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TARGET SIGNATURE ANALYSIS CENTER: DATA COMPILATION

Second Supplement

Dianne Earing

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Ann Arbor, Michigan

July 1967



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Air Force Avionics Laboratory
Research and Technology Division
Air Force Systems Command
Wright-Patterson Air Force Base, Ohio

AD 819712

NOTE TO USERS

Target Signatures Analysis Center: Data Compilation is a periodically updated publication of the optical and microwave target and background data stored on magnetic tape at the Target Signature Analysis Center established at The University of Michigan and sponsored by the Air Force Avionics Laboratory. Separate volumes are maintained for classified and unclassified data. The compilation is distributed in loose leaf form so that supplemental publications can be readily integrated in accordance with the established indexing system.

The initial compilation of unclassified data was published in July 1966 and is available through the Defense Documentation Center as AD 489 968. Also, while the supply lasts, copies of the original printing may be obtained from the Air Force Avionics Laboratory, Wright Patterson Air Force Base, Ohio, and from Willow Run Laboratories of the Institute of Science and Technology, The University of Michigan, P. O. Box 618, Ann Arbor, Michigan. The initial compilation of classified data was published in December 1966 and is now available only through the Defense Documentation Center as AD 379 650.

The enclosed document is the first supplement to the compilation of unclassified data. It contains additional optical and radar data and the first of the passive microwave data to be included in the compilation. It also contains revised introductory and explanatory text and composite cross-indexes. The following are suggestions for combining this supplement with the original volume of unclassified data:

(1) Remove and destroy the original blue, soft cover and title pages and replace them with the corresponding pages provided in this supplement.

(2) Remove and destroy the table of contents of the original volume and replace it with that provided in this supplement. The remainder of the compilation should be rearranged in accordance with the new table of contents. Note that the subject-code list for the optical and passive microwave data has been moved to the end of the introductory section (sec. 1) and that a new, alphabetized subject cross-index for both optical and microwave data has been added as section 3 of the composite volume.

(3) Remove and destroy all text and indexes on the pages numbered 1 through 191 in the original volume and replace them with the appropriate revised pages of text and indexes (numbered 1 through 118) in the order indicated by the new table of contents.

(4) Insert the new sheets of optical data in their appropriate subject-code group in section 4. The page numbers for the data in this supplement begin where those for data in the original volume ended and indicate where the new data sheets are to be inserted. For example, data group AAK (Personnel) contained only one page, AAK-1, in the original volume; data in this supplement which are to be inserted in AAK are the pages numbered AAK-2 through AAK-7.

(5) Insert the new sheets of radar data in the appropriate numerically coded group in section 5. As with the optical data, the new pages of radar data are numbered consecutively following the pages in the original volume. For example, p. 3123-14 should be inserted after p. 3123-13 in the original publication.

(6) Insert the passive microwave data in section 6 (as sec. 6.2), a new section following the radar data. No integration of these new data sheets is required since the original volume did not include passive microwave data.

(7) The division of the pages of the composite volume among the binders provided is left to the discretion of the user. A convenient division may be achieved by using one binder for the radar and passive microwave sections.

(8) A complete set of dividers to separate the groups of data sheets is provided with this supplement. Many of these will duplicate the ones provided with the original volume and only one of each of the section dividers need be retained.

NOTICES

Sponsorship. The work reported herein was conducted by the Willow Run Laboratories of the Institute of Science and Technology for the Air Force Avionics Laboratory, Wright-Patterson Air Force Base, under contract F 33615-67-C-1293. Contracts and grants to The University of Michigan for the support of sponsored research are administered through the Office of the Vice-President for Research.

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TARGET SIGNATURE ANALYSIS CENTER: DATA COMPILATION

Second Supplement

Dianne Earing

This document is subject to special export controls and each transmittal to foreign governments or foreign nationals may be made only with prior approval of AFAL (AVPT), WPAFB, Ohio.

FOREWORD

This report is the second supplement and first unclassified supplement to Target Signature Analysis Center: Data Compilation (July 1966). It was prepared at the Willow Run Laboratories, a unit of The University of Michigan's Institute of Science and Technology. The preparation was begun under Air Force Contract AF 33(615)-3654 and completed under Air Force Contract F 33615-67-C-1293. The originator's report number is 8492-5-B. The work was administered under the direction of the Reconnaissance Division, Air Force Avionics Laboratory, Research and Technology Division, Air Force Systems Command, Wright-Patterson Air Force Base, Ohio, with Mr. Bruno K. Wernicke as the project engineer.

The author gratefully acknowledges the contributions of Dr. I. W. Ginsberg (sec. 2), Carl Smith (sec. 5), Jerry Beard (sec. 6), and the general assistance of Carol Sumner, Glenn Curtis, Eric Blocher, and Martin Weiss.

ABSTRACT

This unclassified supplement to Target Signature Analysis Center: Data Compilation (July 1966) is primarily an ordered, indexed compilation of reflectances, radar cross sections, and apparent temperatures of target and background materials. The data include spectral reflectances and transmittances in the optical region from 0.3 to 15 μ and normalized radar cross sections (active) and apparent temperatures (passive), plotted as a function of aspect or depression angle, at millimeter wavelengths. This supplement contains approximately 1000 data curves from experimental studies conducted during the last three decades, including the current Target Signature Measurements Program conducted at The University of Michigan and sponsored by the Air Force Avionics Laboratory.

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TARGET SIGNATURE ANALYSIS CENTER: DATA COMPILATION
Second Supplement

1
INTRODUCTION

The Target Signature Analysis Center established at the Willow Run Laboratories of The University of Michigan's Institute of Science and Technology and sponsored by the Air Force Avionics Laboratory comprises a document collection, a data library, and a staff of analysts. It provides a centralized source of data and analysis techniques useful for improving remote sensors. The routine functions of the Center include collecting, evaluating, and categorizing data on the properties of various target and background objects. In the optical portion of the electromagnetic spectrum from 0.3 to 15 μ, the data are primarily on reflectance and transmittance; at microwave frequencies, they consist of normalized radar cross sections (active) and apparent temperatures (passive). The primary source of data analyzed is reports published by laboratories making such measurements. In some instances, unpublished data have also been acquired directly from an experimenter.

Each document received by the Analysis Center is reviewed and coded from the Target Signature Subject-Code List (table I) to describe its subject content. The codes and bibliographical information are stored on magnetic tape for retrieval, which can be accomplished by subject codes, corporate author(s), contract number, sponsoring agency, or other bibliographical information.

Each document is examined for data to be added to the library. Selected data are then manually digitized using an established format. Coded descriptors are assigned to each curve for retrieval purposes, and the conditions of each experiment are recorded. Data points and the descriptive and parametric information are also stored on magnetic tape. Since the parameters required to define radar measurements differ in many respects from those required for optical measurements, separate formats were designed to handle the different types of information. However, a general format has recently been devised and will eventually be used for all data. This new format is discussed in section 6 and has been used for processing the passive microwave data.

The data in this report resulted from experiments conducted during the last three decades and using optical ($0.3 < \lambda < 1000\ \mu$) and microwave ($\lambda > 1000\ \mu$) instrumentation. Three types of measurements are represented:

(1) Laboratory measurements of materials such as leaves, soil, and paints

(2) Ground-based field measurements of objects such as plants, soil plots, and vehicles

(3) Airborne measurements of scenes

In the optical portion of the spectrum, laboratory measurement programs are far more abundant than either ground-based field measurements or airborne programs. Over the last several years, the U. S. National Bureau of Standards has conducted extensive laboratory measurements of vegetation and some other materials in the visible, near-infrared, and, more recently, longer wavelength regions. Past ground-based field measurements in the optical region include the extensive basic studies by Krinov in the 1930's [1] and those conducted by the U. S. Army Engineer Research and Development Laboratory (USAERDL) in the 1960's [2]. Krinov, using a field spectrograph and under conditions of natural illumination, obtained spectrograms of several natural formations found in Russia. His investigations included an examination of the dependence of spectral reflectance on season and angles of incidence and viewing. The USAERDL experiments were conducted using a portable field spectrophotometer with an artificial source of illumination. The spectral directional reflectance of several crops (e.g., corn, soybeans, wheat) was studied as a function of several parameters such as the moisture content and fertilizer content of the soil, crop maturity, and the amount of soil background. Very few airborne measurements have been made in the optical portion of the spectrum. Krinov obtained only a few airborne spectrograms during his extensive field studies. In 1945, Duntly used an Eastman Kodak airborne spectrograph to obtain terrain measurements in the visible region [3]. Other airborne programs have been concerned mainly with collecting optical imagery rather than measuring spectral reflectance. The available optical data cover primarily the visible and near-infrared regions. Only a relatively few experiments have yielded data for wavelengths longer than 2.5 μ, chiefly because of the lack of instrumentation for such measurements.

There is a much larger amount of data on background materials (e.g., leaves, crops, and soils) than on man-made materials. This is because most of the past measurements were performed by scientists in the fields of botany, agronomy, and natural science, and, therefore, the primary motivation for these measurements was an interest in the way natural objects react to incident solar radiation.

This data compilation is the product of a survey of existing data on target and background materials and is intended to present the results of such a survey in a single source. The picture it presents of natural and man-made objects in the real world and their interaction with electromagnetic radiation is in no way complete. Although many data have been gathered on some materials and at a few wavelengths, data are completely lacking for other materials and other wavelengths. Moreover, even the existing data are not accompanied with all the parametric and support information required for their adequate interpretation. The extensive Target Signature Measurements Program currently being conducted at Willow Run Laboratories

and sponsored by the Air Force Avionics Laboratory is planned to fill existing data gaps. This program provides for laboratory and field measurements of target and background materials and objects at both optical and microwave frequencies. In the optical region, bidirectional and directional reflectances are under investigation. In the microwave region, optical simulation studies are being conducted, and existing radiometric (passive) data are being collected. Some of the data from this program, specifically directional reflectance data in the 0.3- to 2.5-μ spectral interval and the passive microwave data, are included in this report. Other data from the program, including the bidirectional reflectance data, will be published in future supplements to this compilation.

Section 2 of this report treats the concept of reflectance theoretically. This includes definition of the basic optical properties, bidirectional, directional, and total reflectance, and derivation of their mathematical relationships. In addition, the instruments used to obtain the optical data are described and equations derived for the optical properties measured by these instruments. Section 4 contains the optical data. Each curve has been assigned several alphabetic descriptor codes to describe the object measured, the instrumentation used, the optical property measured, and the spectral interval (cf. table I). The curves have been grouped according to the coded descriptor that best describes the object measured. Section 5 contains active microwave data, i.e., averaged, normalized radar cross sections as a function of aspect angle, with frequency as a parameter. Each curve has been assigned a numeric descriptor code to describe the type of terrain measured and pertinent conditions of the measurement. The curves are grouped according to the type of object measured. Section 6 has the passive microwave data in the form of apparent temperatures as a function of either depression or aspect angle. Each curve has been assigned alphabetic descriptor codes, as have the optical data curves, and the curves are arranged by the object measured. Only unclassified data from the Target Signature Analysis Center's collection are included in this supplement. The classified data have been published in a separate report (January 1967, AD 379 650). A subject cross-index to the data (sec. 3) and a bibliographical listing of the documents from which the data in sections 4, 5, and 6 were extracted (sec. 7) have also been provided.

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST

A	TARGETS
AA	Ground
AAA	Buildings
AAB	Guns
AABA	Artillery
AABB	Rifles
AAC	Industrial Facilities
AACA	Power Stations
AACB	Shipyards
AAD	Military Facilities
AADA	Communication Centers
AADB	Fortifications
AADC	Launching Sites
AADCA	Antiaircraft
AADD	Marshalling Yards
AADE	Supply Depots
AAE	Airfields
AAF	Railroad
AAFA	Tracks
AAFB	Yards
AAG	Roads
AAH	Bridges
AAI	Dams
AAJ	Docks
AAK	Personnel
AAKA	Clothing
AAKB	Troop Concentrations
AAL	Vehicles
AALA	Aircraft
AALB	Armored
AALC	Convoys
AALD	Earth-Moving
AALE	Tanks
AALF	Trucks
AB	Marine
ABA	Submarine
ABB	Surface Vessels
ABBA	Barges
ABBB	Landing Craft
AC	Camouflage
AD	Decoys
AE	Materials
AEA	Aluminum
AEB	Asphalt
AEC	Brick
AED	Burlap
AEE	Canvas
AEF	Cinder
AEG	Concrete
AEH	Dirt
AEI	Galvanized Steel
AEJ	Glass
AEK	Gravel
AEL	Metal
AEM	Paint
AEMA	White Pigments
AEMAA	Zinc Oxide (Zinc White)
AEMAB	Lead Basic Carbonate (White Lead)
AEMAC	Titanium Dioxide
AEMB	Green Pigments
AEMBA	Chromic Oxide (Chrome Green)
AEMC	Red Pigments
AEMCA	Ferric Oxide (Hematite)
AEMCB	Trilead Tetroxide (Red Lead)
AEMD	Metallic Pigments
AEMDA	Aluminum Powder
AEME	Other Pigments (Color Unknown)
AEMEA	Mica
AEMEB	Aluminum Silicate
AEMF	Mediums, Thinners, Driers
AEMFA	Resin
AEMFAA	Oleo
AEMFAB	Alkyd
AEMFB	Ester
AEMFC	Xylene
AEN	Paper/Cardboard
AEO	Plastic
AEP	Rubber
AEQ	Tar
AER	Tile
AES	Varnish
AET	Wood
AF	Radiation Control
AFA	Antireflection Coating
AFB	Shielding
AFC	Temperature Control
AG	Signatures
AH	Geometric Shapes
AHA	Flat Plates
AHB	Dihedrals (Concave)
AHC	Trihedrals (Concave)
AHD	Spheres and Spheroids
AHE	Cylindrical Shapes
AHF	Conical Shapes
AHG	Wedges
AHH	Dipoles
AHI	Rayleigh Scatters
AHJ	Other
B	BACKGROUNDS
BA	Atmosphere
BAA	Constituents
BAAA	Aerosols
BAAB	Dust
BAAC	Fog

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Continued)

BAAD	Gases
BAAE	Haze
BAAF	Rain
BAAG	Smog
BAAH	Smoke
BAAI	Snow
BAAJ	Spray
BAAK	Water Vapor
BAB	Sky
BB	Clouds
BBA	Cumulonimbus
BBB	Cirrus
BBC	Cirrocumulus
BBD	Cirrostratus
BBE	Altocumulus
BBF	Altostratus
BBG	Cumulus
BBH	Nimbostratus
BBI	Stratocumulus
BC	Light Conditions
BCA	Day
BCB	Sunrise or Sunset
BCC	Twilight
BCD	Night
BCE	Clear
BCF	Overcast
BD	Season
BDA	Summer
BDB	Fall
BDC	Winter
BDD	Spring
BE	Terrain
BEA	Flat
BEB	Rolling
BEC	Hilly
BED	Mountainous
BEE	Rural
BEF	Urban
BF	Soil
BFA	Cultivated
BFB	Uncultivated
BFC	Coarse Textured
BFCA	Sand
BFCB	Loamy Sand
BFD	Moderately Coarse Textured
BFDA	Sandy Loam
BFDB	Fine Sandy Loam
BFE	Medium Textured
BFEA	Loam
BFEB	Silt Loam
BFEC	Silt
BFF	Moderately Fine Textured
BFFA	Clay Loam
BFFB	Sandy Clay Loam
BFFC	Silty Clay Loam
BFG	Fine Textured
BFGA	Sandy Clay
BFGB	Silty Clay
BFGC	Clay
BFH	Other Constituents
BFHA	Organic Material
BFHB	Gravel (Less Than 3-in. Diameter)
BFHC	Cobbles (3- to 10-in. Diameter)
BFHD	Stones (Greater Than 10-in. Diameter)
BFHE	Bedrock
BFI	Series
BFIA	Aguan
BFIB	Aiken
BFIC	Akron
BFID	Alamance
BFIE	Albion
BFIF	Alonso
BFIG	Barnes
BFIH	Blakely
BFII	Clareville
BFIJ	Clarion
BFIK	Collington
BFIL	Colts Neck
BFIM	Decatur
BFIN	Dublin
BFIO	Gooch
BFIP	Grady
BFIQ	Greenville
BFIR	Guthrie
BFIS	Hainamanu
BFIT	Hall
BFIU	Hamakua
BFIV	Herradura
BFIW	Joplin
BFIX	Marias
BFIY	Marshall
BFIZ	Matanzas
BFJ	Series (Continued)
BFJA	Maury
BFJB	Moaula
BFJC	Naalehu
BFJD	Onomea
BFJE	Ookala
BFJF	Orangeburg
BFJG	Oriente
BFJH	Orman
BFJI	Pallman
BFJJ	Penn
BFJK	Pierre
BFJL	Putnam
BFJM	Quibdo
BFJN	Rubicon

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Continued)

BFJO Ruston
BFJP Santa Barbara
BFJQ Texas Dune
BFJR Tifton
BFJS Tillman
BFJT Tilsit
BFJU Vernon
BFJV Weld
BFJW Windthorst
BFJX Yolo
BFJY Zanesville
BFK Minerals
BFL Chemicals
BFM Moisture Content
BFMA Dry
BFMB Damp
BFMC Saturated
BG Vegetation
BGA Herbaceous, Algae Fungi
BGAA Cladoniaceae Family
BGAAA Reindeer Moss
BGB Moss-Liverwort
BGBA Sphagnum Family
BGBAA Sphagnum Moss
BGC Vascular
BGCA Banana Family
BGCAA Banana
BGCB Bromeliaceae Family
BGCBA Bunch Grass
BGCC Buckwheat Family
BGCCA Buckwheat
BGCD Composite Family (cf. Ligneous)
BGCDA Daisy
BGCDB Goldenrod
BGCDC Ragweed
BGCDD Sunflower
BGCE Convolvulus Family
BGCEA Sweet Potato
BGCF Crowfoot Family
BGCFA Crowfoot
BGCG Duckweed Family
BGCGA Duckweed
BGCH Evening-Primrose Family
BGCHA Willow Herb (cf. Willow Family)
BGCI Fern Family
BGCIA Bracken Fern
BGCJ Flax Family
BGCJA Flax
BGCK Goosefoot Family
BGCKA Pigweed
BGCKB Sugar Beet
BGCL Gourd Family
BGCLA Squash
BGCM Grass Family
BGCMA Barley
BGCMB Bermuda Grass
BGCMC Corn
BGCMD Creeping Grass
BGCME Fescue
BGCMF Foxtail
BGCMG Ilyas
BGCMH Millet
BGCMI Oats
BGCMJ Reeds
BGCMK Rice
BGCML Rye
BGCMM Selin
BGCMN Timothy
BGCMO Vetch
BGCMP Wheat
BGCN Heath Family (see also Ligneous)
BGCNA European Blueberry
BGCNB Heather
BGCO Mallow Family
BGCOA Cotton
BGCP Mustard Family
BGCPA Cabbage
BGCPB Mustard
BGCQ Nightshade Family
BGCQA Potatoes
BGCQB Tomatoes
BGCR Pea (or Pulse) Family (see also Ligneous)
BGCRA Alfalfa
BGCRB Clover
BGCRC Coffee Plant
BGCRD Lentil
BGCRE Lima Bean
BGCRF Pea
BGCRG Peanut
BGCRH Soybean
BGCRI String Bean
BGCS Plantain Family
BGCSA Plantain
BGCT Sedge Family
BGCTA Cotton Grass
BGCTB Sedge
BGD Ligneous
BGDA Arecaceae Family
BGDAA Areca Palm
BGDB Beech Family
BGDBA Beech
BGDBB Chestnut
BGDBC Oak
BGDC Bignonia Family
BGDCA Catalpa
BGDD Calycanthaceae Family
BGDDA Meratia Praecox
BGDE Carduacea Family

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Continued)

BGDEA	Rabbit Brush
BGDF	Cashew Family
BGDFA	Chinese Pistachio
BGDFB	Sumach
BGDG	Composite Family (cf. Herbaceous)
BGDGA	Sagebrush
BGDGB	Wormwood
BGDH	Dogwood Family
BGDHA	Dogwood
BGDI	Ebony Family
BGDIA	Ironwood (cf. Hazel Family)
BGDIB	Persimmon
BGDJ	Elm Family
BGDJA	Elm
BGDK	Figwort Family
BGDKA	Paulowina
BGDL	Hazel Family
BGDLA	Alder
BGDLB	Birch
BGDLC	Hazelnut
BGDLD	Hornbeam
BGDLE	Ironwood (cf. Ebony Family)
BGDM	Heath Family (cf. Herbaceous)
BGDMA	Mountain Laurel
BGDN	Holly Family
BGDNA	Holly
BGDO	Honeysuckle Family
BDGOA	Viburnum
BGDP	Laurel Family
BGDPA	Laurel
BGDPB	Sassafrass
BGDQ	Lily Family
BGDQA	Yucca
BGDR	Linden Family
BGDRA	Basswood
BGDRB	Linden
BGDS	Logania Family
BGDSA	Privet (Ligustrum)
BGDT	Magnolia Family
BGDTA	Magnolia
BGDTB	Tulip
BGDTC	Tulip Poplar
BGDU	Maple Family
BGDUA	Maple
BGDV	Mulberry Family
BGDVA	Rubber
BGDW	Olive Family
BGDWA	Ash
BGDX	Pine Family
BGDXA	Cedar
BGDXB	Fir
BGDXC	Juniper
BGDXD	Larch
BGDXE	Pine
BGDXF	Spruce
BGDY	Plane-Tree Family
BGDYA	Sycamore
BGDZ	Pea Family (cf. Herbaceous)
BGDZA	Locust
BGE	Ligneous (Continued)
BGEA	Rose Family
BGEAA	Blackberry
BGEAB	Cherry
BGEAC	Hawthorn
BGEAD	Juneberry
BGEAE	Peach
BGEAF	Pin Cherry
BGEAG	Plum
BGEB	Sour Gum Family
BGEBA	Gum
BGEC	Trumpet-Creeper Family
BGECA	Calabash
BGED	Vine Family
BGEDA	Virginia Creeper
BGEE	Walnut Family
BGEEA	Hickory
BGEF	Willow Family
BGEFA	Aspen
BGEFB	Poplar
BGEFC	Willow (cf. Evening Primrose Family)
BGEFCA	Dwarf
BGEFCB	Ground
BGEG	Witch Hazel Family
BGEGA	Sweet Gum
BGF	Leaf
BGFA	Narrow
BGFB	Broad
BGFBA	Coriaceous (Leathery)
BGFBB	Membranous
BGFBC	Lower Leaf Surface
BGFBD	Upper Leaf Surface
BGFC	Young (Spring)
BGFD	Mature (Summer)
BGFE	Old (Fall)
BGFF	Dry
BGG	Bark
BGH	Twig
BH	Water
BHA	Formations
BHAA	Lake
BHAB	Puddle
BHAC	River
BHAD	Sea
BHB	State
BHBA	Ice
BHBB	Ice and Liquid
BHBC	Liquid

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Continued)

BHBD	Snow
BI	Climate
C	EQUIPMENT
CA	Radar
CAA	Coherent
CAB	Noncoherent
CAC	Pulse
CAD	CW
CAE	MTI
CB	Radiometer
CBA	Optical (Wavelength Less Than 1000 μ)
CBB	Microwave (Wavelength Greater Than 1000 μ)
CBBA	Unmodulated
CBBB	Post-Detection Modulated
CBBC	Signal Modulated
CBBD	Cross Correlated
CBBE	Two-Channel Subtraction
CC	Spectrograph
CCA	Eastman Kodak
CD	Spectrometer
CDA	Beckman
CDB	General Electric
CDC	Perkin-Elmer
CDD	Interference
CE	Platform
CEA	Aircraft
CEB	Balloon
CEC	Ground
CED	Laboratory
CEE	Shipborne
CF	Optical
CFA	Ultraviolet
CFB	Visible
CFC	Infrared
CFD	Active
CFE	Passive
CG	Detectors
CH	Filters
CI	Image Tubes
CJ	Materials
CJA	Reflectance Standards
CJAA	Magnesium Oxide
CJAAA	Smoked
CJAAB	Pressed
CJAB	Magnesium Carbonate
CJAC	Suphur
CJAD	Aluminum
CJADA	Mirror
CJADB	Sandblasted
CJAE	Sapphire Felt
CJAF	Other Specular Standards
CJAG	Other Diffuse Standards
CK	Evaluation
CKA	Noise
CL	Reflectometer
CM	Polarimeter
D	RADIATION
DA	Pattern
DAA	Aspect Dependence
DAB	Optical Cross Section
DAC	Radar Cross Section (σ)
DACA	Normalized (σ_o)
DB	Attenuation
DBA	Absorption
DBB	Scatter
DBBA	Backscatter Coefficient (ρ)
DC	Modulation
DD	Polarization
DDA	Radar
DDAA	Circular
DDAAA	Right
DDAAB	Left
DDAB	Elliptic
DDABA	Right
DDABB	Left
DDAC	Linear
DDACA	Horizontal or Perpendicular
DDACB	Vertical or Parallel
DDAD	Random
DDB	Optical
DDBA	Circular
DDBB	Elliptic
DDBC	Linear
DE	Refraction
DF	Reflectance
DFA	Directional
DFAA	Specular Included
DFAB	Specular Not Included
DFB	Specular
DFC	Standard
DFCA	Baryte
DFCB	Flowers of Sulfur
DFCC	Gypsum
DFCD	Magnesium Carbonate
DFCE	Magnesium Oxide
DFCF	Paper
DFCG	Rhodium Mirror
DFCH	Aluminum Mirror
DFD	Bidirectional
DFE	Total (Albedo)
DFF	Absolute
DG	Scintillation
DH	Solar Influence
DI	Transmittance

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Continued)

DIA	Directional
DIB	Bidirectional
DJ	Emission
DJA	Atmosphere
DJB	Emissivity
DJC	Emittance
DJD	Blackbody
DJE	Greybody
DJF	Fluorescence
DJG	Thermal
DK	Artificial Sources
DKA	Arc
DKB	Beacon
DKC	Flame
DKD	Flare
DKE	Gas
DKF	Gas Discharge
DKG	Globar
DKH	Incandescent Lamp
DKI	Maser, Laser, Iraser, Uvaser
DKJ	Mantle
DKK	Nernst Glower
DKL	Nuclear Explosion
DKM	Oscillator
DKN	Shock Tube
DKO	Spark
DKP	Vapor Lamp
DL	Natural Sources
DLA	Aurora
DLB	Airglow
DLC	Lightning
DLD	Lunar
DLE	Planetary
DLF	Solar
DLG	Stellar
DLH	Zodiacal Light
DLI	Sky
DM	Flux
DN	Radiance
DO	Coherence
DP	Diffraction
DQ	Apparent Temperature
DQA	Antenna
DQB	Target
DQC	Contrast
E	SPECTRA
EA	Gamma Rays
EB	X-Rays
EC	Optical
ECA	Ultraviolet
ECAA	Less than 0.1 μ
ECAB	0.1 to 0.2 μ
ECAC	0.2 to 0.3 μ
ECAD	0.3 to 0.4 μ
ECB	Visible (0.4 to 0.7 μ)
ECBA	Chromaticity
ECBB	Color
ECBBA	Blue
ECBBB	Green
ECBBC	Yellow
ECBBD	Orange
ECBBE	Red
ECBBF	Brown
ECBBG	Field Drab
ECBBH	Khaki
ECBBI	Olive Drab
ECBBJ	White
ECBBK	Grey
ECBBL	Black
ECC	Infrared
ECCA	0.7 to 1.5 μ
ECCB	1.5 to 3.0 μ
ECCC	3 to 5 μ
ECCD	5 to 8 μ
ECCE	8 to 15 μ
ECCF	15 to 50 μ
ECCG	50 to 100 μ
ECCH	100 to 1000 μ
ECCI	1.4-μ band
ECCJ	1.9-μ band
ECCK	2.2-μ band
ECCL	2.7-μ band
ECCM	4.3-μ band
ECCN	6.3-μ band
ECCO	9.6-μ band
ECCP	Other
ECD	Line
ED	Radio Frequency
EDA	EHF (30 to 300 GHz)
EDAN	V Band (46 to 56 GHz)
EDAQ	Q Band (36 to 46 GHz)
EDAT	Upper K_a Band (30 to 36 GHz)
EDB	SHF (3 to 30 GHz)
EDBF	Lower K_a Band (20.9 to 30 GHz)
EDBJ	K_u Band (10.9 to 20.9 GHz)
EDBM	X Band (5.2 to 10.9 GHz)
EDBP	Upper S Band (3.0 to 5.2 GHz)
EDC	UHF (0.3 to 3 GHz)
EDCE	Lower S Band (1.55 to 3.0 GHz)
EDCH	L Band (0.39 to 1.55 GHz)
EDCK	P Band (0.225 to 0.390 GHz)
EDD	VHF (30 to 300 MHz)
EDE	HF (3 to 30 MHz)
EDF	MF (0.3 to 3 MHz)
EDG	LF (30 to 300 kHz)
EDH	VLF (3 to 30 kHz)

TABLE I. TARGET SIGNATURE SUBJECT-CODE LIST (Concluded)

F	OPERATIONS
FA	Detection
FB	Discrimination
FC	Reconnaissance
FD	Surveillance
FE	Imaging
FEA	Photography
FEB	Scanning
FEC	Contrast
FED	Resolution
FEE	Display
FF	Filtering
FFA	Spatial
FFB	Spectral
FG	Measurement
FGA	Temperature
FGB	Time
FGC	Position
FGD	Range
FGE	Angle
FGF	Velocity
FGG	Acceleration
FH	Calibration
FI	Homing
FJ	Pattern Recognition
G	ANALYSIS
GA	Mathematical
GAA	Model
GB	Statistical
GBA	Distribution
GBAA	Gaussian
GBB	Process
GBBA	Ergodic
GBBB	Stationary
GBBC	Nonstationary
GC	Information Processing
GCA	Digital
GD	Correlation
GDA	Auto
GDB	Cross
GE	One Dimensional
GF	Two Dimensional
GG	Linear
H	ACOUSTICS
HA	Attenuation
HAA	Absorption
HAB	Scatter
HABA	Backscatter Coefficient
HB	Modulation
HC	Refraction
HD	Reflectance
HE	Transmission
HF	Emission
HG	Artificial Sources
HH	Natural Sources
HI	Flux
HJ	Diffraction
HK	Frequency Spectrum
HL	Correlation

2
DISCUSSION OF REFLECTANCE MEASUREMENTS

2.1. THEORY

The purpose of this section is to enable the user of this data compilation to consider the data in a proper perspective. The "reflectance" alone, for example, does not sufficiently describe the results of an experiment, as will become obvious in this section. One must have knowledge of the measuring instrument's characteristics, since they have measurable effect on interpretation of the output. Some important instrument parameters include spectral resolution, the solid angle of effective viewing, and characteristics of the radiation source.

