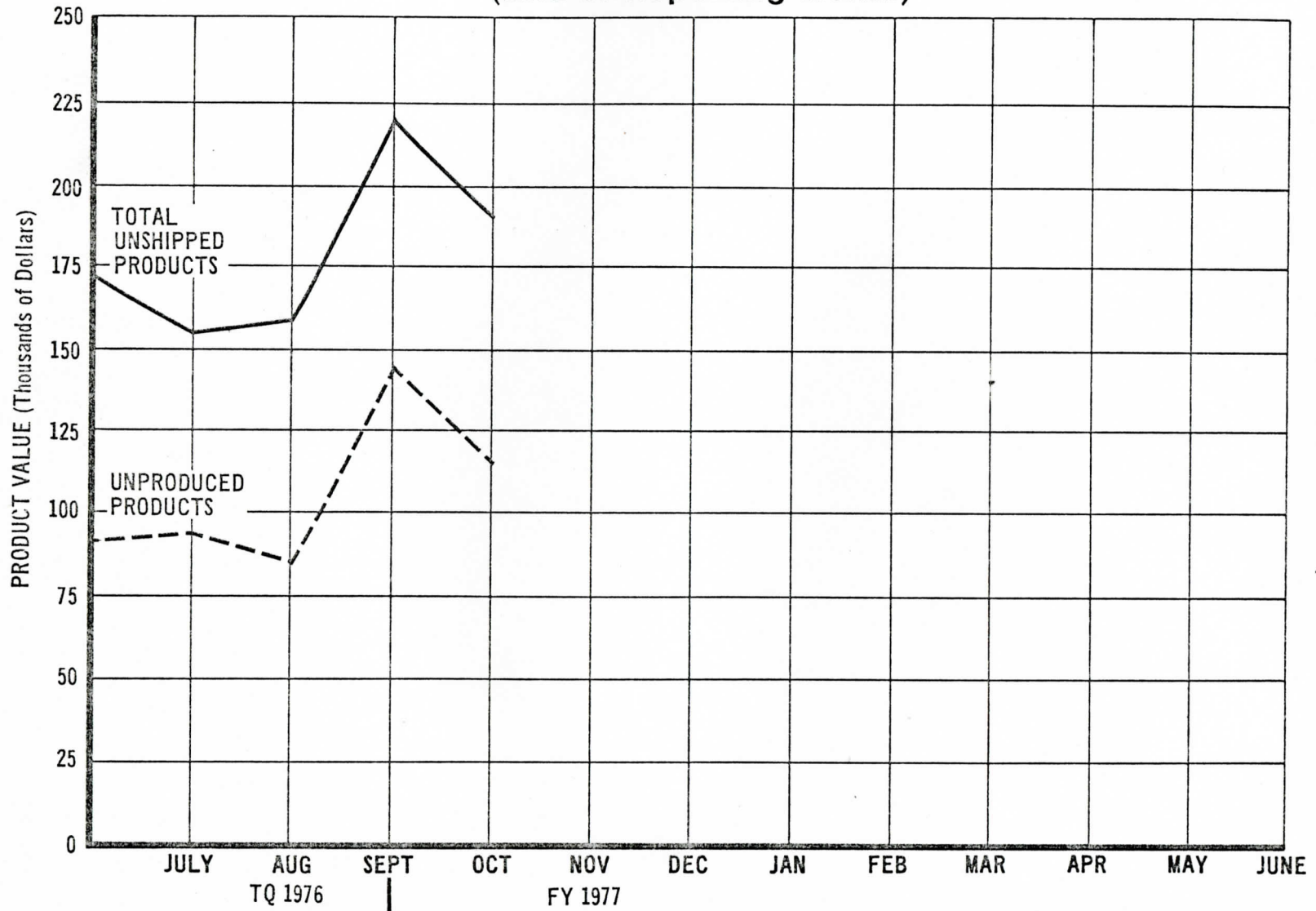
MAIN IMAGE FILE AS OF OCTOBER 31, 1976

	<u>FILM ROLLS</u>	<u>FRAMES</u>	<u>GEOREF ACCESSIONS</u>
Apollo/Gemini Space Photography	122	6,000	470
Skylab Imagery	634	44,845	38,384
Landsat Data (MSS-RBV)	<u>8,362</u>	<u>886,472</u>	<u>221,618</u>
TOTAL SPACE DATA	9,118	937,317	260,472
NASA Research Aircraft Imagery	9,067	1,348,726	120,335
USDI Aerial Mapping Photography	<u>19,568</u>	<u>2,802,823</u>	<u>63,625</u>
TOTAL AIRCRAFT DATA	28,635	4,151,549	183,960
<u>TOTAL EROS DATA CENTER HOLDINGS</u>	<u>37,753</u>	<u>5,088,866</u>	<u>444,432</u>

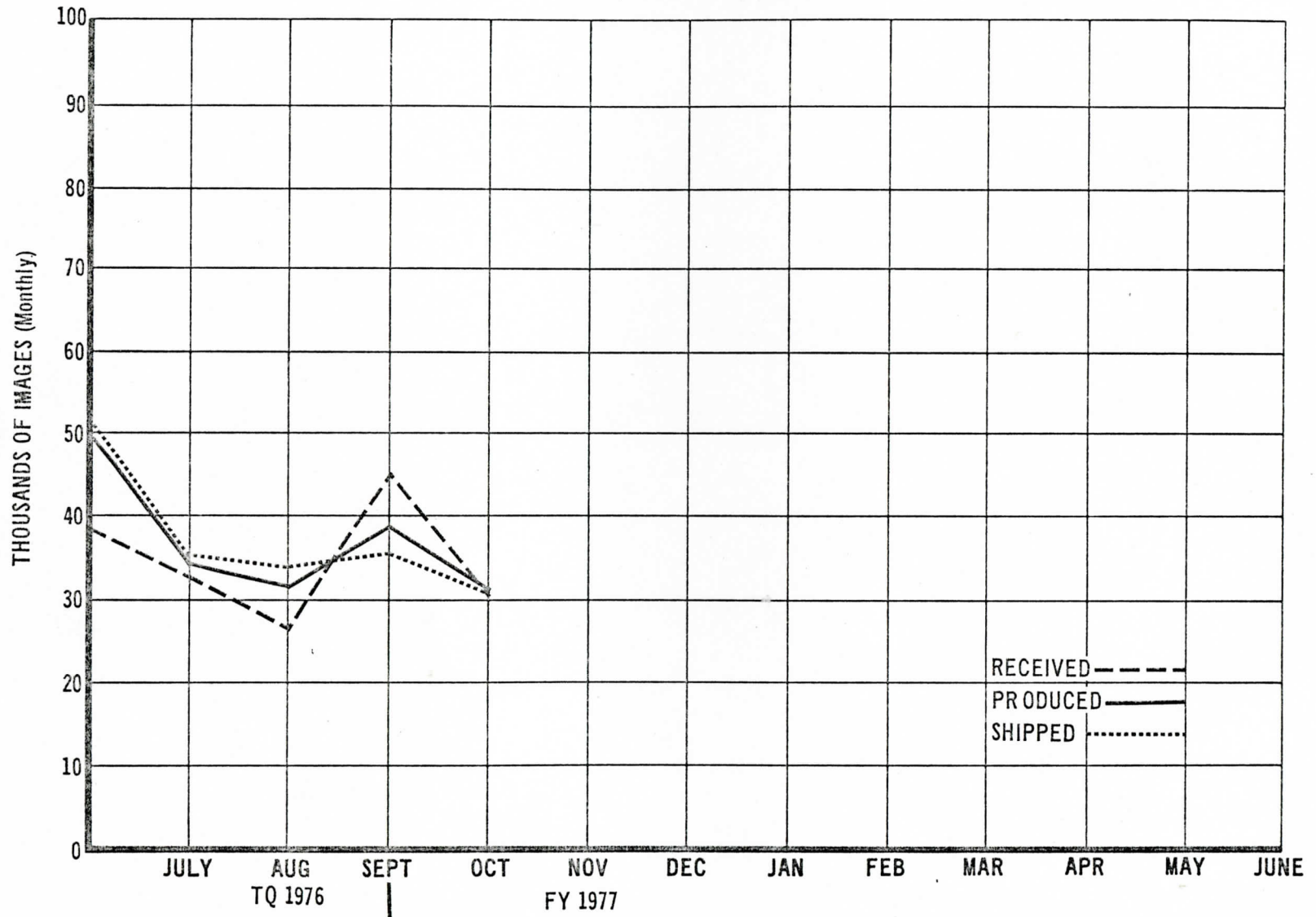
Note: These figures represent actual computer count for each item. In the past these numbers, especially frames, were estimated using an average number of frames per roll.

