Wu

INTERNATIONAL ULTRAVIOLET EXPLORER

THREE AGENCY

INFORMATION INTERCHANGE

APRIL 1980

INTRODUCTION

The International Ultraviolet Explorer (IUE) satellite system is a cooperative program between the European Space Agency (ESA), the United Kingdom Science Research Council (SRC), and the United States National Aeronautics and Space Administration (NASA).

Observations using the spaceborne telescope are made for sixteen hours each day from the observatory at NASA's Goddard Space Flight Center near Washington, DC, in the United States; and for eight hours each day from the ESA observatory facility at Villafranca del Castillo, near Madrid, in Spain.

Day to day functioning of the system, as well as dissemination of the scientific data obtained from it, require that considerable information must be exchanged between the three agencies involved.

Since the beginning of the IUE program, the required information exchanges have evolved to meet the changing needs. Much has been documented, some has not. As a result, it was decided at the "Three Agency Meeting" at Villafranca del Castillo in November 1979, that NASA would assume the responsibility of compiling a document to define the required information exchanges. The document would be supplied to the IUE management of ESA and SRC for their comment and agreement.

This is that document. Its acceptance by the three agencies is indicated by the signatures on the "Concurrence" page.

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CONCURRENCE

This document identifies the operational and data dissemination information products which are exchanged between the United Kingdom Science Research Council, the European Space Agency, and the United States National Aeronautics and Space Administration as part of the International Ultraviolet Explorer program; and, where appropriate, defines the form of those information products.

It is agreed that any changes in those products, or the form thereof, will be implemented only by a mutually approved correction or supplement to the document.

For the National Aeronautics and Space Administration:

J. P. Corrigan 4/14/80

J. Patrick Corrigan Date
Project Manager

Albert Boggess Date
Project Scientist

For the European Space Agency:

May 13 1980

Brian Fitton Date
ESA Project Manager

Michael Penston 22/4/80

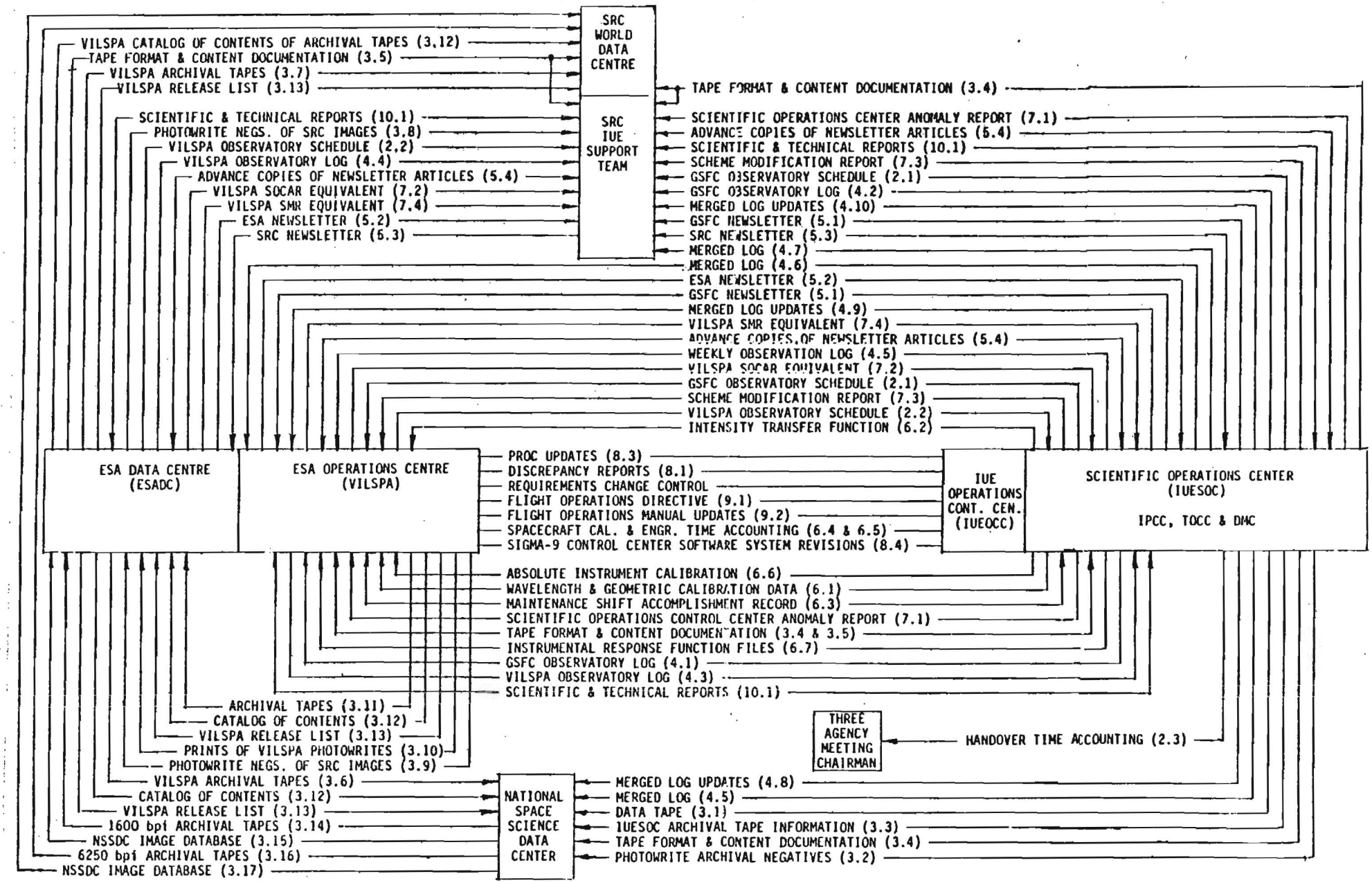
Michael V. Penston Date
ESA Project Scientist

For the Science Research Council:

24 Apr 80

M.C.W. Sandford Date
IUE Support Team Leader

P J Barker Date
Project Manager



IUE THREE AGENCY
INFORMATION INTERCHANGE

FLOW DIAGRAM

SUMMARY BY INFORMATION ITEM

	INFORMATION ITEM	FROM	TO	FORMAT	FREQUENCY
OBSERVATORY SCHEDULES					
2.1	GSFC Observatory Schedule	IUESOC (TOCC)	VILSPA SRC (TEAM)	Typewritten	3 Months
2.2	VILSPA Observatory Schedule	VILSPA	IUESOC (TOCC) SRC (TEAM)	Typewritten	3 Months
2.3	Handover Time Accounting	IUESOC (TOCC)	3 Agency Mtg. Prog. Chrm.	Typewritten	Each 3 Agency Meeting
ARCHIVAL DATA					
3.1	Archival Data Tape	IUESOC (DMC)	NSSDC	Tape	4 Weeks
3.2	Photowrite Archival Negatives	IUESOC (DMC)	NSSDC	Negative	4 Weeks
3.3	IUESOC Tape Information	IUESOC (DMC)	NSSDC	Printout & Tape	4 Weeks
3.4	Documentation on Formats & Contents of Standard IUE Data Tapes as a Function of Time	IUESOC (IPCC)	NSSDC VILSPA SRC (TEAM) SRC (WDC)	Written Document	When Modified
3.5	Documentation on Formats & Contents of Standard VILSPA Data Tapes as a Function of Time	VILSPA	IUESOC (IPCC) NSSDC SRC (TEAM) SRC (WDC)	Written Document	When Modified
3.6	Archival Data Tapes from the ESA Data Centre to the NSSDC	ESADC	NSSDC	Tape	Monthly
3.7	Archival Data Tapes from the ESA Data Centre to the SRC Data Centre	ESADC	SRC (WDC)	Tape	Monthly

SUMMARY BY INFORMATION ITEM

	INFORMATION ITEM	FROM	TO	FORMAT	FREQUENCY
3.8	Photowrite Negatives of SRC Images	ESADC	SRC (TEAM)	Negative	Monthly
3.9	Photowrite Negatives of ESA Images	VILSPA	ESADC	Negative	As Gen.
3.10	Contact Prints of Photowrite Negatives of all VILSPA Images	VILSPA	ESADC	Print	As Gen.
3.11	Archival Data Tapes from the VILSPA Operations Centre to the ESA Data Centre	VILSPA	ESADC	Tape	As Gen.
3.12	VILSPA Catalog of Contents of Archival Tapes	VILSPA	NSSDC SRC (WDC) ESADC	Tape & Listing	Monthly
3.13	VILSPA Release Lists	VILSPA	NSSDC SRC (WDC) ESADC	Typewritten	Monthly
3.14	Archival Data Tapes from the NSSDC to the ESA Data Centre	NSSDC	ESADC	Tape	As Avail.
3.15	Image Database, NSSDC to ESA Data Centre	NSSDC	ESADC	Listing	With Tapes
3.16	Archival Data Tapes from the NSSDC to the SRC Data Centre	NSSDC	SRC (WDC)	Tape	As Avail
3.17	Image Database, NSSDC to SRC Data Centre	NSSDC	SRC (WDC)	Listing	With Tapes
LOGS					
4.1	GSFC Observatory Log to VILSPA	IUESOC (DMC)	VILSPA	Listing & Tape	Monthly

SUMMARY BY INFORMATION ITEM

	INFORMATION ITEM	FROM	TO	FORMAT	FREQUENCY
4.2	GSFC Observatory Log to SRC Support Team	IUESOC (DMC)	SRC (TEAM)	Listing & Tape	Monthly
4.3	VILSPA Observatory Log to IUESOC	VILSPA	IUESOC (DMC)	Listing & Tape	Monthly
4.4	VILSPA Observatory Log to the SRC Support Team	VILSPA	SRC (TEAM)	Listing	Monthly
4.5	Merged Log, IUESOC to NSSDC	IUESOC (DMC)	NSSDC	Microfiche Pos. & Tape	Annually in May
4.6	Merged Log, IUESOC to ESA Data Centre	IUESOC (DMC)	ESADC	Microfiche Neg., Tape & Listing	Annually in May
4.7	Cumulative Merged Log from Launch, IUESOC to SRC Support Team	IUESOC (DMC)	SRC (TEAM)	Microfiche Neg., Tape & Listing	Annually in May
4.8	Merged Log Updates, IUESOC to NSSDC	IUESOC (DMC)	NSSDC	Tape & Listing	Bi-Monthly
4.9	Merged Log Updates, IUESOC to VILSPA	IUESOC (DMC)	VILSPA	Tape & Listing	Bi-Monthly
4.10	Merged Log Updates, IUESOC to SRC Support Team	IUESOC (DMC)	VILSPA	Tape & Listing	Bi-Monthly
4.11	Weekly Observation Log	IUESOC (TOCC)	VILSPA	Printout	Weekly
NEWSLETTERS					
5.1	GSFC Newsletter	IUESOC	GSFC Sci. VILSPA Distr. SRC (TEAM)	Document	Bi-Monthly

SUMMARY BY INFORMATION ITEM

	INFORMATION ITEM	FROM	TO	FORMAT	FREQUENCY
5.2	ESA Newsletter	ESADC	ESA Sci. GSFC Distr. SRC (TEAM)	Document	Quarterly
5.3	SRC Newsletter	SRC (TEAM)	SRC Sci. GSFC Distr. VILSPA Distr.	Document	Quarterly
5.4	Copies of Relevant Articles for any Agency Newsletter	Originator	IUESOC VILSPA SRC (TEAM)	Article	As Gen.
CALIBRATIONS					
6.1	Wavelength & Geometric Calibration Data	IUESOC (DMC)	ESADC	Tape & Comment	As Need Arises
6.2	Intensity Transfer Function	IUESOC (DMC)	ESADC	Tape & Comment	As Need Arises
6.3	Maintenance Shift Accomplishment Records	IUESOC (DMC) or VILSPA	VILSPA or IUESOC (DMC)	Memorandum	At End of Shift
6.4	Spacecraft Calibration & Engineering Time Accounting	IUEOCC	VILSPA	Memorandum	Monthly
6.5	Spacecraft Calibration & Engineering Time Accounting	VILSPA	IUEOCC	Memorandum	Monthly
6.6	Absolute Instrument Calibration	IUESOC (DMC)	VILSPA	Tape	As Gen.
6.7	Instrumental Response Function Files	IUESOC (DMC)	VILSPA	Tape	As Need Arises
SPECTRAL IMAGE PROCESSING SYSTEM					
7.1	Scientific Operations Center Anomaly Report	IUESOC (IPCC)	VILSPA SRC (TEAM)	Std. Form	Monthly

SUMMARY BY INFORMATION ITEM

	INFORMATION ITEM	FROM	TO	FORMAT	FREQUENCY
7.2	VILSPA SOCAR Equivalent	VILSPA	IUESOC (IPCC) SRC (TEAM)	Std. Form	Monthly
7.3	Scheme Modification Report	IUESOC (IPCC)	VILSPA SRC (TEAM)	Std. Form	Monthly
7.4	VILSPA Equivalent of SMR	VILSPA	IUESOC (IPCC) SRC (TEAM)	Std. Form	Monthly
OPERATIONAL SOFTWARE CHANGES					
8.1	Discrepancy Report	IUEOCC	VILSPA	Std. Form	As Req'd.
8.2	Requirement Change Control	IUEOCC	VILSPA	Std. Form	As Req'd.
8.3	Operations Procedures (PROC) Updates	IUEOCC	VILSPA	Tape	As Ready
8.4	Sigma-9 Control Center Software System Revisions	IUEOCC	VILSPA	Tape	As Ready
FLIGHT OPERATIONS MANUAL					
9.1	Flight Operations Directives	IUEOCC	VILSPA	Std. Form	As Req'd.
9.2	Flight Operations Manual Updates	IUEOCC	VILSPA	Pages	As Gen.
SCIENTIFIC & TECHNICAL REPORTS					
10.1	Scientific & Technical Reports	Original Agency	Other 2 Agencies	Reports	As Gen.

SUMMARY BY LOCATION		FROM	TO
IUESOC (TOCC)			
2.1	GSFC Observatory Schedule		VILSPA SRC (TEAM)
2.2	VILSPA Observatory Schedule	VILSPA	
2.3	Handover Time Accounting		3 Agency Mtg. Prog. Chrmn.
4.11	Weekly Observation Log		VILSPA
IUESOC (IPCC)			
3.4	Documentation on Formats & Contents of Std. Tapes as a Function of Time		NSSDC VILSPA SRC (TEAM) SRC (WDC)
3.5	Documentation on Formats & Contents of Std. Tapes as a Function of Time	VILSPA	
7.1	Scientific Operations Center Anomaly Report		VILSPA SRC (TEAM)
7.2	VILSPA SOCAR Equivalent	VILSPA	
7.3	Scheme Modification Report		VILSPA SRC (TEAM)
7.4	VILSPA Equivalent of SMR	VILSPA	
IUESOC (DMC)			
3.1	Archival Data Tape		NSSDC
3.2	Photowrite Archival Negatives		NSSDC
3.3	IUESOC Tape Information		NSSDC
4.1	GSFC Observatory Log to VILSPA		VILSPA
4.2	GSFC Observatory Log to SRC Support Team		SRC (TEAM)
4.3	VILSPA Observatory Log to IUESOC	VILSPA	
4.5	Merged Log, IUESOC to NSSDC		NSSDC

SUMMARY BY LOCATION		FROM	TO
IUESOC (DMC) (continued)			
4.6	Merged Log, IUESOC to ESA Data Centre		ESADC
4.7	Cumulative Merged Log from Launch, IUESOC to SRC Support Team		SRC (TEAM)
4.8	Merged Log Updates, IUESOC to NSSDC		NSSDC
4.9	Merged Log Updates, IUESOC to VILSPA		VILSPA
6.1	Wavelength & Geometric Calibration Data		ESADC
6.2	Intensity Transfer Function		ESADC
6.3	Maintenance Shift Accomplishment Records	VILSPA	VILSPA
6.6	Absolute Instrument Calibration		VILSPA
6.7	Instrumental Response Function Files		VILSPA
IUESOC			
5.1	GSFC Newsletter		GSFC Sci. VILSPA Distr. SRC (TEAM)
5.4	Copies of Relevant Newsletter Articles	VILSPA SRC (TEAM)	VILSPA SRC (TEAM)
10.1	Scientific & Technical Reports	Other 2 Agencies	Other 2 Agencies
IUEOCC			
6.4	Spacecraft Calibration & Engineering Time Accounting		VILSPA
6.5	Spacecraft Calibration & Engineering Time Accounting	VILSPA	
8.1	Discrepancy Reports		VILSPA