Our present understanding of radiation theory does not permit an analytical description, in closed form, of the exact relationship between the radiation emitted by a source (whether natural or artificial) and the radiation received by a remote sensor after having been reflected by an object under surveillance. There are well known laws to describe the simple case of an electromagnetic wave incident upon a perfectly planar interface between two media. In this case, the reflected wave depends upon the radiation wavelength, the angle of incidence, and the physical properties (permittivity, permeability, and conductivity) of the two adjoining media. The laws governing such a case are sufficiently understood so that the refractive index and extinction coefficient of materials involved may be found by determining the reflection coefficients of the materials. For the more complicated case involving a surface with periodic or random surface irregularities, an analytic determination of the properties of the reflected electromagnetic field may only be approximated.

In the past ten years many papers have been published on scattering, or reflection from rough surfaces. Many theories have been developed, but none is both general and rigorous at the same time. To perform reasonably simple numerical calculations on the basis of these theories, certain simplifying assumptions are introduced, usually including one or more of the following:

(1) The dimensions of scattering elements of the rough surface are either much smaller or much greater than the wavelength of the incident radiation.

(2) The radii of curvature of the scattering elements are much greater than the wavelength of the incident radiation.

(3) Shadowing or obscuration effects occurring at the surface may be neglected.

(4) Only the far field is to be considered.

(5) Multiple reflections may be neglected.

(6) Consideration is restricted to a particular model of surface roughness (e.g., sawtooth, sinusoidal protrusions of definite shape and in random position, with random variations in height given by their statistical distribution and correlation function).

Electromagnetic scattering theory has been used in the past to compute radiation backscatter from targets in the microwave region of the spectrum, where the radiation wavelength is much greater than the minute irregularities of the target surface and where the conductivity of the target material is infinite. In the optical region, where materials have finite conductivity and the surface irregularities have a wide range in size relative to the radiation wavelength, present electromagnetic scattering theory is applicable to only a few special cases, so the only way to determine reflectance in this region for target and background objects is by experimentation.

One can arrive at the most general definition of reflectance ρ' (called bidirectional reflectance) [4]* by considering an infinitesimal element of surface, dA, upon which radiation of infinitesimal solid angle $d\omega_i$ and radiance N_i is incident. Taking a coordinate system fixed with respect to dA, with polar angle θ' measured from the normal and azimuth angle ϕ' measured from a fixed line (see fig. 1), the contribution to the reflected radiance, $dN_r(\theta'_r, \phi'_r)$, in the reflected pencil for the direction (θ'_r, ϕ'_r) is

$$dN_r(\theta'_r, \phi'_r) = \rho' N_i(\theta'_i, \phi'_i) \cos \theta'_i \, d\omega_i \qquad (1)$$

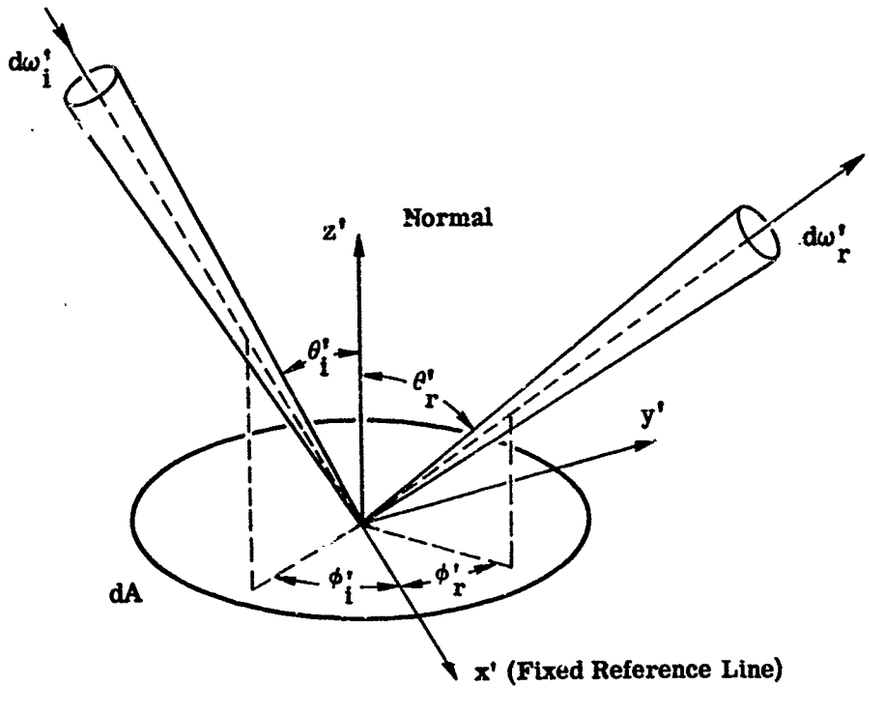


FIGURE 1. LOCAL COORDINATE SYSTEM FOR DETERMINING BIDIRECTIONAL REFLECTANCE

*The definitions presented in this report conform to those proposed in reference 4.

Generally, ρ' is a function of the incident and reflected directions (θ_i', ϕ_i' and θ_r', ϕ_r' respectively), the polarization (P), the wavelength (λ), and the optical parameters of the material on either side of the surface. Total radiance in a given reflected direction is obtained by integrating equation 1 over all incident directions, which yields

$$N_r(\theta_r', \phi_r') = \int \rho' N_i(\theta_i', \phi_i') \cos \theta_i' d\omega_i' \tag{2}$$

Also, by Helmholtz's reciprocity theorem, if the directions of the incident and reflected pencils are interchanged, the bidirectional reflectance is unchanged, i.e.,

$$\rho'(\theta_1', \phi_1'; \theta_2', \phi_2'; P; \lambda) = \rho'(\theta_2', \phi_2'; \theta_1', \phi_1'; P; \lambda) \tag{3}$$

Since the optical constants of materials may change from point to point, bidirectional reflectance becomes a function of the location of dA. If it is then assumed that the surface can be described by the $z' = f(x', y')$, the correct functional dependence for reflectance is

$$\rho'(\theta_i', \phi_i'; \theta_r', \phi_r'; P; \lambda; x', y', z')_{z'=f(x',y')}$$

Generally, the direction of the normal to dA is also a function of the location of dA on the surface of the object. Hence, even if the incident and reflected radiation have a constant direction with respect to the (x', y', z') coordinates, the angles (θ_i', ϕ_i') and (θ_r', ϕ_r') (taken with respect to the local normal) would be a function of location of the surface element dA. For convenience, a second, absolute coordinate system is usually introduced, viz., (x, y, z). The x-y plane of this system is coincident with the average value of $z' = f(x', y')$ along the surface A, and is, therefore, the "average" plane of the reflector. The normal to this average plane is parallel to the z axis. Instead of referring the incident and reflected radiation to the local coordinates, they are then referred to the absolute system, with θ as the polar angle and ϕ as the azimuthal angle. The bidirectional reflectance with respect to this system is

$$\rho'(\theta_i, \phi_i; \theta_r, \phi_r; P; \lambda; x, y)$$

Another type of reflectance commonly considered is the directional reflectance ρ_d, which is a function of only one direction, either the incident or reflected direction. In the case where reflected power is integrated over a hemisphere and incident power is from a specific direction, directional reflectance is denoted by ρ_{di}. The incident power dp_i is

$$dp_i = dN_i(\theta_i, \phi_i; P_i) \cos \theta_i d\omega_i dA \tag{4}$$

and, using equation 2,

$$dN_r = \rho' \frac{dp_i}{dA} \tag{5}$$

Since the reflected power dp_r is given by

$$dp_r = dA \int_{2\pi} dN_r \cos \theta_r \, d\omega_r = dp_i \int_{2\pi} \rho' \cos \theta_r \, d\omega_r \tag{6}$$

therefore,

$$\rho_{di}(\theta_i, \phi_i; P; \lambda; x, y) = \int_{2\pi} \rho' \cos \theta_r \, d\omega_r \tag{7}$$

When dA is uniformly illuminated from all directions (N_i = constant), the corresponding directional reflectance, ρ_{dr}, is defined as the ratio of the radiance reflected in a given direction to the incident radiance. To proceed as previously,

$$N_r = \int_{2\pi} \rho' N_i \cos \theta_i \, d\omega_i = N_i \int_{2\pi} \rho' \cos \theta_i \, d\omega_i$$

and, thus,

$$\rho_{dr}(\theta_r, \phi_r; P; \lambda; x, y) = \int_{2\pi} \rho' \cos \theta_i \, d\omega_i \tag{8}$$

From comparison of equations 6 and 7,

$$\rho_{di}(\theta, \phi; P; \lambda; x, y) = \rho_{dr}(\theta, \phi; P; \lambda; x, y) = \rho_d \tag{9}$$

ρ_d is called total directional reflectance.

2.2. INSTRUMENTATION

This section describes several types of instruments used to generate the optical data included in this compilation. An expression is derived for the "reflected quantity" measured by each type.

2.2.1. GENERAL ELECTRIC SPECTROPHOTOMETER. A schematic diagram of this measurement apparatus [5] is presented in figure 2. Monochromatic radiation from the source passes through a Nicol prism (N_1) and then through a Wollaston prism (W_1) oriented to N_1 at an azimuth angle α. The prism W_1 converts the radiation into two linearly polarized beams, the polarization of one of which is perpendicular to that of the other. The beams then pass through a rapidly rotating Nicol prism (N_2) and into the integrating sphere where, with the same angle of incidence, one impinges on a reference and the other on the sample materials. A detector looks into the sphere in a direction perpendicular to the plane of the two incident beams. The integrating sphere is coated with a diffuse reflector (MgO), the reflectance of which is assumed independent of polarization.

If f is used to denote the frequency of rotation of N_2 and t the time, the subscripts 1 and 2 to distinguish the beams incident on reference and sample respectively, the symbols $\perp$ and $\parallel$

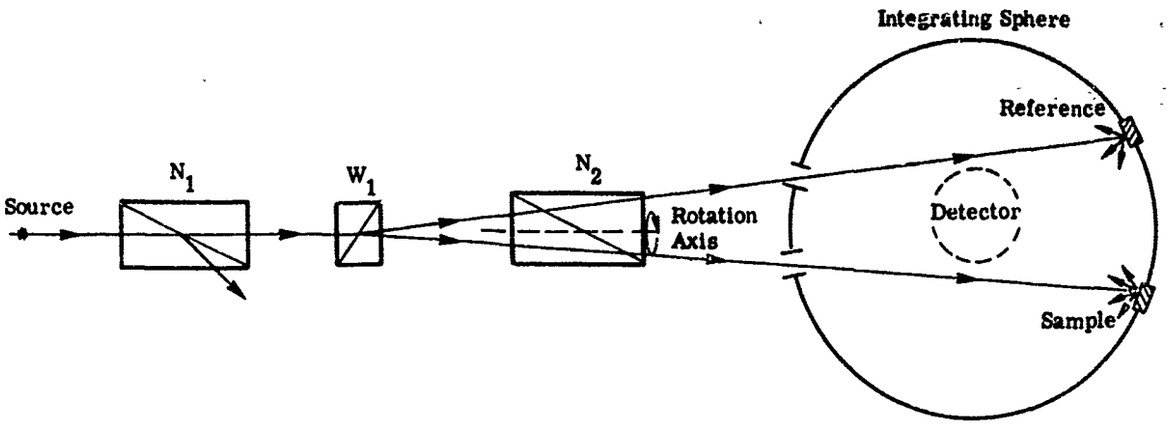


FIGURE 2. SCHEMATIC DIAGRAM OF THE GENERAL ELECTRIC SPECTROPHOTOMETER

to represent the polarizations perpendicular to each other, and the superscripts i and r to represent incident and reflected radiation respectively, then the intensity at the detector (except for a factor dependent on the reflectance of the sphere) is

$$I = I_1^r + I_2^r \tag{10}$$

The total intensities emerging from W_1 are linearly polarized and given by

$$\begin{aligned} I_1' &= I_0 \sin^2 \alpha \\ I_2' &= I_0 \cos^2 \alpha \end{aligned} \tag{11}$$

where I_0 is the intensity of the radiation from N_1. The prism N_2 passes that portion of the intensity polarized in a fixed direction, so that

$$\begin{aligned} I_1^i &= I_1' \sin^2 (2\pi ft) = I_0 \sin^2 \alpha \sin^2 (2\pi ft) \\ I_2^i &= I_2' \cos^2 (2\pi ft) = I_0 \cos^2 \alpha \cos^2 (2\pi ft) \end{aligned} \tag{12}$$

If it is assumed that the directional reflectance of the reference, $\rho_{d,1}(\lambda)$, is independent of polarization,

$$I_1^r = \rho_{d,1}(\lambda) I_1^i = \rho_{d,1}(\lambda) I_0 \sin^2 \alpha \sin^2 (2\pi ft) \tag{13}$$

If the polarization symbols $||$ and $\perp$ are taken to refer to the polarization parallel to the directions in which beam 2 emerging from N_2 is maximum and minimum, respectively, then the intensity of radiation reflected from the sample is

$$I_2^r = I_0 \cos^2 \alpha \cos^2 (2\pi ft) \left[\rho_{d,2}(||, \lambda) \cos^2 (2\pi ft) + \rho_{d,2}(\perp, \lambda) \sin^2 (2\pi ft) \right] \tag{14}$$

The intensity at the detector is then*

$$I = I_0\left\{\rho_1 \sin^2\alpha \sin^2(2\pi ft) + \cos^2\alpha \cos^2(2\pi ft)\left[\rho_2(\|, \lambda)\cos^2(2\pi ft) + \rho_2(\perp, \lambda)\sin^2(2\pi ft)\right]\right\} \tag{15}$$

Rearranging terms gives

$$I = 1/2\left\{\rho_1(\lambda)\sin^2\alpha + \cos^2\alpha\left[\frac{3}{2}\rho_2(\|, \lambda) + \frac{1}{2}\rho_2(\perp, \lambda)\right]\right\}$$

$$- 1/2\left[\rho_1(\lambda)\sin^2\alpha - \rho_2(\|, \lambda)\cos^2\alpha\right]\cos(4\pi ft)$$

$$+ 1/8\left[\rho_2(\|, \lambda) - \rho_2(\perp, \lambda)\right]\cos(8\pi ft)\cos^2\alpha \tag{16}$$

The a-c portion of the output from the detector, having a frequency of 2f, is fed to a motor which rotates N_1 so that it takes that position for which

$$\rho_1(\lambda)\sin^2\alpha = \rho_2(\|, \lambda)\cos^2\alpha \tag{17}$$

A simple measurement of α allows $\rho_2(\|, \lambda)$ to be computed from

$$\rho_2(\|, \lambda) = \rho_1 \tan^2\alpha \tag{18}$$

when the reflectance of the reference, $\rho_1(\lambda)$, is known. The directional reflectance ρ_2 is, of course, a function of the direction of incidence, and, therefore, the calculated value is correct only for that particular direction.

Since the incident beam is not infinitesimally narrow, it illuminates a finite, albeit small, area of the sample. Therefore, the computed directional reflectance of the sample is really the true reflectance averaged over the illuminated area,

$$\bar{\rho}_2(\|, \lambda) = \frac{1}{A}\int_A \rho_2(\|; \lambda; x, y)\,dx\,dy \tag{19}$$

where A is the illuminated area of the sample, and similarly for ρ_1. Hence, in terms of the reference $\bar{\rho}_1$, the reflectance of the sample is

$$\frac{\bar{\rho}_2(\|, \lambda)}{\bar{\rho}_1(\lambda)} = \tan^2\alpha$$

2.2.2. BECKMAN DK-2 SPECTROPHOTOMETER WITH REFLECTANCE ATTACHMENT. Figure 3 is an illustration of this measuring device. Monochromatic light is reflected from an

*The subscript d has been dropped.

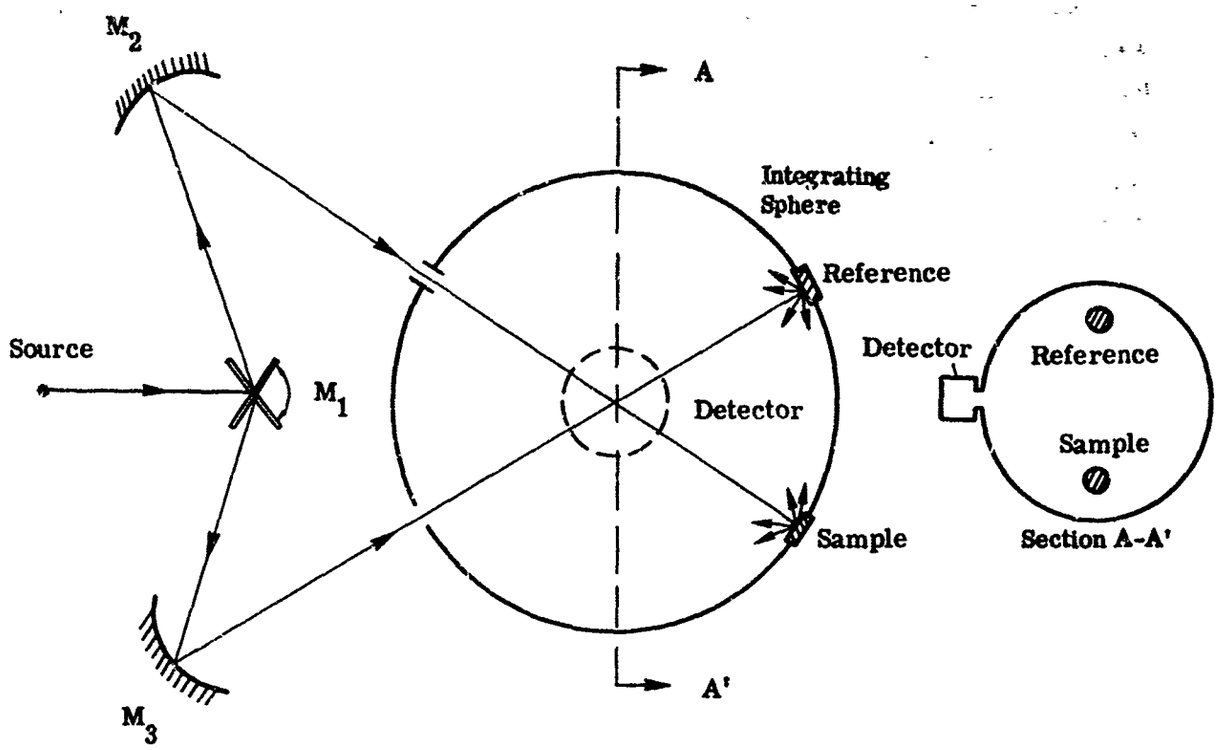


FIGURE 3. SCHEMATIC DIAGRAM OF THE BECKMAN SPECTROREFLECTOMETER

oscillating plane mirror (M_1) alternately to one of two spherical mirrors (M_2 and M_3). M_1 is positioned in the focal planes of M_2 and M_3. Thus, the radiation is reflected alternately, with little divergence, onto the reference and the sample at normal incidence. The detector compares the reflected intensities from the reference and sample and gives the ratio of the two.

Because the monochromator is a prism instrument, the radiation incident on M_1 is slightly polarized. More polarization results from reflection from the plane and spherical mirrors. Radiation entering the integrating sphere is probably elliptically polarized. If the subscripts 1 and 2 are used for quantities referring to the reference and sample respectively, and $\rho_d(P, \lambda, n)$ is taken to represent the directional reflectance at normal incidence, wavelength λ, and polarization P, the reflected intensities are

$$I_1^r = \rho_{d,1}(\lambda, n) I_0$$
$$I_2^r = \rho_{d,2}(P, \lambda, n) I_0 \qquad (20)$$

where I_0 is the incident intensity of wavelength λ and polarization P. It is assumed that the reflectance of the reference is <u>not</u> polarization dependent.

Because the radiation is incident normal to the reflectors, that portion of the intensity which is specularly reflected will exit through the entrance ports undetected. If $\rho_s(P, \lambda, n)$ is taken as the specular reflectance for normal incidence, wavelength λ, and polarization P, then the specularly reflected intensities are $\rho_{s,1}(\lambda, n)I_0$ and $\rho_{s,2}(P, \lambda, n)I_0$ for the reference and sample respectively. If the incident radiation had no divergence and filled the whole entrance port, none of the specularly reflected radiation would be detected. However, because of the divergence of the incident beam and the configuration of the equipment, only a fraction k of this radiation would be undetected. Therefore, the detected intensities are

$$I_1^r = [\rho_{d,1}(\lambda, n) - k\rho_{s,1}(\lambda, n)]I_0$$

$$I_2^r = [\rho_{d,2}(P, \lambda, n) - k\rho_{s,2}(P, \lambda, n)]I_0 \qquad (21)$$

The same value of k is used for both reference and sample because of symmetry. The value reported by the detector represents the ratio

$$\frac{\rho_{d,2}(P, \lambda, n) - k\rho_{s,2}(P, \lambda, n)}{\rho_{d,1}(\lambda, n) - k\rho_{s,1}(\lambda, n)} = \frac{I_1^r}{I_2^r}$$

Again, the indicated reflectances are averages over the illuminated areas.

2.2.3. COBLENTZ HEMISPHERE USED BY NEW YORK UNIVERSITY. This measurement apparatus uses a hemispherical specular reflector (see fig. 4) with the sample and detector located a small distance from and diametrically opposite to the center of the sphere. Through

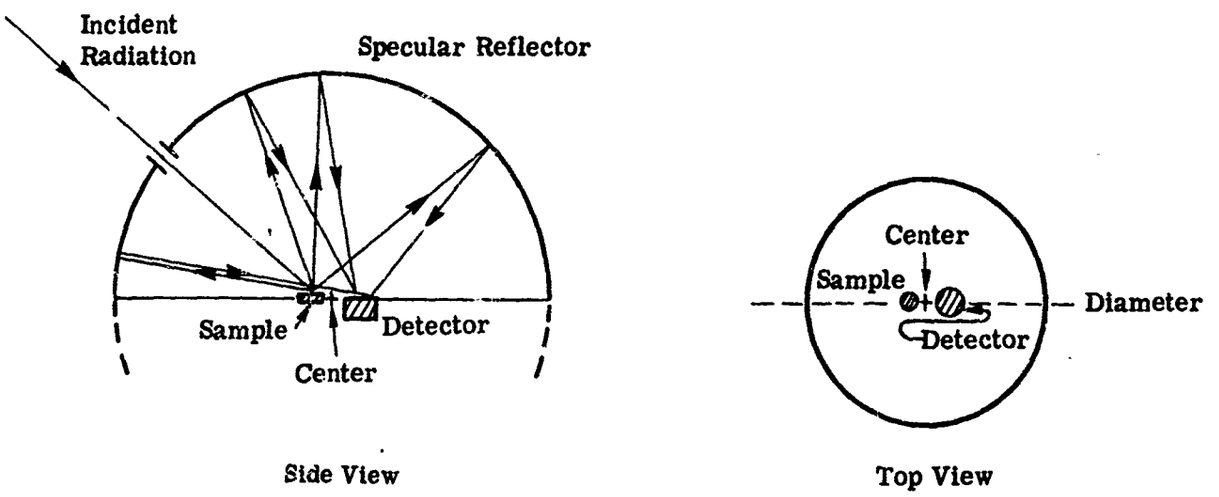


FIGURE 4. SCHEMATIC DIAGRAM OF THE COBLENTZ HEMISPHERICAL REFLECTANCE ATTACHMENT USED BY NEW YORK UNIVERSITY

an entrance port, well collimated, monochromatic radiation becomes incident on the sample at a fixed angle. Because of imaging problems associated with the off-center location of the sample, the aperture of the detector should be larger than the sample to guarantee that most of the radiation reflected from the hemisphere is detected. With $N_i(\lambda; P_i; \theta_i, \phi_i)$ representing the radiance with wavelength λ and polarization P_i incident on the sample in the direction (θ_i, ϕ_i), the radiance reflected by the sample, N_r, is

$$N_r(\lambda; P_r; \theta_r, \phi_r) = \rho'(\lambda; P_i; \theta_r, \phi_r; \theta_i, \phi_i)N_i \qquad (22)$$

where the subscript r designates reflected radiation and ρ' is the bidirectional reflectance for incident polarization P_i. Given the directions of incidence and reflection, P_i, and λ, P_r may be determined.