PHOTO - LAB

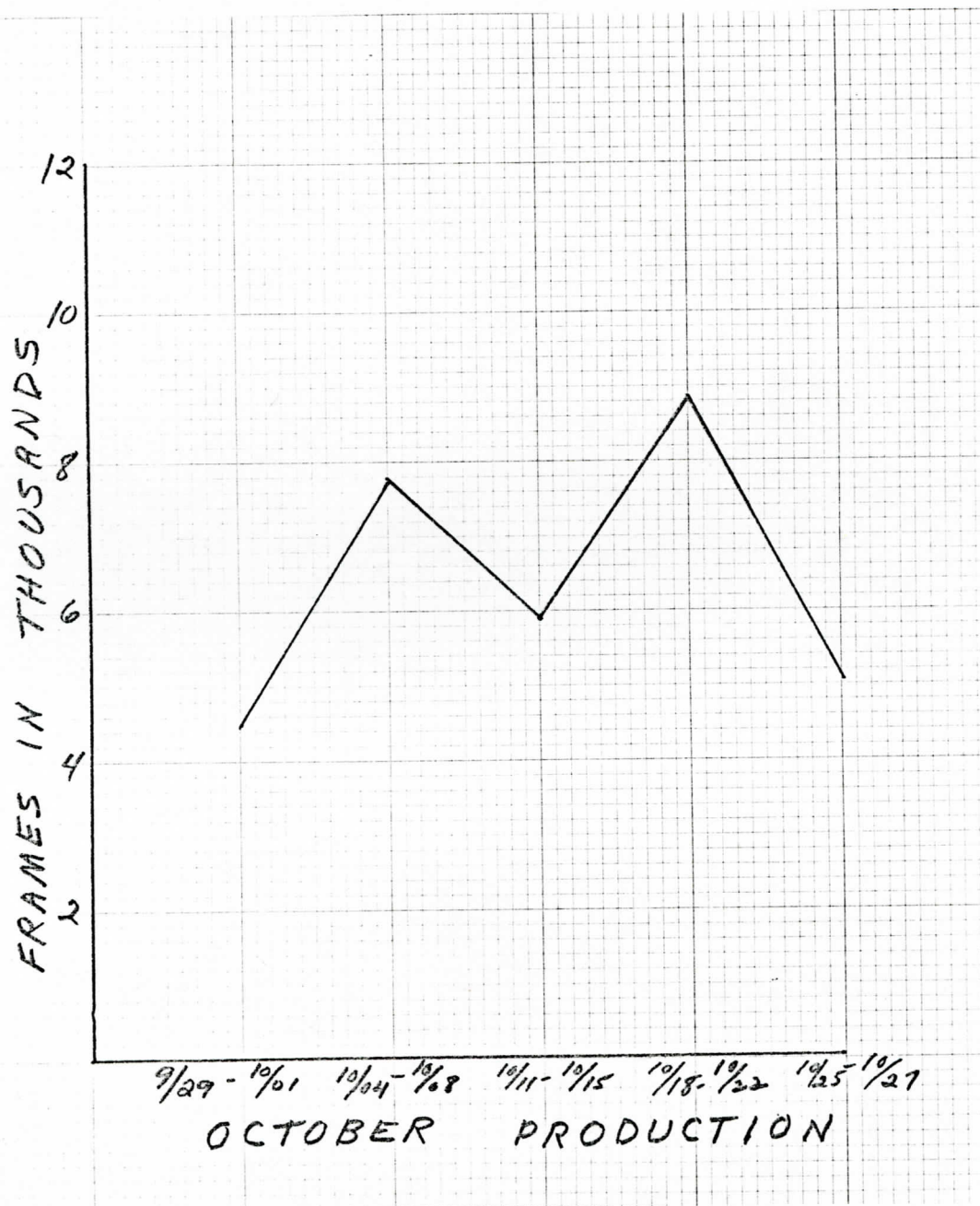
VALUE OF WORK IN PROCESS (End of Reporting Month)



VOLUME OF FRAMES (Monthly)



GRAPH FOR WEEKLY PRODUCTION RATE SHOWN BELOW:



STATISTICS BY PRODUCT SIZE (Production Laboratory)*

LANDSAT B/W

70mm Film	3,942
9.5" Paper	2,890
9.5" Film	2,333
20" Paper	570
40" Paper	390

LANDSAT COLOR:

9.5" Film	245
9.5" Film Original	134
9.5" Paper	868
20" Paper	273
40" Paper	266

AIRCRAFT B/W:

9.5" Paper	3,702
9.5" Film	125
20" Paper	54
40" Paper	71
30" Paper	69
TRANSFORMED PRINTS	16
SMALL PHOTO INDICES	273
OTHER (Odd Size)	160
LARGE PHOTO INDICES	6
TOTAL PRIORITIES	667

AIRCRAFT COLOR:

9.5" Paper	5,709
9.5" Film	4,500
20" Paper	181
30" Paper	124
40" Paper	121

SKYLAB B/W:

70mm Film	110
5" Paper	1
9.5" Paper	17
20" Paper	30
40" Paper	20

SKYLAB COLOR:

70mm Film	22
5" Film	40
5" Paper	4
9.5" Film	74
9.5" Paper	109
20" Paper	49
40" Paper	74
35mm Slides	544

MICROFILM AIRCRAFT:

16mm x 100' B/W	473
16mm x 100' Color	80
35mm x 100' Color	30

PRODUCTION LABORATORY TOTAL FRAMES

(Including those in Custom Lab going through Dissemination	28,699
--	--------

*These statistics include Custom Laboratory frames which go through Dissemination.