SUMMARY BY LOCATION		FROM	TO
IUEOCC (continued)			
8.2	Requirement Change Control		VILSPA
8.3	Operations Procedures (PROC) Updates		VILSPA
8.4	Sigma-9 Control Center Software System Revisions		VILSPA
9.1	Flight Operations Directives		VILSPA
9.2	Flight Operations Manual Updates		VILSPA
NSSDC			
3.1	Archival Data Tapes	IUESOC (DMC)	
3.2	Photowrite Archival Negatives	IUESOC (DMC)	
3.3	IUESOC Tape Information	IUESOC (DMC)	
3.4	Documentation on Formats & Contents of Std. Data Tapes as a Function of Time	IUESOC (IPCC)	
3.5	Documentation on Formats & Contents of Std. Data Tapes as a Function of Time	VILSPA	
3.6	Archival Data Tapes from the ESA Data Centre	ESADC	
3.12	VILSPA Catalog of Contents of Archival Tapes	VILSPA	
3.13	VILSPA Release Lists	VILSPA	
3.14	Archival Data Tapes		ESADC
3.15	Image Database		ESADC
3.16	Archival Data Tapes		SRC (WDC)
3.17	Image Database		SRC (WDC)
4.5	Merged Log	IUESOC (DMC)	
4.8	Merged Log Updates	IUESOC (DMC)	

SUMMARY BY LOCATION		FROM	TO
VILSPA			
2.1	GSFC Observatory Schedule	IUESOC (TOCC)	
2.2	VILSPA Observatory Schedule		IUESOC (TOCC) SRC (TEAM)
3.4	Documentation on Formats & Std. IUE Data Tapes as a Function of Time	IUESOC (IPCC)	
3.5	Documentation on Formats & Std. IUE Data Tapes as a Function of Time		IUESOC (IPCC) NSSDC SRC (TEAM)
3.9	Photowrite Negatives of ESA Images		ESADC
3.10	Contact Prints of Photowrite Negatives of all VILSPA Images		ESADC
3.11	Archival Data Tapes		ESADC
3.12	Catalog of Contents of Archival Tapes		NSSDC SRC (WDC) ESADC
3.13	VILSPA Release Lists		NSSDC SRC (WDC) ESADC
4.1	GSFC Observatory Log	IUESOC (DMC)	
4.3	VILSPA Observatory Log to IUESOC		IUESOC (DMC)
4.4	VILSPA Observatory Log to SRC Support Team		SRC (TEAM)
4.9	Merged Log Updates	IUESOC (DMC)	
4.11	Weekly Observation Log	IUESOC (TOCC)	
5.4	Copies of Relevant Articles for any Agency Newsletter		IUESOC SRC (TEAM)
6.3	Maintenance Shift Accomplishment Records	IUESOC (DMC)	IUESOC (DMC)
6.4	Spacecraft Calibration & Engineering Time Accounting	IUEOCC	

SUMMARY BY LOCATION		FROM	TO
VILSPA (continued)			
6.5	Spacecraft Calibration & Engineering Time Accounting		IUEOCC
6.6	Absolute Instrument Calibration	IUESOC (DMC)	
6.7	Instrumental Response Function Files	IUESOC (DMC)	
7.1	Scientific Operations Center Anomaly Report	IUESOC (IPCC),	
7.2	VILSPA SOCAR Equivalent		IUESOC (IPCC) SRC (TEAM)
7.3	Scheme Modification Report	IUESOC (IPCC)	
7.4	VILSPA Equivalent of SMR		IUESOC (IPCC) SRC (TEAM)
8.1	Discrepancy Report	IUEOCC	
8.2	Requirement Change Control	IUEOCC	
8.3	Operations Procedures (PROC) Updates	IUEOCC	
8.4	Sigma-9 Control Center Software System Revisions	IUEOCC	
9.1	Flight Operations Directives	IUEOCC	
9.2	Flight Operations Manual Updates	IUEOCC	
10.0	Scientific & Technical Reports	Other 2 Agencies	Other 2 Agencies
ESA DATA CENTRE			
3.6	Archival Tapes to NSSDC		NSSDC
3.7	Archival Tapes to SRC Data Centre		SRCDC
3.8	Photowrite Negatives of SRC Images		SRC (TEAM)
3.9	Photowrite Negatives of ESA Images	VILSPA	

SUMMARY BY LOCATION		FROM	TO
ESA DATA CENTRE (continued)			
3.10	Contact Prints of Photo-write Negatives of all VILSPA Images	VILSPA	
3.11	Archival Tapes to ESA Data Centre	VILSPA	
3.12	Catalog of Contents of Archival Tapes	VILSPA	
3.13	VILSPA Release Lists	VILSPA	
3.14	Archival Data Tapes from NSSDC	NSSDC	
3.15	Image Database	NSSDC	
4.6	Merged Log	IUESOC	
5.2	ESA Newsletter		ESA Sci. GSFC Distr. SRC (TEAM)
6.1	Wavelength & Geometric Calibration Data	IUESOC (DMC)	
6.2	Intensity Transfer Function	IUESOC (DMC)	
SRC DATA CENTRE			
3.4	Documentation on Formats & Contents of Std. IUE Data Tapes as a Function of Time	IUESOC (IPCC)	
3.5	Documentation on Formats & Contents of Std. IUE Data Tapes as a Function of Time	VILSPA	
3.7	Archival Data Tapes from the ESA Data Centre	ESADC	
3.12	VILSPA Catalog of Contents	VILSPA	
3.13	VILSPA Release Lists	VILSPA	
3.16	Archival Data Tapes from NSSDC	NSSDC	
3.17	Image Database	NSSDC	

SUMMARY BY LOCATION		FROM	TO
SRC SUPPORT TEAM			
2.1	GSFC Observatory Schedule	IUESOC (TOCC)	
2.2	VILSPA Observatory Schedule	VILSPA	
3.4	Documentation on Formats & Std. IUE Data Tapes as a Function of Time	IUESOC (IPCC)	
3.5	Documentation on Formats & Std. IUE Data Tapes as a Function of Time	VILSPA	
3.8	Photowrite Negatives of SRC Images	ESADC	
4.2	GSFC Observatory Log	IUESOC (DMC)	
4.4	VILSPA Observatory Log	VILSPA	
4.7	Cumulative Merged Log from Launch	IUESOC (DMC)	
4.10	Merged Log Updates	IUESOC (DMC)	
5.1	GSFC Newsletter	IUESOC	
5.2	ESA Newsletter	ESADC	
5.3	SRC Newsletter	SRC Sci. GSFC Distr. VILSPA Distr.	
5.4	Copies of Relevant Articles for any Agency Newsletter	IUESOC VILSPA	IUESOC VILSPA
7.1	Scientific Operations Center Anomaly Report	IUESOC (IPCC)	
7.2	VILSPA SOCAR Equivalent	VILSPA	
7.3	Scheme Modification Report	IUESOC (IPCC)	
7.4	VILSPA Equivalent of SMR	VILSPA	
10.1	Scientific & Technical Reports	Other 2 Agencies	Other 2 Agencies
THREE AGENCY MEETING PROGRAM CHAIRMAN			
2.3	Handover Time Accounting	IUESOC (TOCC)	

OBSERVATORY SCHEDULES

The observatory schedules are made such that a program is chosen for the dates on which a minimum number of its targets are in the solar avoidance region and the Beta 55-95 degree zone (hot OBC). However, the observatory will attempt to honor requests to schedule operations on specific dates to allow the guest observers to cover desirable phases of variable stars, to utilize favorable planet-satellite configurations or to carry out simultaneous observations at other wavelengths etc. The schedules are published in three month blocks, at least two months in advance. On the schedule, the date, starting time of each shift, Principal Investigator's name, his program identification code and the names of the Resident Astronomers and Telescope Operators on duty are listed.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: GSFC Observatory Schedule

FORM: Typewritten on letter size paper

FORMAT:

SEE APPENDIX:

FROM: IUESOC (TOCC)
Attn: R.A./Obs. Sched.
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3-9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Air mail, once every three months, with revisions monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: The IUESOC Observatory schedule is generated for a three-month period, two months in advance

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Observatory Schedule

FORM:

FORMAT:

SEE APPENDIX:

FROM: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TO: IUESOC (TOCC)
Attn: R.A./Obs. Schedule
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3-9JX
UNITED KINGDOM

TRANSMITTAL: METHOD & FREQUENCY: Air mail, once every three months, with revisions monthly

ADDITIONAL: MATERIAL: TRANSMITTED:

ADDITIONAL: INFORMATION: The VILSPA schedule is generated for a full year starting on April first. It is under continuous review.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Handover Time Accounting

FORM: Typewritten

FORMAT:

SEE APPENDIX:

FROM: IUESOC (TOCC)
Attn: R.A./Obs. Sched.
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TO: Three Agency Meeting
Program Chairman

TRANSMITTAL: VILSPA and GSFC summaries should be prepared
METHOD &: immediately prior to each Three Agency Meeting
FREQUENCY: for presentation at that meeting

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

ARCHIVAL DATA

At both the GSFC and VILSPA ground facilities, raw data taken from the spacecraft are operated upon to remove noise and to make required corrections and calibrations. The processed data are then recorded and delivered to the observers.

1600 bpi copies of the archival tapes are prepared and sent to the National Space Science Data Center at GSFC.

The NSSDC processes the incoming tapes to high density, blocked (VBS format) tapes, at 6250 bpi for storage.

The 6250 bpi tapes containing the data acquired at GSFC are duplicated for the SRC and broken down into four 1600 bpi VBS tapes for ESA.

The NSSDC and the ESA and SRC data centers send copies, at the requested bpi, of GSFC and/or VILSPA archival tapes to requestors, within the limitation that no Guest Observer's data may be given to anyone else until he has had exclusive access to it for at least six months. At GSFC the six month rule is interpreted as being six months and 20 days from the dispatch of the complete data package to the observer. At VILSPA the six month rule is interpreted as being six months from the first of the month subsequent to dispatch.

The formats of the archival tapes are shown in Appendices A, B & C.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tape Form GSFC IUESOC to NSSDC

FORM: Magnetic Tape (1600 bpi)

FORMAT:

SEE APPENDIX: A

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: Hand carry, every four weeks

ADDITIONAL MATERIAL TRANSMITTED: Tape Transaction Report

ADDITIONAL INFORMATION: Magnetic tape Mark IV database listing and photo-write are handled as a package between IUESOC and NSSDC

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Photowrite Archival Negative

FORM:

FORMAT:

SEE APPENDIX:

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: Hand carry, every four weeks

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Magnetic tape, Mark IV Data base listing and Photo write are handled as a package from IUESOC to NSSDC

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: IUESOC Archive Tape Information

FORM: Printout and Tape (ordered by day of observation)

FORMAT:

SEE APPENDIX: D for Tape Format, E & F for Listing Formats

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: Hand carry, every four weeks

ADDITIONAL MATERIAL TRANSMITTED: Two printed copies of the database ordered by image sequence number and one copy ordered by tape and delivery date

ADDITIONAL INFORMATION: Archival Tape, database listing and Photowrite are handled as a package between IUESOC & NSSDC

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Documentation on Formats and Contents of Standard IUE Data Tapes as a Function of Time

FORM: Written Documents

FORMAT:

SEE APPENDIX:

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

Villafranca Satellite Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Hand carried within GSFC & mailed to others, when modified

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Provided so that Data Centers can inform requesters as to the format and contents of IUE tapes which they distribute

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Documentation on Formats and Contents of Standard IUE Data Tapes as a Function of Time

FORM: Written Documents

FORMAT:

SEE APPENDIX:

FROM: Villafranca Satellite Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

IUESOC (IPCC)
Attn:
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mailed, when modified

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Provided so that Data Centers can inform requesters as to the format and contents of IUE tapes which they distribute

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tapes from ESA Data Centre to the NSSDC

FORM: Magnetic Tape (1600 bpi)

FORMAT: Identical to Guest Observer Tape

SEE APPENDIX: B

FROM: Villafranca Satellite Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: National Space Science Data Center
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly, including all images released that month

ADDITIONAL MATERIAL TRANSMITTED: Image Release List, Catalog

ADDITIONAL INFORMATION: At the NSSDC, the incoming tapes are processed to high density, blocked (VBS Format) tapes, at 6250 bpi, for storage. Handwritten tape content.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tapes from the ESA Data Centre to the SRC Data Centre

FORM: Magnetic Tape (1600 bpi)

FORMAT: Identical to Guest Observer Tapes

SEE APPENDIX: B

FROM: Villafranca Satellite Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly within three months of observations

ADDITIONAL MATERIAL TRANSMITTED: Monthly list of image release dates

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Photowrite Negatives of SRC Images

FORM:

FORMAT:

SEE APPENDIX:

FROM: Villafranca Satellite
Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL: Mail, monthly within three months of observations
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Photowrite Negatives of ESA Images

FORM:

FORMAT:

SEE APPENDIX:

FROM: ESA Operations Center

TO: ESA Data Center
by Internal Transfer

TRANSMITTAL: Hand carry, as generated
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Contact Prints of Photowrite Negatives of All VILSPA Images

FORM:

FORMAT:

SEE APPENDIX:

FROM: ESA Operations Center

TO: ESA Data Center
by Internal Transfer

TRANSMITTAL: Hand carry, as generated
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tapes from the VILSPA Operations Center to the ESA Data Centre

FORM: Magnetic Tape

FORMAT:

SEE APPENDIX: B

FROM: ESA Operations Centre TO: ESA Data Centre by Internal Transfer

TRANSMITTAL METHOD & FREQUENCY: Hand carried, as generated

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Catalog of Contents of Archival Tapes

FORM: Magnetic Tape & Listing

FORMAT:

SEE APPENDIX: G for Tape Format & H for Listing Format

FROM: Villafranca Satellite
Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight
Center
Greenbelt, MD 20771
U.S.A.

ESA Data Centre by
Internal Transfer

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Accompanies the archival tapes to GSFC

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Release Lists

FORM: Typewritten

FORMAT:

SEE APPENDIX:

FROM: Villafranca Satellite
Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight
Center
Greenbelt, MD 20771
U.S.A.

ESA Data Centre by
Internal Transfer

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Accompanies the archival tapes to GSFC

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tape from the NSSDC to the ESA Data Centre

FORM:

FORMAT:

SEE APPENDIX: C

FROM: National Space Science Data Center
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Air freight, within three months of completion of image processing.

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Each 6250 bpi tape generated by NSSDC from the GSFC acquired data is broken down into four 1600 bpi, VBS, tapes for shipment to the ESA Data Centre. Tapes are accompanied by the Image Database listing. Handwritten tape content.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Image Database, NSSDC to ESA Data Centre

FORM: Printed Listing

FORMAT: Ordered by Camera & Image Sequence Number

SEE APPENDIX: I

FROM: National Space Science Data Center
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Air freight, with archival tapes

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Each 6250 bpi tape generated by NSSDC from the GSFC acquired data is broken down into four 1600 bpi, VBS, tapes for shipment to the ESA Data Centre. Tapes are accompanied by the Image Database listing.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Archival Data Tapes from the NSSDC to the SRC Data Centre

FORM: Magnetic Tape (6250 bpi, VBS format)

FORMAT:

SEE APPENDIX: C

FROM: National Space Science Data Center
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Air freight, within three months of completion of image processing

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Each 6250 bpi tape generated by NSSDC from the GSFC acquired data is broken down into four 1600 bpi, VBS, tapes for shipment to the ESA Data Centre. Tapes are accompanied by the Image Database listing.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Image Database, NSSDC to the SRC Data Centre

FORM: Printed Listing

FORMAT: Ordered by Camera, Image Sequence Number, Object Identification and Image Release Data

SEE APPENDIX: I

FROM: National Space Science Data Center
Attn: Dr. Wayne Warren, Jr.
Code 601
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Rutherford & Appleton Labs.
World Data Centre - C
Attn: R.W. Smith
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Air freight, with archival tapes

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

LOGS

Logs are maintained at both observatories. These logs list the object observed, the Guest Observer, position, comments, exposure times etc. for each observation made with the IUE. The logs are distributed to the scientific communities associated with GSFC, ESA, and the SRC.

Distributed logs contain a footnote stating that releasable observations will be available upon request to the data centers. With the addition of that footnote, the observatory log fulfills the requirement for publication of a list of IUE observations available at the data centers, as required by the memorandum of understanding.

The GSFC Observatory Log explicitly lists a release date for each observation, when that information becomes known. Release dates for VILSPA images are normally 7 to 8 months after the observation.

At GSFC IUESOC, the GSFC and VILSPA Observatory logs are merged into a composite log. The cumulative merged log is prepared annually from launch and updated bi-monthly for the current year.

The overall schedule for observatory logs and the merged log is shown below. The merged log is keyed to an observations epoch of one calendar year beginning in April. The other schedules are tied to the merged log schedule.