If it can be assumed that the distance from the sample to the center of the sphere is very small compared to the radius of the sphere and that the area being illuminated is small, then the reflected radiance is approximately normally incident on the sphere. For normal incidence, the reflectance of the sphere, ρ_s, is independent of polarization of the incident radiation and depends only on its wavelength. The power p at the detector is, thus,

$$p = \rho_s(\lambda)N_i A \int_{\omega_r=2\pi} \rho'(\lambda; P_i; \theta_r, \phi_r; \theta_i, \phi_i) \cos \theta_r \, d\omega_r \qquad (23)$$

where N_i is taken as uniform across the illuminated area A, ω_r as the solid angle for reflection from the sample, and ρ' as the bidirectional reflectance averaged over A. From the definition for ρ_d,

$$\rho = N_i A \rho_s(\lambda)\rho_d(\lambda; P_i; \theta_i, \phi_i) \qquad (24)$$

By making two measurements, one with the sample and one with a reference having a directional reflectance $\rho_{d,1}$ which is known,

$$\frac{\rho_d(\lambda; P_i; \theta_i, \phi_i)}{\rho_{d,1}(\lambda; P_i; \theta_i, \phi_i)} = \frac{p}{p_i} \qquad (25)$$

is obtained, where p_i the power reflected from the reference and the reflectances are averaged over the illuminated areas.

Equation 24 represents the power incident in the plane of the detector. In reality, however, the acceptance angle of the detector, ω_d, is less than 2π, so the power received by the detector, p_{rec}, is given by

$$p_{rec} = (\omega_d/2\pi)p$$

At angles of grazing incidence in the plane of the detector, radiation is reflected by the detector and is strongly polarized. This radiation is reflected off the hemisphere and onto the sample.

Therefore, there will be some error caused by multiple reflections, and these reflections will be more strongly polarized than the initial radiation from the monochromator.

2.2.4. PORTABLE SPECTROPHOTOMETER USED BY USAERDL. This instrument is shown in figure 5. White, unpolarized radiation from the source is reflected from a plane mirror (M_1) onto the sample. Radiation reflected from the sample is focused onto the detector aperture by a spherical mirror (M_2). The detector is located in the focal plane of M_2 and thus receives only the radiation reflected normally from the sample. In practice, the detector is a monochromator, so only radiation at a particular wavelength λ is sensed. The source and M_1 can be moved about to give different angles of incidence on the sample. As a result of reflection from M_1 the radiance incident on the sample is probably partially polarized.

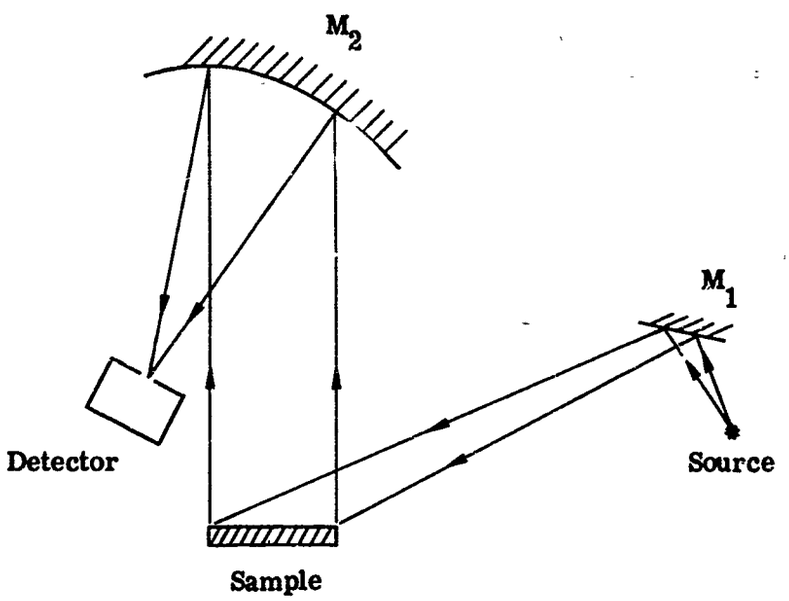


FIGURE 5. SCHEMATIC DIAGRAM OF THE USAERDL PORTABLE SPECTROPHOTOMETER

The spectral radiance incident on an area dA of the sample located at (x, y) is $N_i(\lambda; P; \theta_i, \phi_i; x, y)$, where P is the polarization for the incident direction (θ_i, ϕ_i). For this particular configuration, (θ_i, ϕ_i) is determined by (x, y). The spectral power reflected normally by each dA is dp:

$$dp = dA N_i(\lambda, P) \int_{\Delta\omega_i} \rho'(\lambda; P; \theta_i, \phi_i; n; x, y) \cos\theta_i \, d\omega_i \qquad (26)$$

where ρ' is the spectral bidirectional reflectance for radiation of polarization P which is incident from (θ_i, ϕ_i) on the area at (x, y) and reflected normally (indicated by the symbol n); $\Delta\omega_i$

is the solid angle of the source as seen from the sample, and it is assumed that N_i is constant* in each $\Delta\omega_i$. The total power p reflected normally by the sample (of area A) is

$$p = N_i(\lambda, P) \int_A \int_{\Delta\omega_i} \rho'(\lambda; P; \theta_i, \phi_i; n; x, y) \cos \theta_i \, d\omega_i \, dA \tag{27}$$

For a reference with bidirectional reflectance ρ'_r that is independent of position and polarization, the detected power p' is

$$p' = N_i(\lambda, P) A \int_{\Delta\omega_i} \rho'(\lambda; \theta_i, \phi_i; n) \cos \theta_i \, d\omega_i \tag{28}$$

The ratio of the power detected from the sample to that from the reference is

$$\frac{p}{p'} = \frac{\int_{\Delta\omega_i} \bar{\rho}'(\lambda; P; \theta_i, \phi_i; n) \cos \theta_i \, d\omega_i}{\int_{\Delta\omega_i} \rho'_r(\lambda; \theta_i, \phi_i; n) \cos \theta_i \, d\omega_i} \tag{29}$$

where $\bar{\rho}$ is the average of ρ' over the area A, i.e.,

$$\bar{\rho}' = \frac{1}{A} \int_A \rho' \, dA \tag{30}$$

With $\Delta\omega_i$ so small that quantities may be considered constant throughout it, equation 29 becomes

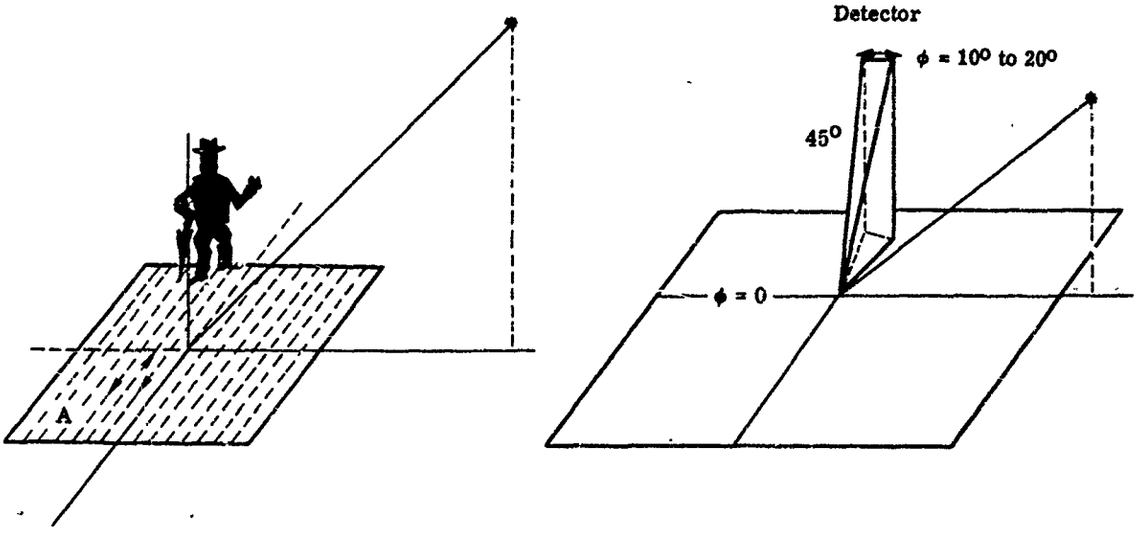
$$\frac{\bar{\rho}'(\lambda; P; \theta_i, \phi_i; n)}{\rho'(\lambda; \theta_i, \phi_i; n)} = \frac{p}{p'} \tag{31}$$

In practice, the beam incident on the sample in this case is divergent. Since reflectance for most objects exhibits angular dependence, and since a divergent beam represents a range of incidence angles, it intuitively appears that the divergence angle will affect the final reflectance value.

2.2.5. KRINOV'S FIELD MEASUREMENTS. The methods described in this section were used for field measurements with the sun and a clear sky as the radiation source. The measurement procedure varied depending upon whether the surface measured was horizontal or vertical. For horizontal surfaces, the detector was oriented in one of two positions: looking directly downward or looking downward at 45° to the vertical. To establish a reference system for further discussion, all azimuth values are relative to the sun which is defined to be at an azimuth

*It has been assumed that $\Delta\omega_i$ is small enough so that a constant, meaningful polarization can be associated with the pencil of radiation.

of 180°; angles are considered positive when measured clockwise from the zero-azimuth line. When looking downward, the detector was either moved back and forth along the 90°-270° line over a large area (cf. fig. 6a) or rotated 5° to 10° about a vertical axis coincident with its viewing direction (cf. fig. 6b). In the first case, when the detector was moved back and forth over a large area of the ground being observed, the instrument was always oriented normal to the ground. In effect, the measurement was bidirectional if it can be assumed that all the incident radiation emanates from the sun. Under this assumption, $\rho'(\theta_i, \phi_i; \theta_r, \phi_r) = \rho'(\theta_{sun}, 180; 0, 0)$. This measurement is integrated over the area of the ground observed. In the second case, the spectrograph was mounted on a tripod and directed at the sample at an angle of 45° from the normal and an azimuth of 270°. The spectrograph was then rotated on the tripod through an azimuth of 10° tc 20°. When measuring vertical surfaces, i.e., trees, cliffs, or walls, the spectrograph was directed horizontally or slightly upward at the surface and at azimuths of 45° or 315°, and the instrument was then also rotated through a small azimuth.



(a) Horizontal surfaces: man walks over area A to be measured with the spectrograph, oriented normal to the ground, looking downward for as much as 30 min.

(b) Horizontal surfaces: $\theta = 45°$, $\phi = 270°$, spectrograph rotated 10 to 20° in azimuth.

FIGURE 6. SCHEMATIC DIAGRAM OF MEASUREMENT CONFIGURATIONS USED BY KRINOV

Because the incident radiation comes from the sun and clear sky, the incident spectral radiance is very dependent on angle and not quite unpolarized (particularly in the blue region of the spectrum): $N_i(\lambda; P_i; \theta_i, \phi_i)$, with (θ_i, ϕ_i) the direction of incidence and P_i the polarization. Also, the time of day, season, and atmospheric condition act as variables. dp_s is the spectral power reflected by a surface element dA and into the rather large solid angle ω_D which subtends the detector:

$$dp_s(\lambda) = dA \int_{\omega_D} d\omega_D \int_{\omega_i=2\pi} \rho'(\lambda;\ P_i;\ \theta_i,\ \phi_i;\ \theta_r,\ \phi_r) N_i(\lambda;\ P_i;\ \theta_i,\ \phi_i) \cos\theta_i\, d\omega_i \qquad (32)$$

where (θ_r, ϕ_r) is the direction of reflectance, ω_i the solid angle of incidence, and ρ' the bidirectional reflectance. The recorder for this system is photographic film, hence the system records energy. Assuming the detector views an area A at any time and scans at a constant rate over a time T, and that N_i is independent of time, then the spectral energy reflected by the sample, $E_s(\lambda)$, is

$$E_s(\lambda) = TA \int_{\omega_D} d\omega_D \int_{\omega_i=2\pi} \bar{\rho}'(\lambda;\ P_i;\ \theta_i,\ \phi_i;\ \theta_r,\ \phi_r) N_i(\lambda;\ P_i;\ \theta_i,\ \phi_i) \cos\theta_i\, d\omega_i \qquad (33)$$

where $\bar{\rho}'$ is ρ' averaged over the scanned area A_s, i.e.,

$$\bar{\rho}' = \frac{1}{A_s} \int_{A_s} \rho'\, dA$$

The sample can be replaced by a reference the reflectance of which, ρ'_r, does not vary with position, and the film exposed for a time T without scanning. The reflected spectral energy $E_R(\lambda)$ is then

$$E_R(\lambda) = TA \int_{\omega_D} d\omega_D \int_{\omega_i=2\pi} \rho'_r(\lambda;\ P_i;\ \theta_i,\ \phi_i;\ \theta_r,\ \phi_r) N_i \cos\theta_i\, d\omega_i \qquad (34)$$

A comparison of $E_s(\lambda)$ and $E_R(\lambda)$ may then be made.

For the second case referred to above, the results are the same if A_s is set equal to A, since it may be assumed that A is imaged onto a small area of the film and the average of $E_s(\lambda)$ over this small area is taken. With the detector pointed downwards at 45° to the vertical and at an azimuth of 90° or 225° the results are obtained as shown with appropriate changes in θ_r and ϕ_r. Similar equations may be derived for vertical surfaces.

2.2.6. HOHLRAUM REFLECTANCE ATTACHMENT. This interesting apparatus for determining spectral reflectance is shown in figure 7. It consists of a blackbody cavity with a viewing port. The viewing port is small enough so that the radiation in the cavity closely approximates the blackbody case, and the portions of the inner wall visible through the port occupy only a small solid angle. The sample is water cooled and is oriented with its normal at an angle of 13° to the viewing direction. If dA is again taken to represent the area of the sample viewed and ρ' to represent the bidirectional reflectance, the spectral power p_r reflected by the sample through the viewing port is

$$p_r(\lambda) = dA N_r(\lambda) \cos(13^\circ)\, d\omega_r = d\Sigma\, d\omega_s N_r(\lambda) \qquad (35)$$

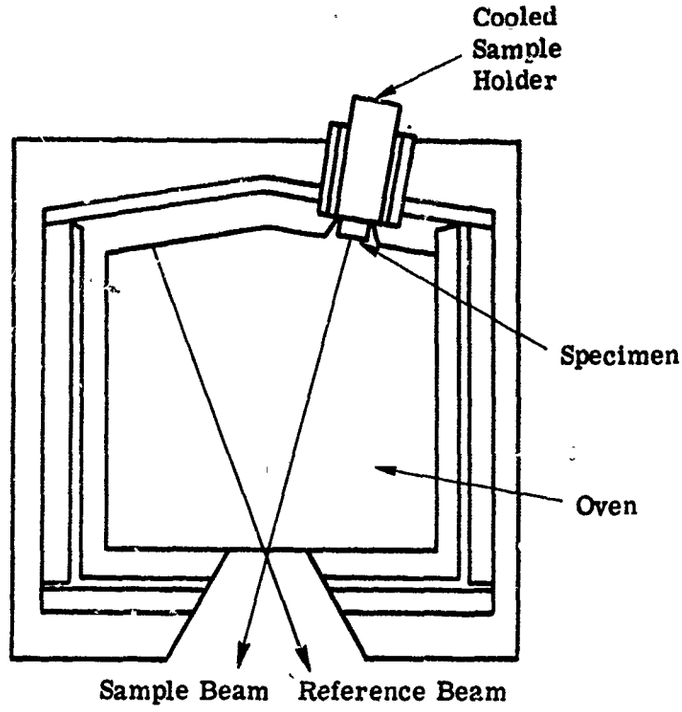


FIGURE 7. SCHEMATIC DIAGRAM OF THE HOHLRAUM REFLECTANCE ATTACHMENT

where $N_r(\lambda)$ is the reflected spectral radiance, $d\omega_r$ the solid angle subtended by the viewing port at the sample, $d\Sigma$ the area of the detector (considered small), and $d\omega_s$ the solid angle subtended by the sample at the detector ($d\omega_s$ is considered normal to $d\Sigma$).

$$N_r(\lambda) = \int_{\omega_i} \rho'(\lambda;\, P_i;\, \theta_i, \phi_i;\, \theta_r, \phi_r) N_i(\lambda) \cos\theta_i \, d\omega_i \tag{36}$$

where $N_i(\lambda)$ is the incident spectral radiance, (θ_i, ϕ_i) the incident direction, ω_i the angle subtended at the sample by the entrance to the sample holder, and P_i the polarization of the incident radiation. The incident radiation is blackbody type and hence unpolarized; furthermore, the incident spectral radiance is a constant. Therefore,

$$p_r(\lambda) = d\Sigma \, d\omega_s N_i(\lambda) \int_{\omega_i} \rho'(\lambda;\, P_i;\, \theta_i, \phi_i;\, 13^\circ, \phi_r) \cos\theta_i \, d\omega_i \tag{37}$$

Next, the detector is moved to view a flat area dA of the cavity wall far from the sample holder. The resulting spectral power, p_w, there is

$$p_w(\lambda) = dA \, d\omega_w N_i(\lambda) \cos\theta_w = d\Sigma \, d\omega_s N_i(\lambda) \tag{38}$$

where θ_w is the angle between the viewing direction and the normal to the wall, and $d\omega_w$ is the solid angle subtended by the viewing port at the area dA on the wall. The ratio of the spectral powers detected is

$$\frac{p_w(\lambda)}{p_s(\lambda)} = \int_{\omega_i} \rho'(\lambda;\ P_i;\ \theta_i, \phi_i;\ 13^o, \phi_r) \cos\theta_i\, d\omega_i \tag{39}$$

Hence, the detector can be interpreted as giving the spectral bidirectional reflectance for unpolarized light, integrated over the projected solid angle of the source (as seen by the sample). Since it was assumed that the detector viewed only a very small area, dA, of the sample, the bidirectional reflectance appearing under the integral applies only to that area. In some instances, the sample has been placed at the wall of the Hohlraum cavity instead of further into the sample holder. The ratio of powers detected is then

$$\frac{p_w(\lambda)}{p_s(\lambda)} = \int_{\omega_i=2\pi} \rho'(\lambda;\ P_i;\ \theta_i, \phi_i;\ 13^o, \phi_r) \cos\theta_i\, d\omega_i = \rho_d(\lambda;\ P_i;\ 13^o, \phi_r)$$

Once again, the reflectance measured is an average over the illuminated area.

2.3. ABSOLUTE REFLECTANCE

As is apparent from the preceeding discussion, the measurement of reflectance is usually made relative to an arbitrary standard, and it is presented in that manner in many cases in this compilation. To convert such data to absolute values requires knowledge of the absolute reflectance of the standard used. An absolute measurement is of the following form:

$$\rho_d(\theta_i, \phi_i)_{abs} = \frac{p_{r,x}}{p_i} \tag{40}$$

where p_i is the power incident on the sample in the direction (θ_i, ϕ_i), and $p_{r,x}$ is the power reflected into a hemisphere by the sample. On the other hand, a relative measurement has the form

$$\rho_d(\theta_i, \phi_i)_{rel} = \frac{p_{r,x}}{p_{r,st}} \tag{41}$$

where, again, $p_{r,x}$ is the power reflected into a hemisphere by the sample, while $p_{r,st}$ is the power reflected into a hemisphere by some reflectance standard.

If the absolute directional reflectance of the standard, $\rho_{d,st}(\theta_i, \phi_i)_{abs}$, is known, the absolute reflectance of the sample can be calculated:

$$\rho_{d,st}(\theta_i, \phi_i)_{abs} = \frac{p_{r,st}}{p_i}$$

or

$$p_{r,st} = \rho_{d,st}(\theta_i, \phi_i)_{abs} p_i \tag{42}$$

Substituting equation 42 into equation 41 yields

$$\rho_d(\theta_i, \phi_i)_{rel} = \frac{p_{r,x}}{\rho_{d,st}(\theta_i, \phi_i)_{abs} p_i}$$

$$\rho_d(\theta_i, \phi_i)_{rel} = \frac{\rho_d(\theta_i, \phi_i)_{abs}}{\rho_{d,st}(\theta_i, \phi_i)_{abs}}$$

and, therefore,

$$\rho_d(\theta_i, \phi_i)_{abs} = \rho_d(\theta_i, \phi_i)_{rel} \rho_{d,st}(\theta_i, \phi_i)_{abs}$$

Thus, to obtain absolute values of the reflectance of a sample, it is necessary to multiply the relative reflectance of the sample by the absolute reflectance of the standard as measured at the same wavelength, incidence angle, etc.

To facilitate these computations, recommended values for the absolute reflectance of three commonly used reflectance standards, MgO, $BaSO_4$, and $MgCO_3$ are presented in figures 8 through 10. The reader is cautioned that although these curves are considered to represent the best data currently available, they are nevertheless subject to the errors inherent in the instrumentation used. If highly accurate results are necessary, the references cited should be consulted for a description of the measurement techniques and error analyses associated with the data. Section 4.2 indicates which of the optical data are reported as absolute and which as relative. For the relative data, the reflectance standard has also been designated.

It should also be noted that even after corrections for the standard are applied to data in this compilation, the curves may or may not more truly represent absolute reflectance. This is because the reflectance of such standards may vary within a few percent on the basis of preparation techniques, thickness and age of the samples, their exposure to ultraviolet radiation, etc. Since very few of the experimenters considered have indicated in their reports the absolute reflectance of the standard they used or completely described its preparation, it is impossible to say that the absolute reflectance shown in figures 8 through 10 is identical to that of the standard used in a given experiment.

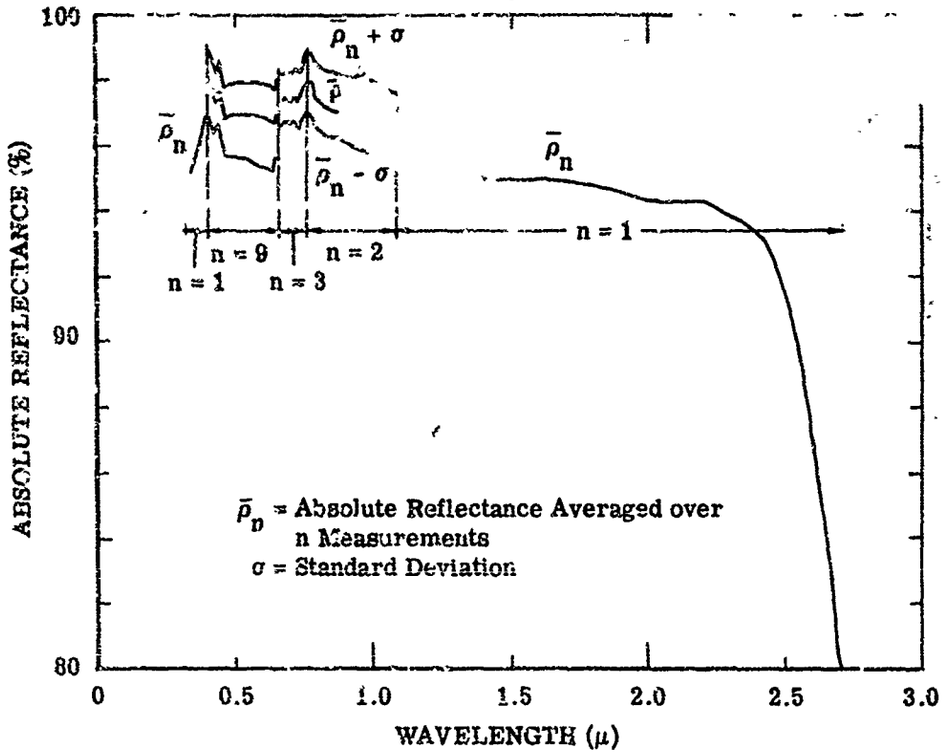


FIGURE 8. ABSOLUTE REFLECTANCE OF SMOKED MgO [6, 7, 8]

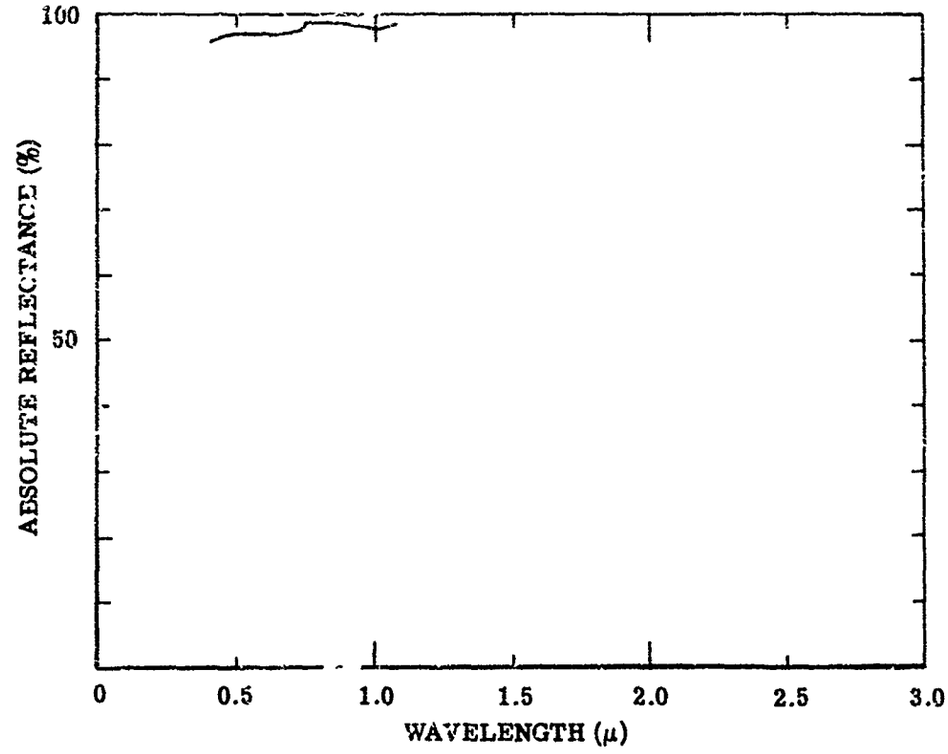


FIGURE 9. ABSOLUTE REFLECTANCE OF PRESSED $BaSO_4$ [7]