PRODUCT BY SIZE:

(Percentages reflect Production
Laboratory and those Custom Lab
products going through Dissemination)

	<u>PERCENT OF OVERALL PRODUCTION</u>	
	<u>September</u>	<u>October</u>
70mm B/W Film	16.92%	14.12%
9.5" B/W Paper	21.45%	23.03%
9.5" B/W Film	11.58%	8.56%
20" B/W Paper	2.15%	2.28%
30" B/W Paper	.276%	.24%
40" B/W Paper	1.63%	1.68%
5" B/W Film	.07%	0%
5" B/W Paper	0%	.004%
16mm x 100' B/W Microfilm	.593%	1.65%
All Color Products	44.30%	46.86%
All Other Products	1.031%	1.576%

STATISTICS BY PRODUCT SIZE: - Custom Laboratory Products

GOING THROUGH DISSEMINATION:

35mm Slides	544
9.5" Film	82
9.5" Paper	100
40" Paper	6
Other (Odd Size)	75

HANDCARRIED WORK ORDERS:

35mm Film	1,885
9.5" Film	29
9.5" Paper	972
20" Paper	124
30" Film	23
30" Paper	88
40" Paper	19
Odd Size	11
Color Composites (enhanced)	60
Color Composites (SDB)	2

Hand Carried Work Orders	3,213
Total Custom Lab Priorities	121
Custom Lab Frames Going Through Dissemination	807
Total Custom Lab Frames	4,020
Total Production Lab Frames	28,699
GRAND TOTAL	31,912

PRODUCT BY SIZE:

PERCENT OF OVERALL PRODUCTION

(Percentages Reflect Only
Custom Laboratory)

September

October

Going Through Dissemination:

35mm Slides (Film)	21.29 %	13.53%
9.5" Film	.238%	2.04%
70mm Film	1.52 %	0%
9.5" Paper	.048%	2.49%
20" Paper	.094%	0%
Kelsh Plates	.048%	0%
40" Paper	0%	.15%
Other (Odd Size)	1.99 %	1.87%

Hand Carried Work Orders:

35mm Film (Slides)	56.61 %	46.89%
5" Film	1.09 %	0%
9.5" Film	3.75 %	.72%
9.5" Paper	9.72 %	24.18%
20" Film	.19 %	0%
20" Paper	.048%	3.08%
30" Film	.142%	.57%
30" Paper	1.85 %	2.19%
40" Film	.142%	0%
40" Paper	.57 %	.47%
Odd Size	.66 %	.27%
Color Composites (Enhanced)	0 %	1.49%
Color Composites (SDB)	0 %	.06%

OF THE 51 CUSTOM PRODUCT ORDERS, 42 WERE HANDCARRIED.

TOTAL CUSTOM FRAMES PRODUCED FROM SUBMITTED ORDERS	126	@	\$7,200
TOTAL CUSTOM FRAMES PRODUCED FROM HANDCARRIED ORDERS	398	@	\$2,918
TOTAL CUSTOM FRAMES	<u>524</u>		
TOTAL CUSTOM DOLLAR VALUE			<u>\$10,118</u>

CUSTOM PRODUCT ORDERS FOR THE MONTH CONSISTED OF:

B/W AND COLOR ENLGT. OF PORTIONS OF FRAMES
MOSAIC QUALITY COLOR AND B/W PRODUCTS
COLOR COMPOSITE GENERATION WITH COLOR BALANCE
BETWEEN SCENES
CUSTOMER SPECIFIED ENLARGEMENT FACTORS
CUSTOMER SPECIFIED DENSITIES
COPY NEGATIVES AND POSITIVES
35mm B/W AND COLOR REDUCTIONS
B/W FILM PRODUCTS GREATER THAN 9" MATERIAL SIZE
IMAGERY FOR PAO FILE

OCTOBER

<u>PROCESS</u>	<u>GALLONS MIXED</u>	<u>COST</u>
Eastman Kodak 885	337	\$ 490
Eastman Kodak B/W Microfilm	60	\$ 31
Eastman Kodak Versaflo	0	0
GAF B/W	295	\$ 91
Eastman Kodak R-5	1,900	\$1,271
Eastman Kodak EA-5	3,368	\$3,147
Eastman Kodak ME-4/ECO-3	1,308	\$1,100
Eastman Kodak Ektaprint 3	0	0
Eastman Kodak C-22	25	\$ 55
TOTAL	7,293	\$6,185

OCTOBER 1976

CHEMICAL	% EFFICIENCY	GALLONS REGENERATED	CHEMICAL COST SAVINGS	ESTIMATED VALUE OF SILVER RECOVERED @ \$4.20/troy oz.	COMBINED DOLLAR SAVINGS
VIVIFIX	73%	185	\$ 46	\$ 96	\$ 142
VIVISTOP	100%	160	\$ 16	\$ 123	\$ 139
885 FIX	34%	90	\$ 74	\$ 368	\$ 442
EA-5 FIX	0%	0	0	\$ 343 (recovered in waste fix)	\$ 343
R-5 BLEACH/FIX	74%	140	\$ 343	\$ 108	\$ 451
EA-5 BLEACH	59%	305	\$ 991	\$ --	\$ 991
TOTAL	57%	880	\$1,470	\$1,038	GRAND TOTAL \$2,508

MONTHLY

DATE October 28, 1976

WASTEWATER ANALYSIS

Analysis # 10-00-76

PARAMETER	EPA	ACTUAL VALUE				
		AERATION	SETTLING	POLISHING A	POLISHING B	LAKE
Flow						
Temperature						
PH						
Ferrocyanide		<0.5	<0.5	<0.5	<0.5	<0.05
Total CN						
Free CN						
Fecal Coliform					0	
COD		110	85	65.5	62.0	45
BOD						
NO ₃ ⁻ (N)						
NO ₂ ⁻ (N)						
Residual Chlorine						
Br ⁻ & I ⁻		160	215	200	180	85
Total Dissolved Solids						
Total Suspended Solids						
Total Al						
Dissolved Al						
Total Ag		0.04	0.03	0.01	<0.01	<0.01
Dissolved Ag						
Boron						
Total Cr		0.02	0.15	0.05	0.02	0.01
Iron						
Total Zn		0.20	0.18	0.06	<0.01	<0.01

() = 1975 limits

[] = Discharge description

Ron Schultz
Analyst

PROCEDURE MONTHLY STATUS REPORT

MONTH OCTOBER 1976

STANDARD OPERATING PROCEDURES

	CO	CS	DP	QA	US	PH	DM	TOTAL
Total Previously Identified	4	8	3	13	25	31	14	98
Deleted This Month	0	0	0	0	0	0	0	0
New SOPs Identified This Month	0	0	0	0	0	2	0	2
Presently Identified	4	8	3	13	25	33	14	100
Total Previously Issued	4	8	2	13	22	23	11	83
Issued This Month	0	0	0	0	0	0	0	0
Total Issued	4	8	2	13	22	23	11	83
Pending	0	0	1	1	0	2	0	4
Total Requiring Action	0	0	1	0	3	10	3	17
Requiring Revision	0	0	0	0	0	0	0	0
Revised/Issued This Month *	0	3	0	0	2	0	0	5
Overdue 1st, 2nd, and Final Draft	0	0	0	2	0	6	2	10