GSFC LOG FR APR 1 OF CURRENT YR		VILSPA LOG FR APR 1 OF CURRENT YR		CUMULATIVE MERGED LOG FROM LAUNCH		MERGED LOG UPDATES FR APR 1 OF CURRENT YR	
COVERS TO THE LAST DAY OF	PREP. & DISTR. BEFORE LAST OF	COVERS TO THE LAST DAY OF	PREP. & DISTR. BEFORE LAST OF	COVERS TO THE LAST DAY OF	PREP. & DISTR. BEFORE LAST OF	COVERS TO THE LAST DAY OF	PREP. & DISTR. BEFORE LAST OF
April	May	April	May	March	May		
May	June	May	June				
June	July	June	July			May	July
July	Aug.	July	Aug.				
Aug.	Sept.	Aug.	Sept.			July	Sept.
Sept.	Oct.	Sept.	Oct.				
Oct.	Nov.	Oct.	Nov.			Sept.	Nov.
Nov.	Dec.	Nov.	Dec.				
Dec.	Jan.	Dec.	Jan.			Nov.	Jan.
Jan.	Feb.	Jan.	Feb.				
Feb.	March	Feb.	March			Jan.	March
March	April	March	April				

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: GSFC Observatory Log to VILSPA

FORM: Printed Listing and Tape

FORMAT:

SEE APPENDIX: J for Tape Format & K for Printout Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellites
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TRANSMITTAL: Mail, monthly
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL: Log is cumulative for the current year
INFORMATION: (April 1 to March 31)

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: GSFC Observatory Log to the SRC Support Team

FORM: Printed Listing and Tape

FORMAT:

SEE APPENDIX: J for Tape Format & K for Printout Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Log is cumulative for the current year (April 1 to March 31)

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Observatory Log to IUESOC

FORM: Printed Listing and Tape

FORMAT:

SEE APPENDIX: L for Tape Format & Appendix M for the Listing Format

FROM: Villafranca Satellite Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: IUESOC (DMC)
Attn:
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: VILSPA Observatory log contains the log information from both ESA and SRC observations cumulative for the current year (April 1 to March 31).

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Observatory Log to the SRC Support Team

FORM: Printed Listing

FORMAT:

SEE APPENDIX: M

FROM: Villafranca Satellite
Tracking Station
Attn: Computer Manager
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Merged Log, IUESOC to NSSDC

FORM: Microfiche Positive & Tape

FORMAT: Same as GSFC Observatory Log (Cumulative)

SEE APPENDIX: I

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601

TRANSMITTAL METHOD & FREQUENCY: Hand carry, annually in May

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Merged Log, IUESOC to ESA Operations

FORM: Microfiche Negatives, Tape & Printed Listing (ordered by R.A. & declination)

FORMAT: Same as GSFC Observatory Log

SEE APPENDIX: J for Tape Format & K for Listing Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, annually in May

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: The GSFC and VILSPA Observatory logs are merged at the GSFC IUESOC.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Cumulative Merged Log, IUESOC Launch to SRC Support Team

FORM: Microfiche Negatives, Tape & Printed Listing (ordered by R.A. & declination)

FORMAT: Same as GSFC Observatory Log

SEE APPENDIX: J for Tape Format & K for Listing Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, annually in May

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Merged Log Updates, IUESOC to NSSDC

FORM: Magnetic Tape & Printed Listing (ordered by R.A. & declination)

FORMAT: Same as GSFC Observatory Log

SEE APPENDIX: J for Tape Format & K for Printout Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
Bldg. 21, Rm. G-69

TO: NSSDC
Attn: Dr. Wayne Warren, Jr.
Code 601
Bldg. 26, Rm. 105

TRANSMITTAL METHOD & FREQUENCY: Hand carry, bi-monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Merged Log Updates, IUESOC to VILSPA

FORM: Magnetic Tape & Printed Listing (ordered by R.A. and declination)

FORMAT: Same as GSFC Observatory Log

SEE APPENDIX: J for Tape Format & K for Printout Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, bi-monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Merged Log Updates, GSFC to SRC Support Team

FORM: Magnetic Tape & Printed Listing (ordered by R.A. and declination)

FORMAT: Same as GSFC Observatory Log

SEE APPENDIX: J for Tape Format & K for Printout Format

FROM: IUESOC
Attn: Data Mgmt. Center
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, bi-monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Weekly Observation Logs

FORM: Printout

FORMAT:

SEE APPENDIX:

FROM: IUESOC(TOCC)
Attn: RA for Scheduling
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TO: Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3-9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, weekly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

NEWSLETTERS

Each of the three agencies generates and distributes a newsletter covering its activities. The newsletters may contain such things as; observatory logs, guest observer schedules, discussion of pending changes, significant occurrences in the preceding period, and technical notes.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: GSFC Newsletter

FORM: Printed Document

FORMAT:

SEE APPENDIX:

FROM: IUESOC
Attn: Newsletter Editor
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: GSFC Scientific Distr.

Distribution List Provided by VILSPA Observatory Controller

Distribution List Provided by SRC IUE Support Team

TRANSMITTAL METHOD & FREQUENCY: Mail, bi-monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: ESA Newsletter

FORM: Printed Document

FORMAT:

SEE APPENDIX:

FROM: Villafranca Satellite Tracking Station
Attn: Newsletter Editor
Apartado 54065, Madrid
SPAIN

TO: ESA Scientific Distr.

Distribution List Provided by GSFC Observatory Manager

Distribution List Provided by SRC IUE Support Team

TRANSMITTAL METHOD & FREQUENCY: Mail, quarterly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: SRC Newsletter

FORM: Printed Document

FORMAT:

SEE APPENDIX:

FROM: Rutherford & Appleton Labs.
Attn: Newsletter Editor
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TO: SRC Scientific Distr.

Distribution List
Provided by Observatory
Controller at VILSPA

Distribution List
Provided by Observatory
Manager at GSFC

TRANSMITTAL METHOD & FREQUENCY: Mail, approximately quarterly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Copies of Relevant Articles for Any Agency Newsletter

FORM: Typewritten

FORMAT: Camera Ready Copy

SEE APPENDIX:

FROM: Originating Agency
Newsletter Editor

TO: IUESOC
Attn: Newsletter Editor
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

Villafranca Satellite Tracking Station
Attn: Newsletter Editor
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, as generated

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

CALIBRATIONS

Magnetic tapes and astronomers' analyses are exchanged between GSFC and VILSPA for maintaining calibration of the IUE instrument.

An accounting of spacecraft time spent for Calibration and Engineering purposes is maintained by each observatory and exchanged monthly.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Wavelength and Geometric Calibration Data

FORM: Magnetic Tape and Astronomer Analyses

FORMAT:

SEE APPENDIX:

FROM: IUESOC (DMC)
Attn: R.A. for Image Processing
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Image Processing System Analyst
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as need arises

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: It is expected that this exchange will be modified when appropriate mean calibrations have been accepted & implemented.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Intensity Transfer Function (ITF)

FORM: Magnetic Tape and Astronomer Analyses

FORMAT:

SEE APPENDIX:

FROM: IUESOC (DMC)
Attn: R.A. for
Calibration
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Image Processing
System Analyst
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as the need requires

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Maintenance Shift Accomplishment Records

FORM: Memorandum

FORMAT: Describes observations and tests carried out during the maintenance shift

SEE APPENDIX:

FROM OR TO:

IUESOC
Shift Resident Astronomer
for Operations
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO OR FROM:

Villafranca Satellite
Tracking Station
Attn: ESA & SRC Calibration
Committee Members
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Facsimile, at the conclusion of the maintenance shift.

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Spacecraft Calibration & Engineering Time Accounting

FORM:

FORMAT: Memorandum

SEE APPENDIX:

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
SRC VILSPA R.A.
VILSPA Operations Engr.
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: FAX monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Provides GSFC monthly use and cumulative total time for VILSPA and GSFC. A summary will be provided for each 3-agency meeting.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Spacecraft Calibration & Engineering Time Accounting

FORM:

FORMAT: Memorandum

SEE APPENDIX:

FROM: Villafranca Satellite Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

TO: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TRANSMITTAL METHOD & FREQUENCY: FAX monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: Provides GSFC monthly use.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Absolute Instrument Calibration

FORM: Raw Data Tapes

FORMAT: 800 bpi, with one short header file followed by the image files.

SEE APPENDIX:

FROM OR TO:

IUESOC (DMC)
Attn: R.A. for Calibration
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO OR FROM:

Villafranca Satellite Tracking Station
Attn: ESA or SRC Calibration Committee Member
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as generated

ADDITIONAL MATERIAL TRANSMITTED: From GSFC, copies of the observing scripts relevant to the images on the tape accompany the tape.

From VILSPA, a copy of the appropriate "Daily Operations Log" is to accompany the tape.

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Instrumental Response Function (IRF) Files

FORM: Magnetic Tape

FORMAT:

SEE APPENDIX:

FROM: IUESOC (DMC)
Attn: R.A. for Calibration
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite Tracking Station
Attn: Image Processing Analyst
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as need arises

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

SPECTRAL IMAGE PROCESSING SYSTEM

The IUE Spectral Image Processing System (SIPS) is updated at both earth terminals, based upon the information exchanged between them.

The SIPS application software was developed at GSFC and provided to VILSPA for installation and use at that site. Major system updates are provided to VILSPA via magnetic tape and accompanying documentation. Minor updates are coordinated between the Image Processing Resident Astronomers at both observatories, and implemented independently at the two locations.

Because of the differences between the image processing systems at GSFC and VILSPA, VILSPA does not receive "systems" for image processing changes (i.e. SAVES of all disk areas). They do receive updates which they implement after integration into their system. The two image processing systems. (GSFC and VILSPA) are maintained functionally equivalent. By mutual agreement between GSFC and VILSPA, the D5 disc areas in both IUE SIPS versions are maintained at equal size to allow exchange of files via D5 SAVES and RESTORES.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Scientific Operations Center Anomaly Report (SOCAR)

FORM: Standard Form

FORMAT:

SEE APPENDIX: N

FROM: IUESOC (IPCC)
Attn: Image Proc.
Resident Astron.
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Attn: Observatory Director
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD &: Mail, monthly
FREQUENCY:

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA SOCAR Equivalent

FORM: Standard Form

FORMAT:

SEE APPENDIX: P

FROM: Villafranca Satellite Tracking Station
Attn: Image Processing Analyst
Apartado 54065, Madrid
SPAIN

TO: IUESOC (IPCC)
Attn: R.A. for Image Processing
Code 685
NASA/Goddard Space Flight Center
Greenbelt, MD 20771
U.S.A.

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough, SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Scheme Modification Report (SMR)

FORM: Standard Form

FORMAT:

SEE APPENDIX: O

FROM: IUESOC (IPCC)
Attn: Image Proc.
Resident Astronomer
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TRANSMITTAL: Mail, monthly
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: VILSPA Equivalent of SMR

FORM: Standard Form

FORMAT:

SEE APPENDIX: Q

FROM: Villafranca Satellite
Tracking Station
Attn: Image Processing
Analyst
Apartado 54065, Madrid
SPAIN

TO: IUESOC (IPCC)
Attn: R.A. for Image
Processing
Code 685
NASA/Goddard Space Flight
Center
Greenbelt, MD 20771
U.S.A.

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough, SL3 9JX
UNITED KINGDOM

TRANSMITTAL METHOD & FREQUENCY: Mail, monthly

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION:

OPERATIONAL SOFTWARE CHANGES

The IUE operational software system is designed, tested and placed into operation at GSFC. When it is declared satisfactory for operations, it is supplied to VILSPA for adaptation to their hardware configuration. As new (updated) systems are built, complete deliveries are made to VILSPA. The following are contained in each system delivery:

a. Magnetic Tapes

   1. Database source tape at 1600 bpi, reflecting the current level used in the system build.

   2. Source and binary tapes at 1600 bpi

      (a) Files A, B
      (b) File C
      (c) File D
      (d) Files E through Z

   3. Miscellaneous Items

      (a) Listing of SYSGEN deck
      (b) Four copies of updated one-liner program descriptions
      (c) Four copies of CSC memo describing system changes and Operations Manual updates.

The operations software system changes are controlled by the use of "Requirement Change Control" (RCC) and "Discrepancy Report" (DR) forms. These forms are numbered sequentially by IUEOCC and supplied to the software contractor for implementation. A review committee of GSFC operations and software development personnel, reviews the DR's and RCC's periodically to establish priorities for implementation and status review. Copies of RCC's, DR's and the priority list are provided to VILSPA. VILSPA inputs to the DR's, RCC's and priority list are coordinated informally.

Operations Procedures (PROC's) software are also maintained at GSFC and delivered to VILSPA on computer magnetic tape. These procedures are updated as required by the IUE operations personnel. VILSPA provides inputs to GSFC on any PROC changes they desire. When the PROC files have been modified and fully tested, they are released to both the IUEOCC and VILSPA for operations.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Discrepancy Report (DR)

FORM: Standard Form

FORMAT:

SEE APPENDIX: R

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Operations Engineer &
Data Processing Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as required

ADDITIONAL MATERIAL TRANSMITTED: Priority list showing desired order of implementation of DR's & RCC's.

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Requirement Change Control (RCC)

FORM: Standard Form

FORMAT:

SEE APPENDIX: S

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Operations Engineer &
Data Processing Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL METHOD & FREQUENCY: Mail, as required

ADDITIONAL MATERIAL TRANSMITTED: Priority list showing desired order of implementation of DR's & RCC's.

ADDITIONAL INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Operations Procedures (PROC) Updates

FORM: Magnetic Tape

FORMAT:

SEE APPENDIX:

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Operations Engineer &
Data Processing Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL: Air freight, after generation and adequate
METHOD &: testing
FREQUENCY:

ADDITIONAL: Description of changes in the PROC operation and
MATERIAL: techniques of usage are to accompany the tape.
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Sigma-9 Control Center Software System Revisions

FORM: Magnetic Tape

FORMAT:

SEE APPENDIX:

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Operations Engineer &
Data Processing Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL: Mail, after generation and adequate testing
METHOD &: testing
FREQUENCY:

ADDITIONAL: Description functional changes are to accompany
MATERIAL: the tape.
TRANSMITTED:

ADDITIONAL:
INFORMATION:

FLIGHT OPERATIONS MANUAL

The Flight Operations Manual (FOM) provides a major single-reference source for IUE operations policy, Flight Operations Directives (FOD's), the IUE spacecraft telemetry and command handbook, and other operation information. The FOM was published by GSFC and is updated as required. The FOD's are updated routinely and are distributed to the operating locations as major operating instructions are changed.

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Flight Operations Directive (FOD)

FORM: Standard Form

FORMAT:

SEE APPENDIX:

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Villafranca Satellite
Tracking Station
Attn: Operations Engineer &
Data Processing Manager
Apartado 54065, Madrid
SPAIN

TRANSMITTAL: Facsimile and/or mail, as required
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Flight Operations Manual (FOM) Updates

FORM: New Pages

FORMAT:

SEE APPENDIX:

FROM: IUEOCC
Attn: IUEPOD
Code 602
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

TO: Established Distribution List

TRANSMITTAL: Mail, as generated
METHOD &:
FREQUENCY:

ADDITIONAL:
MATERIAL:
TRANSMITTED:

ADDITIONAL:
INFORMATION:

SCIENTIFIC AND TECHNICAL REPORTS

IUE
THREE AGENCY
INFORMATION INTERCHANGE

PRODUCT: Scientific and Technical Reports

FORM:

FORMAT:

SEE APPENDIX:

FROM: IUESOC
Attn: Observatory Mgr.
Code 685
NASA/Goddard Space
Flight Center
Greenbelt, MD 20771
U.S.A.

Villafranca Satellite
Tracking Station
Attn: Observatory Controller
Apartado 54065, Madrid
SPAIN

Rutherford & Appleton Labs.
IUE Support Team
Attn: RS/UK
Ditton Park
Slough SL3 9JX
UNITED KINGDOM

TO: Other Two Agencies

TRANSMITTAL METHOD & FREQUENCY: Mail, as generated

ADDITIONAL MATERIAL TRANSMITTED:

ADDITIONAL INFORMATION: For inclusion in data libraries.

APPENDIX A

FORMAT OF SOC GENERATED ARCHIVAL TAPES

DENSITY: ---------- 1600 bpi

RECORD FORMAT: ---------- VB (VARIABLE BLOCKED)

BLOCK SIZE: ---------- 32,760 bytes

LOGICAL RECORD LENGTH: ---------- 32,756 bytes

Within the logical records, the data content is as specified in the documentation given to the Guest Observer and to the National Space Science Data Center (NSSDC).

APPENDIX B

FORMAT OF VILSPA GENERATED ARCHIVAL TAPES

(TO BE SUPPLIED)

APPENDIX C

FORMAT OF NSSDC GENERATED ARCHIVAL TAPES

DENSITY: ---------- 6250 bpi

RECORD FORMAT: ----- VBS (VARIABLE, BLOCKED WITH SPANNED LOGICAL RECORDS)

BLOCK SIZE: ---------- 32,000 bytes

LOGICAL RECORD SIZE: ---------- 31,996 bytes

APPENDIX D

IUESOC ARCHIVAL TAPE INFORMATION TAPE FORMAT

FIELD	LENGTH
IMAGE SEQUENCE NO.	6
PROGRAM ID	5
OBJECT ID	8
RIGHT ASCENSION	
HOUR	2
MINUTE	2
SECOND	2
TENTH	1
DECLINATION	
SIGN	1
DEGREE	2
MINUTE	2
SECOND	2
PHOTOWRITE TAPE FILE	11
GO TAPE FILE	11
RELEASE DATE	5
PHOTOWRITE TO NSSDC	5
GO ARCHIVAL TAPE	11
SORT CODE	1

APPENDIX E

IUESOC ARCHIVAL TAPE INFORMATION LISTING FORMAT

ORDERED BY IMAGE SEQUENCE NUMBER

PART 1

Since this list is provided as a computer printout, information is listed by column position only.

