

GEORGE HANUSCHAK'S  
COPY

# AgRISTARS

A Joint Program for  
Agriculture and  
Resources Inventory  
Surveys Through  
Aerospace  
Remote Sensing

---

Technical Program Plan  
Appendix B

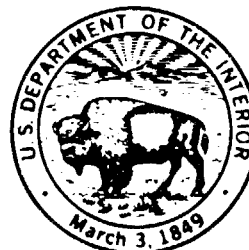
Data Management Plan - Volume I

Organizational Responsibilities and  
General Procedures Guidelines

April 11, 1980



NASA



AgRISTARS DATA MANAGEMENT PLAN  
VOLUME 1  
ORGANIZATIONAL RESPONSIBILITIES AND  
GENERAL PROCEDURES GUIDELINES

Prepared By:  
AgRISTARS Data Management Team  
March 20, 1980

## TABLE OF CONTENTS

		<u>Page No.</u>
Preface		i
SECTION 1.0	INTRODUCTION	1
SECTION 2.0	DATA MANAGEMENT TEAM: ORGANIZATION & MAJOR RESPONSIBILITIES	1
SECTION 3.0	GUIDELINES	1
SECTION 4.0	MAJOR DATA TYPES	2
4.1	Meteorological Data	2
4.1.1	Current Weather Data	2
4.1.2	Environmental Satellite Data	2
4.1.3	Historical Meteorological Data	2
4.1.4	Solar Radiation Data	2
4.2	Landsat Data	3
4.3	Aircraft Data	3
4.3.1	NASA Aircraft Data	3
4.3.2	Other Aircraft Data	3
4.4	Agricultural Data	3
4.4.1	Agricultural Statistics	3
4.4.2	Nonstatistical Agricultural Data	3
4.4.3	Ground-Observed Agricultural Data	4
SECTION 5.0	KEY RESPONSIBILITIES OF DATA MANAGEMENT TEAM	4
5.1	General	4
5.2	Data Review, Ordering and Acquisition	4
5.3	Data Inventory	5
5.4	Data Retention and Access	5
5.5	Data Funding	5
SECTION 6.0	KEY RESPONSIBILITIES OF PROJECT MANAGERS	5
6.1	General	5
6.2	Data Review, Ordering and Acquisition	6
6.3	Data Inventory	6
6.4	Data Retention and Access	6
6.5	Data Funding	6
SECTION 7.0	GENERAL DATA MANAGEMENT, PROCEDURES	6
7.1	General	6
7.2	Submission of Requirements	6
7.3	Data Ordering and Delivery	7

requirements. Detailed procedures will be developed by the project's DMT representative, the DMT Landsat representative and EDC for inclusion in Volume III - Data Management Procedures. Procedures for obtaining Landsat TM data products will be developed by the DMT after TM ordering guidelines are established by NASA.

#### 7.4.3 Aircraft Data

Collection of aircraft data required to support the collection of ground observed data will be planned jointly with the ground observed data requirements to ensure compatibility in coverage and timeliness of acquisition. Aircraft data requirements will be coordinated by the DMT and the project managers with personnel in the JSC Airborne Instrumentation Research Project Office (AIRPO), the USDA or EDC as appropriate. Established data ordering forms will be used where available. In general, data products will be shipped directly to the requesting project.

#### 7.4.4 Agricultural Statistics

Available domestic agricultural statistics (current and historical estimates of area, yield, and production for specified crops and/or geographic areas) will be coordinated and reviewed by the USDA DMT representative and obtained from ESCS based on stated requirements by the individual projects. Foreign agricultural statistics will be submitted to the USDA DMT representative who will coordinate these requests through a point of contact in ESCS or FAS. (See Appendix A).

#### 7.4.5 Nonstatistical Agricultural Data

Nonstatistical agricultural information includes items such as field size and distribution, fertilization and irrigation practices, crop rotations, stubble-mulching, or similar agricultural management practices. These data are usually not available from a single source. Since this type of data is the responsibility of USDA, points of contact will be established in the appropriate USDA agencies (e.g., SCS, SEA/AR, ESCS, FAS, etc.) by the AgRISTARS USDA DMT representatives.