EQUIPMENT OPERATING PROCEDURES

	CO	CS	DP	QA	US	PH	DM	TOTAL
Total Previously Identified	0	1	0	2	10	73	14	100
Deleted This Month	0	0	0	0	0	0	0	0
New EOPs Identified This Month	0	1	0	0	0	0	0	1
Presently Identified	0	2	0	2	10	73	14	101
Total Previously Issued	0	1	0	1	10	59	12	83
Issued This Month	0	0	0	1	0	0	0	1
Total Issued	0	1	0	2	10	59	12	84
Pending	0	0	0	0	0	3	0	3
Total Requiring Action	0	1	0	0	0	14	2	17
Requiring Revision	0	0	0	0	0	0	0	0
Revised/Issued This Month *	0	0	0	0	0	0	0	0
Overdue 1st, 2nd, and Final Draft	0	0	0	0	0	0	0	0

* Not included in total issued for month

QA Form No. 35 EXP.
01/76

1976 OPERATIONS QUALITY REPORT



Landsat Incoming Imagery Inspection

M O N T H	PACKAGE NUMBERS	TOTAL ROLLS				PERCENTAGE ROLLS			AVERAGE		INSPECTION COST (HOURS)					
		UNIQUE	UNIQUE + NON- UNIQUE	CUM. YR. TO DATE	REJECTED	REJECTED CUM. YR. TO DATE	REJECTED	REJECTED CUM. YR. TO DATE	ROLLS PER PKG. UNIQUE	FRAMES PER ROLL UNIQUE	TOTAL NO.		TOTAL HOURS			
											FRAMES UNIQUE	FRAMES PER MIN. UNIQUE	UNIQUE	NON- UNIQUE (3 RLS.)	PER MONTH	CUM. YEAR TO DATE
J	685- ¹³ 697	115	460	460	55	55	12%	12%	8.85	155	17,825	4.70	63.25	69.00	132.25	132.25
F	698- ¹¹ 708	116	464	924	30	85	7%	9%	10.55	157	18,412	5.01	61.20	69.33	130.53	262.78
M	709- ¹² 720	111	444	1368	35	120	8%	9%	9.25	158	17,663	5.07	52.57	58.05	110.62	373.40
A	721- ²² 742	142	568	1936	236	356	42%	18%	6.5	125	19,953	5.57	59.67	63.35	123.02	496.42
M	743- ⁰⁹ 752	134	536	2472	88	444	16%	18%	14.9	170	22,802	4.22	90.00	79.4	169.40	665.82
J	753- ²¹ 773	172	688	3160	93	537	14%	17%	14.9	206	35,393	6.06	97.30	108.00	205.30	871.12
J	774- ¹⁷ 790	130	520	3680	50	587	10%	16%	7.22	202	26,214	5.41	80.70	92.30	173.00	1044.12
A	791- ¹⁸ 808	161	644	4324	58	645	9%	15%	9.0	180	29,050	4.61	105.00	106.00	211.00	1255.12
S	809- ¹⁷ 825	123	492	4816	24	669	5%	14%	7.24	165	20,337	4.80	70.6	71.0	141.60	1396.72
O	826- ¹⁷ 842	79	316	5132	28	697	3%	14%	4.65	217	17,123	4.61	61.9	50.8	112.70	1509.42
N																
D																
TOTALS																

COMMENTS:

1976 OPERATIONS QUALITY REPORT



Landsat Incoming Imagery Inspection Rejected Rolls/Data Base Updates

M O N T H	PACKAGE NUMBERS	TOTAL ROLLS	TOTAL ROLLS REJECTED	DATA BASE UPDATES											DEFECTS																										
				QUALITY CODES								CLOUD COVER			TOTAL	DMAX - HIGH/LOW	DMIN - HIGH/LOW	RESOLUTION	UNIFORMITY	FR. NO.'S - EBR TITLING	WRONG ROLL	CINCH MARKS	KINKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES (NON SPECIFIC)	MISCELLANEOUS								
				A	B	C	D	E	F	G	H																														
				-	-	-	-	-	-	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+	-	+				
J	685-697	460	55	503	337	5	253	7	-	8	120	9	26	768	10										4																
F	698-708	464	30	676	306	10	173	61	-	12	223	43	35	3296											4											4					
M	709-720	444	35	506	496	13	172	84	-	36	212	17	50	919											4																
A	721-742	568	236	289	883	16	105	13	-	43	79	8	54	1003	4		2																								
M	743-752	536	88	499	762	4	186	65	204	48	207	14	36	1526	13									8	4									4	20	30	4	27			
J	753-773	688	93	185	638	6	159	27	74	204	287	47	20	1992	21	15																					4	8	12	6	62
J	774-790	520	50	180	752	4	382	0	217	27	76	10	237	1328											8													4			
A	791-808	644	58	303	826	7	206	9	93	37	124	40	250	1895	8										4										8		8	32	4		
S	809-825	492	24	96	702	18	141	0	83	8	110	26	83	1637	4																							4			
O	826-842	316	28	38	949	0	75	0	217	18	168	4	73	1542																								4			
N																																									
D																																									
TOTALS:																																									

COMMENTS:

- 1) Some rolls rejected for more than one defect
- 2) + = Increased Quality Code or decreased cloud cover evaluation
- 3) - = Decreased Quality Code or increased cloud cover evaluation

1976 OPERATIONS QUALITY REPORT



Incoming Aircraft Imagery Inspection U.S. Geological Survey (USGS)

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		TOTAL NUMBER FRAMES INSPECTED PER MONTH	TOTAL ROLLS REJECTED BY DEFECT													INSPECTION COST (HOURS)				
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE		DENSITY	COLOR BALANCE	RESOLUTION	DENSITY UNIFORMITY	CINCH MARKS	KINKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES (NON-SPECIFIC)	MISCELLANEOUS	TOTAL HOURS	
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																				PER MONTH	CUM. YEAR TO DATE
J	-	-	-	-	-	-	-																	-	-
F	-	-	-	-	-	-	-																	-	-
M	21	21	0	0	0	0	4,137																8.47	8.47	
A	9	30	0	0	0	0	1,648																4.00	12.47	
M	13	43	0	0	0	0	1,998																7.10	19.57	
J	53	96	0	0	0	0	7,496																14.80	34.37	
J	27	123	0	0	0	0	5,260																10.70	45.07	
A	31	154	0	0	0	0	5,138																13.8	58.87	
S	0	154	0	0	0	0	0																0	58.87	
O	4	158	0	0	0	0	299																2	60.87	
N																									
D																									
	TOTALS																								

COMMENTS:

1976 OPERATIONS QUALITY REPORT



Incoming Aircraft Imagery Inspection Johnson Manned Spacecraft Center (JSC)

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		TOTAL NUMBER FRAMES INSPECTED PER MONTH	TOTAL ROLLS REJECTED BY DEFECT													INSPECTION COST (HOURS)						
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE		DENSITY	COLOR BALANCE	RESOLUTION	DENSITY UNIFORMITY	CIRCH MARKS	KINKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES (NON-SPECIFIC)	MISCELLANEOUS	TOTAL HOURS			
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																				PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YEAR TO DATE
J	-	-	-	-	-	-	-																	-	-		
F	-	-	-	-	-	-	-																		-	-	
M	121	121	0	0	0	0	15,175																		64.92	64.92	
A	40	161	0	0	0	0	6,499																		31.75	96.67	
M	63	224	0	0	0	0	11,184																		36.30	199.30	
J	53	277	0	0	0	0	7,736																		23.30	222.60	
J	43	320	0	0	0	0	7,657																		22.50	245.10	
A	6	326	0	0	0	0	496																		5.00	250.10	
S	24	350	0	0	0	0	2,117																		14.40	264.50	
O	41	391	0	0	0	0	5,733																		35.30	299.80	
N																											
D																											
	TOTALS																										