Column	Information
1	Camera and image sequence number
2	Object identification
3	Target position in right ascension (equinox 1950)
4	Target position in declination (equinox 1950)
5	Program identification (5-character code)
6	Image release date in form YR/DAY
7	Photowrite tape identification and files containing image
8	Photowrite delivery date to NSSDC in form YR/DAY
9	Archive tape identification and files containing image
10	Archive tape delivery date to NSSDC in form YR/DAY
11	Sort codes for image description in special cases of reprocessing, raw image only supplied, etc.

APPENDIX E
IUESOC ARCHIVAL TAPE INFORMATION LISTING FORMAT
ORDERED BY IMAGE SEQUENCE NUMBER
PART 2

10/25/79

IMAGE SEQ NUM	OBJECT ID	TARGET RA HR MN SC	TARGET DEC DEG MN SC	PROG ID	RELEASE DATE YR/DA	PHOTOWRITE TAPE FILE	DEL TO NSSDC YR/DAY	GO ARCH TAPE FILE	DEL TO NSSDC YR/DAY
SWP 3341	V362CYG	20 16 54.	36 11	PG2SS	80/023	GC30195/01-03	79/271	QY3152A/55-59	79/096
LWR 3342	70 8247	19 00 39.	70 35 12	BSJLG	79/257	RA4495H/01-03	79/131	RA4495E/21-25	79/124
SWP 3342	HD2C7757	21 48 37.	12 23	CBMJP	79/277	QY1957C/04-06	79/271	QY3152A/47-51	79/096
SWP 3342	FD2C7757	21 48 37.	12 23	CBMJP	79/277	QY1957C/04-06	79/271	QY3152A/52-54	79/096
LWR 3343	FEIGE7	00 41 15.	-12 16 47	BSJLG	79/282	RA4495H/04-06	79/131	RA4495E/26-30	79/124
SWP 3343	HD72754	08 30 51.	-49 25 50	MF2YK	79/277	QY8002D/10-12	79/271	QY8099I/17-21	79/229
SWP 3343	BD72754	08 30 51.	-49 25 50	MF2YK	79/277	QY8002D/10-12	79/271	QY8099I/22-24	79/229
LWR 3344	HD21242	03 23 32.	28 32 32	OD9AB	79/337	RA4567E/10-12	79/124	QK8025I/10-12	79/124
SWP 3344	AU BOH	06 52 22.	-01 19	CBMJP	79/284	QY4826J/04-06	79/271	QY4875C/06-08	79/229
SWP 3344	AU BOH	06 52 22.	-01 19	CBMJP	79/284	QY4826J/04-06	79/271	QY4875C/01-05	79/229
LWR 3345	ETA UMA	13 45 34.	49 33 44	PHCAL	79/337	RA4567E/07-09	79/124	QK8025I/07-09	79/124
LWR 3346	NZ SGR	20 05 18.	17 32 56	CD8AD	79/239	RA4567E/01-03	79/124	RA4583E/01-05	79/124
LWR 3349	HD19356	03 04 54.	40 46	CB2JS	79/358	RA4554D/10-12	79/124	QU3743F/16-18	79/124
LWR 3350	HD19356	03 04 54.	40 46	CB2JS	79/358	RA4476A/01-03	79/124	QU3743F/19-21	79/124
LWR 3351	HD45910	06 27 52.	05 54 08	CB2JS	79/242	RA4477A/10-12	79/124	RA4583E/11-13	79/124
LWR 3351	HD45910	06 27 52.	05 54 08	CB2JS	79/242	RA4470A/10-12	79/124	RA4583E/06-10	79/124
SWP 3351	NGC2392	07 26 13.	21 00 56	HSSRH	79/281	QY4838B/04-06	79/194	QP4386F/01-03	79/096
LWR 3352	HD45910	06 27 52.	05 54 08	CB2JS	79/358	RA4567E/13-15	79/124	QK8025I/01-03	79/124
SWP 3352	NGC246	00 44 30.	-12 09	HSSRH	/	/ -	/	/ -	/
LWR 3353	HD45910	06 27 52.	05 54 08	CB2JS	79/358	RA4489A/01-03	79/124	QU3743F/23-25	79/124
SWP 3353	NGC246	00 44 30.	-12 09	HSSRH	79/281	QY4838B/07-09	79/194	QP4836F/04-06	79/096
LWR 3354	HD50846	06 52 22.	-01 18 41	CB2JS	79/358	RA4489A/04-06	79/124	QU3743F/26-28	79/124
SWP 3354	HD60753	07 32 08.	-51 28 28	PHCAL	79/276	QY5569G/07-09	/	QY1942F/29-31	79/117
SWP 3354	ED60753	07 32 08.	-51 28 28	PHCAL	79/276	QY5569G/07-09	/	QY1942F/29-31	79/117
LWR 3355	HD68243	08 07 57.	-47 12	CB2JS	79/347	RA4489A/07-09	79/124	QY4900K/01-03	79/229
SWP 3355	BD93521	10 45 33.	37 50 04	PHCAL	79/282	QY8058E/10-12	79/271	QY8080I/30-32	79/229
SWP 3355	BD93521	10 45 33.	37 50 04	PHCAL	79/282	QY8058E/10-12	79/271	QY8080I/25-29	79/229
LWR 3356	HD68243	08 07 57.	-47 12	CB2JS	79/337	RA4489A/10-12	79/124	QK8025I/04-06	79/124
SWP 3356	BD93521	10 45 33.	37 50 04	PHCAL	79/262	QY8034H/01-03	79/271	QY8080I/38-40	79/229

APPENDIX F

IUESOC ARCHIVAL TAPE INFORMATION LISTING FORMAT

ORDERED BY TAPE & DELIVERY DATE

The format of this listing is identical to that for image sequence number order (APPENDIX E). Only the order of listing the images is different.

11/15/79

IMAGE SEQ NUM	OBJECT ID	TARGET RA HR MN SC	TARGET DEC DEG MN SC	PROG ID	RELEASE DATE YR/DA	PHOTOWRITE TAPE FILE	DEL TO NSSDC YR/DAY	GO ARCH TAPE FILE	DEL TO NSSDC YR/DAY
FES 1011	BI 133	05 18 40.	-69 14	MSJDW	/	/ -	/	/ -	79/334
FES 1015	SK280-69	05 42 11.0	-69 19 39	IEEAC	/	/ -	/	/ -	79/334
FES 1113	MEASUREMENT	03 43 21.2	23 46 39	NRBAW	80/055	/ -	/	/ -	79/334
SWP 1649	OD2ABSEN	17 48 59.	-14 43 08	NOVA7	/	QM2274G/07-10	79/271	/ -	79/334
SWP 6967	B2696.96	05 31 50.9	-67 40 00	HSBFC	/	RK8327E/ 2- 4	/	/ -	79/334
SWP 4439	JUPITER			SJDHM	/	QU4207E/ 1- 3	/	QU3534B/ 1- 5	79/334
SWP 4439	JUPITER	00 00 00.		SJBHM	79/288	QU4207E/01-03	79/124	QU3534B/06-08	79/334
SWP 4360	WAVCAL			BC2DF	/	RC5428B/ 4- 6	/	RC5483J/ 1- 4	79/334
SWP 4360	WAVCAL			BC2DF	79/305	RC7113H/04-06	79/236	RC7105H/01-03	79/334
SWP 1618	BD53250	10 42 48.	-59 18	GSPSC	/	RK5955D/ 8-10	79/166	RK3317A/ 2- 4	79/334
SWP 7007	H00041335	06 01 47.6	- 6 42 19	BEBGP	/	RK5955H/11-13	/	RK3317A/ 6- 8	79/334
LWR 5946	H00041335	06 01 47.6	- 6 42 19	BEBGP	/	RK3353C/ 2- 4	/	RK3317A/ 9-11	79/334
SWP 1431	BD147933	16 22 35.	-23 20 00	ICJHB	80/139	QU3566H/10-12	79/131	RK3317A/01-01	79/334
SWP 7008	H02056.37	21 34 17.0	-19 41 28	BEBGP	/	RK3353D/ 5- 7	/	RK3317A/12-14	79/334
LWR 5947	H02056.37	21 34 17.0	-19 41 28	BEBGP	/	RK3353D/ 8-10	/	RK3317A/15-17	79/334
SWP 7009	H02125.71	22 22 43.4	+ 1 7 23	BEBGP	/	RK8794F/ 2- 4	/	RK3317A/18-20	79/334
LWR 5948	H02125.71	22 22 43.4	+ 1 7 23	BEBGP	/	RK8794F/ 5- 7	/	RK3317A/21-23	79/334
SWP 7010	H00105.16	01 40 30.8	+50 26 16	BEBGP	/	RK8794F/ 8-10	/	RK3317A/24-26	79/334
LWR 5950	HC025540	04 05 01.3	+47 34 52	BEBGP	/	RK8794F/11-13	/	RK3317A/27-29	79/334
LWR 5789	H 223438	23 46 54.0	+ 0 48 0	GD2GH	/	RK5929K/ 2- 4	/	RK5901C/ 2- 6	79/334
LWR 5789	H 223438	23 46 54.0	+ 0 48 0	GD2GH	/	RK5929K/ 2- 4	/	RK5901C/ 7- 9	79/334
SWP 6801	B0009022	23 46 54.0	+00 48 00	GD2GH	/	RK5929K/ 5- 7	/	RK5901C/10-14	79/334
SWP 6801	B0009022	23 46 54.0	+00 48 00	GD2GH	/	RK5929K/ 5- 7	/	RK5901C/15-17	79/334
SWP 6802	B0000472	01 35 51.0	-57 29 0	GD2GH	/	/ -	/	RK5901C/19-19	79/334
SWP 6804	H 44173	06 18 05.0	+11 47 0	GD2GH	/	RK5929K/ 8-10	/	RK5901C/20-24	79/334
SWP 6804	H 44173	06 18 05.0	+11 47 0	GD2GH	/	RK5929K/ 8-10	/	RK5901C/25-27	79/334
LWR 5791	H 44173	06 18 05.0	+11 47 0	GD2GH	/	RK5929K/11-13	/	RK5901C/28-30	79/334
SWP 6805	H 24534	03 52 15.0	+30 54 0	GD2GH	80/136	RK5907B/ 2- 4	/	RK5901C/31-33	79/334
LWR 5786	B0006175	16 34 24.0	-10 28 0	GD2GH	80/140	RK6895F/ 2- 4	/	RK5928C/ 2- 4	79/334
SWP 6799	B0008428	22 03 36.0	+62 02 00	GD2GH	80/140	RK6895F/ 5- 7	/	RK5928C/ 5- 7	79/334
LWR 5788	BC008428	22 03 36.0	+62 02 00	GD2GH	80/140	RK6895F/ 8-10	/	RK5928C/ 8-10	79/334
SWP 6803	H 44173	06 18 05.0	+11 47 00	GD2GH	/	RK6895F/11-13	/	RK5928C/11-13	79/334
LWR 5790	H 44173	06 18 05.0	+11 47 0	GD2GH	80/140	RK6865G/ 2- 4	/	RK5928C/14-16	79/334
LWR 5787	B0006412	17 13 43.0	+02 14 00	GD2GH	80/140	RK6865G/ 5- 7	/	RK5928C/17-21	79/334
LWR 5787	B0006412	17 13 43.0	+02 14 00	GD2GH	80/140	RK6865G/ 5- 7	/	RK5928C/22-24	79/334
SWP 6798	B0006332	16 59 45.0	+33 38 0	GD2GH	80/140	RK6865G/ 8-10	/	RK5928C/25-29	79/334
SWP 6798	B0006332	16 59 45.0	+33 38 0	GD2GH	80/140	RK6865G/ 8-10	/	RK5928C/30-32	79/334
SWP 6800	B0008428	22 03 36.0	+62 02 00	GD2GH	/	RK6865G/11-13	/	RK5928C/33-37	79/334
SWP 6800	B0008428	22 03 36.0	+62 02 00	GD2GH	/	RK6865G/11-13	/	RK5928C/38-40	79/334
LWR 5792	H 24534	03 52 15.0	+30 54 0	GD2GH	80/136	RK5907B/ 5- 7	/	RK5951E/ 2- 4	79/334
SWP 6806	H 24534	03 52 15.0	+30 54 0	GD2GH	80/136	RK5907B/ 8-10	/	RK5951E/ 5- 9	79/334
SWP 6806	H 24534	03 52 15.0	+30 54 0	GD2GH	80/136	RK5907B/ 8-10	/	RK5951E/10-12	79/334
LWR 5799	H 10982	01 45 28.0	+16 42 00	GD2GH	80/136	RK5907B/11-13	/	RK5951E/13-15	79/334
SWP 6814	H 10982	01 45 28.0	164 20 0	GD2GH	80/136	RK6857G/ 2- 4	/	RK5951E/16-18	79/334
SWP 6825	H00060753	07 32 08.1	-50 28 29	PHCAL	80/140	RK6899I/ 2- 4	/	RK6804K/ 2- 6	79/334
SWP 6827	HD 60753	07 32 07.9	-50 28 29	PHCAL	80/140	RK6899I/ 5- 7	/	RK6804K/ 7-11	79/334
SWP 6826	H00060753	07 32 08.1	-50 28 29	PHCAL	80/140	RK8331B/ 2- 4	/	RK6804K/12-16	79/334
LWR 5532	AU MIC	20 42 04.0	-31 31 6	CCBJL	80/140	RK8331B/11-13	/	RK6804K/40-44	79/334
SWP 6815	H 10982	01 45 28.0	+16 42 00	GD2GH	/	RK6833A/ 2- 4	/	RK6810D/ 2- 6	79/334

APPENDIX G

VILSPA CATALOG OF CONTENTS OF ARCHIVAL TAPES - TAPE FORMAT

The tape contains card images sorted by camera/image numbers.

Field	Bytes
Camera Number	3
Image Number	6 - 9
Release Flag ('*' = released, blank = not released yet)	12
Archive Tape Number	13 - 16
Tape Inventory Number	19 - 26
First File on the Tape (numbered from 1 onwards)	27 - 29
Last File on the tape	30 - 32
Comments	35 - 79

APPENDIX H

VILSPA CATALOG OF CONTENTS OF ARCHIVAL TAPES - LISTING FORMAT

11 IMAGES FROM THE LONG WAVELENGTH SPECTROGRAPH
****

NOTE: AN ASTERISK IN COLUMN 'R' MEANS THAT THE IMAGE HAS BEEN RELEASED FOR GENERAL DISTRIBUTION

CAM #	IMAGE #	R	TAPE #	FILES SERIAL	FROM	TO	COMMENT
1	1194		381	602491	26	26	RAW ONLY
1	1195		418	602528	1	1	RAW ONLY
1	1196		418	602528	2	2	RAW ONLY
1	1197		416	602526	6	6	RAW ONLY
1	1198		418	602528	3	3	RAW ONLY
1	1200		463	602590	18	18	RAW ONLY
1	1201		463	602590	19	19	RAW ONLY
2	1031		23	601270	6	8	
2	1180		49	601422	33	35	WAVELENGTH CALIBRATION (HIGH)
2	1193		23	601270	9	11	
2	1218		53	601436	1	2	WAVELENGTH CALIBRATION (LOW)
2	1274	*	1	601391	1	5	
2	1275	*	1	601391	33	37	
2	1278	*	7	601413	1	5	
2	1283	*	6	601407	12	16	
2	1283		222	602115	11	15	REPROCESSING
2	1284	*	6	601407	17	21	
2	1285	*	6	601407	22	26	
2	1286	*	6	601407	27	31	
2	1286		324	602260	21	25	REPROCESSING
2	1290	*	4	601264	11	13	
2	1290		15	601260	1	3	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO
2	1296	*	4	601264	24	28	
2	1303	*	4	601264	29	31	
2	1303		15	601260	4	6	PREVIOUS PROCESSING HAD BAD RIPPLE C699EC3&6
2	1304	*	3	601267	17	19	
2	1309	*	3	601267	28	32	
2	1312	*	2	601412	1	3	
2	1313	*	9	601424	18	20	
2	1314		2	601412	4	6	
2	1315	*	2	601412	7	9	
2	1315		126	601998	25	25	REPROCESSING
2	1316	*	10	601257	1	3	
2	1316		126	601998	26	26	REPROCESSING
2	1318	*	10	601257	4	6	
2	1319	*	10	601257	25	27	
2	1322	*	10	601257	28	30	
2	1323	*	16	601262	22	24	
2	1327	*	13	601388	24	28	
2	1328	*	11	601258	23	25	
2	1331	*	1	601391	6	8	
2	1331		23	601270	22	24	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO
2	1339	*	1	601391	30	32	
2	1339		23	601270	25	27	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO
2	1345	*	5	601395	14	16	
2	1345		15	601260	7	9	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO
2	1346	*	5	601395	6	10	NO PHOTOMETRIC CORRECTION
2	1353	*	5	601395	20	22	
2	1353		22	601261	6	8	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO
2	1361	*	5	601395	23	25	
2	1361		22	601261	9	11	PREVIOUS PROCESSING HAD BAD RIPPLE CORRECTIO

APPENDIX I

NSSDC IMAGE DATABASE FORMAT
PART 1-A - AS STORED IN COMPUTER & ON TAPE - DESCRIPTION

Since this database is provided as computer printout, it is only necessary to read the information by column number; however, in the event that it may be desirable to transmit the data on tape later, the field descriptions for the data as they are stored in the database are included in the table.