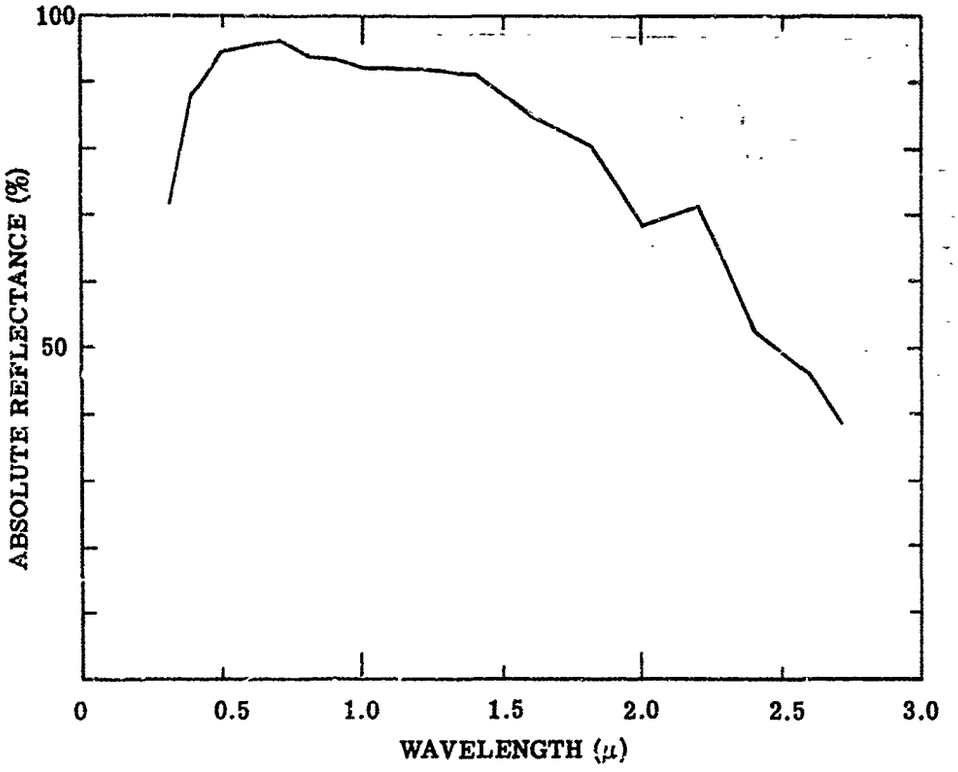


FIGURE 10. ABSOLUTE REFLECTANCE OF PRESSED $MgCO_3$ [6]

Air fields . . . . . AAE
Alder . . . . . BGD 46
Alfalfa . . . . . BGC 106-111, 180
3133-45, 3133-52-3133-53
3133-57-3133-62,
3133-65-3133-67, 3133-77
3135-1
Alkyd . . . . . AEM 52, 53
Alloys . . . . . See Metals
Alumina . . . . . AEA 5, 6
Aluminum . . . . . AEA
Aluminum (substrate) . . . . . AEM
Aluminum Mirror . . . . . CJ 9
Aluminum Oxide . . . . . AEA 2
CJ 10
Apple . . . . . BG 7, 8
BGD 225, 374
Ash . . . . . BGD 107-121
3134-7
Aspen . . . . . BGD 258-261, 376-382
Asphalt . . . . . AAE 1
AAG 5
AEB
AEK 1
3290-7-3290-29

Bakelite . . . . . AEO 3
Balsam Poplar . . . . . BGD 234, 235, 263
Barium Sulfide . . . . . CJ 12
Bark . . . . . BGD 9, 12, 51, 71, 196, 225, 227, 229, 231, 233
Barley . . . . . BGC 31-35
Basswood . . . . . BGD 56-68, 345
Beech . . . . . BGD 2-6, 317-320
Bermuda Grass . . . . . BGC 35
3133-13
Birch . . . . . BGD 47-51, 342
3134-7
Birdsfoot Trefoil . . . . . BGC 106
Blackberry . . . . . BGD 226
Blacktop . . . . . See Asphalt
Bracken Fern . . . . . BGC 3
Bramble . . . . . BGD 225
Brass . . . . . AEL 6
Brick . . . . . AEC
Bridges . . . . . AAH
Bromegrass . . . . . BGC 12
Buckeye . . . . . BGD 303
Buildings . . . . . AAA
3201-4
3202
(Also see specific building materials.)
Burdock . . . . . BGC 146
Burlap . . . . . AED
AEM 15

Cabbage . . . . . BGC 103, 104
Calabash . . . . . BGD 232
Calcium Carbonate . . . . . BFK 1
Calcium Oxide . . . . . CJ 11
Calcium Sulfate . . . . . BFK 1
Camouflage . . . . . AAKA 1, 2
AED
AEE
Canvas . . . . . AEE
AEM 70
Carbon Black . . . . . AEL 20
BFL 1
Cardboard . . . . . AEN
Catalpa . . . . . BGD 30-32, 336
Caucasian . . . . . AAK 1, 2, 4, 5, 7
Cedar . . . . . BGD 122, 123, 358
Cement . . . . . AE 1
AEG
Cherry . . . . . BGD 226, 227, 230
Chestnut . . . . . BGD 320
Chinese Pistachio . . . . . BGD 33
Chlorphyll . . . . . BGD 328, 329, 358
Chrome . . . . . AEL 6
Chromium . . . . . AEL 1, 6
Cinder . . . . . AEF
3290-48-3290-50, 3290-52, 3290-53
Cinder Block . . . . . AEF 1
Clay . . . . . See Soil (Clay)
Clay Loam . . . . . BFFA
Cloth
Burlap . . . . . AED
Canvas . . . . . AEE
Cotton . . . . . AAKA 1, 6, 14-28, 33, 35
Nylon . . . . . AAKA 6, 28-31
Orlon . . . . . AAKA 31
Rayon . . . . . AAKA 32, 34, 36
Tape . . . . . AE 2
Vinyl . . . . . AAKA 6
AEO 2-5
Wool . . . . . AAKA 1, 2, 6-14, 32, 36
Clothing . . . . . AAKA
Clover . . . . . BGC 68-70, 111, 112
Cobblestone . . . . . AAG 3-5
Cocklebur . . . . . BGC 145
Cocoanut Palm . . . . . BGD 316, 317
Coffee . . . . . BGC 112
Coleus . . . . . BGD 304-314
Concrete . . . . . AE 1
AEG
3290-29-3290-39, 3290-51
Copper . . . . . AEL 6, 20
Corn . . . . . BGC 35-55, 148, 149
3133-62-3133-64
3135-1
Cotton . . . . . BGC 99-102, 159-179
CJ 12
3133-56, 3133-57
Cotton (cloth) . . . . . AAKA 1, 6, 14-28, 33, 35
Cottonwood . . . . . BGD 235-258, 375, 376
Creosote . . . . . AET 1
Crops . . . . . AAA 1
BE 14
3133
3135
(Also see specific crops, e.g., corn, wheat, alfalfa, etc.)
Crow Foot . . . . . BGC 2

Daisies . . . . . BGC 1
Desert . . . . . 3137 (Also see Sand)
Dieffenbachia . . . . . BGD 315
Dirt . . . . . AAG 1-3
AEH
AEM 54, 67
3290-52, 3290-53
Dogwood . . . . . BGD 36-43
Dracaena . . . . . BGC 145
Duckweed . . . . . BH 2
BGC 2

Elm . . . . . BG 8
BGD 45, 46, 337-340
3134-7

Factories 3201
Fallow . . . . . BG 8
Farmland . . . . . 3135 (Also see Crops, and Rural Terrain)
Fescue . . . . . BGC 56
Fiberfrax . . . . . CJ 10, 11
Field . . . . . AAA 1
BE 3, 4, 11-14
BG 3, 4
BGC 1, 2, 15-28, 65, 68-70, 113, 143
3133
Fine Sandy Loam . . . . . BFDB
Fir . . . . . BGD 123-125, 3134-6
Flags (weeds) 3133-11, 3133-12, 3133-26, 3133-27
Flagstone . . . . . AAG 5
Flax . . . . . BGC 3, 4
Fluorite . . . . . BFK 3
Foliage . . . . . See Vegetation
Forest . . . . . See Terrain
Foxtail . . . . . BGC 56, 57

Galvanite . . . . . AEM 38
Galvanized Iron . . . . . AEL 19
Geranium . . . . . BGD 303, 304, 312, 313
Ginkgo Biloba . . . . . BGD 303
Glass . . . . . AEJ
CJ 13
Gold . . . . . AEL 7
Goldenrod . . . . . BGD 34
Granite . . . . . AE 2
BFHD 2
Graphite . . . . . BF 2
Grass . . . . . BG 4
BGC 9, 12-31, 35, 55, 56, 58, 59, 143, 147-148
3133-1-3133-44
Gravel . . . . . AEK
BFHB
3290-1-3290-6
3290-26-3290-29
3290-40-3290-43
3290-48-3290-51
Ground Targets . . . . . See Buildings, Airfields, Roads, Bridges, Personnel, Vehicles, Industrial Facilities

Haloxylon . . . . . BG 8
Hastelloy . . . . . AEL 3
Hawthorne . . . . . BGD 227
Hay . . . . . BG 9 (Also see Straw)
Hazelnut . . . . . BGD 51, 52
Heather . . . . . BGC 99
Hemlock 3134-7
Hibiscus . . . . . BGC 158, 159
Hickory . . . . . BGD 232-234
Holly . . . . . BGD 54
Hornbeam . . . . . BGD 53

Ice 3122
Ilyas . . . . . BGC 58, 59
Inconel X . . . . . AEL 2, 3, 8
Indian Mallow . . . . . BGC 158
Industrial Areas 3201

Iron . . . . . AAA 1
AEL 1
Ironwood . . . . . BGD 44

Japanese . . . . . AAK 3
Juneberry . . . . . BGD 228
Juniper . . . . . BGD 125, 126, 358, 359

Kaolin . . . . . AEM 66
Khaki . . . . . AAKA 1
Kovar . . . . . AEL 8

Lacquer . . . . . AEM 89
Lake . . . . . See Water
Larch . . . . . BGD 126, 127
Laurel . . . . . AEM 85
Lava . . . . . BFHD 2
Lentil . . . . . BGC 113
Lichens . . . . . BG 9
Lilac . . . . . BGD 356, 357
Lima Beans . . . . . BGC 113, 114
Limestone . . . . . BFHA 1
Linden . . . . . BGD 69
Linseed Oil . . . . . AEM 52, 89
Loam . . . . . BFEA
Loamy Sand . . . . . BFCB
Locust . . . . . BGD 233, 234
Loess 3131-53-3131-58
Log . . . . . AAA 2
Lucite . . . . . AEO 2

Madrone . . . . . BGD 342, 343
Magnesium . . . . . AEL 9
Magnesium Carbonate . . . . . CJ 8, 9
Magnesium Citrate . . . . . CJ 12
Magnesium Oxide . . . . . CJ 7
Magnolia . . . . . BGD 70, 345
Manzanita . . . . . BGC 156, 157
Maple . . . . . BGD 72-106, 345-353
Marsh 3136
Marsh Grass 3136-2, 3136-3
Meadow . . . . . See Field
Mesquite . . . . . BGD 233
Metals
Aluminum . . . . . AEA
Brass . . . . . AEL 6
Chrome . . . . . AEL 6
Chromium . . . . . AEL 1, 6
Copper . . . . . AEL 6, 20
Galvanized Iron . . . . . AEL 19
Gold . . . . . AEL 7
Hastelloy . . . . . AEL 3
Inconel X . . . . . AEL 2, 3, 8
Iron . . . . . AEL 1
Kovar . . . . . AEL 8
Magnesium . . . . . AEL 9
Molybdenum . . . . . AEL 2, 8
Nickel . . . . . AEL 9, 10
Palladium . . . . . AEL 12
Platinum . . . . . AEL 10, 11
Rhodium . . . . . AEL 11, 12
Silver . . . . . AEL 12, 13
Stainless Steel . . . . . AEL 1, 13-15, 20
Steel (mild) . . . . . AEL 5
Titanium . . . . . AEA 6
AEL 3-5, 16-19
Zinc . . . . . AEL 19
Mica . . . . . AEM 49, 50, 66
BFK 3
Milkweed . . . . . BGC 144

Millet . . . . . BGC 61
Minerals . . . . . BFK
Mint . . . . . BGC 144
Mockernut . . . . . BGD 233
Molybdenum . . . . . AEL 2, 6
Moss . . . . . BFHD 2
BG 2, 4
BGA 1
BGB 1, 2
Mountain Laurel . . . . . BGD 53-55
Mountains . . . . . See Terrain (Mountainous)
Mud . . . . . AAG 3
BF 13, 14
Mulberry . . . . . BGD 353
Mullein . . . . . BGD 341
Mustard . . . . . BGC 104
Mylar . . . . . AEO 3

Negro . . . . . AAK 1, 3-7
Nickel . . . . . AEL 9, 10
Nylon . . . . . AAKA 6, 28-31

Oak . . . . . AET 1
BGD 7-29, 320-336
3134-4
Oats . . . . . BGC 62-65
3133-56
3133-71-3133-75, 3133-82
Olive Drab . . . . . AAKA 2, 6, 28-30
AE 2
AED 3-5
AEE 1
AEM 13, 14, 16, 17, 78-82
AEO 4, 5
Opal . . . . . CJ 13
Organic Materials . . . . . BFHA
Orlon . . . . . AAKA 31

Paint . . . . . AEM
Alkyd . . . . . AEM 52, 53, 76, 91
Aluminum . . . . . AEM 37-39, 82-
Aluminum Silicate . . . . . AEM 50, 51
Black . . . . . AEM 1-4, 54-63, 67-71, 91
Blue . . . . . AEM 3, 4, 54,
Brown . . . . . AEM 1, 58, 59
Clear Finishes . . . . . AEM 3, 87-90
Chromic Oxide (Chrome green) . . . . AEM 18-25
Color Unknown . . . . . AEM 39-51, 86, 87
Driers, Thinners, Mediums . . . . . AEM 52, 87-90 (Also see Alkyd, Resin)
Ferric Oxide (Hematite) . . . . . AEM 26-37, 82
Foreign . . . . . AALF 1
AEM 85, 87
Gold . . . . . AEM 37
Green . . . . . AALF 1
AEM 12-25
Grey . . . . . AEM 2, 4, 63-65, 70
Lead Basic Carbonate (White Lead) . . AEM 9-12, 19-21
Metallic . . . . . AEM 37-39, 82-86
Mica . . . . . AEM 49, 50
Olive Drab . . . . . AEM 13, 14, 16, 17, 78-82
Orange . . . . . AEM 2, 67
Primer . . . . . AEM 26, 37
Red . . . . . AAA 1
AEM 25-37, 81
Resin . . . . . AEM 68, 76, 77, 85, 86, 90
Turquoise . . . . . AEM 2
White . . . . . AEM 5-12, 71-78
Yellow . . . . . AEM 60, 61
Zinc (Galvanite) . . . . . AEM 38
Zinc Oxide (Zinc White) . . . . . AEM 6-9, 18, 19

Palladium . . . . . AEL 12
Palmetto . . . . . BGD 317
Paper . . . . . AEN
Pararubber . . . . . BGD 355, 356
Paulowina . . . . . BGD 46
Pavement . . . . . 3290 (Also see Roads)
Pea . . . . . BGC 114
Peach . . . . . BGD 228, 229
Peanuts . . . . . BGC 114-116
Pear . . . . . BGD 226
Pebbles . . . . . AEB 1
AEG 1
BFCA 6
Persimmon . . . . . BGD 44
Personnel . . . . . AAK (Also see Clothing and Cloth)
Philodendron . . . . . BGD 316
Pigweed . . . . . BGC 5
Pine . . . . . BE 8
BGD 127-195, 359, 360
3132-1
3134-4, 6-7
Pinyon . . . . . BGD 121, 122
Pitch . . . . . AEQ 1
Plantain . . . . . BGC 142
Plastic . . . . . AEO
Platinum . . . . . AEL 10, 11
Plum . . . . . BG 7
BGD 227, 230, 231, 374
Polsol . . . . . AAG 2
BFA 1-5
Pond . . . . . See Water
Poplar . . . . . BGD 282-288, 382, 383
Potassium Nitrate . . . . . BFK 1
Potato . . . . . BGC 104, 179, 180
Pottery . . . . . AER 7
Primer . . . . . AEM 26, 37
Pyrite . . . . . BFK 3

Quartz . . . . . BFK 3

Ragweed . . . . . BGC 1
Railroad 3135-7
Rayon . . . . . AAKA 32, 34, 36
Redbud . . . . . BGD 373
Reeds . . . . . BGC 65
Reindeer Moss . . . . . BGA 1
Residential Area 3202
Rhodium . . . . . AEL 11, 12
Rice . . . . . BGC 66
River . . . . . See Water
Roads . . . . . AAA 1
AAG
(See also pavement and specific road materials such as: asphalt, cinder, concrete, gravel, dirt, etc.)
Rock . . . . . AEK 1
BE 11
BFHD 1
Roofing Materials . . . . . AAA 1, 2
AER 1
Rubber . . . . . AEP
Rubber Leaf . . . . . BGD 106, 353-355
Runway . . . . . AAE 1
Rust . . . . . AE 2
AEL 5
Rye . . . . . BGC 66, 67
Rye Grass 3133-24, 3133-25

Sagebrush . . . . . BGD 35

Salt . . . . . BE 7, 15
BF 17
BFK 2
3131-58
Sand . . . . . See Soil (Sand)
Sandy Loam . . . . . See Soil (Sandy Loam)
Saran . . . . . AEM 52
Sapphire Felt . . . . . CJ 10, 11
Sassafras . . . . . BGD 55, 344
Sauereisen . . . . . AE 3
Sawdust . . . . . AE 2
Sea . . . . . BH 6
3123
Sedge . . . . . BH 2, 3
BGC 143
Selin . . . . . BGC 68
Shale . . . . . BF 17
Shellac . . . . . AEM 90
Shingles . . . . . AAA 1
Silt . . . . . BFEC
Silt Loam . . . . . BFEB
Silty Clay Loam . . . . . BFFC
Silver . . . . . AEL 12, 13
Skin
Caucasian . . . . . AAK 1, 2, 4, 5, 7
Japanese . . . . . AAK 3
Negro . . . . . AAK 1, 3-7
Sky . . . . . (P) BAB
Snow . . . . . BH 7-14
(P) BH
3133-28, 3133-34-3133-38,
3133-47-3133-51
3290-37-3290-39-3135-6
Sodium Carbonate . . . . . BFK 1
Sodium Chloride . . . . . BFK 1
Sodium Nitrate . . . . . BFK 1
Sodium Silicate . . . . . AEH 2
BFK 2, 3
BFL 1, 2
Soil
Clay . . . . . BFGC
3131-31-3131-43
Clay Loam . . . . . BFFA
Cultivated . . . . . BFA
BFDA 6-8
3131-44-3131-52
3135-8
Dirt . . . . . AAG 1-3
AEH
AEM 54
Fine Sandy Loam . . . . . BFDB
Lava . . . . . BFHD 2
Loam . . . . . BFEA
Loamy Sand . . . . . BFCB
Loess 3131-53-3131-58
Miscellaneous . . . . . BF
Organic Materials . . . . . BFHA
Rock . . . . . BE 11
BFHD 1
Sand . . . . . BE 1-3, 5, 6, 9, 10, 16
BFCA
AEM 67
3131-1-3131-30
(Also see Desert)
Sandy Loam . . . . . AAG 1
BFDA
3133-29, 3133-32, 3133-39,
3133-42, 3133-44, 3133-46
Shale . . . . . BF 17
Silt . . . . . BFEC
Silt Loam . . . . . BFEB
Silty Clay Loam . . . . . BFFC
Sorghum . . . . . BGC 9-12
Soybeans . . . . . BGC 116-141
3133-52, 3133-54, 3133-55,
3133-59, 3133-60, 3133-77,
3133-79
Sphagnum Moss . . . . . BGB 1, 2
Spruce . . . . . BGD 195, 196, 361
Squash . . . . . BGC 8
Stainless Steel . . . . . AEL 1, 13-15, 20
Steel (mild) . . . . . AEL 5
Stones . . . . . BFHD
3290-44-3290-47
Straw . . . . . AAA 1, 2
BG 1
BGC 65, 67, 99, 113
Stream . . . . . See Water
String Beans . . . . . BGC 141, 142
Sudan Grass 3133-8-3133-11
Sugar Beet . . . . . BGC 6-8
Sulphur . . . . . CJ 9
BFL 1
Sumach . . . . . BGD 33, 34
Sunflower . . . . . BGC 1
Swamps . . . . . See Marsh
Sweetgum . . . . . BG 5
BGD 291-302, 374
Sweet Potato . . . . . BGC 1
Sycamore . . . . . RGD 196-223, 361-372

Tape . . . . . AE 2
Tar . . . . . AEQ
Targets . . . . . See Ground Targets and specific types of targets
Tar Paper . . . . . AEQ 2
Target Materials . . . . . See specific materials such as Asphalt, Brick, Concrete, etc.
Target Materials (miscellaneous) . . . . AE
Terra Cota . . . . . AE 1
Terrain . . . . . BE
BF 10-13
Flat . . . . . BE 2-7
Hilly . . . . . BE 7, 8
Ice, Water, and Land 3154
Mountains . . . . . BE 9-11
3137-2, 3137-7-3137-11
Rural . . . . . BE 12-14
(Also see Farmland)
Water and Land 3152
Water, Ice, Land, and Small Buildings 3303
Wooded . . . . . BE 1, 8
BH 9
3132-1
3134
3136-3
Tile . . . . . AER
Timothy . . . . . BGC 68-70
Titanium . . . . . AEA 6
AEL 3-5, 16-19
Titanium Dioxide . . . . . CJ 11
Tomato . . . . . BGC 104, 105
Tourmaline . . . . . AEM 67
Tree . . . . . BE 4
BGD 1, 2, 6, 22, 23, 196, 259
Tropical Vegetation . . . . . BG 1, 5
BGD 2, 106
Truck . . . . . AALF 1
Tuff . . . . . AE 1
Tulip . . . . . BGD 70, 71
Tulip Poplar . . . . . BGD 71, 72
Tupelo Gum . . . . . BGD 231
Turpentine . . . . . AEM 52, 89

Uniforms . . . . . AAKA

Vegetation
Alder . . . . . BGD 46
Alfalfa . . . . . BGC 106-111, 180
3133-45, 3133-52-3133-53,
3133-57-3133-62,
3133-65-3133-67, 3133-77,
3135-1
Apple . . . . . BG 7, 8
BGD 225, 374
Ash . . . . . BGD 107-121
3134-7
Aspen . . . . . BGD 258-261, 376-382
Balsam Poplar . . . . . BGD 234, 235, 263
Bark . . . . . BGD 9, 12, 51, 71, 196, 225,
227, 229, 231, 233
Barley . . . . . BGC 31-35
Basswood . . . . . BGD 56-68, 345
Beech . . . . . BGD 2-6, 317-320
Bermuda Grass . . . . . BGC 35
3133-13
Birch . . . . . BGD 47-51, 342
3134-7
Birdsfoot Trefoil . . . . . BGC 106
Blackberry . . . . . BGD 226
Bracken Fern . . . . . BGC 3
Bramble . . . . . BGD 225
Bromegrass . . . . . BGC 12
Buckeye . . . . . BGD 303
Burdock . . . . . BGC 146
Cabbage . . . . . BGC 103, 104
Calabash . . . . . BGD 232
Catalpa . . . . . BGD 30-32, 336
Cedar . . . . . BGD 122, 123, 358
Cherry . . . . . BGD 226, 227, 230
Chestnut . . . . . BGD 320
Chinese Pistachio . . . . . BGD 33
Clover . . . . . BGC 68-70, 111, 112
Cocklebur . . . . . BGC 145
Coconut Palm . . . . . BGD 316, 317
Coffee . . . . . BGC 112
Coleus . . . . . BGD 304-314
Corn . . . . . BGC 35-55, 148, 149
3133-62-3133-64
3135-1
Cotton . . . . . BGC 99-102, 159-179
CJ 12
3133-56, 3133-57
Cottonwood . . . . . BGD 235-258, 375, 376
Crow Foot . . . . . BGC 2
Daisies . . . . . BGC 1
Dieffenbachia . . . . . BGD 315
Dogwood . . . . . BGD 36-43
Dracaena . . . . . BGC 145
Duckwood . . . . . BH 2
BGC 2
Elm . . . . . BG 8
BGD 45, 46, 337-340
3134-7
Fallow . . . . . BG 4
Fescue . . . . . BGC 56
Field . . . . . AAA 1
BE 3, 4, 11-14
BG 3, 4
BGC 1, 2, 15-28, 65, 68-70,
113, 143
Fir . . . . . BGD 123-125
3134-6
Flax . . . . . BGC 3, 4
Foxtail . . . . . BGC 56, 57
Geranium . . . . . BGD 303, 304, 312, 313
Ginkgo Biloba . . . . . BGD 303
Goldenrod . . . . . BGD 34
Grass . . . . . BG 4
BGC 9, 12-31, 35, 55, 56, 58,
59, 143, 147-148
3133-1-3133-44
Haloxylon . . . . . BG 8
Hawthorne . . . . . BGD 227
Hay . . . . . BG 9 (Also see straw)
Hazelnut . . . . . BGD 51, 52
Heather . . . . . BGC 99
Hemlock 3134-7
Hibiscus . . . . . BGC 158, 159
Hickory . . . . . BGD 232-234
Holly . . . . . BGD 54
Hornbeam . . . . . BGD 53
Ilyas . . . . . BGC 58, 59
Indian Mallow . . . . . BGC 158
Ironwood . . . . . BGD 44
Juneberry . . . . . BGD 228
Juniper . . . . . BGD 125, 126, 358, 359
Larch . . . . . BGD 126, 127
Lentil . . . . . BGC 113
Lichens . . . . . BG 9
Lilac . . . . . BGD 356, 357
Lima Beans . . . . . BGC 113, 114
Linden . . . . . BGD 69
Locust . . . . . BGD 233, 234
Madrone . . . . . BGD 342, 343
Magnolia . . . . . BGD 70, 345
Manzanita . . . . . BGC 156, 157
Maple . . . . . BGD 72-106, 345-353
Marsh Grass 3136-2, 3136-3
Mesquite . . . . . BGD 233
Milkweed . . . . . BGC 144
Millet . . . . . BGC 61
Mint . . . . . BGC 144
Mockernut . . . . . BGD 233
Moss . . . . . BFHD 2
BG 2, 4
BGA 1
BGB 1, 2
Mountain Laurel . . . . . BGD 53-55
Mulberry . . . . . BGD 353
Mullein . . . . . BGD 341
Mustard . . . . . BGC 104
Oak . . . . . AET 1
BGD 7-29, 320-336
3134-4
Oats . . . . . BGC 62-65
3133-56
3133-71-3133-75, 3133-82
Palmetto . . . . . BGD 317
Pararubber . . . . . BGD 355, 356
Paulownia . . . . . BGD 46
Pea . . . . . BGC 114
Peach . . . . . BGD 228, 229
Peanuts . . . . . BGC 114-116
Pear . . . . . BGD 226
Persimmon . . . . . BGD 44
Philodendron . . . . . BGD 316
Pigweed . . . . . BGC 5
Pine . . . . . BE 8
BGD 127-195, 359, 360
3132-1
3134-4, 6-7
Pinyon . . . . . BGD 121, 122
Plantain . . . . . BGC 142
Plum . . . . . BG 7
BGD 227, 230, 231, 374
Poplar . . . . . BGD 262-288, 382, 383
Potato . . . . . BGC 104, 179, 180
Ragweed . . . . . BGC 1
Redbud . . . . . BGD 373
Reeds . . . . . BGC 65

Reindeer Moss . . . . . BGA 1
Rice . . . . . BGC 66
Ruboer Leaf . . . . . BGD 106, 353-355
Rye . . . . . BGC 66, 67
Rye Grass 3133-24, 3133-25
Sagebrush . . . . . BGD 35
Sassafras . . . . . BGD 55, 344
Sedge . . . . . BH 2, 3
BGC 143
Selin . . . . . BGC 68
Sorghum . . . . . BGC 9-12
Soybeans . . . . . BGC 116-141
3133-52, 3133-54, 3133-55,
3133-59, 3133-60, 3133-77,
3133-79
Sphagnum Moss . . . . . BGB 1, 2
Spruce . . . . . BGD 195, 196, 361
Squash . . . . . BGC 8
Straw . . . . . AAA 1, 2
BG 1
BGC 65, 67, 99, 113
String Beans . . . . . BGC 141, 142
Sudan Grass 3133-8-3133-11
Sugar Beet . . . . . BGC 6-8
Sumach . . . . . BGD 33, 34
Sunflower . . . . . BGC 1
Sweetgum . . . . . BG 5
BGD 291-302, 374
Sweet Potato . . . . . BGC 1
Sycamore . . . . . BGD 196-223, 361-372
Timothy . . . . . BGC 68-70
Tomato . . . . . BGC 104, 105
Tree . . . . . BE 4
BGD 1, 2, 6, 22, 23, 196, 259
Tropical Vegetation . . . . . BG 1, 5
BGD 2, 106
Tulip . . . . . BGD 70, 71
Tupip Poplar . . . . . BGD 71, 72
Tupelo Gum . . . . . BGD 231
Vetch . . . . . BGC 70
Virburnum . . . . . BGD 33
Virginia Creeper . . . . . BGD 232, 375
Walnut . . . . . BGD 232
Weeds . . . . . BH 2, 3
BG 3
BGC 1
3133-11, 3133-12, 3133-26,
3133-27, 3133-38, 3133-44
Wheat . . . . . BGC 70-99, 150-156
3133-68-3133-70,
3133-80-3133-82
3135-1
Willow . . . . . BGD 289, 290
Wormwood . . . . . BGD 35, 36
Yantak . . . . . BG 4
Yucca . . . . . BGD 56
Vehicles . . . . . See Trucks
Vetch . . . . . BGC 70
Virburnum . . . . . BGD 33
Vinyl . . . . . AAKA 6
AEC 2-5
Virginia Creeper . . . . . BGD 232, 375

Walnut . . . . . BGD 232
Water . . . . . BF 13
BH
BG 2
BGC 65
3123
3136-2, 3136-3
Weeds . . . . . BH 2, 3
BG 3
BGC 1
3133-11, 3133-12, 3133-26,
3133-27, 3133-38, 3133-44
Wheat . . . . . BGC 70-99, 150-156
3133-68-3133-70
3133-80-3133-82
3135-1
Willow . . . . . BGD 289, 290
Wood . . . . . AAA 2
AAG 5
AAH 1
AET
Wood Stain . . . . . AEM 4
Wool . . . . . AAKA 1, 2, 6-14, 33, 36
Wormwood . . . . . BGD 35, 36

Yantak BG 4
Yucca BGD 56

Zinc AEL 19
Zinc Sulfide CJ 12

4
OPTICAL DATA

4.1. (U) DATA FORMAT

In order to transfer a data curve from a source document to the Target Signature Library, the curve is first manually digitized and keypunched on IBM cards. Great care is exercised to preserve all significant details of the original curve except those attributable to instrument noise. Data points are taken in such a way that a new curve formed by connecting the data points with straight lines will duplicate the original curve. In essence, this amounts to taking data points at all significant inflection points on the original curve, so relatively few data points are required to describe a smooth curve, while many points may be required to describe a highly erratic curve. The keypunched cards are the mechanism for transferring the data to magnetic tape in the Target Signature Library and for printing out data curves in a standard format on a plotting machine. All curves presented in this report have been prepared by this process.