COMMENTS:

1976 OPERATIONS QUALITY REPORT



Incoming Aircraft Imagery Inspection Ames Research Center (ARC)

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		TOTAL NUMBER FRAMES INSPECTED PER MONTH	TOTAL ROLLS REJECTED BY DEFECT														INSPECTION COST (HOURS)			
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE		DENSITY	COLOR BALANCE	RESOLUTION	DENSITY UNIFORMITY	CINCH MARKS	KINKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES (NON-SPECIFIC)	MISCELLANEOUS	TOTAL HOURS	
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																				PER MONTH	CUM. YR. TO DATE
J	-	-	-	-	-	-	-																-	-	
F	-	-	-	-	-	-	-																-	-	
M	12	12	0	0	0	0	1,399																6.45	6.45	
A	11	33	0	0	0	0	1,579																8.33	14.78	
M	13	46	0	0	0	0	2,071																6.00	20.78	
J	18	64	0	0	0	0	1,461																3.70	24.48	
J	21	85	0	0	0	0	2,308																6.30	30.78	
A	6	91	0	0	0	0	537																2.00	32.78	
S	34	125	6	0	0	0	3,160																10.00	42.78	
O	18	143	0	0	0	0	4,022																16.80	59.58	
N																									
D																									
TOTALS																									

COMMENTS:

1976 OPERATIONS QUALITY REPORT



Incoming Aircraft Imagery Inspection Agencies Other Than JSC, ARC, and USGS

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		TOTAL NUMBER FRAMES INSPECTED PER MONTH	TOTAL ROLLS REJECTED BY DEFECT													INSPECTION COST (HOURS)				
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE		DENSITY	COLOR BALANCE	RESOLUTION	DENSITY UNIFORMITY	CINCH MARKS	KIRKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES (NON-SPECIFIC)	MISCELLANEOUS	TOTAL HOURS	
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																				PER MONTH	CUM. YEAR TO DATE
J	-	-	-	-	-	-																	-	-	
F	-	-	-	-	-	-																		-	-
M	45	45	0	0	0	0	4,143																24.20	24.20	
A	45	90	0	0	0	0	6,851																71.72	95.92	
M	50	140	0	0	0	0	12,293																34.9	130.82	
J	20	160	0	0	0	0	998																3.0	133.82	
J	44	204	0	0	0	0	6,063																17.7	151.52	
A	53	257	0	0	0	0	4,098																19.0	170.52	
S	55	312	0	0	0	0	9,958																59.5	230.02	
O	11	323	0	0	0	0	2,106																13.8	243.82	
N																									
D																									
TOTALS																									

COMMENTS:

INCOMING IMAGERY INSPECTION

LEGEND:

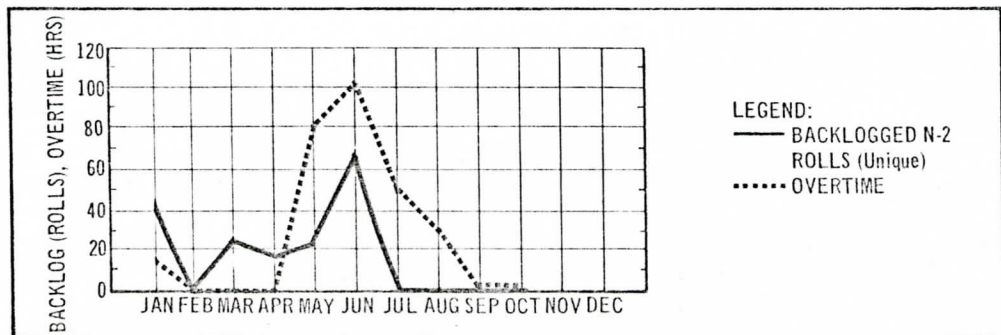
— NO. FRAMES
 - - - NO. ROLLS

1. Plus 2 summer temps (May 17 and 24)
2. One full time inspector left
3. Roll data includes microfilm, frame data does not