Column	Information	Field (bytes)
1	Camera and image sequence number	1- 7
2	Object identification	8-19
3	Program code	20-24
4	Photowrite tape and files	25-36
5	Archive tape and files	37-48
6	Image release date in form MODYYR	49-54
7	Archive tape delivery date to NSSDC in form MODYYR	55-60
8	NAS reblocked tape identification number	61-64
9	NAS reblocked tape files in form XXX-XXX	65-71
10	Reblocking date in form MODYYR	72-77
11	Descriptor codes for special cases	78-80
	* Special remarks about image	
	C Commissioning period image	
	S Image had files split on archive tapes (slipped from end of one archive tape to beginning of next)	
	R Reprocessed image	

APPENDIX I

NSSDC IMAGE DATABASE FORMAT

PART 1-B - AS STORED IN COMPUTER & ON TAPE - LISTING

```
SWP33343M    CAS     CBMJPQY4898K 4- 6QY4856I 26-30888888 41379  30293-297 71179
SWP3336HD218393      CBMJPQY3110J 4- 6QY3152A 15-22888888 4 679  27 24- 31 61979
SWP3337HD210071      CBMJPQY3110J 7- 9QY3152A 23-30888888 4 679  27 32- 39 61979
SWP3338HD189775      CBMJPQY3110J10-12QY3152A 31-38888888 4 679  27 40- 47 61979
S#P3340B5T   LYR     CBMJPQY1957C 1- 3QY3152A 39-46888889 4 679  41380-387 92879
SWP3341V382 CYG      PG2SSQY1957C 7- 8QY3152A 55-59888888 4 679  27 50- 54 61979
LWR3342GW+70 8247    BSJLGRA4405H 1- 3RA4495E 21-25 91479 5 479  35 21- 25 81579
SWP3342HD207757      CBMJPQY1957C 4- 6QY3152A 47-54888888 4 679  41388-395 92879
LWR3343FEIGE   7     BSJLGRA4405H 4- 6RA4495E 26-30 83079 5 479  35 26- 30 81579
SWP3343HD 72754      MF2YCQY8CC2D10-12QY8C99I 17-24888888 4 679  29237-244 63079
L#R3344HD 21242      JC9ABRA4567E10-12QK8025I 10-1212 379 5 479  33140-142 82979
LWR3345ETA   UMA     PHCA_RA4567E 7- 9QK8025I 7- 912 379 5 479  33137-139 82979
S#P3351NGC2392       HSSRHQY48388 4- 6QP4386F 1- 3999999 42779  27281-283 61979
LWR3352HD 45910      CB2JSRA4567E13-15QK8025I 1- 3122479 5 479  33131-133 82979
SWP3353NGC 246       HSSRHQY48388 7- 9QP4386F 4- 6999999 42779  27284-286 61979
S#P3355HD 93521      PHCALQY8058E10-12QY8C80I 25-32888888 41379  27265-272 61979
S#P3355HD 93521      PHCALQY8058E10-12QY8080I 25-32888888 41379  31254-261 72679
LWR3356HD 68243      CB2JSRA4489A10-12QK8025I 4- 612 379 5 479  33134-136 82979
SWP3356HD 93521      PHCA_QY8043H 1- 3QY8080I 33-40888888 41379  31262-269 72679
SWP3357F67           HSSRHQY1920G10-12QU3744D 13-17888888 42779  23223-227 62379
S#P3358F67           HSSRHQU4293J 1- 3QU3744D 18-22888888 42779  23228-232 62379
SWP3359HZ    44      HSSRHQU4293J 4- 6QU3744D 23-27888888 42779  23233-237 62379
S#P3360NGC3132       HSSRHQU4293J 7- 9QU3744D 28-32888888 42779  23238-242 62379
SWP3361HE2-131       HSSRHQU4293J10-12QU3744D 33-40988888 42779  23243-250 62379
LWR3363I363-3        BSJLGRA2229F 7- 9RA4433K 11-15 83079 5 479  35 51- 55 81579
L#R3364JD+25 4655    BSJLGRA0229F10-12RA4433K 16-20 83079 5 479  35 56- 60 81579
L#R3365L870-2        BSJLGRA44838 1- 3RA4480H 1- 510 979 5 479  35 61- 65 81579
SWP3365HD190603      ES2ASQY8068A10-12QY8C548 33-40888888 41379  31132-139 71979
LWR3366HZ    3       BSJLGRA44838 4- 6RA4480H 6-1010 979 5 479  35 66- 70 81579
LWR3367HZ    15      BSJLGRA44838 7- 9RA4480H 11-1510 979 5 479  35 71- 75 81579
LWR3368HZ    1       BSJLGRA44838 10-12RA4480H 16-2010 979 5 479  35 76- 80 81579
S#P3368HD207260      ES2ASQY19528 1- 3QY8C548 41-48898888 41379  31140-147 71979
LWR3369HD137569      BSJLGRA4472H 1- 3RA4480H 21-2510 979 5 479  35 81- 85 81579
S#P3370NGC6826       HSSRHQY48388 10-12QP4386F 7- 9999999 42779  27287-289 61979
SWP3371NGC 246       HSSRHQY8047K 7- 9QY8001F 11-18888888 41379  31280-287 72779
L#R3372HD222600      CB2JSQY4815E 7- 9RA0201H 11-1810 879 5 479  35111-118 81579
S#P3372NGC1360       HSSRHQY8047K10-12QY8J01F 19-26888888 41379  31289-295 72779
SWP3373NGC1535       HSSRHQY1912E 1- 3QU3744D 41-48888888 42779  23251-258 62379
L#R3374HD 19356      CB2JSRA0271B13-15RA0233C 16-18101479 5 479  35147-149 81579
SWP3374NGC1535       HSSRHQY7993I 1- 3QY8001F 27-31888888 41379  31296-300 72779
L#P3375HD207757      CB2JSQY4815E10-12RA0201H 25-3210 879 5 479  35119-126 81579
S#P3375NOVA CYG      JC6A3QY8026J 1- 3QY8C65G 4-11888888 41379  31187-194 72679
LWR3376HD207757      CB2JSRA0271B 1- 3RA0201H 33-3710 879 5 479  35127-131 81579
S#P3382HD 45348      ES2ASQY19528 4- 6QY8C548 49-53888888 41379  31148-152 72679
SWP3384HD 85123      #S2ASQY1952B 7-12QY8092A 1- 8888888 41379  31153-160 72679
L#R3398HZ    22      BSJLGGC3014N 1- 3RA4444E 1- 5101079 5 479  35150-154 81579
LWR3398BD+37 1977    BSJLGRA3410C 1- 3RA4444E 16-20122679 5 479  35165-169 81779
L#R3399HD143454      CB2JSRA4416B 7- 9RA4430F 11-1810179 5 479  35185-192 81779
_#R3396HV    3625    CB2JSRA2275F 7- 9RA4504B 41-48103079 5 479  35293-302 81779
L#R3397BF    CYG     CB2JSRA4505K 1- 3RA4412J 20-2410 879 5 479  35212-216 81779
L#P3398HD 19356      CB2JSRA2283F 7- 9RA4412J 17-19101179 5 479  35209-211 81779
_#R3399FEIGE  85     BSJLGRA4507G10-12RA4501H 21-2510 979 5 479  35250-254 81779
LWR3400FEIGE  67     BSJLGRA4519G 4- 6RA4501H 31-3510 179 5 479  41281-285 91979
L#R3401TON   927     BSJLGRA4519G 1- 3RA4501H 26-3010 179 5 479  41276-280 91979
SWP3402HD 37128      ES2ASQY7961C 1- 3QP4386F 10-12999999 42779  27290-292 61979
S#P3403HD 37128      ES2ASQY7961C 4- 6QP4386F 13-15999999 42779  27293-295 61979
SWP3404HD 54662      ES2ASQY7961C 7- 9QP4386F 16-18999999 42779  27296-298 61979
L#R3407HD182917      CB2JSRA4505K 4- 6RA4412J 25-2910 879 5 479  35217-221 81779
L#P3408HV 10466      CB2JSRA4507G 7- 9RA4501H 16-2010 879 5 479  35215-249 81779
L#R3409JUPITER       PSMGTRA2264A 4- 6RA4504B 16-20 92379 5 479  35270-274 81779
L#R3410JUPITER       PSMGTRA2264A 7- 9RA4504B 21-25 92379 5 479  35275-279 81779
_#R3411JUPITER       PSMGTRA2264A10-12RA4504B 26-30 92379 5 479  35280-284 81779
L#R3412JUPITER       PSMGTRA2275F 1- 3RA4504B 31-35101079 5 479  35285-289 81779
L#R3413JUPITER       PSMGTRA2275F 4- 6RA4504B 36-40101879 5 479  35290-294 81779
L#R3415JUPITER       PSTCDRA2252I 7- 9RA2255C 15-19 82779 5 479  35314-318 81779
L#R3416JUPITER       PSTCDRA2236I 1- 3RA2292D 1- 310 879 5 479  35 1- 3 82179
L#R3417JUPITER       PSTCDRA2252I10-12RA2255C 20-27 91979 5 479  35319-326 81779
LWR3418JUPITER       PSTCDQY8041A 1- 3RA2255C 28-3510 879 5 479  35327-334 81779
SWP3418HD193793      ES2ASQY8088D 4- 6QY5522D 9-16888888 42779  32 1- 8 72779
LWR3419JUPITER       PSTCDQY8041A 4- 6RA2255C 36-4310 879 5 479  35335-342 81779
S#P3425HD 21291      ES2ASQY1940J 1- 3QY4857G 1- 8088888 42779  27 55- 62 61979
LWR3427VENUS         SVBHMRA2253G 1- 3RA2298C 20-22 8 779 5 479  35 44- 46 82179
LWR3428BD+28 4211    PHCA_RA4548K 7- 9RA2278K 5-15101579 5 479  35 73- 89 82179
_#R3429BD+28 4211    PHCA_RA4548K10-12RA2278K 16-20101679 5 479  35 90- 94 82179
L#R3430TF    CALWL   PHCALRA4547B 5- 8RA2278K 1- 2101679 5 479  35 75- 76 821795
L#R3430TF    CALWL   PHCALRA4547B 5- 8RA4294A 7- 8101679 5 479  36 73- 74 821795
S#P3430NGC1275       GQJBJQY3131K10-12QY4857G 45-49888888 42779  27 91- 95 61979
LWR3431TF    CALWL   PHCALRA4548K 4- 6RA2278K 3- 4101679 5 479  35 77- 78 82179
SWP3431HZ    44      BSJLGQY3131K 1- 3QY4857G 27-31888888 42779  27 81- 85 61979
S#P3432HZ    44      BSJLGQY3131K 4- 6QY4857G 32-36888888 42779  27 86- 90 61979
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APPENDIX I
NSSDC IMAGE DATABASE FORMAT
PART 2 - ORDERED BY IMAGE RELEASE DATE
AS SENT TO SRC

I U E D A T A B A S E I N D E X E D B Y I M A G E R E L E A S E D A T E

RELEASE DATE	IMAGE #	OBJECT	PROG.	IUE PHOTOW. TAPE ID	FILES	IUE ARCHIVE TAPE ID	FILES	DELIVERY DATE	NSSDC TAPE ID	FILES	PEBLOCK DATE	NOTE(S)
/ /	SWP3946	HD 886	SS2JJ	RA9395D	1- 3	RA8367A	24-28	5/11/79	NAS 37	284-286	8/24/79	
/ /	SWP3950	HD120709	SS2JJ	RA9381E	10-12	RA8367A	21-23	5/11/79	NAS 37	281-283	8/24/79	
/ /	SWP3974	TF CALWL	PHCAL	RA9388B	8-10	RA8212F	11-12	5/11/79	NAS 38	53- 54	8/29/79	
/ /	SWP3991	HD112185	SS2JJ	RC9725E	1- 3	RC4714F	1- 3	5/11/79	NAS 41	138-140	9/18/79	
/ /	SWP4089	HD 32402	MSJDW	RA9863H	7- 9	RA9835E	17-21	5/11/79	NAS 38	187-191	8/29/79	
/ /	SWP4090	HD 32125	MSJDW	RA9863H	10-12	RA9835E	22-26	5/11/79	NAS 38	192-196	8/29/79	
/ /	SWP4093	HD 33133	MSJDW	RA9846J	1- 3	RA9835E	27-31	5/11/79	NAS 38	197-201	8/29/79	
/ /	SWP4094	HD 32228	MSJDW	RA9846J	4- 6	RA9835E	32-39	5/11/79	NAS 38	202-209	8/29/79	
/ /	SWP4166	HD1494998	MSJDW	RA9930F	4- 6	RA8595J	9-16	5/11/79	NAS 41	1- 8	9/18/79	
/ /	SWP4172	68 CYG	MSJDW	RA9510H	1- 3	RJ27240	1- 8	5/11/79	NAS 41	32- 39	9/18/79	
8/30/78	SWR1065	HD 22468	CEJLL	RJ29058	1	RJ26578	14-20	1/22/79	NASC 1	14- 20	2/23/79	C
9/ 1/78	LWR1028	B2 1101+38	TRG	PE10220C	1	QK68520	1- 7	1/22/79	NASC 1	216-222	2/24/79	C
9/ 1/78	LWR1029	B2 1101+38	TRG	PE09800K	1	QK68520	8-14	1/22/79	NASC 1	223-229	2/24/79	C
9/ 1/78	SWR1062	3C273	TRG	PE10240F	1	QK2053I	15-21	1/22/79	NASC 1	209-215	2/24/79	C
9/ 1/78	SWR1063	B2 1101+38	TRG	PE10240F	9	QK68520	15-21	1/22/79	NASC 1	230-236	2/24/79	C
9/ 3/78	LWP1024	BD+75 325	HSSRH	QE04410J	1	RJ25524	10-14	1/22/79	NASC 1	36- 40	2/23/79	C
9/ 4/78	LWR1138	NGC6826	HSSRH	PE10091H	1	RJ26946	24-30	1/22/79	NASC 1	188-194	2/24/79	C
9/ 5/78	SWR1025	NGC4151	TRG	QE12947E	1	QF2962G	1- 2	1/22/79	NASC 1	57- 58	2/23/79	C*
9/ 6/78	LWP1031	ZET OPH	RCB	QE04406J	4	RJ27658	5- 8	1/22/79	NASC 1	82- 85	2/23/79	C
9/ 6/78	SWR1031	ZET OPH	RCB	PE05860B	1	RJ27658	1- 4	1/22/79	NASC 1	78- 81	2/23/79	C