The header information above each curve in section 4.3 includes the curve's identification number, the curve's title, subject codes, and parameter information. The identification number consists of the internal control letter B and eight digits. The first five digits identify the document from which the data were taken. (Sections 4.2 and 7 list the documents used by control letter and these five digits.) The last three digits of the identification number have been arbitrarily assigned by the Target Signature Analysis Center for retrieval and to identify a particular curve within a given source. The subject code is a group of letters assigned to each curve to permit retrieval by subject. Each letter represents a specific descriptor, and each curve is assigned as many letters as are required to describe it adequately. The Target Signature Subject-Code List (table I) explains these codes. As an example, a curve may be described as follows:

Object measured: loam (BFEA)

Instrumentation: General Electric spectrophotometer (CDB)

Experimental platform: Laboratory (CED)

Quantity measured: Directional reflectance with the specular component included in the measurement (DFAA)

Reflectance standard: MgO (DFCE)

Spectral interval: 0.4 to 0.7 μ (ECB) and 0.7 to 1.5 μ (ECCA)

The conditions of the experiment, called parameter information, are also listed on the printed header in abbreviated form. This information is derived from the original source when possible. For many of the data, very few parameter entries appear because the source did not document all of the experimental parameters or because the same parameters are not applicable

to all measurements, e.g., altitude and range are not parameters for laboratory measurements. Table III is the key for interpreting this parameter information.

The optical data in section 4.3 are arranged according to the subject code most descriptive of the object or sample measured. Each curve has been assigned several codes, and a complete index of curve identification numbers by subject code and the location of the curves within this section is provided in section 4.4. Since the Target Signature Subject-Code List contains a large number of specific types of target and background categories, it was necessary in some cases to group the data into somewhat broader categories.

TABLE II. OPTICAL DATA PARAMETERS

DATE	Date of measurement (day, month, and year)
TIME	Time of measurement (24-hour clock)
LAT	Latitude of measurement (field measurement) or of location at which specimen was collected (laboratory measurement)
LONG	Longitude of measurement or of location at which specimen was collected, as with LAT
ALT	Altitude of experimental platform (thousands of feet)
RANGE	Slant range (thousands of feet)
DAYS RE	Number of days sample had been removed from its natural environment
IN*	Incidence angle (degrees from normal)
IAZ*	Azimuth of incident radiation (degrees)
CN**	Collection angle (degrees from normal)
CAZ**	Azimuth of collection angle (degrees)
IRR	Type of target irradiation coded as follows: A Sun B Moon C Skylight (extended source) D Laser E Other artificial point sources
OBST	Obstructions in the air that prevent a clear view of the target, coded as follows: A Smoke B Haze C Dust D Sand E Fog F Drizzle G Rain H Snow I Hail
TTEMP	Temperature of target or measured object (^{o}K)
WIND SP	Average wind speed (mph)
WIND DI	Wind direction
CLD	Total cloud cover coded as follows: A 0 to 0.1 B 0.2 to 0.5 C 0.6 to 0.8 D 0.9 to 1.0
VIS	Visibility (miles)
TEMP	Temperature of environment (^{o}F)
DEW PT	Dew point temperature (^{o}F)
N AVE	Number of curves or measurements averaged to make up this curve

*These angles are defined only if the major portion of radiation incident on the target comes from a point source, e.g., the sun (see fig. 11).

**These angles are defined when the target is observed from one direction (see fig. 11).

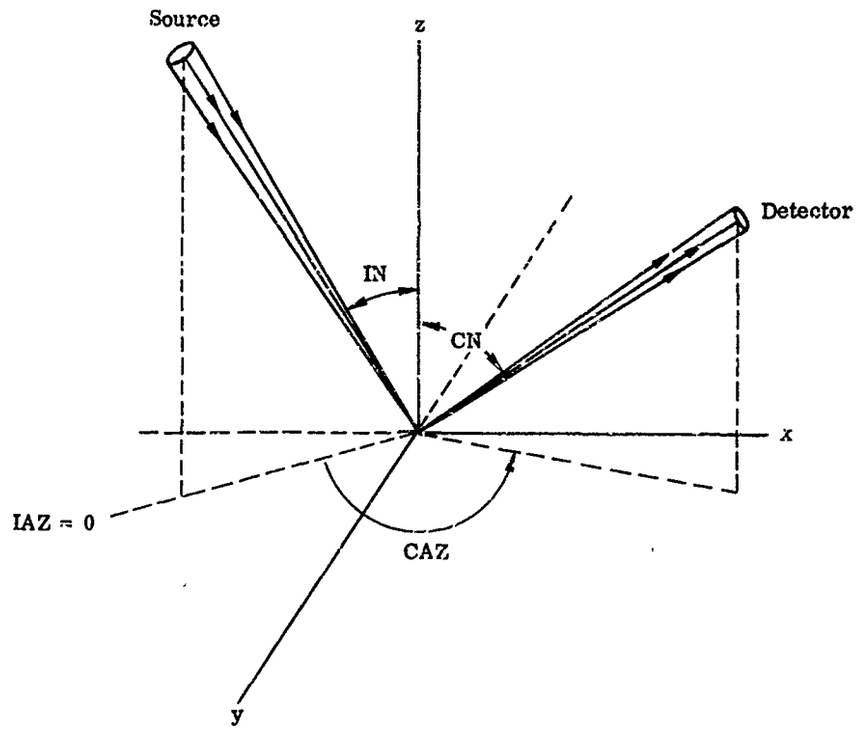


FIGURE 11. GEOMETRY FOR SOME SPECIFIED OPTICAL DATA PARAMETERS

4.2. SUMMARY OF EXPERIMENTS YIELDING OPTICAL DATA

The documents from which the optical data have been extracted are briefly summarized below. These summaries are included to facilitate use of the data presented in section 4.3. Information on the experimental platform, instrumentation, reflectance standards (for relative data) and other related matters has been included, and additional references describing some of the instrumentation in greater detail are cited. As already indicated, the code consisting of the letter B and five digits at the beginning of each entry is the accessions number assigned to the document by the Target Signature Analysis Center. All curves extracted from the document carry this accessions number plus a number from 001 to 999, which is an arbitrary designation assigned to specific curves. The two numbers together constitute a curve's identification number. Bibliographical information on each of the documents summarized here is included in order of accessions numbers in section 7, and the user is referred to the original source if more detailed information is required.

B-00829

Platform: laboratory
Instrument: USAERDL spectrophotometer (original design)

Quantity measured: ρ_λ
Wavelength range: 0.9 to 2.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Comments: This instrument is no longer in operation. Basically, it consisted of a Gaertner monochromator coupled with an integrating sphere.

B-00830

Platform: laboratory
Instrument 1: Beckman DU spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.2 μ
Reflectance attachment: ellipsoidal mirror that collects radiation diffusely reflected from the sample

Reflectance standard: MgO
Additional reference: 9

Instrument 2: USAERDL spectrophotometer (original design)

Quantity measured: ρ_d
Wavelength range: 0.9 to 2.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Comments: This instrument is no longer in operation. Basically, it consisted of a Gaertner monochromator coupled with an integrating sphere.

B-01035

Platform: airborne
Instrument: Perkin-Elmer 108 rapid-scan spectrometer

Quantity measured: a (albedo)
Wavelength range: 0.4 to 3.0 μ

Reflectance standard: Data are absolute.
Comments: These data were obtained by rotating a periscope (installed through a hole in the side of the aircraft) 180° to alternately view the sky radiation and that reflected by the earth.

B-01049

Platform: laboratory
Instrument: Beckman DU spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.1 μ
Reflectance attachment: ellipsoidal mirror that collects radiation diffusely reflected from the sample

Reflectance standard: $MgCO_3$
Additional reference: 9

B-01175

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

Instrument 2: Perkin-Elmer 12-B spectrometer

Quantity measured: ρ_d
Wavelength range: 1.0 to 2.7 μ
Reflectance attachment: Coblentz hemisphere

Reflectance standard: MgO
Additional references: 12, 13
Comments: see section 2.2.3

B-01176

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01337

Platform: ground-based field
Instrument: USAERDL portable spectrophotometer

Quantity measured: ρ'
Wavelength range: 0.25 to 2.5 μ
Reflectance attachment: collecting mirror

Reflectance standard: measured relative to thermoglass and values converted to MgO
Additional reference: 14
Comments: see section 2.2.4

B-01339

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01352

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01353

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01367

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01368

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-01370

Platform: airborne
Instrument: Eastman Kodak spectrogeograph

Quantity measured: α (albedo)
Wavelength range: 0.43 to 0.73 μ

Reflectance standard: Data are absolute.
Comments: The data were obtained by rotating a periscope (installed through a hole in the side of the aircraft) 180° to alternately view the sky radiation and that reflected by the earth. The spectrophotometric curves obtained were derived from densitometer readings of spectrograms.

B-01643

Platform: ground-based field
Instrument: USAERDL portable spectrophotometer

Quantity measured: ρ'
Wavelength range: 0.25 to 2.5 μ
Reflectance attachment: collecting mirror

Reflectance standard: measured relative to thermoglass and values converted to MgO
Additional reference: 14
Comments: see section 2.2.4

B-01761

Platform: laboratory
Instrument: spectrophotometer (original design)

Quantity measured: ρ_d
Wavelength range: 0.43 to 0.70 μ
Reflectance attachment: integrating sphere

Reflectance standard: $MgCO_3$

B-01818

Platform: laboratory
Instrument 1: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 2.5 μ
Reflectance attachment: integrating sphere

Reflectance standard: data obtained relative to $MgCO_3$, but values converted to absolute
Comments: see section 2.2.2

Instrument 2: Perkin-Elmer Model 12 and Model 112 spectrophotometers

Quantity measured: ρ_d
Wavelength range: 2.5 to 15 μ
Reflectance attachment: Coblentz hemisphere

Reflectance standard: Specular samples were measured relative to a rhodium mirror and diffuse samples relative to flowers of sulphur. Data have been converted to absolute values.
Comments: see section 2.2.3

B-01948

Platform: laboratory
Instrument: photometric goniometer (original design)

Quantity measured: ρ', τ' (bidirectional transmittance)
Wavelength range: 0.35 to 0.75 μ

Reflectance standard: bond paper
Comments: Reflectance data were obtained by focusing monochromatic light on the sample at normal incidence, then examining the reflected component at 10° off normal. Bond paper, believed by the experimenter to have scattering properties similar to those of foliage, was measured in the same way, and the ratio of the two quantities is the reported reflectance. Transmittance measurements relative to bond paper were also made.

B-02250

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: For transmittance measurements, the sample was placed at one of the entrance ports of the sphere, and MgO covered both the sample and reference ports. (See sec. 2.2.1.)

B-02418

Platform: laboratory
Instrument: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.28 to 2.6 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Comments: see section 2.2.2

B-03070

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: See section 2.2.1. For transmittance measurements, the sample was placed at one of the entrance ports of the sphere, and MgO covered both the sample and reference ports.

Instrument 2: Cary 14 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.385 to 2.2 μ
Reflectance attachment: integrating sphere (Cary 1411)

Reflectance standard: MgO
Additional reference: 15
Comments: Operation is similar to that of the integrating sphere discussed in section 2.2.2. However, in this experiment the sample was illuminated with white light, and the radiation was spectrally dispersed after reflection. Also, the sample was viewed at 60° off normal.

B-03117

No such descriptive information on these data was available.

B-03231

Platform: laboratory
Instrument: Perkin-Elmer spectrophotometer

Quantity measured: ρ_d
Wavelength range: 1.0 to 15.0 μ
Reflectance attachment: Hohlraum

Reflectance standard: Data are absolute.
Comments: see section 2.2.6

B-03256

Platform: laboratory
Instrument: gonicmeter coupled with a Wadsworth-Littrow spectrometer

Quantity measured: ρ_d
Wavelength range: 0.55 to 2.5 μ
Reflectance attachment: see comments below

Reflectance standard: Data are absolute.
Comments: Measurement of diffuse reflectance was obtained by illuminating the sample with monochromatic light and automatically scanning the detector about the sample. The detector thus recorded the reflectance integrated over 180°. This process was repeated at several discrete wavelengths.

B-03258

Platform: ground-based field and airborne
Instrument: albedometer (original design)

Quantity measured: α (albedo)
Wavelength range: 0.4 to 0.65 μ
Reflectance attachment: integrating sphere

Reflectance standard: unspecified, if any
Additional reference: 16
Comments: No information on whether the data are absolute or relative was available.

B-03303

Platform: laboratory
Instrument 1: Beckman DU spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.235 to 0.70 μ
Reflectance attachment: ellipsoidal mirror that collects radiation diffusely reflected from the sample

Reflectance standard: MgO
Additional reference: 9

Instrument 2: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-03304

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 0.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

Instrument 2: Perkin-Elmer infrared spectrometer

Quantity measured: ρ_d
Wavelength range: 0.7 to 2.6 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 12, 17
Comments: This instrument is similar in operation to the Beckman DK-2 spectrophotometer discussed in section 2.2.2.

B-03305

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.431 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-03333

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured ρ_d
Wavelength range: .4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard:
Additional references: 5, 10, 11
Comments: see section 2.2.1

Instrument 2: Cary 14 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.26 to 2.2 μ
Reflectance attachment: integrating sphere (Cary 1411)

Reflectance standard: MgO
Additional reference: 15
Comments: Operation is similar to that of the integrating sphere discussed in section 2.2.2. However, in this experiment the sample was illuminated with white light, and the radiation was spectrally dispersed after reflection. Also, the sample was viewed at 60° off normal.

Instrument 3: Cary 90 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 2.5 to 15 μ
Reflectance attachment: White hemisphere

Reflectance standard: Data are absolute.
Additional reference: 18
Comments: The White attachment is basically a Coblentz-type hemisphere (see sec. 2.2.3). The sample was hemispherically illuminated with white light, and the reflected radiation was viewed slightly off normal.

B-03355

Platform: laboratory
Instrument: see comments below

Quantity measured: ρ_d, τ
Wavelength range: 0.4 to 15.0 μ
Reflectance attachment: see comments below

Reflectance standard: see comments below
Comments: Several unpublished, miscellaneous curves from various sources are collected here. Curves B-03355-001 through B-03355-006 are transmission data on optical materials, and no descriptive information on the instrumentation for them was available. Curves B-03355-007 through B-03355-009 are the reflectance of water from 1 to 15 μ, for angles of incidence of 0°, 60°, and 80°. Again, no descriptive information on this experiment was available. Curves B-03355-010 through B-03355-037 are reflectance data on foliage species for the visible and near-infrared regions and appear to be standard spectrophotometric curves (ρ_d). Curves B-03355-039 through B-03355-046 are the reflectance (ρ_d) of paints in the 0.4 to 2.6-μ interval and are believed to have been obtained, relative to MgO, on the Beckman DK-2 spectrophotometer (see sec. 2.2.2). Curves B-03355-047 through B-03355-053 were obtained on the Bausch and Lomb spectrophotometer (see discussion under B-04642). Every effort is being made to obtain more information on these data.

B-03374

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 0.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-03463

Platform: laboratory
Instrument 1: Cary 14 spectrophotometer

Quantity measured: ρ'
Wavelength range: 0.4 to 2.5 μ
Reflectance attachment: Cary Model 1413 specular-reflectance attachment

Reflectance standard: aluminum mirror
Comments: Angle of incidence was 8° off normal.

Instrument 2: Beckman IR-7 spectrophotometer

Quantity measured: ρ'
Wavelength range: 2.5 to 15 μ
Reflectance attachment: Cary Model 24425 specular-reflectance attachment

Reflectance standard: aluminum mirror
Comments: Angle of incidence was 30° off normal.

B-03559

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

Instrument 2: Cary 14 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.26 to 2.2 μ
Reflectance attachment: integrating sphere (Cary 1411)

Reflectance standard: MgO
Additional reference: 15
Comments: Operation is similar to that of the integrating sphere discussed in section 2.2.2. However, in this experiment, the sample was illuminated with white light, and the radiation was spectrally dispersed after reflection. Also, the sample was viewed at 60° off normal.

Instrument 3: Cary 90 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 2.5 to 15 μ
Reflectance attachment: White hemisphere

Reflectance standard: Data are absolute.
Additional reference: 18
Comments: The White attachment is basically a Coblentz-type hemisphere (see sec. 2.2.3). The sample was hemispherically illuminated with white light, and the reflected radiation was viewed slightly off normal.

B-03804

Platform: laboratory
Instrument 1: original design using a Perkin-Elmer monochromator

Quantity measured: ρ_d
Wavelength range: 0.3 to 0.4 μ and 0.7 to 2.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: data obtained relative to $MgCO_3$, but values converted to absolute
Comments: The instrument is similar in operation to the Beckman DK-2 spectrophotometer discussed in section 2.2.2, except that it is operated in the single-beam mode. Ratio recording is achieved by the substitution method.

Instrument 2: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 0.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: data obtained relative to $MgCO_3$, but values converted to absolute
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-03959

Platform: laboratory
Instrument 1: Perkin-Elmer 98 monochromator coupled with an integrating sphere (original design)

Quantity measured: ρ_d
Wavelength range: 0.33 to 2.5 μ
Reflectance attachment: integrating sphere

Reflectance standard: Data are absolute.
Additional reference: 19
Comments: This instrument operates in the single-beam mode.

Instrument 2: Perkin-Elmer 98 monochromator with Hohlraum attachment

Quantity measured: ρ_d
Wavelength range: 1.5 to 15 μ
Reflectance attachment: Hohlraum

Reflectance standard: Data are absolute.
Additional references: 20 through 24
Comments: see section 2.2.6

B-03960

Platform: laboratory
Instrument: Perkin-Elmer Model 13 and Model 20 spectrophotometers

Quantity measured: ρ'
Wavelength range: 5 to 15 μ
Reflectance attachment: specular-reflectance attachment

Reflectance standard: not specified

B-03995

Platform: Ground-based field and airborne
Instrument: several spectrographs

Quantity measured: ρ'
Wavelength range: 0.4 to 0.9 μ
Reflectance attachment: none

Reflectance standard: barite paper, gypsum
Comments: see section 2.2.5

B-04424

Platform: laboratory
Instrument: interferometric device

Quantity measured: ρ'
Wavelength range: 0.95 to 2.7 μ

Reflectance standard: flowers of sulphur

B-04616

Platform: laboratory
Instrument: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.5 to 2.5 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO for ρ_d, but values of τ_d are absolute
Comments: For transmittance measurements, the sample was positioned at one of the entrance ports of the integrating sphere, and MgO was placed at both the sample and reference ports (cf. fig. 3). Thus, energy transmitted into a hemisphere was seen by the detector. (See section 2.2.2.)

B-04642

Platform: laboratory
Instrument: Bausch and Lomb 808 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 0.7 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO

B-04802

Platform: laboratory
Instrument: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.08 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO
Additional references: 5, 10, 11
Comments: see section 2.2.1

B-04803

Platform: laboratory
Instrument 1: General Electric spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: ρ_d data obtained relative to MgO, but values converted to absolute; values of τ_d are absolute
Additional references: 5, 10, 11
Comments: For transmittance measurements, the sample was placed at one of the entrance ports of the integrating sphere, and MgO covered both the sample and reference ports. (See section 2.2.1.)

Instrument 2: Perkin-Elmer infrared spectrometer

Quantity measured: ρ_d, τ_d
Wavelength range: 1.0 to 2.7 μ
Reflectance attachment: Coblentz hemisphere

Reflectance standard: ρ_d data obtained relative to MgO, but converted to absolute; values of τ_d are absolute
Additional references: 12, 13
Comments: see section 2.2.3

B-04804

Platform: laboratory
Instrument 1: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.5 to 2.5 μ
Reflectance attachment: integrating sphere

Reflectance standard: unspecified
Comments: see section 2.2.2

Instrument 2: Cary 90 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 2.5 to 6.0 μ
Reflectance attachment: White hemisphere

Reflectance standard: Data are absolute.
Additional reference: 18
Comments: The White attachment is basically a Coblentz type hemisphere (see sec. 2.2.3). The sample was hemispherically illuminated with white light, and the reflected radiation was viewed slightly off normal.

B-04805

Platform: laboratory
Instrument 1: Beckman DU spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.22 to 0.4 μ
Reflectance attachment: ellipsoidal mirror that collects radiation diffusely reflected from the sample

Reflectance standard: ρ_d data obtained relative to MgO, but values converted to absolute; values of τ_d are absolute
Additional reference: 9

Instrument 2: General Electric spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: ρ_d data obtained relative to MgO, but values converted to absolute; values of τ_d are absolute
Additional references: 5, 10, 11
Comments: For transmittance measurements, the sample was placed at one of the entrance ports of the integrating sphere, and MgO covered both the sample and reference ports. (See section 2.2.1.)

Instrument 3: Perkin-Elmer infrared spectrometer

Quantity measured: ρ_d, τ_d
Wavelength range: 1.0 to 2.7 μ
Reflectance attachment: Coblentz hemisphere

Reflectance standard: ρ_d data obtained relative to MgO, but converted to absolute; values of τ_d are absolute
Additional references: 12, 13
Comments: see section 2.2.3

B-04806

Platform: laboratory
Instrument 1: Beckman DU spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.22 to 0.4 μ
Reflectance attachment: ellipsoidal mirror that collects radiation diffusely reflected from the sample

Reflectance standard: ρ_d data obtained relative to MgO, but values converted to absolute; values of τ_d are absolute
Additional reference: 9

Instrument 2: General Electric spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: ρ_d data obtained relative to MgO, but values converted to absolute; values of τ_d are absolute
Additional references: 5, 10, 11
Comments: For transmittance measurements, the sample was placed at one of the entrance ports of the integrating sphere, and MgO covered both the sample and reference ports. (See section 2.2.1.)

Instrument 3: Perkin-Elmer infrared spectrometer

Quantity measured: ρ_d, τ_d
Wavelength range: 1.0 to 2.7 μ
Reflectance attachment: Coblentz hemisphere

Reflectance standard: ρ_d data obtained relative to MgO, but converted to absolute; values of τ_d are absolute
Additional references: 12, 13
Comments: see section 2.2.3

B-04979

Platform: laboratory
Instrument 1: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.25 to 2.5 μ
Reflectance attachment: integrating sphere

Reflectance standard: data obtained relative to MgO, but values converted to absolute
Comments: see section 2.2.2

Instrument 2: General Electric spectrophotometer

Quantity measured: ρ_d
Wavelength range: 0.4 to 1.0 μ
Reflectance attachment: integrating sphere

Reflectance standard: data obtained relative to $MgCO_3$, but values converted to absolute
Additional references: 5, 10, 11
Comments: see section 2.2.1

Instrument 3: Perkin-Elmer spectrophotometer

Quantity measured: ρ_d
Wavelength range: 1.25 to 15 μ
Reflectance attachment: Hohlraum

Reflectance standard: Data are absolute.
Comments: see section 2.2.6

B-13522

Platform: laboratory
Instrument: Beckman IR-3 spectrophotometer

Quantity measured: ρ_d
Wavelength range: 1.8 to 13 μ
Reflectance attachment: Hohlraum

Reflectance standard: Data are absolute.
Comments: see section 2.2.6

B-20000

Platform: laboratory
Instrument: Beckman DK-2 spectrophotometer

Quantity measured: ρ_d, τ_d
Wavelength range: 0.28 to 2.6 μ
Reflectance attachment: integrating sphere

Reflectance standard: MgO for ρ_d, but values of τ_d are absolute
Comments: For transmittance measurements, the sample was positioned at one of the entrance ports of the integrating sphere, and MgO was placed at both the sample and reference ports (cf. fig. 3). Thus, energy transmitted into a hemisphere was seen by the detector. (See section 2.2.2.)

803303-007 SKIN OF FOREARM OF A FAIR-COMPLEXIONED YOUNG WHITE MALE.