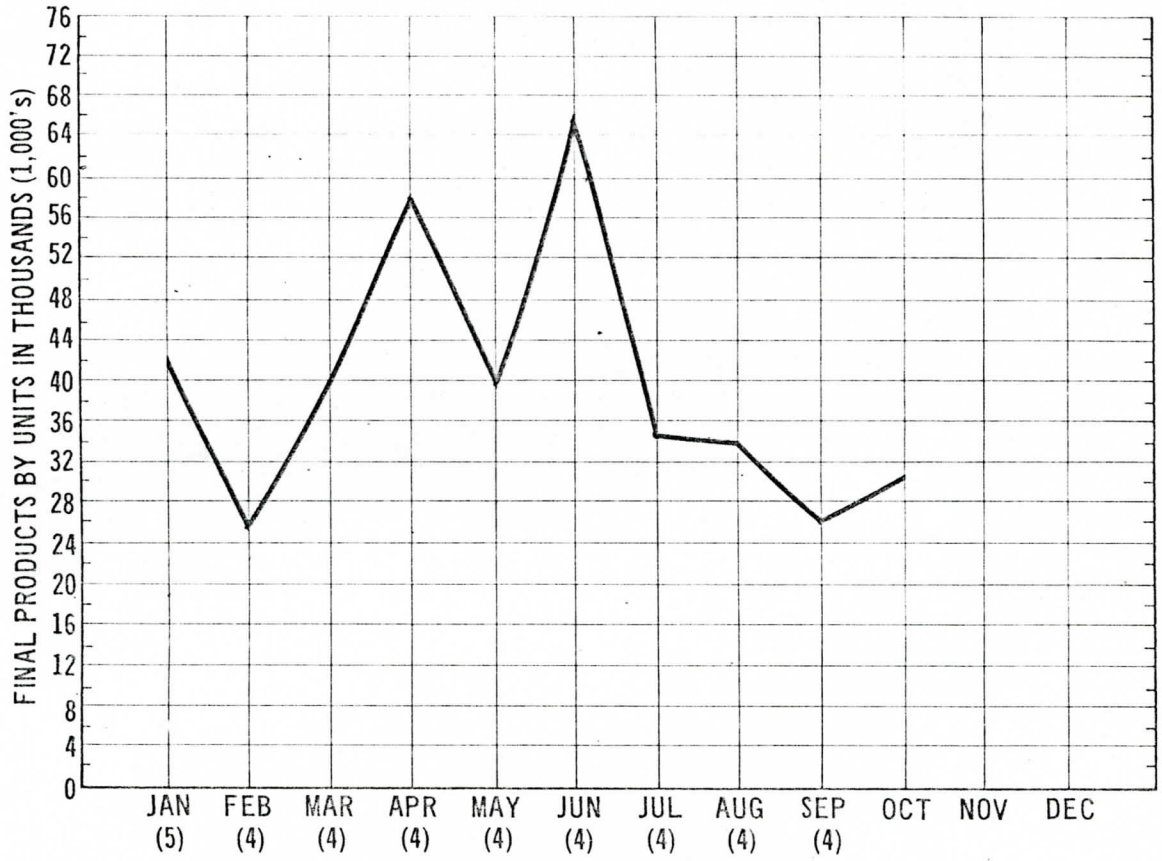


*Number in parenthesis are total inspectors

*Supervisor, Product Inspection not included in these times

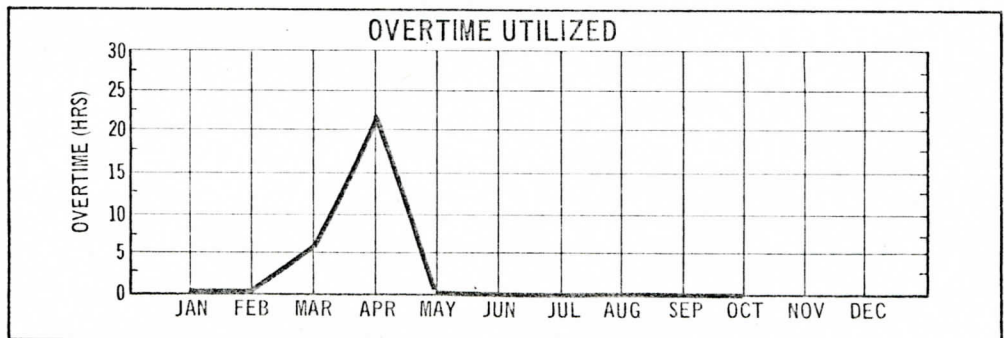


FINAL PRODUCT INSPECTION



*Number in parenthesis are total inspectors

*Supervisor, Product Inspection not included in these times



1976 OPERATIONS QUALITY REPORT



Landsat Intermediate P-3 Imagery Inspection

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		ARCHIVALS REMADE FOR		TOTAL ROLLS REJECTED BY DEFECT														INSPECTION COST (HOURS)			
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE	SCRAT.	OTHER	DNAX - HIGH/LOW	DMIN - HIGH/LOW	RESOLUTION	UNIFORMITY	CINCH MARKS	KINKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	NON-SPECIFIC	MISCELLANEOUS	TOTAL ROLLS	
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																					PER MONTH	CUM. YEAR TO DATE
J	373	373	117	117	31%	31%	17	-														27	90			
F	188	561	20	137	11%	24%	20	-														3	17			
M	400	961	139	276	35%	29%	100	-														8	131			
A	503	1464	106	382	21%	26%	109	-														16	90			
M	291	1755	77	459	27%	26%	40	-														77	27.1	27.1		
J	348	2103	54	513	16%	24%	38	-	25	9										7	1	13	114.0	141.1		
J	290	2393	43	556	15%	23%	58	-	14	9	2				1		2		1	2		12	88.6	229.7		
A	246	2639	34	590	14%	22%	119	-	13	14		1			1					1		2	4	88.0	317.7	
S	297	2936	58	648	20%	22%	22	-	30	4	1	1			3				1	16		2	62.0	379.7		
O	367	3303	41	689	11%	21%	4	-	10	20		1			3					1		1	5	82.0	461.7	
N																										
D																										
	TOTALS																									

COMMENTS:

1976 OPERATIONS QUALITY REPORT

Landsat Intermediate N-4 Imagery Inspection

M O N T H	TOTAL ROLLS				PERCENTAGE ROLLS REJECTED		ARCHIVALS REMADE FOR		TOTAL ROLLS REJECTED BY DEFECT														INSPECTION COST (HOURS)			
	INSPECTED		REJECTED		PER MONTH	CUM. YR. TO DATE	SCRAT.	OTHER	DMAX - HIGH/LOW	DMIR - HIGH/LOW	RESOLUTION	UNIFORMITY	GIRCH MARKS	KIRKS AND ABRASIONS	PRINTED BACKWARDS	OFF TRACK	SLIPPAGE	CHEMICAL SPOTS	FILM DEFECT	PRINTED DIRT	SCRATCHES (BASE)	SCRATCHES (EMULSION)	SCRATCHES HIGH-RESOL	MISCELLANEOUS	TOTAL ROLLS	
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE																					PER MONTH	CUM. YEAR TO DATE
	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YR. TO DATE	PER MONTH	CUM. YEAR TO DATE	PER MONTH	CUM. YEAR TO DATE															PER MONTH	CUM. YEAR TO DATE
J	229	229	113	113	49%	49%	11	-														27	86			
F	206	435	116	229	56%	52%	78	-														36	80			
M	285	720	77	306	27%	41%	144	-														18	59			
A	332	1052	124	430	37%	41%	137	-														59	65			
M	172	1224	34	464	20%	38%	180	-														34		29.1	29.1	
J	225	1396	54	418	24%	37%	110	-	15											14		23		67.9	97.0	
J	181	1577	62	480	34%	30%	112	-	23	1							2			29	4	6		50.35	147.35	
A	219	1796	108	588	49%	33%	202	-	45	2	2	5					2			28		6	23	82.0	229.35	
S	77	1873	26	614	34%	33%	30	-	23			2								1				25.0	254.35	
O	11	1884	8	622	73%	33%	6	-	4	5	2													14.0	268.35	
N																										
D																										
	TOTALS:																									

COMMENTS: * Some rolls rejected for multiple defects.

1976 OPERATIONS QUALITY REPORT



Customer Quality Complaints

M O N T H	TOTAL RECEIVED FOR MONTH	RETURNED TO CUSTOMER RELATIONS	VALID COMPLAINTS FOR MONTH	INVALID COMPLAINTS FOR MONTH	PERCENTAGE VALID FOR MONTH	PERCENTAGE INVALID FOR MONTH	AVERAGE CUM. YR. TO DATE	TOTAL RECEIVED CUM. YR. TO DATE	COMPLAINT EVALUATION COST (HRS)		
									AVERAGE HRS. PER COMPLAINT	TOTAL HRS. FOR MONTH	TOTAL HRS. CUM. YR. TO DATE
J	31	-	25	6	81%	19%	31	31	1.6	19.0	19.0
F	34	-	27	7	79%	21%	32.5	65	2.3	15.0	34.0
M	32	-	27	5	84%	16%	32.3	97	2.9	11.0	45.0
A	26	9	12	5	46%	19%	30.8	123	3.35	7.75	52.75
M	33	5	17	11	52%	33%	31.2	156	3.0	11.0	63.75
J	25	4	17	4	68%	16%	30.17	181	3.3	7.5	71.75
J	25	1	16	9	64%	36%	29.42	206	2.5	10.0	81.75
A	25	1	15	9	60%	36%	28.88	231	2.5	10.0	91.75
S	17	1	12	4	71%	24%	27.56	248	3.9	4.35	96.10
O	21	-	15	6	72%	29%	26.9	269	2.8	7.5	103.60
N											
D											
	TOTALS										

COMMENTS:

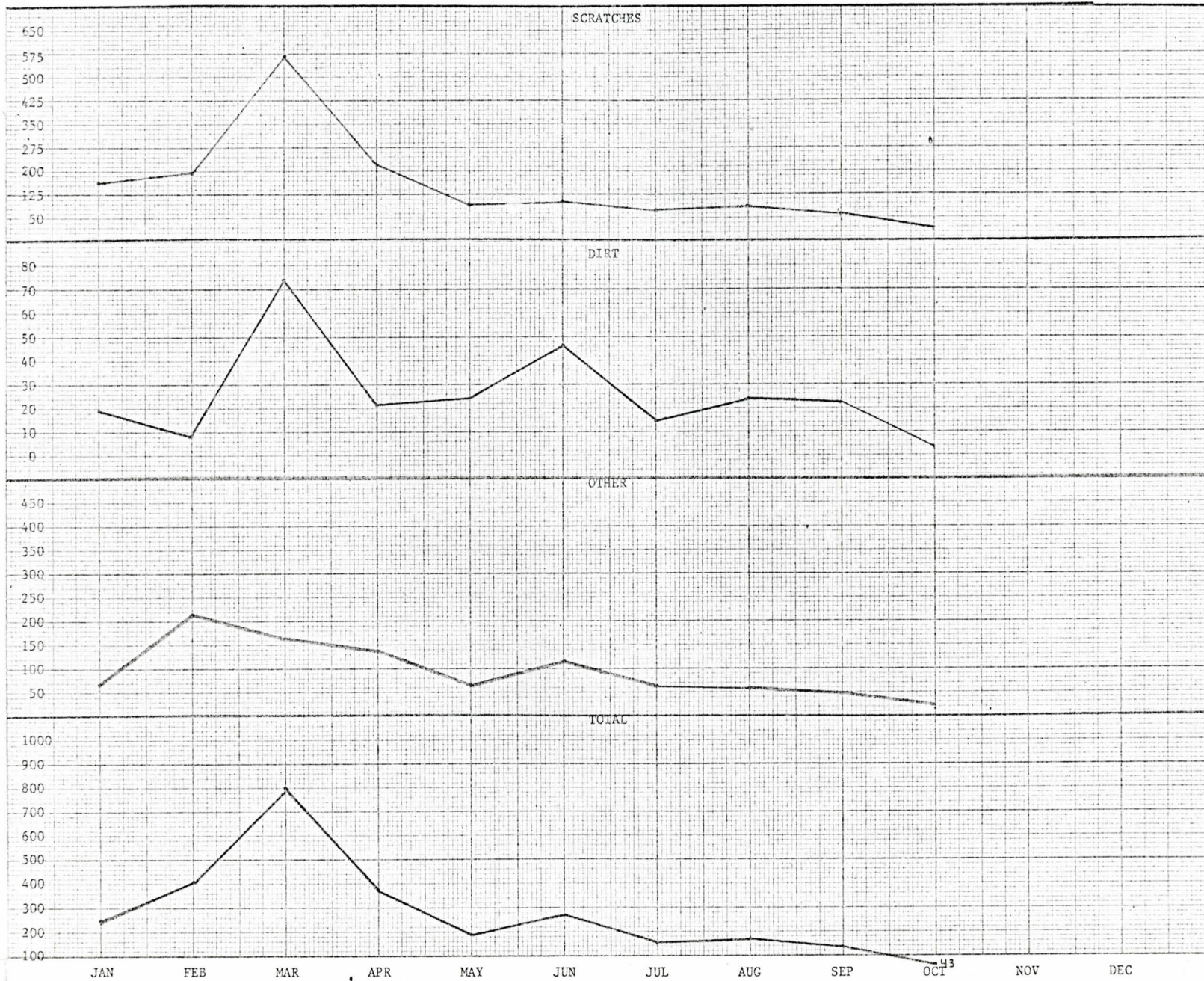
OCTOBER
 QUALITY LETTERS SENT TO CUSTOMERS
 Image Type versus Defects

	<u>LANDSAT</u>	<u>SKYLAB</u>	<u>NASA JSC/Ames</u>	<u>USGS</u>	<u>Other Agencies</u>	<u>Total by Defect</u>
Scratches	12 (28%)	1 (2%)	3 (7%)	3 (7%)	1 (2%)	20 (47%)
Dirt	4 (9%)	0	0	0	0	4 (9%)
Other	14 (33%)	2 (5%)	0	3 (7%)	0	19 (44%)
Total by Image Type	30 (70%)	3 (7%)	3 (7%)	6 (14%)	1 (2%)	43 (100%)

NOTE: Numbers in parenthesis are percentages.

* This category (other) covers a variety of defects; labeling, static, fog, vignetting, border defects, bit slips, torn images, etc.

QUALITY LETTERS



1976 EXECUTIVE QUALITY REPORT



Product Inspection Hours Report - Incoming Inspection System

M O N T H	1 TOTAL INSPECTION HOURS EXPENDED BY AGENCY/IMAGERY TYPE									2 INSPECTION HOURS EXPENDED (OTHER DUTIES)			
	LANDSAT N-2	LANDSAT P-3	LANDSAT N-4	JSC	AMES	USGS	OTHER AIRCRAFT	MICRO- FILM	TOTAL	SPECIAL PROJECTS	MISC.	MISC.	TOTAL
J	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-
M	-	-	-	-	-	-	-	-	-	-	-	-	-
A	-	-	-	-	-	-	-	-	-	-	-	-	-
M	169.40	27.10	29.10	36.30	6.00	7.10	34.90	1.00	310.90	150.00 ³	162.0 ²	41.25 ¹	353.25
J	205.30	114.00	67.90	23.30	3.70	14.80	3.00	3.70	435.70	111.00 ⁴	162.0 ²	41.25 ¹	314.25
J	173.00	88.60	50.35	22.50	6.30	10.70	17.70	3.30	327.45	95.00	162.0 ²	41.25 ¹	298.25
A	211.00	88.00	82.00	5.00	2.00	13.80	19.00	0.85	421.65	00.00	162.0 ²	41.25 ¹	203.25
S	141.60	62.00	25.00	14.4	10.00	0	59.5	0	312.50	67.00	162.0 ²	41.25 ¹	270.25
O	112.70	82.00	14.00	35.3	16.8	2.0	13.8	3.25	279.85	52.00	162.00 ²	41.25 ¹	255.25
N													
D													
TOTALS													

- COMMENTS:
1. Ann Williscroft's 25% secretarial duties, considered a constant from month to month.
 2. The miscellaneous duties supporting incoming inspection such as:
 - a) logging in new packages; b) time between rolls; c) checking final product scratches;
 - d) checking inputs; e) data base updates; f) canning, cutting, shelving, and tracking Landsat imagery; and g) checking red dots for scheduling considered a constant from month to month.
 3. Includes 150.00 hours for aircraft imagery inspection system revision.
 4. Includes scratch test monitoring, BLM, and Idaho Flood Projects.

1976 EXECUTIVE QUALITY REPORT



Product Inspection Hours Report - Incoming Inspection System

M O N T H	3 MISCELLANEOUS DEDUCTIBLE HOURS									4 NORMAL PRODUCTIVE HOURS AVAILABLE 7.5 X # DAYS	# DAYS	5 TOTAL NORMAL PRODUCTIVE HOURS AVAILABLE #4 X INSP.	# INSPECTORS
	VACATION	PERSONAL BUSINESS	HOLIDAYS	ADMINISTRATIVE	SICK	MEETINGS	TRAVEL/ TRAINING	MISC.	TOTAL				
J	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-
M	-	-	-	-	-	-	-	-	-	-	-	-	-
A	-	-	-	-	-	-	-	-	-	-	-	-	-
M	80.00	24.00	56.00	0	32.00	19.75	63.48 ¹	LWOP 9.00	284.23	157.50	21	1,102.50	7
J	80.00	28.00	0	0	16.00	15.00	92.52 ¹	LWOP 160.00	391.52	165.00	22	1,435.00	9
J	208.00	16.00	64.00	0	20.00	8.25	92.55 ¹	4.0	412.80	165.00	22	1,320.00	8
A	120.00	12.00	0	15.00	40.00	6.00	40.00 ¹	90.00 ²	323.00	165.00	22	1,320.00	8
S	16.00	4.00	0	46.50	36.50	2.50	166.00 ¹	168.00	439.5	165.00	22	1,155.00	7
O	24.00	8.00	112.0	4.0	40.00	5.5	72.0 ¹	98.00	363.5	157.5	21	1,102.5	7
N													
D													
	TOTALS												

LWOP - Leave Without Pay


- COMMENTS:
1. This includes an estimated constant inspector training period for both instructor and trainee of 5% considered a constant from month to month. This category also includes any formal training.
 2. 80 hours military leave plus 10.0 hours summer temp. off.