9/ 8/78	SWR1060	EPS ERI	CEJLL	RJ27760	1	RJ26578	21-26	1/22/79	NASC 1	21- 26	2/23/79	C
9/ 9/78	SWR1026	NGC4151	TRG	PE09615C	1	QK0001J	1- 5	1/22/79	NASC 1	59- 63	2/23/79	C
9/10/78	LWP1025	NGC4151	TRG	QE03808E	1	QK0001J	6-12	1/22/79	NASC 1	64- 70	2/23/79	C
9/10/78	SWR1035	URANUS	AVALL	PE08999G	1	RJ27620	6-10	1/22/79	NASC 1	129-133	2/24/79	C
9/12/78	SWR1022	ALF AUR	CEJLL	QE02933F	1	RJ26578	5- 6	1/22/79	NASC 1	5- 6	2/23/79	C
9/12/78	LWP1034	MARS	AVALL	QE16001	1	QK68968	1- 4	1/22/79	NASC 1	97-100	2/23/79	C
9/12/78	SWR1034	MARS	AVALL	QE00421	1	QK68968	9-13	1/22/79	NASC 1	105-109	2/23/79	C
9/12/78	LWP1035	MARS	AVALL	PE10097F	1	QK68968	5- 8	1/22/79	NASC 1	101-104	2/23/79	C
9/12/78	LWP1036	URANUS	AVALL	QE09708	1	QK6878E	1- 5	1/22/79	NASC 1	114-118	2/23/79	C
9/12/78	LWR1038	URANUS	AVALL	QE09001K	1	RJ27620	1- 5	1/22/79	NASC 1	124-128	2/24/79	C*
9/13/78	LWP1041	JUPITER	AVALL	QE04490	1	QK68968	14-17	1/22/79	NASC 1	110-113	2/23/79	C
9/13/78	SWR1045	LAM AUG	CEJLL	QE03461	1	RJ25572	7-13	1/22/79	NASC 1	7- 13	2/23/79	C
9/14/78	SWP1024	BD+75 325	HSSRH	QE04410G	1	RJ25524	8- 9	1/22/79	NASC 1	34- 35	2/23/79	C
9/14/78	SWR1050	BD226868	XSAKD	QE03541	1	RJ27090	13-20	1/22/79	NASC 1	145-152	2/24/79	C
9/15/78	LWP1022	ALF AUR	CEJLL	QE02440F	5	RJ26578	1- 4	1/22/79	NASC 1	1- 4	2/23/79	C
9/21/78	SWR1061	3C273	TRG	QE03608H	1	QK2053I	1- 7	1/22/79	NASC 1	195-201	2/24/79	C
9/22/78	SWR1058	NGC6826	HSSRH	QE05570H	3	RJ26946	1-18	1/22/79	NASC 1	165-182	2/24/79	C
9/22/78	SWR1059	55 CYG	HSSRH	PE09956K	1	RJ25524	15-30	1/22/79	NASC 1	41- 56	2/23/79	C
9/23/78	SWR1052	NGC7027	RCB	QE03377F	1	RJ27658	9-15	1/22/79	NASC 1	86- 92	2/23/79	C
9/23/78	SWR1053	HD 93521	RCB	QE03388K	1	RJ27658	16-19	1/22/79	NASC 1	93- 96	2/23/79	C
9/23/78	SWR1056	HZ BER-	XSAKD	PQ01129D	1	QK6832A	6-12	1/22/79	NASC 1	158-164	2/24/79	C
9/23/78	SWR1057	HZ 43	HSSRH	PQ01132C	1	RJ25524	1- 7	1/22/79	NASC 1	27- 33	2/23/79	C
9/24/78	SWP1140	NGC6826	HSSRH	PE10088F	1	RJ26946	19-23	1/22/79	NASC 1	183-187	2/24/79	C
9/30/78	SWR1066	MOON	AVALL	PE12741B	1	RJ27620	15-21	1/22/79	NASC 1	138-144	2/24/79	C
10/ 9/78	LWR1027	3C273	TRG	PE09906	1	QK2053I	8-14	1/22/79	NASC 1	202-208	2/24/79	C
10/ 9/78	LWR1030	MOON	AVALL	PE09890	1	RJ27620	11-14	1/22/79	NASC 1	134-137	2/24/79	C
10/ 9/78	SWR1051	HZ BER	XSAKD	QE03909A	1	QK6832A	1- 5	1/22/79	NASC 1	153-157	2/24/79	C
10/20/78	SWR1049	NGC1068	TRG	QE03323A	1	QK0001J	13-19	1/22/79	NASC 1	71- 77	2/23/79	C
10/26/78	SWP1304	ALF AUR	CEJLL	PE04415D	1- 3	PF10105	1- 3	12/28/78	NAS 1	1- 3	1/ 9/79	
10/27/78	SWP1305	ALF AUR	CEJLL	PE04476J	4- 6	PF10106	4- 6	12/28/78	NAS 1	4- 6	1/ 9/79	
10/29/78	SWP1311	ALF ORI	CEJLL	PE02241D	1- 4	PE2249J	1- 5	12/28/78	NAS 1	34- 38	1/16/79	
10/29/78	SWP1312	ALF ORI	CEJLL	PE02241D	5- 8	PE2249J	6-10	12/28/78	NAS 1	39- 43	1/16/79	
10/29/78	SWP1315	HD124897	CEJLL	PE02291D	10-13	RJ25308	1- 5	12/28/78	NAS 1	91- 95	1/16/79	
10/31/78	SWP1306	ALF CMI	CEJLL	PE03045A	1- 4	PE04372E	11-15	12/28/78	NAS 1	15- 19	1/15/79	
11/ 1/78	SWP1313	NGC1514	HSSRH	PE02020H	3- 6	PE2054J	1- 5	12/28/78	NAS 1	44- 48	1/16/79	
11/ 1/78	SWP1314	NGC2392	HSSRH	PE02020H	7- 8	PE2054J	6-14	12/28/78	NAS 1	49- 57	1/16/79	
11/ 1/78	SWP1322	ABELL 78	HSSRH	PE02237G	5- 8	PE2054J	15-19	12/28/78	NAS 1	58- 62	1/16/79	
11/ 1/78	SWP1323	BD+25 4655	HSSRH	PE05012E	4- 6	PF5004H	4- 6	12/28/78	NAS 1	104-106	1/16/79	
11/ 1/78	SWP1324	BD+28 4211	HSSRH	PE05012E	7- 9	PF5004H	7- 9	12/28/78	NAS 1	107-109	1/16/79	
11/ 1/78	SWP1325	BD+28 4211	HSSRH	PE02237G	9-12	PE2054J	20-24	12/28/78	NAS 1	63- 67	1/16/79	
11/ 1/78	SWP1328	NGC6543	HSSRH	PE08487	2- 7	PE04475B	4-12	12/ 6/78	NAS 1	134-142	1/16/79	
11/ 1/78	SWP1337	SATURN RINGS	AVALL	PE10053A	1- 6	PE04431D	3-11	1/17/79	NAS 1	266-274	1/19/79	
11/ 1/78	SWP1338	SATURN	AVALL	PE10046J	1- 4	PE04475B	11-15	12/ 6/78	NAS 1	143-145	1/16/79	
11/ 2/78	SWP1330	MARS	AVALL	PE10053A	7-12	PE04431D	12-20	1/17/79	NAS 1	275-283	1/19/79	
11/ 3/78	SWP1316	HD124897	CEJLL	PE02291D	14-15	RJ25308	6-10	12/28/78	NAS 1	96-100	1/16/79	
11/ 3/78	SWP1317	ALF CMI	CEJLL	PE05012E	1- 3	PF5040H	1- 3	12/28/78	NAS 1	101-103	1/16/79	
11/ 4/78	SWP1318	ALF CMI	CEJLL	PE02041I	8-11	PE2036C	10-14	12/28/78	NAS 1	119-123	1/16/79	
11/ 4/78	SWP1319	ALF CMI	CEJLL	PE02041I	12-15	PE2036C	15-19	12/28/78	NAS 1	124-128	1/16/79	
11/ 4/78	SWP1320	ALF CMI	CEJLL	PE02041I	16-16	PE2036C	20-24	12/28/78	NAS 1	129-133	1/16/79	
11/ 4/78	SWP1326	BR TEL	HSSRH	PE02041I	1- 7	PE2036C	1- 9	12/28/78	NAS 1	110-118	1/16/79	

APPENDIX I

NSSDC IMAGE DATABASE FORMAT

PART 3 - ORDERED BY CAMERA/IMAGE SEQUENCE

AS SENT TO SRC & ESA

I U E D A T A B A S E I N D E X E D B Y C A M E R A / I M A G E S E Q U E N C E

IMAGE #	OBJECT	PROG.	IUE PHOTOGR. TAPE ID	FILES	IUE ARCHIVE TAPE ID	FILES	RELEASE DATE	NSSDC DELIVERY DATE	NSSDC TAPE ID	FILES	REBLOCK DATE	NOTE(S)
SWP3425	HD 21291	ES2AS	QY1940J	1- 3	QY4857G	1- 8	9/27/79	4/27/79	NAS 27	55- 62	6/19/79	
SWP3430	NGC1275	GQJBO	QY3131K	10-12	QY4857G	45-49	10/ 4/79	4/27/79	NAS 27	91- 95	6/19/79	
SWP3431	HZ 44	BSJLG	QY3131K	1- 3	QY4857G	27-31	10/12/79	4/27/79	NAS 27	81- 85	6/19/79	
SWP3432	HZ 44	BSJLG	QY3131K	4- 6	QY4857G	32-36	/ /	4/27/79	NAS 27	86- 90	6/19/79	
SWP3452	NGC1275	GQJBO	QY8025A	1- 3	QY5559K	1- 5	10/ 3/79	4/ 6/79	NAS 27	125-129	6/19/79	
SWP3453	BD+29 4211	PHCAL	QY5569G	1- 3	QY1942F	11-18	10/ 2/79	4/13/79	NAS 27	252-259	6/19/79	
SWP3454	BD+28 4211	PHCAL	QY5569G	4- 6	QY1942F	19-23	10/ 4/79	4/13/79	NAS 27	260-264	6/19/79	
SWP3456	BD+75 325	PHCAL	QY5569G	10-12	QY1942F	32-39	9/29/79	4/13/79	NAS 27	273-280	6/19/79	
SWP3457	BD+75 325	PHCAL	QY1920G	1- 3	QU3744D	1- 5	10/ 7/79	4/27/79	NAS 28	211-215	6/23/79	
SWP3458	TF CALWL	PHCAL	QE3856E	2- 4	QP2797QC	1- 2	10/08/79	4/27/79	NAS 28	259-260	6/23/79	
SWP3459	BD+75 325	PHCAL	QY1920G	4- 6	QU3744D	6-10	10/ 7/79	4/27/79	NAS 28	216-220	6/23/79	
SWP3466	HD188001	ES2AS	QP3875J	10-12	QP3200P	1- 5	10/ 7/79	4/27/79	NAS 28	281-285	6/27/79	
SWP3472	MKN 54	GQJBO	QY4866E	1- 3	QP1215D	1- 5	10/ 7/79	4/27/79	NAS 29	269-273	6/30/79	
SWP3473	BD+39 4926	BSJLG	QY4802E	1- 3	QP1215D	1- 5	2/13/80	4/27/79	NAS 29	176-180	6/30/79	
SWP3474	BD+39 4926	BSJLG	QY4802E	4- 6	QP1215D	6-10	10/ 7/79	4/27/79	NAS 29	181-185	6/30/79	
SWP3475	G191-B2B	BSJLG	QY4802E	7- 9	QP1215D	11-15	10/ 7/79	4/27/79	NAS 29	186-190	6/30/79	
SWP3476	GD 298	ESJLG	QY4802E	10-12	QP1215D	16-20	/ /	4/27/79	NAS 29	191-195	6/30/79	
SWP3477	GD 298	BSJLG	QP7972J	1- 3	QP1215D	21-25	/ /	4/27/79	NAS 29	196-200	6/30/79	
SWP3491	MKN 10	GQJBO	QY4866E	4- 6	QY3182K	6-10	10/ 7/79	4/27/79	NAS 29	274-278	6/30/79	
SWP3492	GD 299	BSJLG	QY4828F	1- 3	QY4827H	1- 5	7/30/79	4/27/79	NAS 30	81- 85	7/10/79	
SWP3493	FEIGE 34	BSJLG	QP7972J	4- 6	QP1215D	26-30	/ /	4/27/79	NAS 29	201-205	6/30/79	
SWP3494	BD+67 3007	BSJLG	QY5543E	1- 3	QP1215D	31-35	10/ 9/79	4/27/79	NAS 29	206-210	6/30/79	
SWP3495	BD+36 2242	BSJLG	QY5543E	4- 6	QP1215D	36-40	10/ 7/79	4/27/79	NAS 29	211-215	6/30/79	
SWP3496	BD+36 2242	BSJLG	QY5543E	7- 9	QP1215D	41-45	10/ 7/79	4/27/79	NAS 29	216-220	6/30/79	
SWP3501	ETA UMA	PHCAL	QY4842J	1- 3	QY7958D	25-32	10/11/79	4/27/79	NAS 30	140-147	7/11/79	
SWP3502	BD+33 2642	PHCAL	QY4871K	10-12	QY7958D	17-24	10/11/79	4/27/79	NAS 30	132-139	7/11/79	
SWP3507	WZ SGE	GD8AB	QY7S38C	4- 6	QY7989A	1- 8	10/11/79	4/27/79	NAS 30	148-155	7/11/79	
SWP3511	JUPITER	OPHWM	QY8051H	4- 6	QY5547H	1- 5	10/15/79	4/27/79	NAS 32	115-119	7/27/79	
SWP3512	JUPITER	OPHWM	QU3755I	10-12	QM3080K	1- 8	1/ 7/80	4/27/79	NAS 28	137-144	6/23/79	
SWP3513	JUPITER	OPHWM	QY8044F	1- 3	QM3080K	9-16	9/25/79	4/27/79	NAS 28	145-152	6/23/79	
SWP3514	JUPITER	OPHWM	QY8051H	7- 9	QY5547H	6-13	10/11/79	4/27/79	NAS 32	120-127	7/28/79	
SWP3515	JUPITER	OPHWM	QY8044F	4- 6	QM3080K	17-24	9/27/79	4/27/79	NAS 28	153-160	6/23/79	
SWP3516	JUPITER	OPHWM	QY8051H	10-12	QY5547H	14-21	10/11/79	4/27/79	NAS 32	128-135	7/28/79	
SWP3520	M 31	CMHMJ	QP3856E	12-14	QP797QC	9-16	10/ 8/79	4/27/79	NAS 28	267-274	6/27/79	
SWP3521	R AQR	CMHMJ	QY8000H	1- 3	QY7986G	17-24	10/10/79	4/27/79	NAS 32	62- 69	7/27/79	
SWP3522	ABS41422	CMHMJ	QP3824J	1- 3	QP797QC	17-19	8/09/79	4/27/79	NAS 28	275-277	6/27/79	
SWP3528	GAM CYG B	AFEEV	RAD287H	1- 3	QY8042J	6-13	10/14/79	4/27/79	NAS 32	91- 98	7/27/79	
SWP3529	ALF PER	AFEEV	RAD287H	4- 6	QY8042J	14-21	10/14/79	4/27/79	NAS 32	99-106	7/27/79	
SWP3530	THE LEP	AFEBV	RAD287H	7- 9	QY8042J	22-29	10/14/79	4/27/79	NAS 32	107-114	7/27/79	
SWP3531	HD 76932	AFEBV	QY4892G	1- 3	QY8042J	1- 5	8/ 9/79	4/27/79	NAS 32	86- 90	7/27/79	
SWP3532	NOVA CYG	GD6AB	QP0123F	1- 3	QY7997A	24-31	1/ 9/80	4/27/79	NAS 31	355-362	7/27/79	
SWP3533	WZ SGE	OD8AB	QY7991N	4- 6	QY7989A	17-24	10/11/79	4/27/79	NAS 30	164-171	7/11/79	
SWP3541	HD 56925	CMHMJ	QY8000H	4- 6	QY7986G	25-32	10/14/79	4/27/79	NAS 32	70- 77	7/27/79	
SWP3542	AG CAR	CMHMJ	QY8000H	7- 9	QY7986G	33-40	10/14/79	4/27/79	NAS 32	78- 85	7/27/79	
SWP3545	NGC 221	CMHMJ	QY4866E	8-10	QY3182K	13-20	10/ 7/79	4/27/79	NAS 29	281-288	6/30/79	
SWP3549	PKS0405	IM2MS	QY4828F	7- 9	QY4827H	11-15	10/ 9/79	4/27/79	NAS 30	91- 95	7/11/79	
SWP3553	PG1247+26	IM2MS	QY4828F	10-12	QY4827H	16-20	10/ 9/79	4/27/79	NAS 30	96-100	7/11/79	
SWP3554	PKS0405	IM2MS	QY8032C	1- 3	QY4827H	21-25	10/ 9/79	4/27/79	NAS 30	101-105	7/11/79	
SWP3555	BD+28 4211	PHCAL	QP0123F	4- 6	QY7997A	32-39	1/ 8/80	4/27/79	NAS 31	363-370	7/27/79	
SWP3559	SATURN	OPHWM	QY7981F	1- 3	QY5547H	22-29	1/ 8/80	4/27/79	NAS 32	136-143	7/28/79	
SWP3560	JUPITER	OPHWM	QY7981F	4- 6	QY5547H	30-37	1/ 8/80	4/27/79	NAS 32	144-151	7/28/79	
SWP3561	JUPITER	OPHWM	QY7981F	7- 9	QY5547H	38-45	1/ 8/80	4/27/79	NAS 32	152-159	7/28/79	