SUBJECT CODES
AAK CEA CEC CFA CFCC DK ECAC ECAD ECB ECCA

PARAMETER INFORMATION
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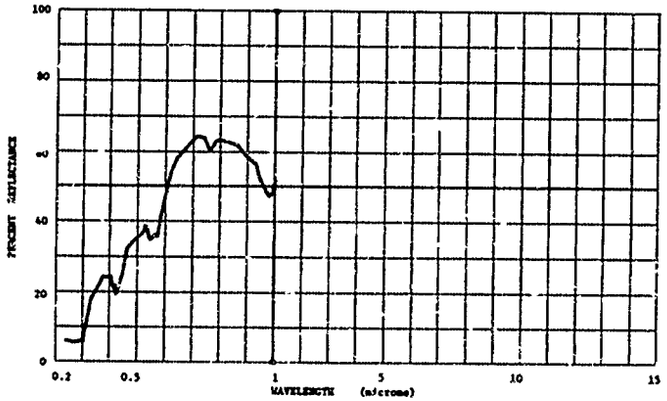

803303-008 SKIN OF FOREARM OF A FAIR-COMPLEXIONED YOUNG WHITE MALE (SKIN SLIGHTLY DARKER THAN 803303007).

SUBJECT CODES
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PARAMETER INFORMATION
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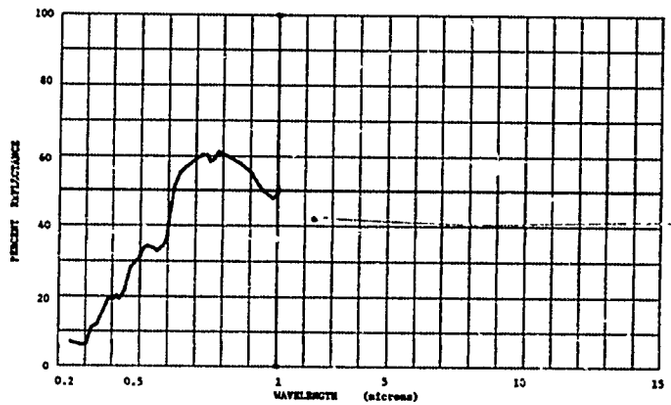

803304-001 SKIN, CAUCASIAN MALE, YOUNG, VERY FAIR COMPLEXION, FOREARM.

SUBJECT CODES
AAK CE CEC CFA CFCE CK ECCA ECCB

PARAMETER INFORMATION
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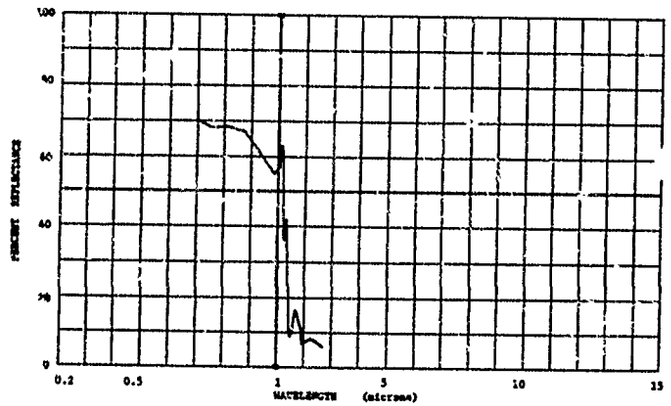

803304-002 SKIN, CAUCASIAN MALE, YOUNG, VERY DARK COMPLEXION, FOREARM.

SUBJECT CODES
AAK CE CEC CFA CFCE CK ECCA ECCB

PARAMETER INFORMATION
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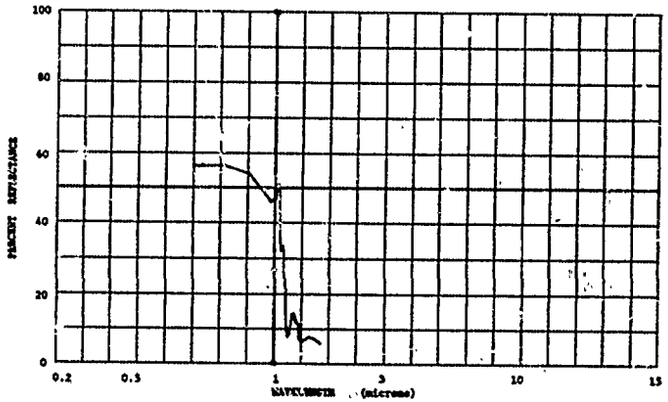

803304-003 SKIN, JAPANESE DESCENT, YOUNG MALE.

SUBJECT CODES
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PARAMETER INFORMATION
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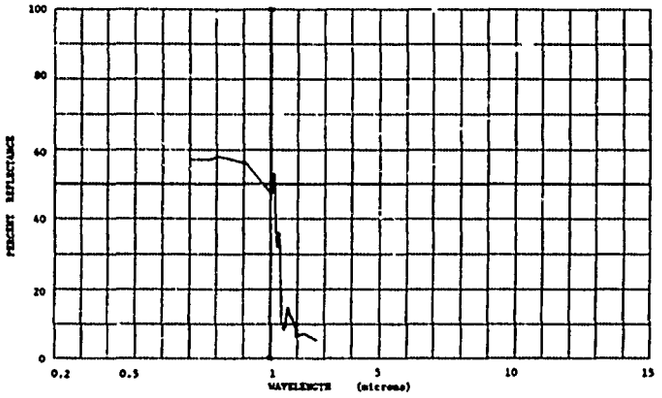

803304-004 SKIN, JAPANESE DESCENT, YOUNG MALE.

SUBJECT CODES
AAK CC CEC EFA CPCE DK ECCA ECCB

PARAMETER INFORMATION
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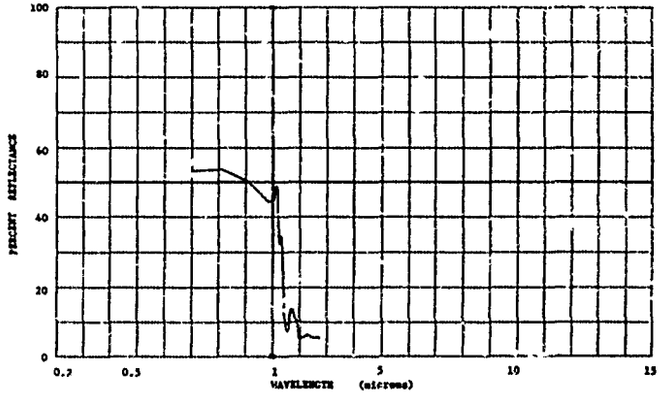

803304-005 SKIN, AMERICAN NEGRO, VERY LIGHTLY PIGMENTED, FOREARM.

SUBJECT CODES
AAK CC CEC EFA CPCE DK ECCA ECCB

PARAMETER INFORMATION
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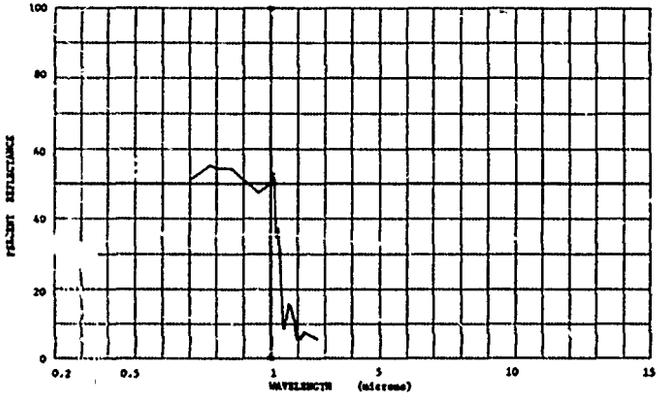

803304-006 SKIN, AMERICAN NEGRO, VERY DARK, FOREARM.

SUBJECT CODES
AAK CC CEC EFA CPCE DK ECCA ECCB

PARAMETER INFORMATION
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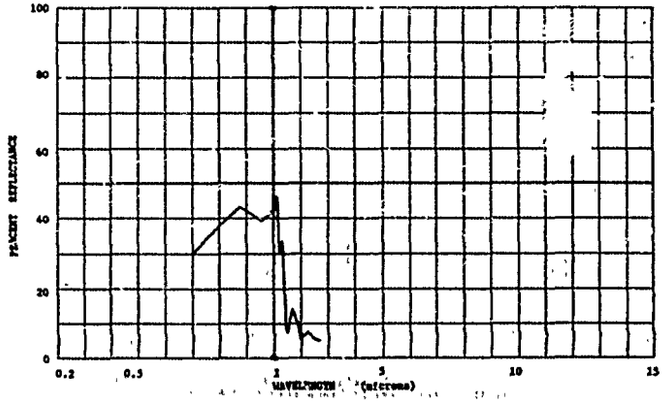

AAK 3

803304-007 SKIN, CAUCASIAN, VERY FAIR COMPLEXION.

SUBJECT CODES
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PARAMETER INFORMATION
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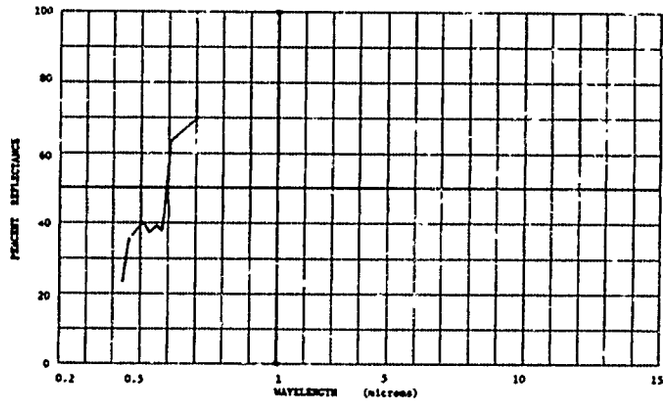

803304-008 SKIN, AMERICAN NEGRO, VERY DARK.

SUBJECT CODES
AAK CCB CEC CFA CFCE DK ECB

PARAMETER INFORMATION
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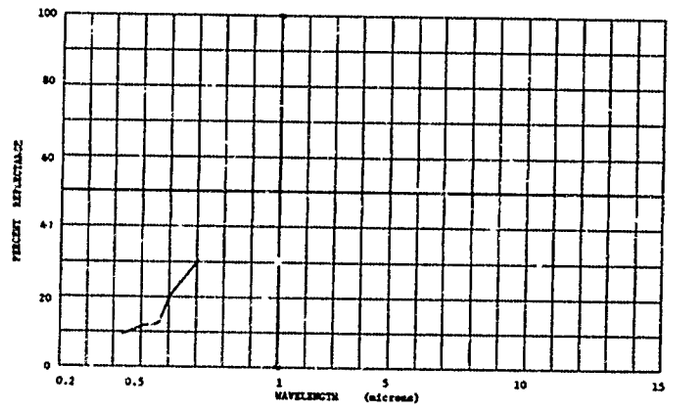
TEPP= DEW PT= N AVE= 1



803304-009 SKIN, CAUCASIAN, VERY FAIR COMPLEXION.

SUBJECT CODES
AAK CC CEC CFA CFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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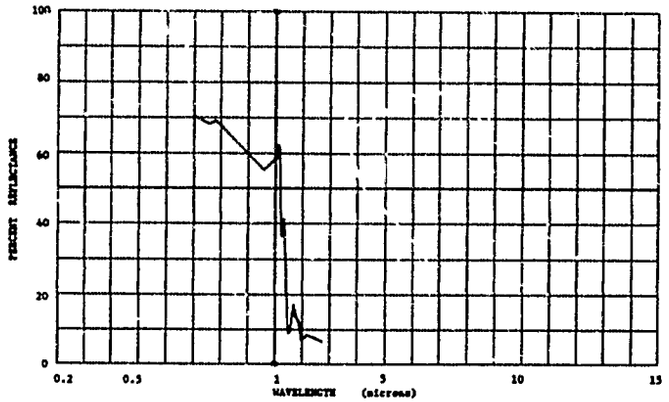
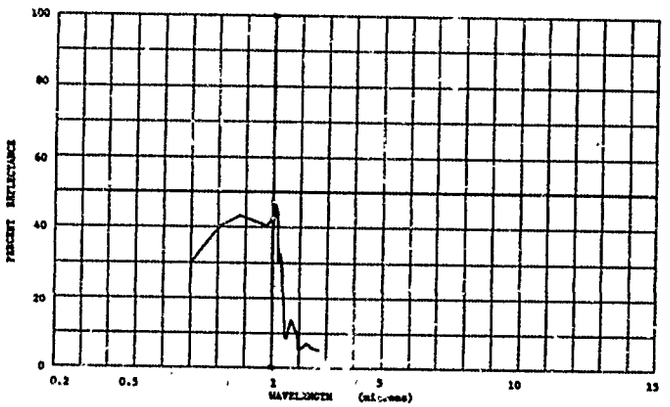


803304-010 SKIN, AMERICAN NEGRO, VERY DARK.

SUBJECT CODES
AAK CC CEC CFA CFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR=
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

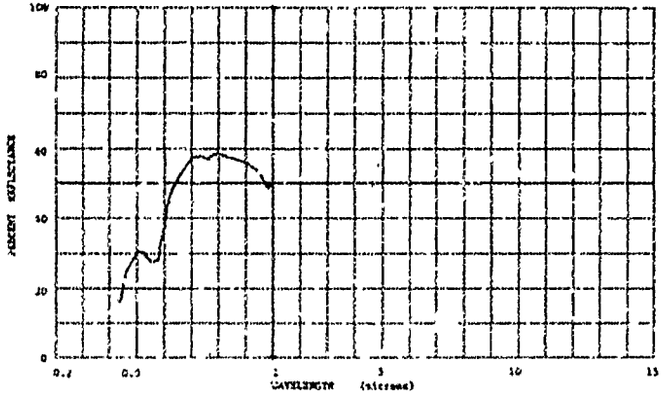


AAK 4

8C3305-001 SKIN, CAUCASIAN MALE, TANNED AREA, INSIDE RIGHT FOREARM.

SUBJECT CODES
AAK CEB CEC DFAA CFCE DK ECB ECCA

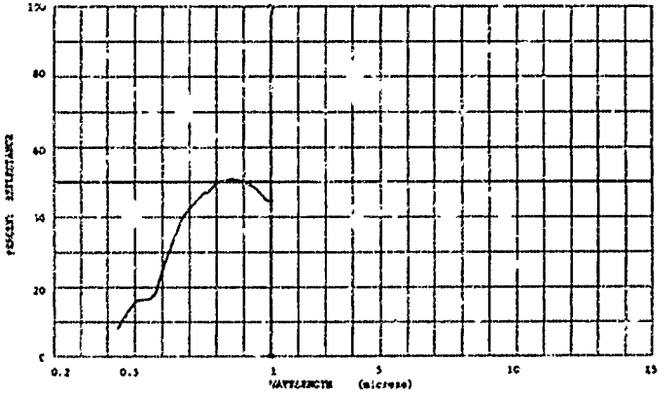
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LCHG= ALT= RANGE=
CANS RE= 0 INH= 6.0 IAZ= CM= CAZ= IRR= E
LBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



8C3305-002 SKIN, CAUCASIAN MALE, MOST TANNED AREA, OUTSIDE LEFT FOREARM.

SUBJECT CODES
AAK CEB CEC DFAA CFCE DK ECB ECCA

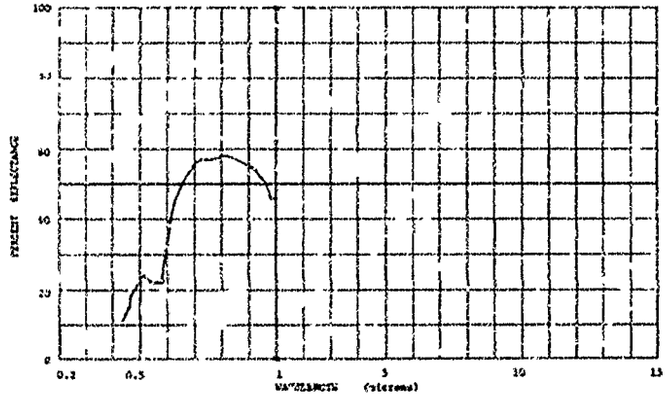
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LCHG= ALT= RANGE=
CANS RE= 0 INH= 6.0 IAZ= CM= CAZ= IRR= E
LBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



8C3305-003 SKIN, CAUCASIAN MALE, MEDIUM TANNED AREA, FOREHEAD OVER LEFT EYE.

SUBJECT CODES
AAK CEB CEC DFAA CFCE DK ECB ECCA

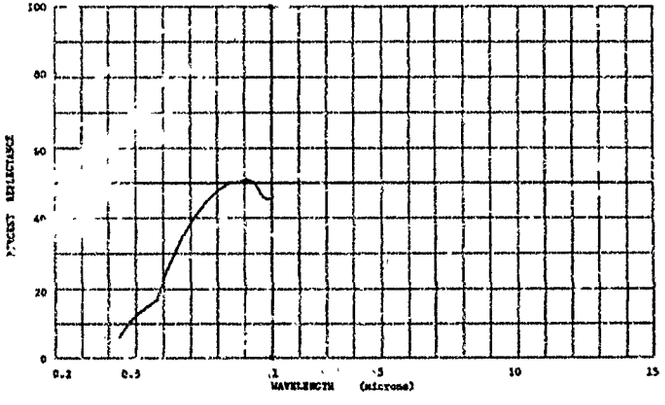
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LCHG= ALT= RANGE=
CANS RE= 0 INH= 6.0 IAZ= CM= CAZ= IRR= E
LBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



8C3305-004 SKIN, NEGRO MALE, ANTARCTIC AREA, INSIDE RIGHT FOREARM.

SUBJECT CODES
AAK CEB CEC DFAA CFCE DK LCH ECCA

PARAMETER INFORMATION
CATE= 52 TIME= LAT= LCHG= ALT= RANGE=
CANS RE= 0 INH= 6.0 IAZ= CM= CAZ= IRR= E
LBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1

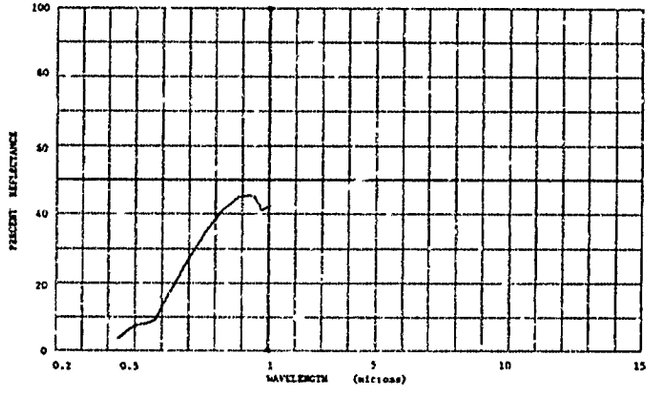


AAK 6

803305-005 SKIN, NEGRO MALE, MOST TANNED AREA, OUTSIDE LEFT FOREARM.

SUBJECT CODES
AAK CCB CEC DFAA CFCE DK ECB ECCA

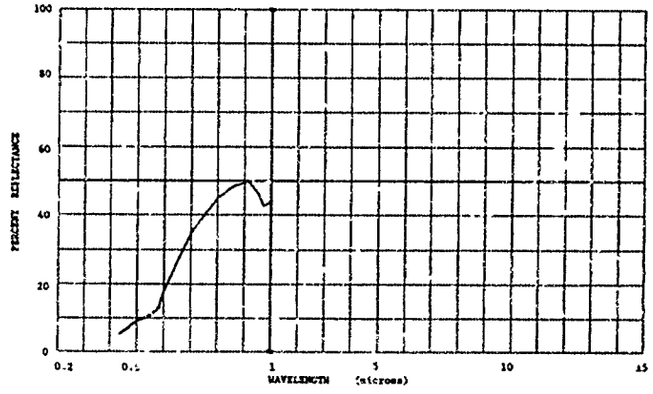
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803305-006 SKIN, NEGRO MALE, MEDIUM TANNED AREA, FOREHEAD OVER LEFT EYE.

SUBJECT CODES
AAK CCB CEC DFAA CFCE DK ECB ECCA

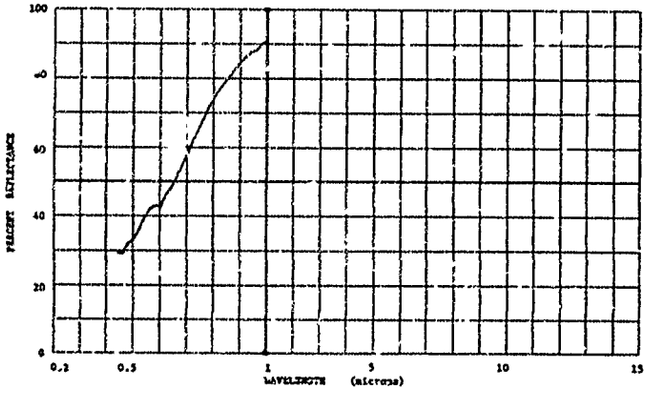
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803305-007 SKIN, NEGROES, UNTANNED AREA.

SUBJECT CODES
AAK CCB CEC DFAA CFCE DK ECB ECCA

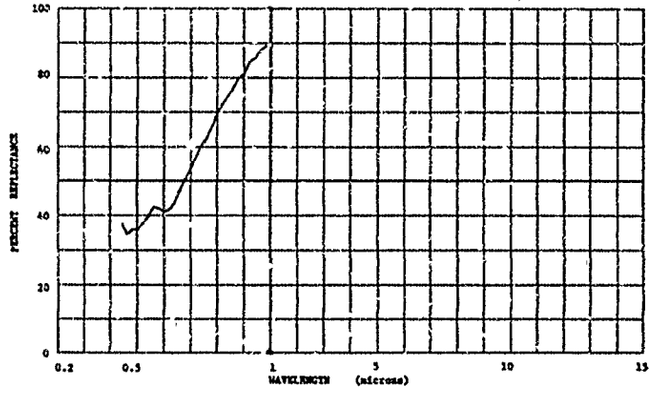
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE=42



803305-008 SKIN, NEGROES, MOST TANNED AREA.

SUBJECT CODES
AAK CCB CEC DFAA CFCE DK ECB ECCA

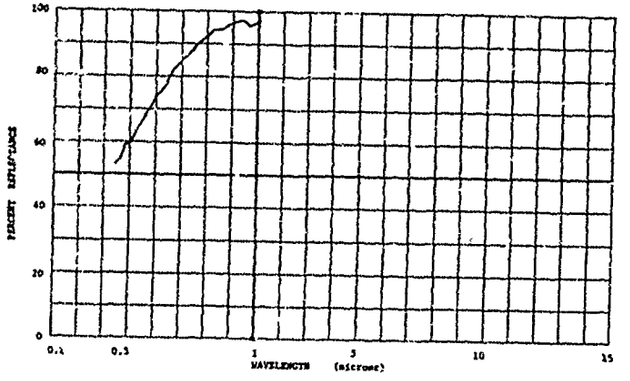
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE=42



BC3303-009 SKIN, CAUCASIANS.

SUBJECT CODES
AAK CEB CEC CFAA CFCE DK ECB ECCA

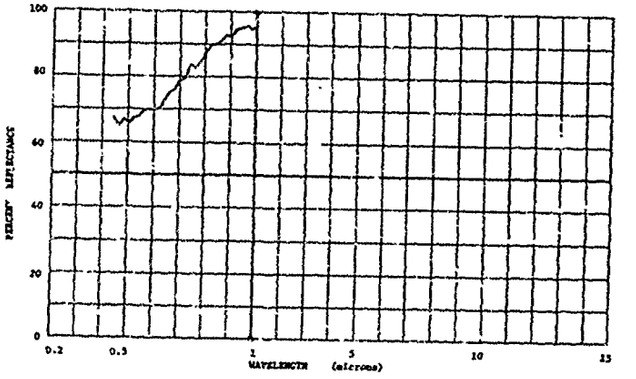
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 TAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAC DI= CLC= VIS=
TEPP= DEW PT= N AVE=71



BC3303-010 SKIN, NEGROES.

SUBJECT CODES
AAK CEB CEC CFAA CFCE DK ECB ECCA

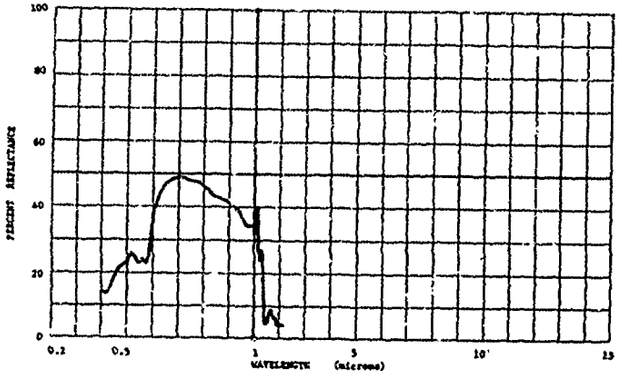
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 TAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAC DI= CLC= VIS=
TEPP= DEW PT= N AVE=42



BC3333-002 HUMAN SKIN.

SUBJECT CODES
AAK CE CEC CFA CFCE DK ECAC ECAC ECB ECCA
ECCB

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= TAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAC DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



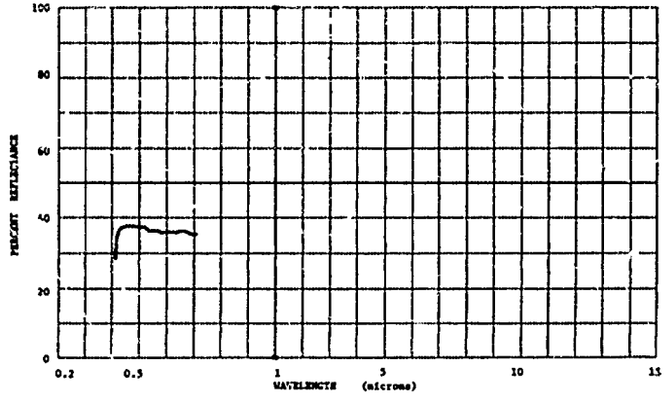
AAK 1

804642-013 VINYL IMPREGNATED NYLON FABRIC (MIL-C-20696), SILVER.

SUBJECT CODES
AAKA ECBBK CO CEO OFAA DK ECB AEC

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

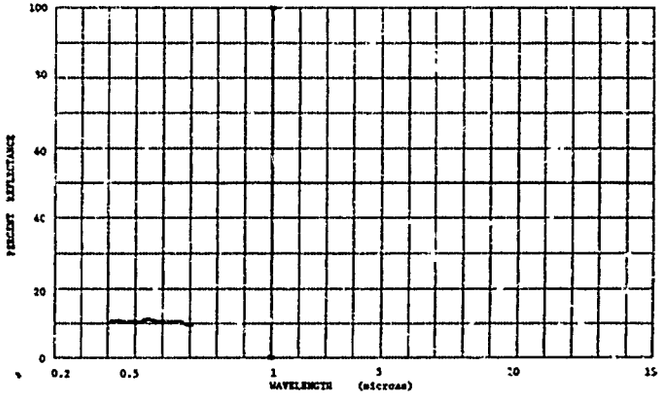


804642-014 VINYL IMPREGNATED NYLON FABRIC (MIL-C-20696), OLIVE DRAB.