1976 EXECUTIVE QUALITY REPORT

Product Inspection Hours Report - Incoming Inspection System

M O N T H	⑥ OVERTIME EXPENDED	⑦ ADDITIONAL HELP PART TIME INSP.	⑧ TOTAL PRODUCTIVE HOURS AVAILABLE ADD 5-6-7	⑨ ACTUAL PRODUCTIVE HOURS ADD 1-2-3	⑩ SUBTRACT #s 1, 2, & 3 FROM #8	⑪ SUBTRACT EFFICIENCY RATE (80%) .2 X # 8	⑫ HOURS UNACCOU- TED FOR. SUBTRACT FROM # 10
J	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-
M	-	-	-	-	-	-	-
A	-	-	-	-	-	-	-
M	80.0	72.00	1,254.50	948.38	306.12	250.90	-55.22
J	105.35	0 ¹	1,590.35	1,141.47	448.88	318.07	-130.81
J	51.00	0	1,371.00	1,038.50	332.50	274.20	-58.30
A	27.25	0	1,347.25	947.90	399.35	269.45	-129.90
S	0	0	1,155.00	1,022.25	132.75	231.00	+ 98.25
O	0	0	1,102.50	898.60	203.90	99.50	- 16.60
N							
D							
TOTALS							

COMMENTS:
1. 2 summer temps now included in regular hours.

1976 EXECUTIVE QUALITY REPORT 

Product Inspection Hours Report - Final Product Inspection System

1) INSPECTION HOURS BY PRODUCT SIZE/TYPE													
M O N T H	70mm	9" B & W FILM	9" COLOR PAPER	20" COLOR PAPER	30" COLOR PAPER	40" COLOR PAPER	9" COLOR FILM	9" B & W PAPER	20" B & W PAPER	30" B & W PAPER	40" B & W PAPER	OTHER	TOTAL
J	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-
M	42.2	41.2	20.5	6.5	0.5	7.5	26.7	47.7	15.1	3.5	14.5	79.2	305.1
A	80.5	56.1	21.5	7.5	UK	14.7	31.5	51.7	25.2	6.4	11.7	20.2	325.0
M	23.3	41.1	44.9	10.5	0	10.6	16.2	59.1	21.0	2.0	10.4	38.0	277.1
J	30.08	39.3	32.9	7.5	0.5	6.4	22.3	63.0	17.7	2.5	15.9	20.7	258.78
J	26.3	41.1	6.5	6.2	1.8	5.6	19.7	53.0	12.0	2.1	10.8	25.5	210.6
A	43.2	39.7	14.4	4.2	0.1	6.8	14.7	48.0	14.2	2.2	10.2	41.6	239.3
S	27.6	31.3	10.4	4.4	0.3	4.4	31.5	33.3	11.4	2.4	8.9	14.9	180.8
D	18.1	25.6	20.7	3.9	0.7	7.5	25.1	26.4	7.9	2.0	8.1	26.9	172.9
N													
D													
TOTAL													
<u>COMMENTS:</u>													

1976 EXECUTIVE QUALITY REPORT



Product Inspection Hours Report - Final Product Inspection System

M O N T H	2) INSPECTION HOURS EXPENDED (OTHER DUTIES)				3) MISCELLANEOUS DEDUCTIBLE HOURS								
	CUSTOMER COMPLAINTS	SPECIAL PROJECTS	MISC.	TOTAL	VACATION	PERSONAL BUSINESS	HOLIDAYS	ADMINIS-TRATIVE	SICK	MEETINGS	TRAVEL/ TRAINING	MISC.	TOTAL
J	-	-	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-	-	-
M	15.0	UK	UK	15.0	13.5	4.0	0	0	0	10.0	0	0	27.5
A	11.0	UK	UK	11.0	128.0	0	0	0	16.0	14.0	0	0	158.0
M	7.75	UK	UK	7.75	8.0	28.0	32.0	0	12.0	15.25	0	0	95.25
J	11.0	UK	UK	11.0	8.0	20.0	0	0	28.0	20.0	42.0	0	118.00
J	7.75	UK	UK	7.75	96.0	8.0	32.0	0	4.0	12.5	0	0	152.50
A	10.0	UK	UK	10.0	48.0	12.0	0	0	12.0	18.0	0	0	90.00
S	4.3	UK	UK	4.3	8.0	12.0	0	0	32.0	7.0	13.0	69.0	141.00
O	7.5	8.0	60.5	76.0	0	16.0	48.0	0	24.0	9.5	70.0	5.0	172.5
N													
D													
TOTAL													
COMMENTS:													

1976 EXECUTIVE QUALITY REPORT

Product Inspection Hours Report - Final Product Inspection System

M O N T H	4 NORMAL PRODUCTIVE HOURS AVAILABLE 7.5 X #DAYS	#DAYS	5 TOTAL NORMAL PRODUCTIVE HOURS AVAILABLE #4 X #INSP.	#INSPECTORS	6 OVERTIME EXPENDED	7 ADDITIONAL HELP PARTTIME HELP ADD OR SUBT.	8 TOTAL PRODUCTIVE HOURS AVAILABLE ADD 5-6-7	9 ACTUAL PRODUCTIVE HOURS ADD 1-2-3	10 SUBTRACT #S 1, 2, & 3 FROM #8	11 SUBTRACT EFFICIENCY RATE (80%) .2 X #8,	12 HOURS UNACCOU- NTED FOR SUBTRACT FROM #10
J	-	-	-	-	-	-	-	-	-	-	-
F	-	-	-	-	-	-	-	-	-	-	-
M	172.5	23	690.0	4	5.5	0	695.5	347.9	347.9	139.10	-208.80
A	165.0	22	660.0	4	17.0	0	677.0	496.0	181.0	135.40	- 45.60
M	157.5	21	530.0	4	0	0	630.0	380.10	249.9	126.00	-123.90
J	165.0	22	660.0	4	16.0	0	676.0	387.78	288.22	135.20	-153.02
J	165.0	22	660.0	4	0	0	660.0	370.85	289.15	132.00	-157.15
A	165.0	22	660.0	4	0	0	660.0	339.30	320.7	132.00	-188.70
S	165.0	22	660.0	4	0	0	660.0	326.1	333.9	132.00	-201.90
O	157.5	21	472.5	3	0	104.0	576.5	421.4	155.1	115.3	- 39.8
N											
D											
TOTAL											
COMMENTS:											