SWP3562	JUPITER	OPWHM	QY7981F	10-12	QY8034J	1- 8	1/ 8/80	4/27/79	NAS 31	301-308	7/27/79	
SWP3563	JUPITER	OPWHM	QY8009A	1- 3	QY8034J	9-16	1/ 8/80	4/27/79	NAS 31	309-316	7/27/79	
SWP3564	SKY	OPWHM	QY9C09A	4- 6	QY8034J	17-24	1/ 8/80	4/27/79	NAS 31	317-324	7/27/79	
SWP3569	1302-10	IM2MS	QY7951G	1- 3	QY8034J	25-29	10/ 9/79	4/27/79	NAS 31	325-329	7/27/79	
SWP3572	GAM VEL	LSDKW	RA2250B	1- 3	QS6417F	13-15	10/11/79	4/ 6/79	NAS 28	88- 90	6/23/79	
SWP3576	NULL	PHCAL	RA9854J	10-12	RA9867K	1- 8	10/14/79	5/11/79	NAS 38	155-162	8/29/79	
SWP3577	NULL	PHCAL	RA9804H	1- 3	RA9867K	9-16	9/23/79	5/11/79	NAS 38	163-170	8/29/79	
SWP3578	HD 36959	RSLWK	RA2207H	7- 9	QM4804J	8-10	1/ 7/80	4/27/79	NAS 32	220-222	7/30/79	
SWP3579	PG1115+08	IM2MS	QY7970A	4- 6	QY7997A	9-13	10/ 7/79	4/27/79	NAS 31	340-344	7/27/79	
SWP3581	HD 36959	RSLWK	RA2207H	10-12	QM4804J	11-13	10/15/79	4/27/79	NAS 32	223-225	7/30/79	
SWP3582	HD 35708	RSLWK	RA2207H	1- 3	QM4804J	2- 4	11/14/79	4/27/79	NAS 32	214-216	7/30/79	
SWP3583	HD147394	RSLWK	RA2207H	4- 6	QM4804J	5- 7	1/ 7/80	4/27/79	NAS 32	217-219	7/30/79	
SWP3588	HD 8890	CCAKD	RA2276D	1- 3	RA2289E	1- 5	10/ 8/79	4/27/79	NAS 32	226-230	7/31/79	
SWP3589	HD 6860	CCAKD	RA2276D	4- 6	RA2289E	6-10	10/ 8/79	4/27/79	NAS 32	231-235	7/31/79	
SWP3590	HD 8890	CCAKD	RA2276D	7- 9	RA2289E	11-15	10/ 8/79	4/27/79	NAS 32	236-240	7/31/79	
SWP3596	ZET CYG	CCAKD	RA2276D	10-12	RA2289E	16-20	10/ 7/79	4/27/79	NAS 32	241-245	7/31/79	
SWP3597	ETA DRA	CCAKD	RA2231H	1- 3	RA2289E	21-25	10/ 7/79	4/27/79	NAS 32	246-250	7/31/79	
SWP3598	WZ SGE	OD8AB	RA2231H	4- 6	RA2289E	26-30	10/ 7/79	4/27/79	NAS 32	251-255	7/31/79	

APPENDIX I
NSSDC IMAGE DATABASE FORMAT
PART 4 - ORDERED BY OBJECT ID
AS SENT TO SRC

I U E D A T A B A S E I N D E X E D B Y O B J E C T

OBJECT	IMAGE #	PROG.	IUE PHOTOW. TAPE ID	FILES	IUE ARCHIVE TAPE ID	FILES	RELEASE DATE	NSSDC DELIVERY DATE	NSSDC TAPE ID	FILES	REBLOCK DATE	NOTE(S)
BD+48 1777	SWP2925	HRDAK	QU3730E	1- 3	QU3731C	19-26	6/ 3/79	4/ 6/79	NAS 24	116-123	5/ 3/79	
BD+50 1631	SWP1771	ALEEJ	QM3C45M	4- 6	PJ28899D	13-15	3/20/79	12/ 8/78	NAS 8	82- 84	3/ 4/79	
BD+60 2522	LWR2067	CMHMJ	QE4321G	1- 3	QP43498E	2- 9	6/27/79	2/22/79	NAS 14	1- 8	3/24/79	
BD+60 2522	SWP2229	CMHMJ	QS1177I	7- 9	QP43068E	22-29	7/25/79	2/22/79	NAS 13	282-289	3/21/79	
BD+61 154	LWR2496	LABDS	QU3581J	1- 3	QU3582H	1- 8	6/28/79	3/30/79	NAS 22	211-219	4/28/79	
BD+61 154	LWR2497	LABDS	QU3581J	4- 6	QU3582H	9-13	6/ 3/79	3/30/79	NAS 22	219-223	4/28/79	
BD+61 154	SWP2800	LABDS	QU5026J	1- 3	QU3377G	9-13	6/11/79	3/30/79	NAS 24	220-224	5/ 4/79	
BD+75 325	LWR1024	HSSRH	QE5410J	1	PJ2552A	10-14	9/ 3/78	1/22/79	NASC 1	36- 40	2/23/79	C
BD+75 325	SWR1024	HSSRH	QF5418G	1	PJ2552A	8- 9	9/14/78	1/22/79	NASC 1	34- 35	2/23/79	C
BD+75 325	LWR1522	PHCAL	QM8425A	7- 9	QM8462B	1- 8	1/31/79	1/11/79	NAS 6	207-214	2/28/79	
BD+75 325	SWP1583	PHCAL	QM8493J	1- 3	QM8448I	21-28	1/31/79	1/11/79	NAS 6	165-172	2/28/79	
BD+75 325	LWR2568	PHCAL	QM4230G	4- 6	QU3771I	21-30	7/30/79	3/30/79	NAS 21	265-274	4/26/79	
BD+75 325	LWR2570	PHCAL	QC3784J	7- 9	QU3735B	11-18	10/ 8/79	4/ 6/79	NAS 26	96-103	6/12/79	
BD+75 325	LWR2789	PHCAL	QY55535E	1- 3	QY55596A	1- 8	9/18/79	4/ 6/79	NAS 29	147-154	6/29/79	
BD+75 325	LWR2790	PHCAL	QY55535E	4- 6	QY55596A	9-16	9/18/79	4/ 6/79	NAS 29	155-162	6/29/79	
BD+75 325	LWR2791	PHCAL	QY55535E	7- 9	QY55596A	17-24	9/18/79	4/ 6/79	NAS 29	163-170	6/30/79	
BD+75 325	LWR2793	PHCAL	QY55535E	10-11	QY55596A	25-29	9/18/79	4/ 6/79	NAS 29	171-175	6/30/79	
BD+75 325	SWP2900	PHCAL	QU3726H	1- 3	QU3737B	1- 8	6/11/79	3/30/79	NAS 23	16- 23	5/ 1/79	
BD+75 325	SWP2996	PHCAL	QU3564A	1- 3	QU5644B	1- 8	6/25/79	4/ 6/79	NAS 27	96-103	6/19/79	
BD+75 325	LWR3035	PHCAL	QY8063K	4- 6	QY5559K	29-36	10/ 4/79	4/ 6/79	NAS 27	153-160	6/19/79	
BD+75 325	LWR3036	PHCAL	QY8064K	7- 9	QY1942F	1- 5	10/ 9/79	4/13/79	NAS 27	242-246	6/19/79	
BD+75 325	LWR3038	PHCAL	QY8066K	10-12	QY1942F	6-10	10/ 4/79	4/13/79	NAS 27	247-251	6/19/79	
BD+75 325	SWP3184	PHCAL	QY5509I	4- 6	QY5598H	6-13	4/13/79	4/ 6/79	NAS 28	321-328	6/27/79	
BD+75 325	SWP3185	PHCAL	QY5509I	7- 9	QY5598H	14-21	4/13/79	4/ 6/79	NAS 28	329-336	6/27/79	
BD+75 325	SWP3186	PHCAL	QY5509I	10-12	QY5598H	22-29	4/13/79	4/ 6/79	NAS 28	337-344	6/27/79	
BD+75 325	SWP3187	PHCAL	QY1954I	1- 3	QY5598H	30-37	4/13/79	4/ 6/79	NAS 28	345-352	6/27/79	
BD+75 325	SWP3188	PHCAL	QY1954I	4- 6	QY5598H	38-45	4/13/79	4/ 6/79	NAS 28	353-360	6/27/79	
BD+75 325	SWP3456	PHCAL	QY5569G	10-12	QY1942F	32-39	9/29/79	4/13/79	NAS 27	203-210	6/19/79	
BD+75 325	SWP3457	PHCAL	QY1920G	1- 3	QU3744D	1- 5	10/ 7/79	4/27/79	NAS 28	211-215	6/23/79	
BD+75 325	SWP3459	PHCAL	QY1920G	4- 6	QU3744D	6-10	10/ 7/79	4/27/79	NAS 28	216-220	6/23/79	
BD-02 3766	SWP1777	ALEEJ	QM3018A	7- 9	QI6237E	4- 6	3/11/79	12/ 8/78	NAS 9	25- 27	3/ 7/79	
BD-07 3007	SWP1671	ESJIG	QM2268C	9-14	QM2239D	1- 8	1/ 8/79	1/17/79	NAS 7	142-149	3/ 4/79	
BD-07 3007	LWR3071	BSJIG	QY1988K	1- 3	QY3849C	11-15	10/ 7/79	4/27/79	NAS 29	137-141	6/29/79	
BD-07 3007	SWP3494	BSJIG	QY5543E	1- 3	QP12150	31-35	10/ 9/79	4/27/79	NAS 29	206-210	6/30/79	
BD-11 162	SWP1666	BSJIG	QS2285A	3- 8	QM2296J	4-11	1/ 9/79	1/17/79	NAS 7	230-237	3/ 4/79	
BD-11 162	LWR3323	DSJIG	RA4599K	1- 3	RA4574G	16-20	8/30/79	4/27/79	NAS 34	345-349	8/13/79	
BD-11 162	LWR3324	DSJIG	RA4599K	10-12	RA4574G	31-35	10/21/79	4/27/79	NAS 34	350-354	8/13/79	
BD-11 162	SWP3739	ESJIG	RA4516E	7- 9	RA4449F	11-18	8/27/79	4/27/79	NAS 34	355-362	8/13/79	
BET AND	SWP3647	CCAKD	QY1937B	7- 9	QY7902C	17-21	2/ 9/79	4/27/79	NAS 33	144-148	8/ 3/79	
BET AQR	SWP1422	AFEBV	QF9367J	7-10	QI1331K	16-20	12/14/78	1/ 5/79	NAS 2	200-204	1/27/79	
BET AQR	SWP1622	AFEBV	QK8071H	1- 6	QK7456A	1- 8	1/ 9/79	1/11/79	NAS 7	69- 75	3/ 3/79	
BET AQR	LWR3207	CCAKD	QY7943G	4- 6	QM3073I	7- 9	/ /	4/27/79	NAS 33	160-162	8/ 3/79	
BET AQR	SWP3646	CCAKD	QY1937B	10-12	QY7902C	22-26	8/30/79	4/27/79	NAS 33	149-153	8/ 3/79	
BET AQR	SWP3716	SGSBP	RA4457I	4- 6	RA4582G	9-13	9/19/79	4/27/79	NAS 32	333-337	8/10/79	
BET ARA	LWR1517	CCAKD	QK8073D	8-10	QS9757E	22-24	3/21/79	12/ 8/78	NAS 5	289-291	2/28/79	
BET ARA	SWP1576	CCAKD	QK7996K	12-15	QK7979B	6-10	1/ 1/79	1/11/79	NAS 6	99-103	2/28/79	
BET CAS	SWP2372	CEJIL	QS6409F	4- 6	QS6405C	12-16	8/30/79	3/16/79	NAS 17	96-100	4/11/79	
BET CAS	SWP2373	CEJIL	QS6409F	1- 3	QS6405C	7-11	8/26/79	3/16/79	NAS 17	91- 95	4/11/79	
BET CEP	SWP2928	HRDAK	QU3341I	11-13	PJ8816J	1- 3	7/13/79	3/30/79	NAS 26	237-239	6/13/79	
BET CEP	SWP2929	HRDAK	QU4290E	1- 3	PJ8816J	4- 6	9/10/79	3/30/79	NAS 26	240-242	6/13/79	
BET CEP	SWP2930	HRDAK	QU4290E	4- 6	PJ8816J	7- 9	9/30/79	3/30/79	NAS 26	243-245	6/13/79	
BET CEP	SWP2931	HRDAK	QU4290E	7- 9	PJ8816J	10-12	10/ 7/79	3/30/79	NAS 26	246-248	6/13/79	
BET CEP	SWP2932	HRDAK	QU4290E	10-12	PJ8816J	13-15	8/30/79	3/30/79	NAS 26	249-251	6/13/79	
BET CEP	SWP2933	HRDAK	QU4250J	1- 3	PJ8816J	16-18	8/30/79	3/30/79	NAS 26	252-254	6/13/79	
BET CEP	SWP2934	HRDAK	QU4250J	4- 6	PJ8816J	19-21	8/30/79	3/30/79	NAS 26	255-257	6/13/79	
BET CEP	SWP2935	HRDAK	QU4250J	7- 9	PJ8816J	22-24	9/30/79	3/30/79	NAS 26	258-260	6/13/79	
BET CET	SWP2371	CEJIL	QS6409F	7- 9	QS6405C	17-21	8/30/79	3/16/79	NAS 17	101-105	4/11/79	
BET COM	LWR2797	MGLBD	QY1948E	4- 6	PJ2534E	17-19	10/ 8/79	4/ 6/79	NAS 29	110-112	6/29/79	
BET CRV	LWR1512	CCAKD	QK8073D	5- 7	QS9757E	19-21	3/21/79	12/ 8/78	NAS 5	286-288	2/28/79	
BET CRV	SWP1571	CCAKD	QK2089G	8-11	QK2100E	8-12	12/26/78	1/11/79	NAS 6	6- 10	2/28/79	
BET CRV	SWP1572	CCAKD	QK7996K	8-11	QK7979B	1- 5	1/19/79	1/11/79	NAS 6	94- 98	2/28/79	
BET CVN	LWR2777	MGLBD	QY1966A	10-12	QP9582E	19-21	7/18/79	4/ 6/79	NAS 29	62- 64	6/29/79	
BET DOR	LWR3231	SGSBP	RA4445C	4- 6	QM3073I	22-24	12/31/79	4/27/79	NAS 33	175-177	8/ 3/79	
BET DOR	LWR3232	SGSBP	QY7950I	4- 6	RA0236H	29-36	8/30/79	4/27/79	NAS 33	211-218	8/ 3/79	
BET DOR	LWR3238	SGSEP	RA8284G	7- 9	RA8348G	38-45	10/10/79	5/ 4/79	NAS 37	137-144	8/24/79	
BET DOR	LWR3238	SGSBP	RA4423D	7- 9	RA0260H	9-16	10/10/79	4/27/79	NAS 34	67- 74	8/ 7/79	
BET DOR	LWR3245	SGSBP	RA0261F	4- 6	RA4435G	30-37	10/11/79	4/27/79	NAS 33	298-305	8/ 3/79	
BET DOR	LWR3246	SGSBP	RA0261F	1- 3	RA4435G	22-29	10/11/79	4/27/79	NAS 33	290-297	8/ 3/79	
BET DOR	LWR3253	SGSEP	QY7911A	1- 3	RA0283E	9-16	10/11/79	4/27/79	NAS 33	322-329	8/ 3/79	
BET DOR	LWR3254	SGSEP	QY7911A	4- 6	RA0267B	1- 6	10/11/79	4/27/79	NAS 34	1- 6	8/ 7/79	S

APPENDIX J

GSFC OBSERVATORY LOG AND MERGED LOG TAPE FORMAT

Note that in the merged log, bytes 21 through 25 (*) and bytes 107 through 252 (**) are blank for VILSPA image entries.

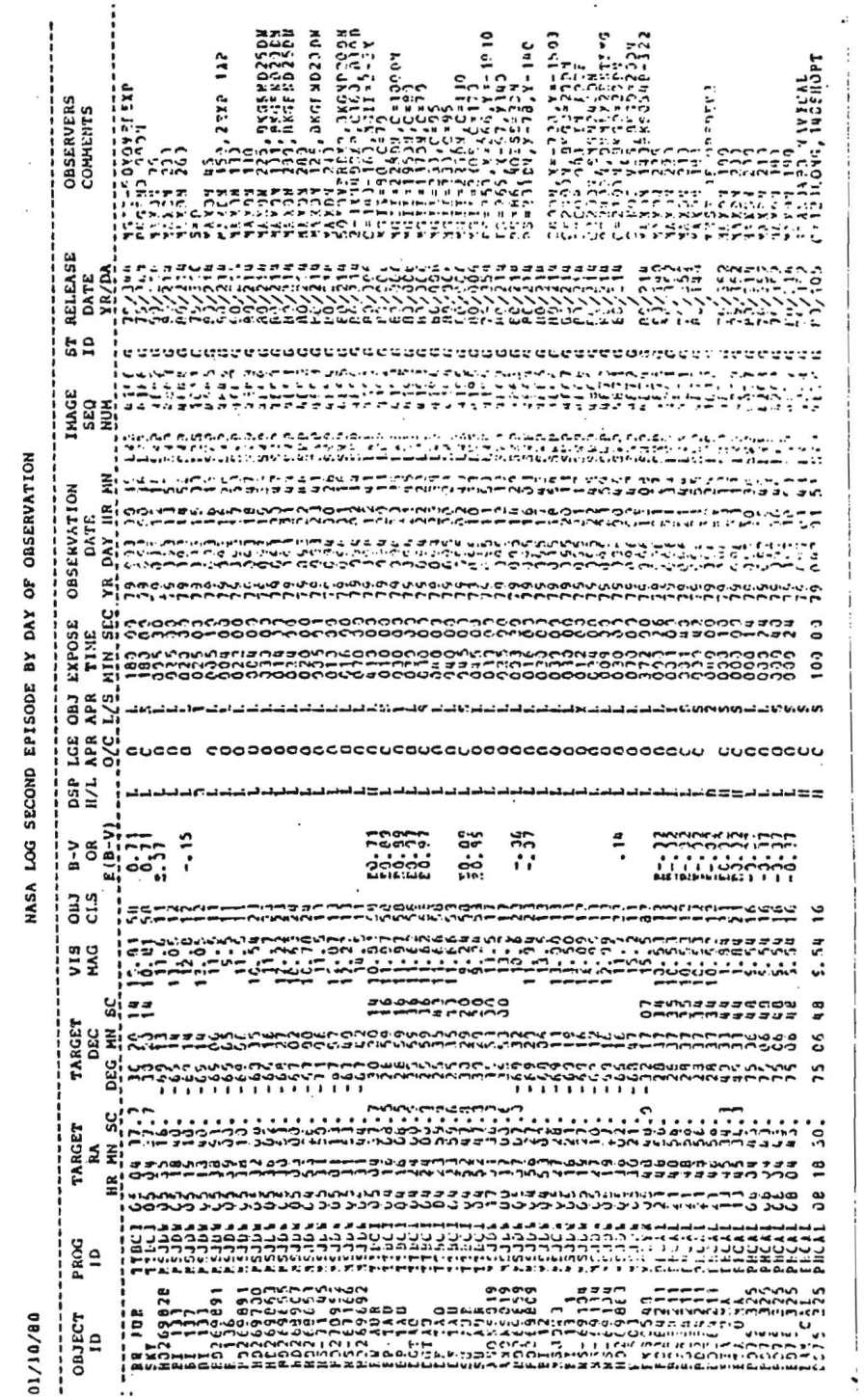
	FIELD	LENGTH	BEGIN	END
	DATE			
	YEAR	2	1	2
	DAY	3	3	5
	MONTH	2	6	7
	MINUTE	2	8	9
	CAMERA	3	10	12
	IMAGE SEQUENCE NO.	6	13	18
	APERTURE	1	19	19
	DISPERSION	1	20	20
(*)	SORT CODE	6	21	26
	PROGRAM ID	5	27	31
	OBJECT ID	8	32	39
	RIGHT ASCENSION			
	HOUR	2	40	41
	MINUTE	2	42	43
	SECOND	2	44	45
	TENTH	1	46	46
	DECLINATION			
	SIGN	1	47	47
	DEGREE	2	48	49
	MINUTE	2	50	51
	SECOND	2	52	53
	VISUAL MAGNITUDE	5	54	58
	SPECTRAL TYPE	4	59	62
	LUMINOSITY CLASS	2	63	64
	OBJECT CLASS	2	65	66
	B-V E(B-V)	5	67	71
	LARGE APERTURE	1	72	72
	EXPOSURE TIME			
	MINUTE	3	73	75
	SECOND	2	76	77
	STATION ID	1	78	78
	COMMENTS	20	79	98
	G.O. NAME	8	99	106
(**)	SIGMA-9 DAY PROC	5	107	111
(**)	360 DAY PROC	5	112	116
(**)	SOC TAPE FILE	7	117	123
(**)	YR/DAY	5	124	128
(**)	RECEIPT	1	129	129
(**)	TO GLENDALE	5	130	134
(**)	PHOTOWRITE TAPE/FILE	11	135	145
(**)	YR/DAY	5	146	150
(**)	RECEIPT	1	151	151
(**)	CALCOMP TAPE FILE	11	152	162