SUBJECT CODES
AAXA ECBBI AEO CO CEO OFAA DK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= 0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

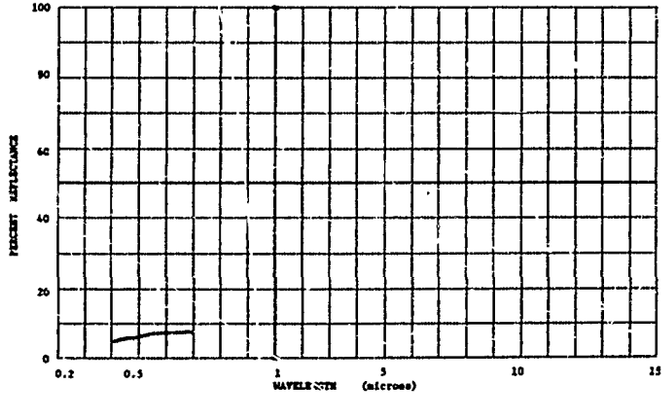


804642-015 OLIVE DRAB COTTON DUCK CLOTH (CCC-C-419) TREATED FOR OUTDOOR

SUBJECT CODES
AAKA ECBBI CO CEO OFAA DK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

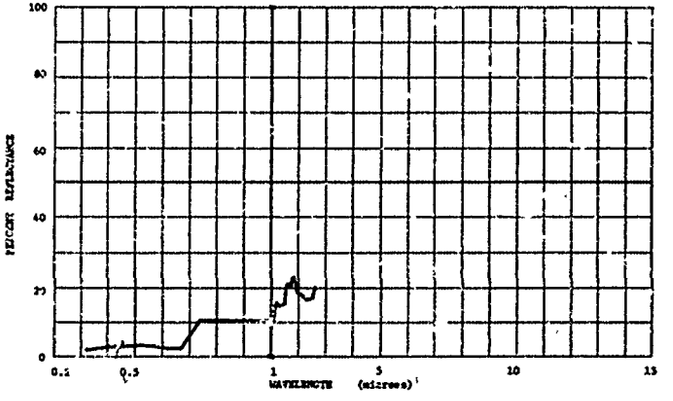
TEMP= DEW PT N AVE= 1



804805-044 CLOTH, WOOL, TROPICAL WORSTED, BLACK.

SUBJECT CODES
AAKA ECBBI CO CEC CFA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

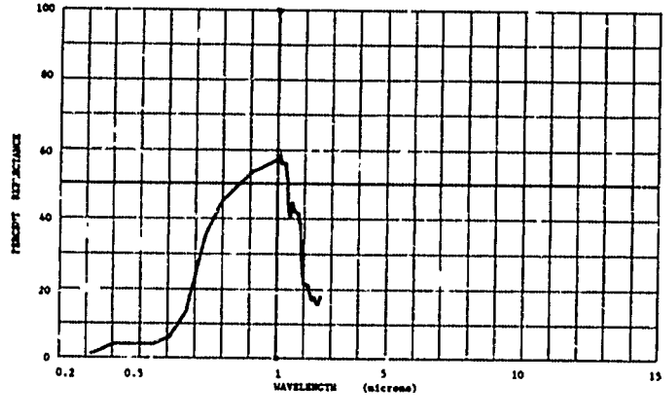


AAXA 8

8048CS-045 CLOTH, WOOL, TROPICAL WORSTED, TAUPE.

SUBJECT CODES
PARA ECERC CO CEC CFA DK ECAD ECB ECCA ECCB

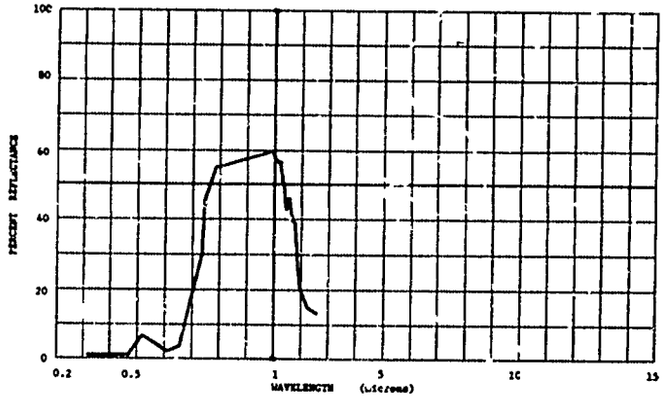
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048CS-046 CLOTH, WOOL, TROPICAL WORSTED, GREEN.

SUBJECT CODES
PARA ECBBB CO CEC CFA DK ECAD ECB ECCA ECCB

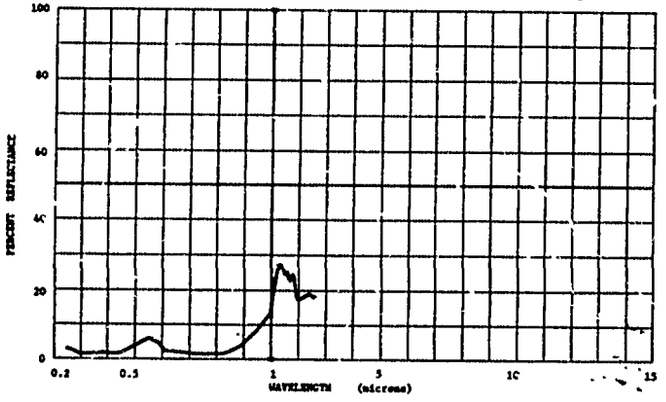
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048CS-047 CLOTH, WOOL, TROPICAL WORSTED, GREEN.

SUBJECT CODES
PARA ECBBB CO CEC CFA DK ECAD ECB ECCA ECCB

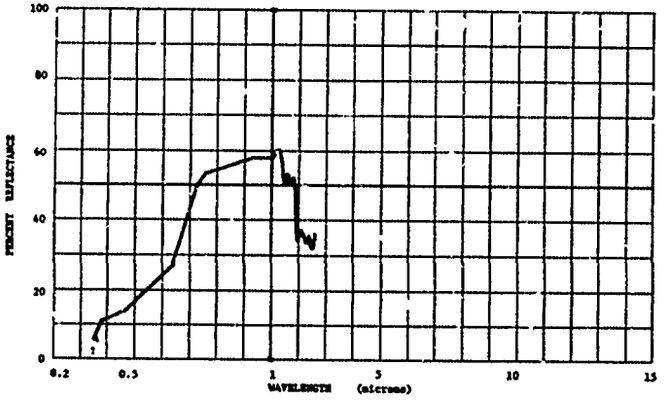
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048CS-048 CLOTH, WOOL, TROPICAL WORSTED, KHAKI.

SUBJECT CODES
PARA ECBBB CO CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



AMXA 1

804805-049 CLOTH, WOOL, TROPICAL WORSTED, BLACK.

SUBJECT CODES
AAKA ECBBL CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TEPP= WIND SP= WIND DI= CLO= VIS=
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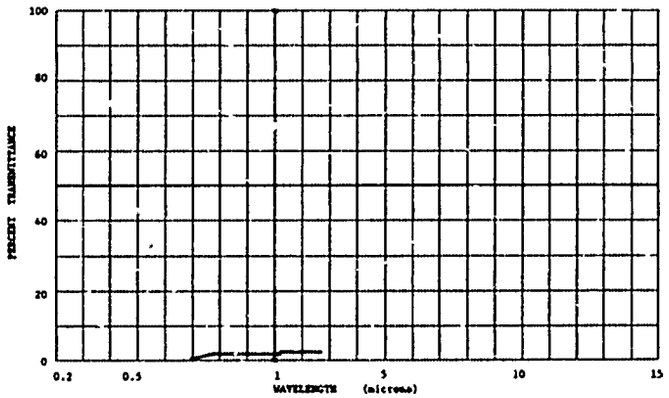

804805-050 CLOTH, WOOL, TROPICAL WORSTED, TAUPE.

SUBJECT CODES
AAKA ECBBC CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TEPP= WIND SP= WIND DI= CLO= VIS=
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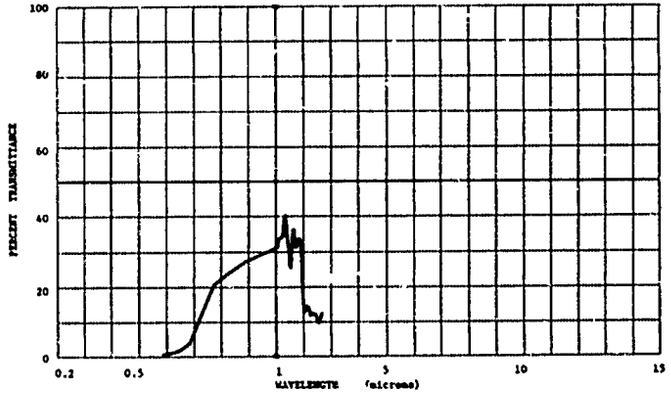

804805-051 CLOTH, WOOL, TROPICAL WORSTED, GREEN.

SUBJECT CODES
AAKA ECBBD CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TEPP= WIND SP= WIND DI= CLO= VIS=
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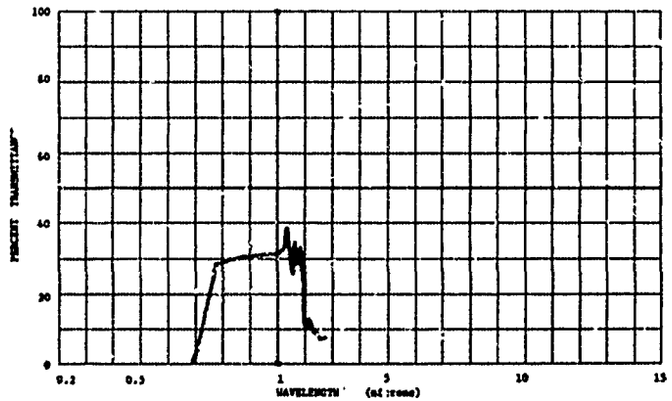

804805-052 CLOTH, WOOL, TROPICAL WORSTED, GREEN.

SUBJECT CODES
AAKA ECBBE CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TEPP= WIND SP= WIND DI= CLO= VIS=
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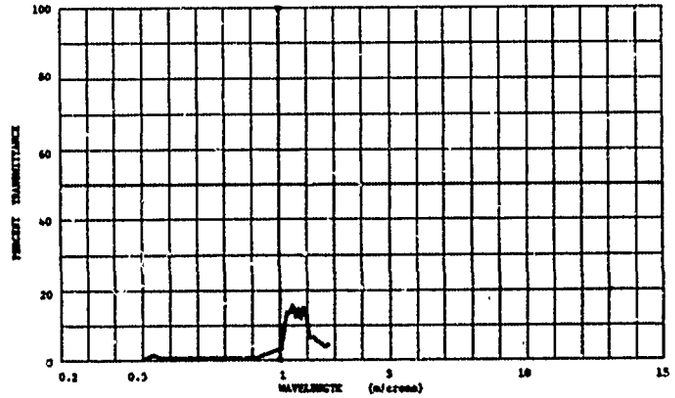

AAKA 8

804005-053 CLOTH, WOOL, TROPICAL WORSTED, KHAKI.

SUBJECT CODES
AAKA ECE% CD CEC CIA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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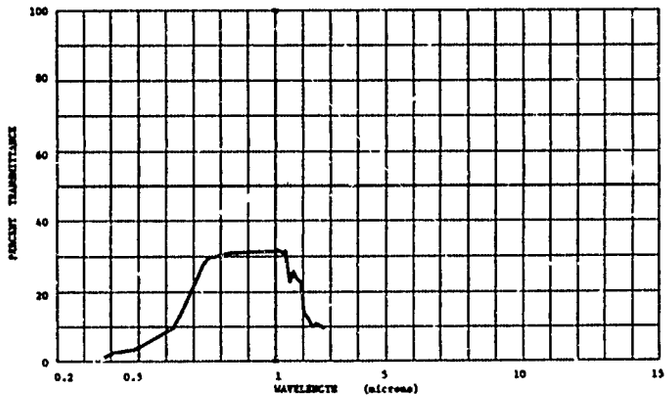
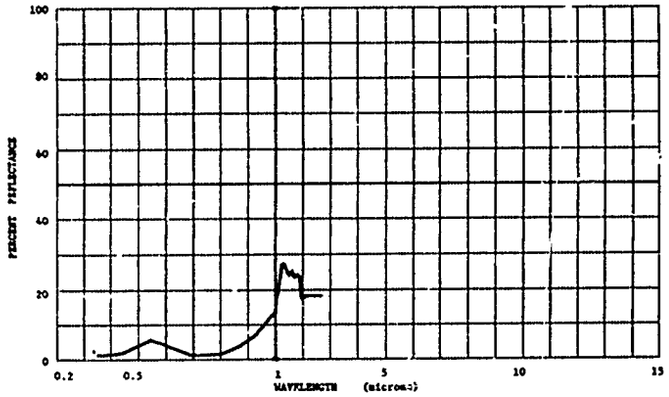


804005-054 CLOTH, WOOL, TROPICAL WEIGHT, BRIGHT GREEN.

SUBJECT CODES
AAKA ECBBB CD CEC CFA DK ECAD ECB ECCA ECCB

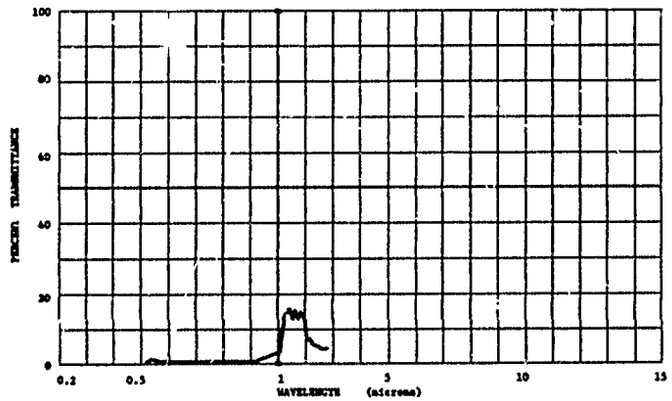
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804005-055 CLOTH, WOOL, TROPICAL WEIGHT, BRIGHT GREEN.

SUBJECT CODES
AAKA ECBBB CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804005-056 CLOTH, WOOL, TROPICAL WEIGHT, BRIGHT GREEN, BROMPOLY TRIALLYPHOSPHATE, 36 PERCENT PICKUP.

SUBJECT CODES
AAKA ECBBB CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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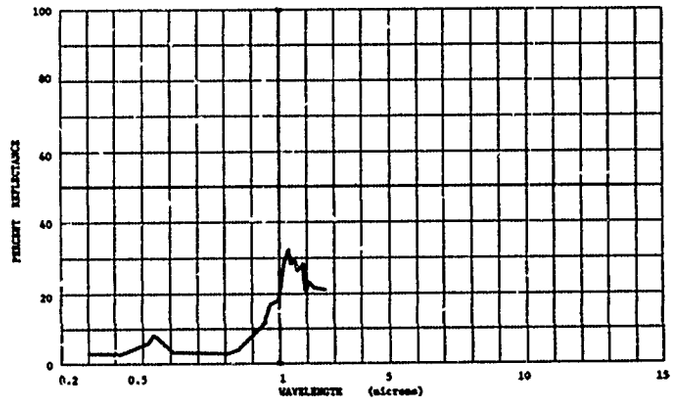
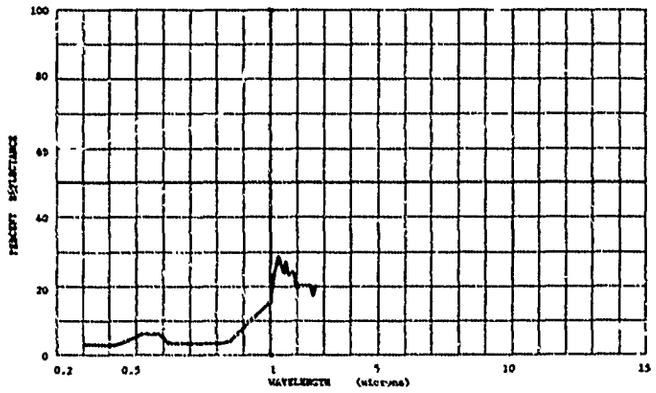


AAKA

804805-057 CLOTH, WOOL, TROPICAL WEIGHT, BRIGHT GREEN, BROMPOLY TRIALLYPHOSPHATE, 38 PERCENT PICKUP.

SUBJECT CODES
AAKA ECB0B CO CEC CPA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-058 CLOTH, WOOL, TROPICAL WEIGHT, BRIGHT GREEN, BROMPOLY TRIALLYPHOSPHATE, 38 PERCENT PICKUP.

SUBJECT CODES
AAKA ECB0B CO CEC CIA CK ECAD FCB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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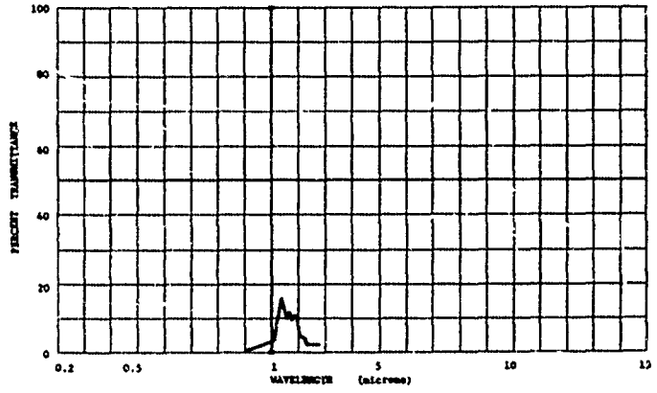

804805-059 CLOTH, WOOL, GABARDINE, TYPE I, GRAY-167 SPEC MIL-C-6403.

SUBJECT CODES
AAKA ECB0B CO CEC CPA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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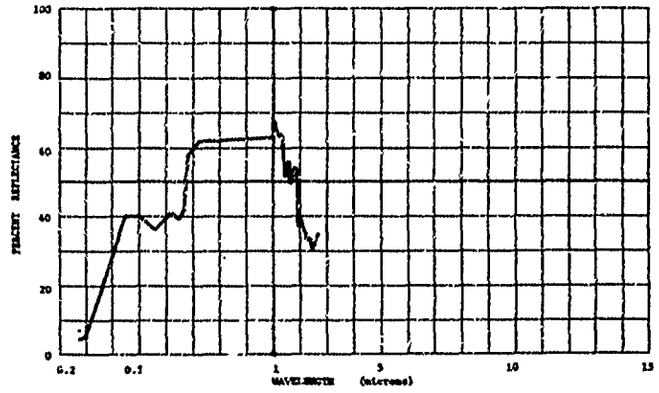

804805-060 CLOTH, WOOL, GABARDINE, TYPE I, GRAY-167 SPEC MIL-C-6403.

SUBJECT CODES
AAKA ECB0B CO CEC CIA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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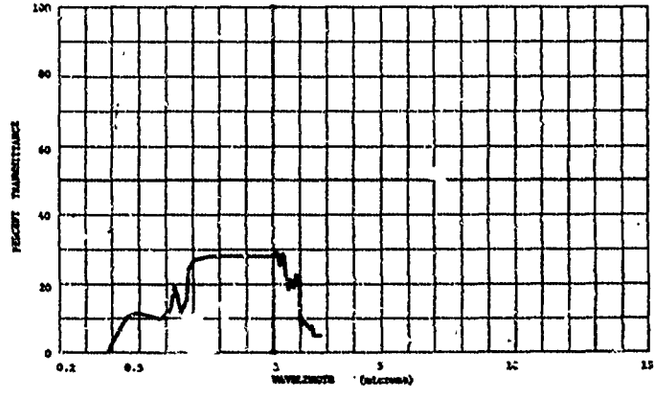
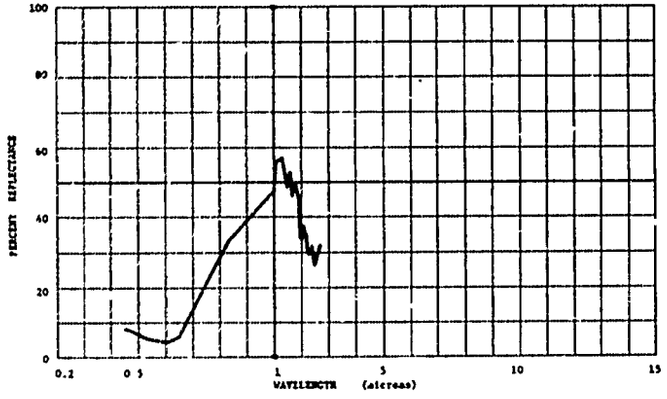


AAKA 10 VIEW

804805-061 CLOTH, WOOL, GABARDINE, TYPE 22, BLUE 84 SPEC MIL-C-6403.

SUBJECT CODES
AAKA ECBBA CD CEC CFA DK ECAD ECB ECCA ECCB

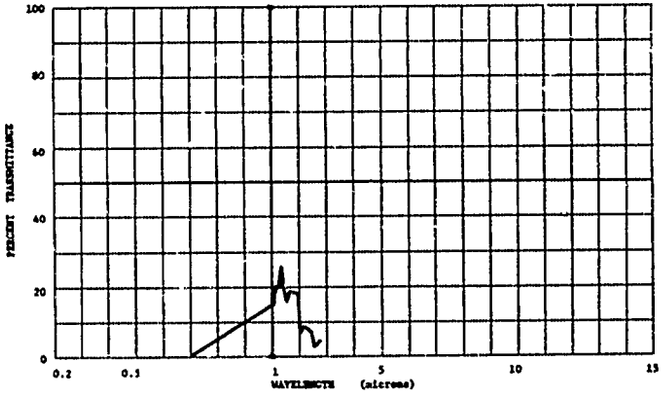
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



804805-062 CLOTH, WOOL, GABARDINE, TYPE 22, BLUE 84 SPEC MIL-C-6403.

SUBJECT CODES
AAKA ECBBA CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= C
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



804805-063 CLOTH, WOOL, SERGE, GREEN, 16-16 1/2 OZ.

SUBJECT CODES
AAKA ECBBB CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
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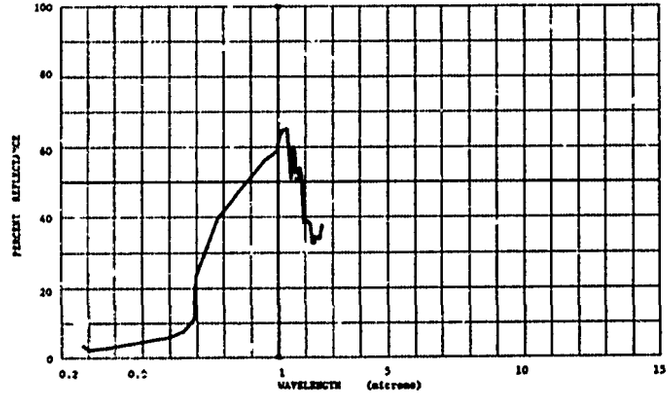

804805-064 CLOTH, WOOL, SERGE, GREEN, 16-16 1/2 OZ.

SUBJECT CODES
AAKA ECBBB CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
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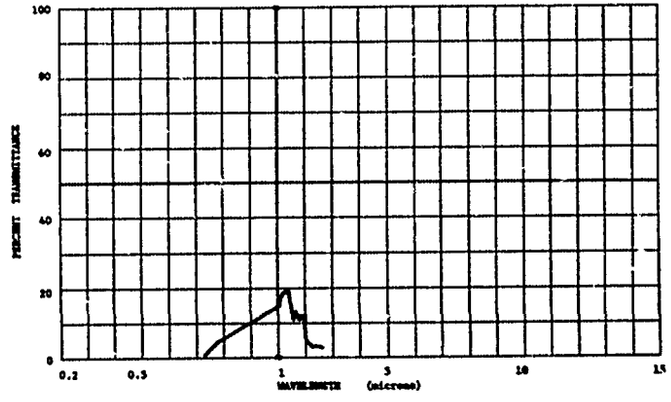
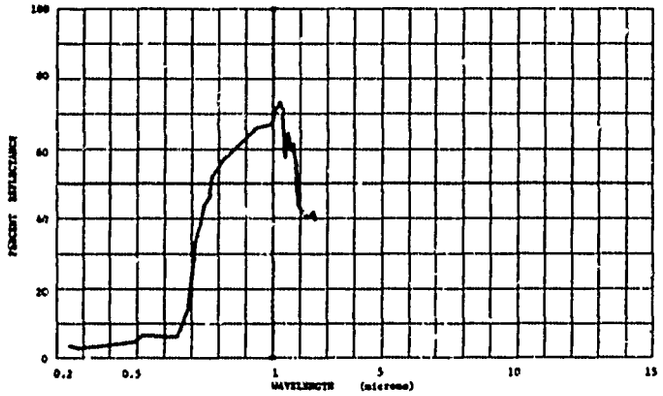


004005-065 CLOTH, WOOL, KERSEY, GREEN, 16-17 OZ.

SUBJECT CODES
AAKA ECBBB CO CEC CPA OK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



004005-066 CLOTH, WOOL, KERSEY, GREEN, 16-17 OZ.

SUBJECT CODES
AAKA ECBBB CO CEC CIA OK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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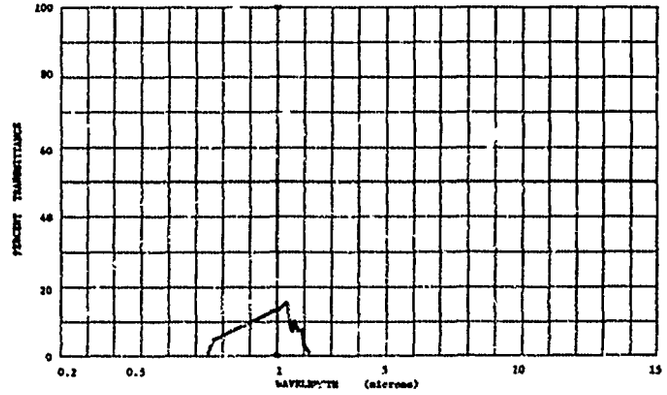

004005-067 CLOTH, WOOL, ELASTIQUE, GREEN, 16 OZ.

SUBJECT CODES
AAKA ECBBB CO CEC CPA OK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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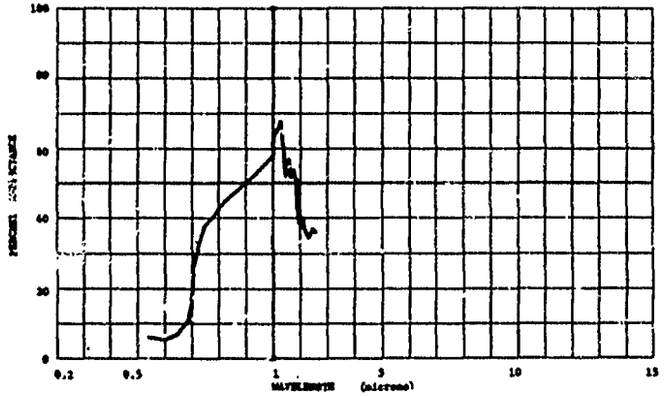

004005-068 CLOTH, WOOL, ELASTIQUE, GREEN, 16 OZ.