#### 7.4.6 Domestic Ground Observed Agricultural Data

Procedures for the collection and distribution of ground observed data (e.g., plant height, ground cover, crop growth stage, and other similar factors) will be developed jointly by USDA/ESCS and by the AgRISTARS project elements having requirements for the ground observed data. Final disposition of ground data requirements will be the responsibility of the USDA representative (see Appendix A).

Ground observation sites and specific data elements to be collected will be coordinated with the DMT and the projects and will be planned jointly with the Aircraft Data Plan supporting the ground-observed data collection program to ensure compatibility in coverage and timeliness of acquisition. Since ESCS enumerator training and questionnaire clearance are based on a rigid, well-defined schedule, ground-observed data requirements must be available by the dates established by the USDA representative. Materials

required by enumerators (e.g., aircraft photography) will be mailed from JSC by the designated ESCS point of contact. Completed data forms will be returned to the ESCS point of contact who will be responsible for disseminating the ground-observed data to appropriate projects for their use.

Selected ground observed agricultural data collected by scientists at USDA or university experiment stations will, in most cases, be available to the projects. In most instances, project personnel will not be able to impact data collection procedures or to request changes or additions to the data items collected. Requests for these types of data should be submitted to the USDA DMT representative for disposition.

#### 7.4.7 Foreign Ground Observed Agricultural Data

Currently, agreements exist between the USDA and the governments of Canada and the USSR for the exchange of selected ground observed data. Agreements with other foreign governments will be coordinated by designated points of contact in the USDA, as needed by AgRISTARS. Specific procedures developed for the exchange of data are subject to the terms of the individual general agreements and will be observed by AgRISTARS.

#### 7.4.8 Sensitive Data

In some instances, sensitive or unpublished data will be required to support specified tasks. Management policy and guidelines covering the use, retention and access to sensitive data sets will be defined by the appropriate data suppliers prior to acquisition of the data sets. Before such data are released to program elements, proposed recipients must sign USDA Form ADM-029, Certification and Restrictions on Use of Unpublished Data.

Recipients will also be made aware of penalties associated with the misuse of sensitive or unpublished data. Appropriate security procedures will be implemented within each project to ensure that sensitive data are adequately protected. More detailed procedures will be developed as data requirements and availability are defined and issued as an AgRISTARS directive. Requirements for sensitive data should be submitted through the project DMT representative to the DMT for disposition.

Preliminary

APPENDIX A

CURRENT DATA MANAGEMENT TEAM MEMBERSHIP

AgRISTARS Program Support Staff:

C. C. Critzos, NASA, Manager  
D. Conte, USDA  
R. Hatch, USDA  
D. McCrary, USDC/NOAA  
G. Metz, USDI/EDC

AgRISTARS Project Representatives:

FCPF	- Domestic Ground Data	- D. Frank
&	- Meteorological Data	- D. McCrary
SR	- Landsat Data	- R. Musgrove
	- Foreign Ag. Data	- D. Henninger
DCLC	-	- TBN
EW/CCA	- All Data Types	- L. Lautenschlager
YM	- Agricultural Data	- F. Baker
	- Meteorological Data	- S. LeDuc
SM	-	- TBN
RRI	-	- TBN
C & P	-	- TBN

Data Suppliers Representatives:

USDI/EDC	- Landsat Data Products	- G. Metz
USDA/JAWF	- Meteorological Data	- TBN
USDA/ESCS	- Domestic Ag. Data	- D. Frank (HOU)
	- Domestic Ag. Data	- TBN (WASH)
	- Foreign Ag. Data	- D. Stallings
USDA/FAS	- Foreign Ag. Data	- C. Ison
USDA/ASCS	- Aircraft Data	- TBN
NASA/JSC	- Aircraft Data	- O. Smistad

Additional Members:

J. Heuser, NASA/Hq.  
P. Bracken, NASA/GSFC

(

.

.

(

.

.

(