(**)	YR/DAY	5	163	167
(**)	RECEIPT	1	168	168
(**)	GO TAPE/FILE	11	169	179
(**)	YR/DAY	5	180	184
(**)	RECEIPT	1	185	185
(**)	SPECTRA COMPLETE	5	186	190
(**)	RELEASE DATE	5	191	195
(**)	FINAL SHIP DATE	5	196	200
(**)	PHOTWRITE TO NSSDC	5	201	205
(**)	GO ARCHIVAL TAPE	11	206	216
(**)	YR/DAY	5	217	221
(**)	TO NSSDC	5	222	226
(**)	NSSDC INFORMATION	20	227	246
(**)	SEQUENTIAL NUMBER	5	247	251
(**)	FLAG	1	252	252

APPENDIX K

GSFC OBSERVATORY LOG PRINTOUT FORMAT

AND

MERGED LOG PRINTOUT FORMAT



APPENDIX L

VILSPA OBSERVATORY LOG TAPE FORMAT

The tape contains one 80 byte record per log entry. The last record is followed by at least two consecutive end-of-file marks. Each record is sub-divided as follows:

BYTES	DESCRIPTION
1-8	Object Name
9-10	Object Classification
11-13	Magnitude in Tenths
14-15	Right Ascension (Hours)
16-17	Right Ascension (Minutes)
18-19	Right Ascension (Seconds)
20-22	Declination (Degrees)
23-24	Declination (Minutes)
25	Dispersion (H or L)
26	Camera Number
27-31	Image Number
32	Aperture (S or L) to Which Right Ascesion and Declination Apply
33	Large Aperture Status (O - Open, C - Closed)
34-35	Day of Month
36-40	Year
41-42	Exposure Start Time (Hours) Since GMT Midnight
43-44	Exposure Start Time (Mins.) Since GMT Midnight
45-46	Exposure Start Time (Secs.) Since GMT Midnight
47-49	Exposure Length (Mins.)
50-51	Exposure Length (Secs.)
52-56	Identifier for Observation Program
57-80	Comments (Especially abnormal prepare, camera operations or image quality)

OBJECT	CL	MAG	RT ASCN HR MN SC	DECLN DEG MN	DISP +CAM	IMAGE	APERT OB LG	DATE	START HR MN SC	LENGTH MIN SC	PROG	COMMENT	
+10 2179	25	9.6	10 36 17	+10 19	L 3	4825	L O	01APR79	04 54 48	3 00	KH001	50	411
+10 2179	25	9.6	10 36 17	+10 19	H 3	4826	L O	01APR79	05 26 33	150 00	KH001	50	423
+10 2179	25	9.6	10 36 17	+10 19	L 2	4168	L O	01APR79	08 01 02	3 00	KH001	50	465
+10 2179	25	9.6	10 36 17	+10 19	H 2	4169	L O	01APR79	08 49 30	148 00	KH001	50	433
3C 390.3	86	15.4	18 45 38	+79 44	L 2	4180	L O	02APR79	05 42 08	200 00	UK016	22	
3C 390.3	86	15.4	18 45 38	+79 44	L 3	4837	L O	02APR79	09 07 41	130 00	UK016	23	
HD 37776	21	7.0	05 38 24	-01 32	H 3	4839	L O	03APR79	04 19 48	11 00	JK119	50	6200
HD 37776	21	7.0	05 38 24	-01 32	H 2	4187	L O	03APR79	04 46 46	11 00	JK119	50	6200
HD 37479	21	6.7	05 36 16	-02 37	H 3	4840	L O	03APR79	05 50 17	8 00	JK119	50	7921
HD 37479	21	6.7	05 36 16	-02 37	H 2	4188	L O	03APR79	06 18 44	8 00	JK119	50	7921
LB 1526	16	12.0	23 31 20	-47 31	L 2	4189	L O	03APR79	08 06 06	150 00	JK119	80	
LB 1526	16	12.0	23 31 20	-47 31	L 3	4841	L O	03APR79	10 39 09	39 00	JK119	80	
3C 227	86	16.3	09 45 07	+07 39	L 3	4857	L O	04APR79	05 34 00	73 00	UK016	11	
3C 390.3	86	15.4	18 45 38	+79 44	L 2	4190	L O	04APR79	09 11 05	128 00	UK016	22	
-46 3093	21	9.8	08 48 00	-46 39	L 2	4196	L O	05APR79	04 31 35	7 00	JK119	70	350
-46 3093	21	9.8	08 48 00	-46 39	L 3	4858	L O	05APR79	04 56 29	12 00	JK119	70	350
-46 3093	21	9.8	08 48 00	-46 39	L 2	4197	L O	05APR79	05 18 34	3 00	JK119	50	350
-46 3093	21	9.8	08 48 00	-46 39	L 3	4859	L O	05APR79	06 04 57	4 00	JK119	50	350
HD127493	16	9.5	14 29 31	-22 26	H 3	4860	L O	05APR79	07 15 50	50 00	RK165	40	377
HD127493	16	9.5	14 29 31	-22 26	H 2	4198	L O	05APR79	08 12 01	75 00	RK165	40	377
HD128220	44	8.5	14 32 56	+19 26	H 3	4861	L O	05APR79	10 23 50	40 00	RK165	10	1425
3C 390.3	86	15.4	18 45 38	+79 44	L 2	4200	L O	06APR79	04 47 32	270 00	UK016	23	
3C 390.3	86	15.4	18 45 38	+79 44	L 3	4873	L O	06APR79	09 19 50	117 00	UK016	23	
HD 65339	36	6.0	07 57 27	+60 28	L 3	4879	S C	07APR79	04 47 54	1 00	VILSP	50	12067
HD 65339	36	6.0	07 57 27	+60 28	L 3	4879	L O	07APR79	04 54 06	1 00	VILSP	40	12067
HD 65339	36	6.0	07 57 27	+60 28	L 2	4206	L O	07APR79	04 58 47	25	VILSP	60	12216
HD 65339	36	6.0	07 57 27	+60 28	L 2	4206	S C	07APR79	05 03 17	40	VILSP	50	12216
HD 65339	36	6.0	07 57 27	+60 28	L 3	4880	S C	07APR79	05 54 27	1 00	VILSP	50	
HD 65339	36	6.0	07 57 27	+60 28	L 3	4880	L O	07APR79	06 00 24	1 00	VILSP	50	
HD 65339	36	6.0	07 57 27	+60 28	L 2	4207	L O	07APR79	06 05 06	25	VILSP	60	
HD 65339	36	6.0	07 57 27	+60 28	L 2	4207	S C	07APR79	06 10 12	40	VILSP	50	
HD 65339	36	6.0	07 57 27	+60 28	L 3	4881	S C	07APR79	07 08 01	1 00	VILSP	50	
HD 65339	36	6.0	07 57 27	+60 28	L 3	4881	L O	07APR79	07 13 54	1 00	VILSP	50	
HD 65339	36	6.0	07 57 27	+60 28	L 2	4208	L O	07APR79	07 18 11	25	VILSP	60	
HD 65339	36	6.0	07 57 27	+60 28	L 2	4208	S C	07APR79	07 23 28	40	VILSP	50	
NGC 2392	70	10.4	07 26 13	+21 01	L 3	4882	L O	07APR79	08 27 35	3 00	SP127	60	400
NGC 2392	70	10.4	07 26 13	+21 01	L 2	4209	L O	07APR79	09 15 22	1 40	SP127	50	400
NGC 2371	70	14.7	07 22 26	+29 35	L 3	4883	L O	07APR79	09 51 38	45 00	SP127	60	75
NGC 2371	70	14.7	07 22 26	+29 35	L 2	4210	L O	07APR79	10 51 43	26 00	SP127	30	75
0837-120	85	15.8	08 28 28	-12 04	L 2	4214	L O	08APR79	05 51 46	325 00	UK016	33	

APPENDIX N

SOCAR FORMAT

IUESIPS

SCIENTIFIC OPERATIONS CENTER ANOMALY REPORT (SOCAR)

AND SOFTWARE MODIFICATION NOTICE FOR IMAGE PROCESSING

XEROX SIGMA 9

Anomaly Number	Originator	Date
Image Number (if applicable)	Tape Number (if applicable)	GMT YEAR DAY HR. MIN.
Description of Anomaly or Modification		
Corrective Action (if applicable)		
Assignee Date:	Authorized by (RA) Date:	Authorized by (DAD) Date:
Resolution or Disposition		
Closed by (Assignee) Date:	Approved by (RA) Date:	Approved by (DAD) Date:
Instelled in Production System		
Date:	Time:	By:

APPENDIX O

SCHEME MODIFICATION REPORT FORMAT

IUE IMAGE PROCESSING CENTER

IUESIPS SCHEME MODIFICATION REPORT

Date:	Originator:	Report No.:
Scheme Name:		
Description of Modification:		
Justification for Modification:		
Impact Statement:		
APPROVAL		
Project Scientist Date	Data Analysis Director Date	IUE Task Leader Date
Implemented by:	Date:	Time:

APPENDIX P

VILSPA IMAGE PROCESSING SOFTWARE MODIFICATION REPORT

ORIGINATOR	REPORT NO:
PROGRAM NAME:	
DESCRIPTION OF MODIFICATION:	
REASON FOR MODIFICATION:	

APPROVAL		
OBSERVATORY CONTROLLER	OBSERVATORY ASSISTANT	IMAGE PROCESSING ANALYST
IMPLEMENTED BY:		DATE:

APPENDIX Q

VILSPA SCHEME MODIFICATION REPORT

ORIGINATOR:	REPORT NO:
SCHEME NAME:	
DESCRIPTION OF MODIFICATION:	
REASON FOR MODIFICATION:	

APPROVAL		
OBSERVATORY CONTROLLER	OBSERVATORY ASSISTANT	IMAGE PROCESSING ANALYST
IMPLEMENTED BY:	DATE:	

APPENDIX R

DISCREPANCY REPORT FORMAT

DISCREPANCY REPORT DATE _____

POCC _____ DISCREPANCY REPORT NO. _____ S/C _____

TEST TITLE — SITE — TIME _____

Problem Area: Software ( ) Hardware ( ) Other ( )

System Tape ID _____ Program Name _____

Type of hardware _____

Description of Discrepancy _____

_____

_____

_____

_____

Supporting data attached: Yes _____ No _____

If yes, Line Printer _____ Other _____

Originator _____

CCCM and/or CCSM review — Deficiency __, Operational change __, System Enhancement __

_____

_____

Action assigned to: _____ Date Assigned: _____

Supervisor _____ CCM _____

Resolution: _____

_____

_____

_____

_____

Additional action required: Yes _____ No _____

Remarks _____

_____

_____

Discrepancy resolved: Yes: _____ No _____

Discrepancy signed off by _____ Date _____
(CCCM and/or CCSM)

WS-183 (7/77)

APPENDIX S

REQUIREMENT CHANGE CONTROL FORMAT

REQUIREMENT CHANGE CONTROL

CONTROL NO. _____
DATE: _____

1. DESCRIPTION (PREPARED BY GSFC):
REQUIREMENT NO: _____ STATUS (CHECK): CHANGE _____ NEW _____ DELETE _____
SYSTEM ASSIGNMENT: _____
PROJECT INITIALS: _____
DESCRIPTION (CHECK IF ADDITIONAL PAGES ATTACHED) ☐

ANALYSIS REQUIRED BY (DATE) _____

2. ANALYSIS (PREPARE BY CSC):
DEVELOPMENT AREA NO: _____
STATUS (CHECK): CHANGE _____ NEW _____ DELETE _____ NO CHANGE _____
DESCRIPTION (CHECK IF ADDITIONAL PAGES ATTACHED ☐

IMPACT: MANPOWER _____ HRS
COMPUTER TIME _____ MINS
TOTAL ELAPSE TIME _____ DAYS

3. APPROVAL (PREPARED BY GSFC)
STATUS (CHECK): APPROVE _____ DISAPPROVE _____ DEFER _____
DATE: _____

APPENDIX T

LIST OF ACRONYMS, ABBREVIATIONS & DEFINITIONS

bpi	Bytes per inch
Catalog	Table of contents for archival tapes. File numbers vs. image number.
DMC	Data Management Center part of IUESOC
DR	Discrepancy Report
ESA	European Space Agency
GSFC	Goddard Space Flight Center part of NASA
ID	Identification, may be a number, letter or combination.
IPCC	Image Processing Control Center part of IUESOC
IRF	Instrumental Response Function
ITF	Intensity Transfer Function
IUE	International Ultraviolet Explorer (Satellite or program)
IUEOCC	IUE Operations Control Center
IUESOC	IUE Science Operations Center
LOG	List of observational data including object, G.O., position, comments, exposure time etc.
Microfiche	A photographic process for reproducing documents at reduced size.
NASA	The National Aeronautics & Space Administration of the U.S.
NSSDC	National Space Science Data Center at GSFC
OCC	Operations Control Center
Photowrite	A data processing system which generates photographic images, either negative or positive, from a data tape.
R.A.	Resident Astronomer
R.A.	Right Ascension

RCC	Requirements Change Control
SOC	Science Operations Center
SIPS	Spectral Image Processing System
SRC	Science Research Council of the United Kingdom
TOCC	Telescope Operations Control Center part of IUESOC
VBS	Variable, blocked with spanned logical records (Tape format)
VILSPA	Communications designator for the ESA tracking station at Villafranca del Castillo, near Madrid, in Spain. Also, more specifically, the satellite control center at that site.