SUBJECT CODES
AAKA ECBBB CO CEC CIA OK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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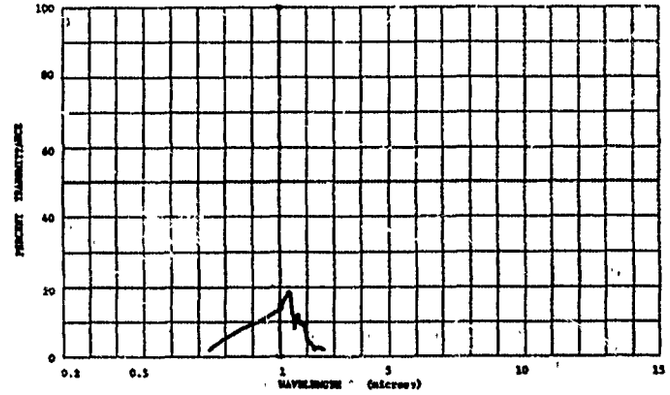

804085-069 CLOTH, WOOL, MELTON, DARK NAVY BLUE, 16 OZ.

SUBJECT CODES
AAKA ECBBA CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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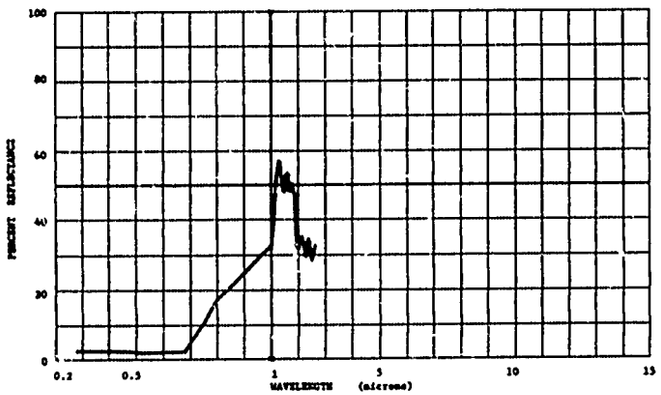

804085-070 CLOTH, WOOL, MELTON, DARK NAVY BLUE, 16 OZ.

SUBJECT CODES
AAKA ECBBA CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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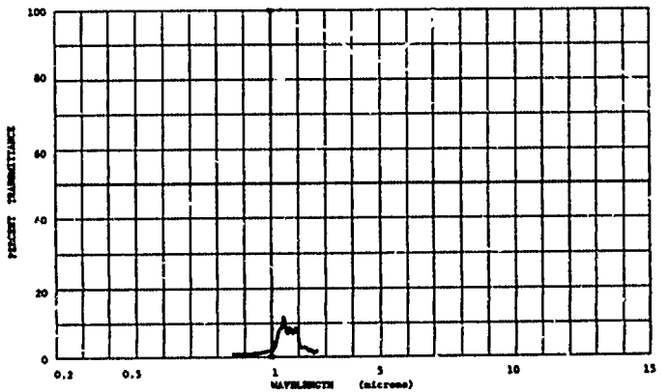

804085-071 CLOTH, WOOL, KERSEY, NAVY BLUE, 30 OZ.

SUBJECT CODES
AAKA ECBBA CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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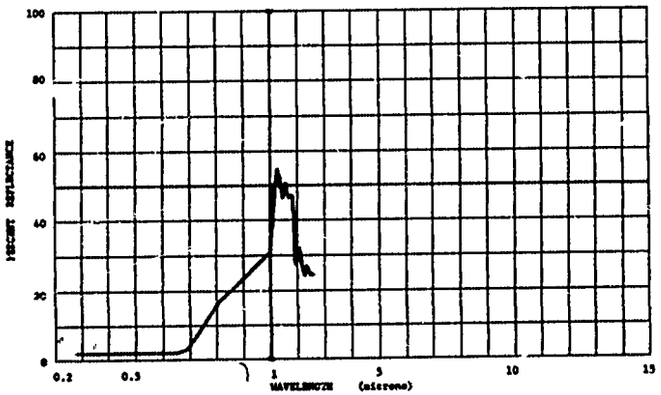

804085-072 CLOTH, WOOL, KERSEY, NAVY BLUE, 30 OZ.

SUBJECT CODES
AAKA ECBBA CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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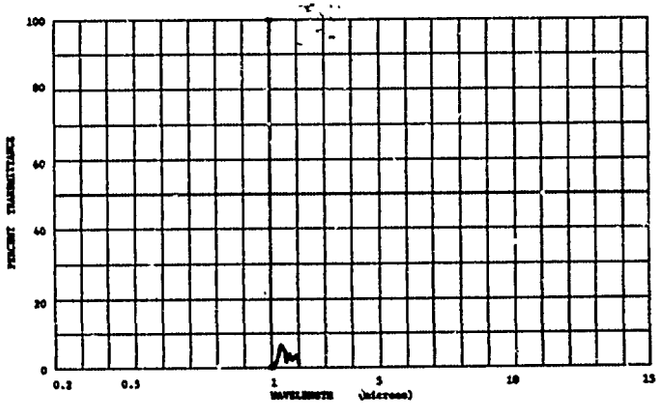

804805-073 CLOTH, WOOL, FLANNEL, NAVY BLUE, 11 OZ.

SUBJECT CODES
AAKA ECBBA CC CIC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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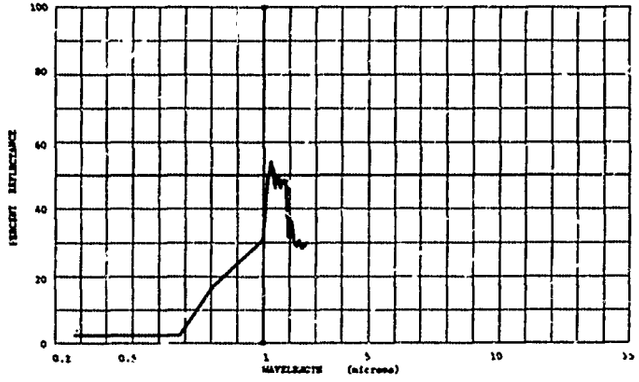

804805-074 CLOTH, WOOL, FLANNEL, NAVY BLUE, 11 OZ.

SUBJECT CODES
AAKA ECBBA CC CIC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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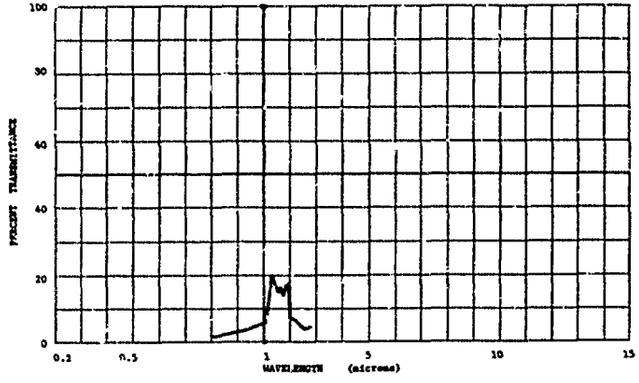

804805-076 CLOTH, COTTON, TWILL, WHITE, 4.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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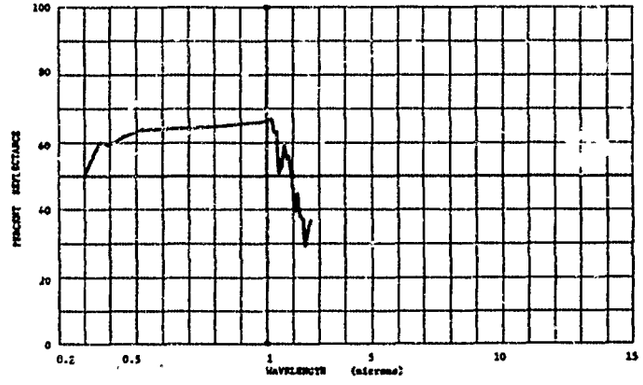

804805-077 CLOTH, COTTON, TWILL, WHITE, 4.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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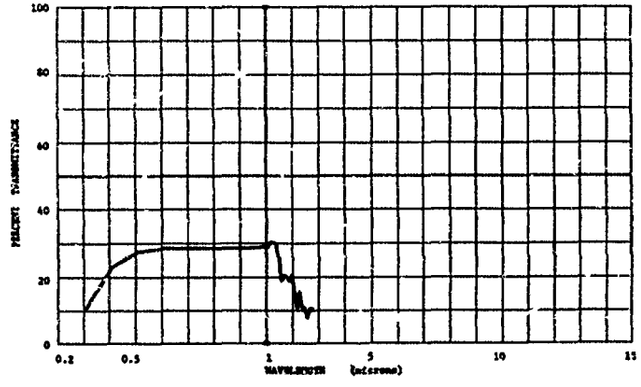
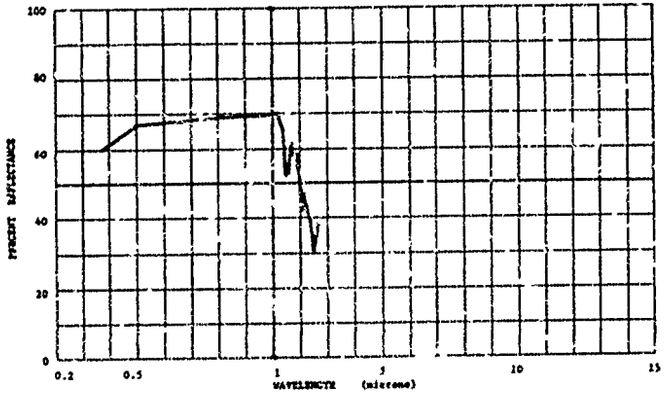


AAKA 14

804803-078 CLOTH, COTTON, TWILL, WHITE, 5.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CD CEC CPA DK ECAD ECB ECCA ECCB

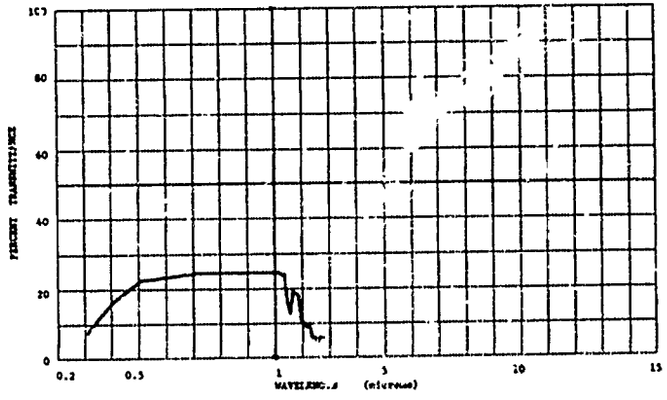
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804803-079 CLOTH, COTTON, TWILL, WHITE, 5.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CD CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804803-080 CLOTH, COTTON, TWILL, WHITE, 6.4 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CD CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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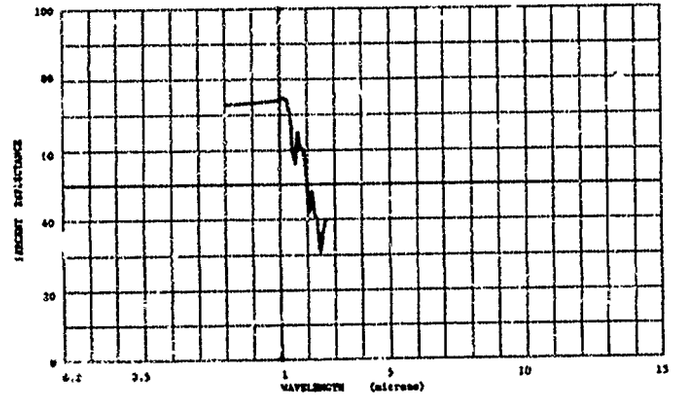

804803-081 CLOTH, COTTON, TWILL, WHITE, 6.4 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBJ CD CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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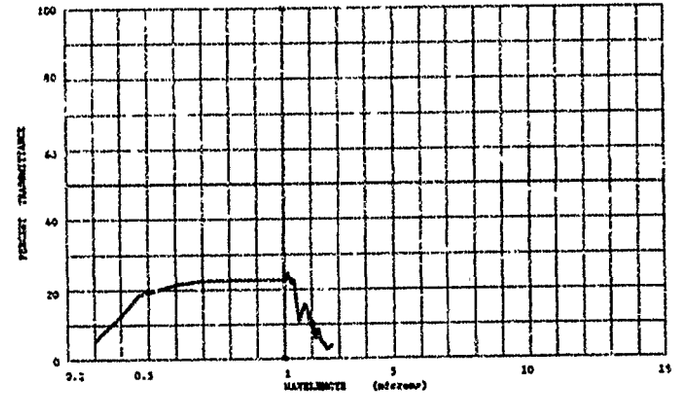
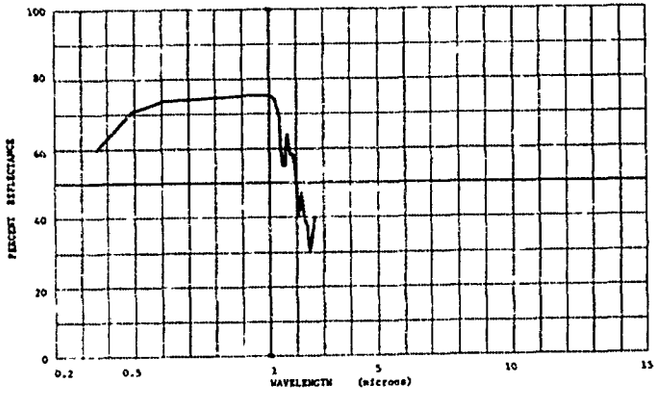


AAKA 15

8048C5-082 CLOTH, COTTON, TWILL, WHITE, 7.7 OZ./SQ. YD.

SUBJECT CODES
AAKA EC80J CO CEC CFA OK ECAD ECB ECCA CCC0

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C5-083 CLOTH, COTTON, TWILL, WHITE, 7.7 OZ./SQ. YD.

SUBJECT CODES
AAKA EC80J CO CEC CIA OK ECAD ECB ECCA ECC0

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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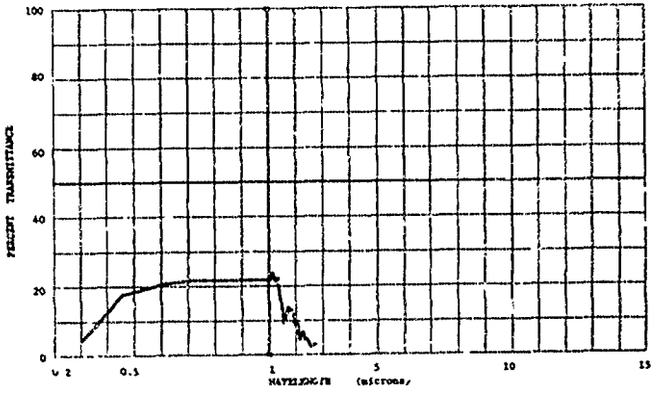
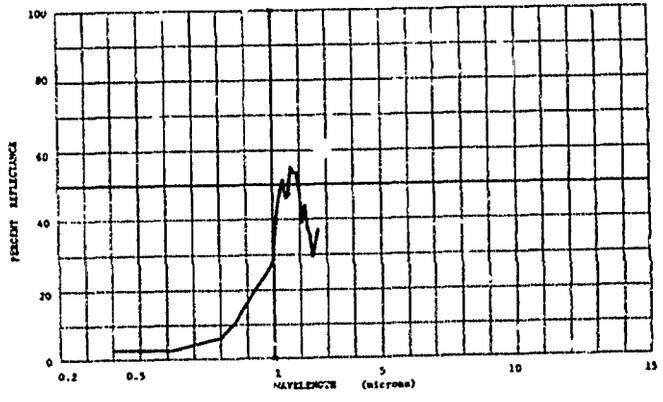


8048C5-084 CLOTH, COTTON, TWILL, BLACK, 5.2 OZ./SQ. YD.

SUBJECT CODES
AAKA EC80L CO CEC CFA OK ECAD ECB ECCA ECC0

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C5-085 CLOTH, COTTON, TWILL, BLACK, 5.2 OZ./SQ. YD.

SUBJECT CODES
AAKA EC80L CO CEC CIA OK ECAD ECB ECCA ECC0

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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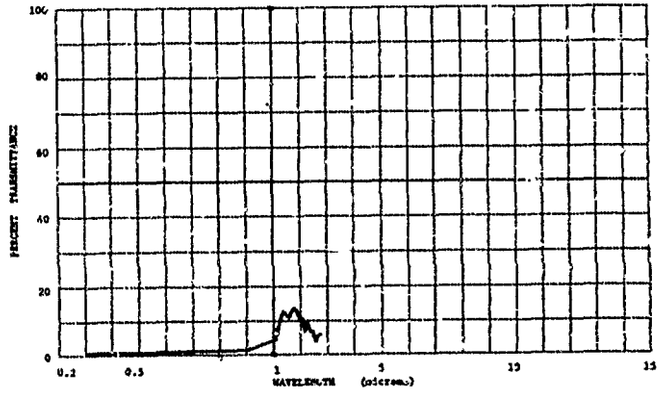

AAKA 18

804805-086 CLOTH, COTTON, TWILL, BLACK, 5.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CD CEC EFA DK ECAD ECB ECCA ECCH

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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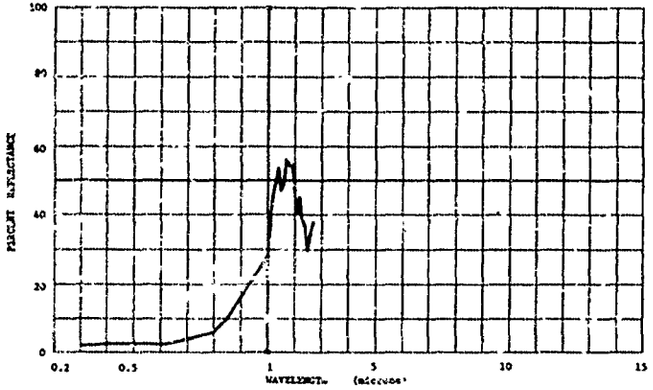
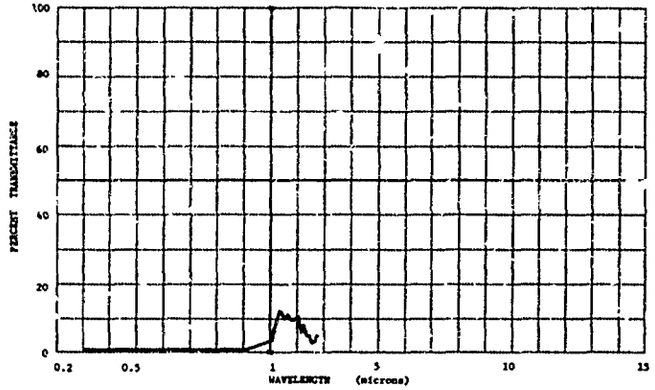


804805-087 CLOTH, COTTON, TWILL, BLACK, 5.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



804805-088 CLOTH, COTTON, TWILL, BLACK, 6.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CD CEC EFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIND DI= CLE= VIS=
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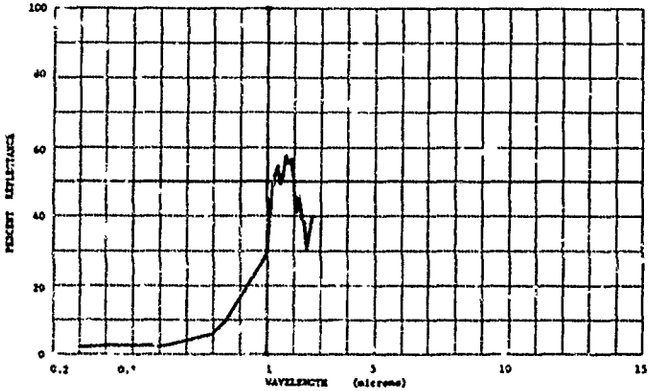

804805-089 CLOTH, COTTON, TWILL, BLACK, 6.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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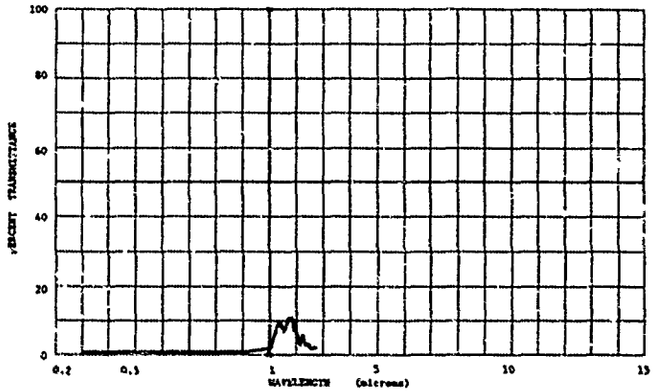
TEPP= DEW PT= N AVE= 1

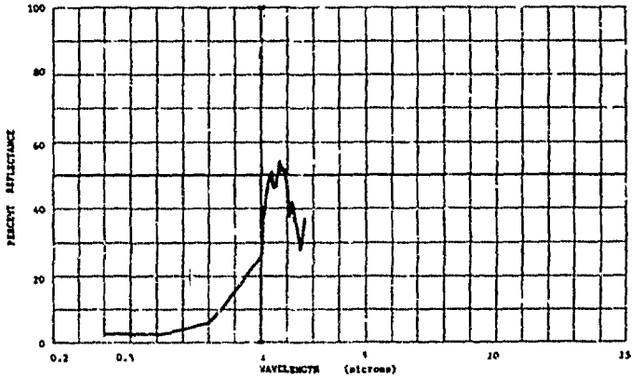


AAKA 17

804805-090 CLOTH, COTTON, TWILL, BLACK, 7.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CO CEC CFA DK FCAD ECB ECCA ECCB

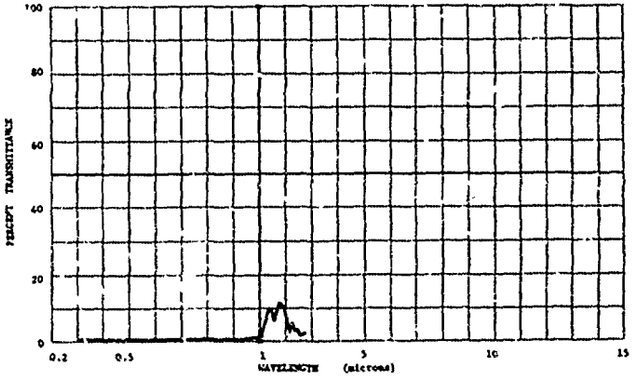
PARAMETER INFORMATION
CATE= SA TYPE= LAT= LCAG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-091 CLOTH, COTTON, TWILL, BLACK, 7.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBL CO CEC CFA DK FCAD ECB ECCA ECCB

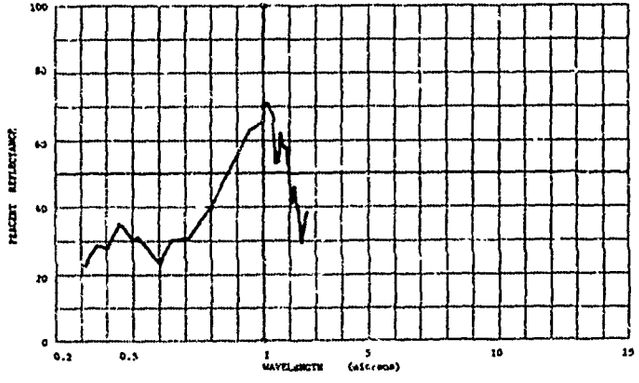
PARAMETER INFORMATION
CATE= SA TYPE= LAT= LCAG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-092 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.0 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CO CEC CFA DK FCAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= SA TYPE= LAT= LCAG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-093 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.0 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CO CEC CFA DK FCAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= SA TYPE= LAT= LCAG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
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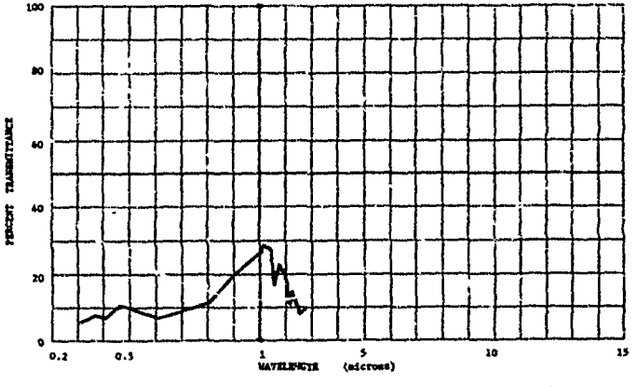
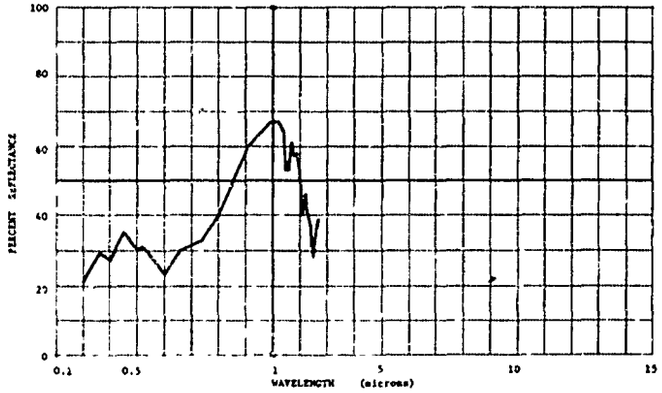


804805-094 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CFA DK ECAD ECB ECCA ECCB

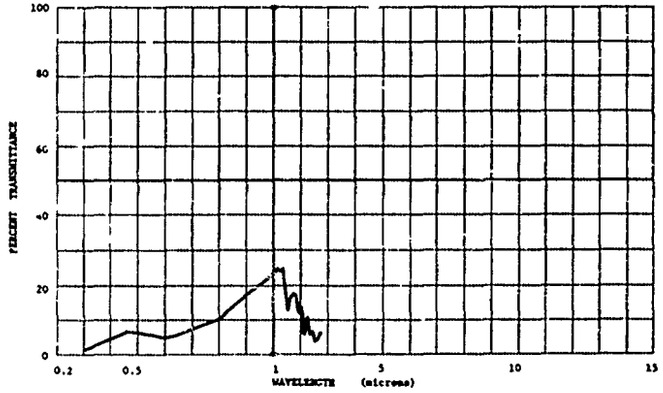
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804805-095 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CIA DK ECAD ECB ECCA ECCB

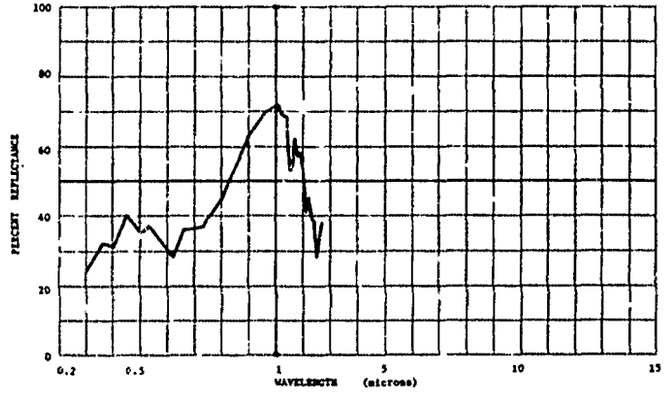
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804805-096 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804805-097 CLOTH, COTTON, TWILL, LIGHT GRAY, 5.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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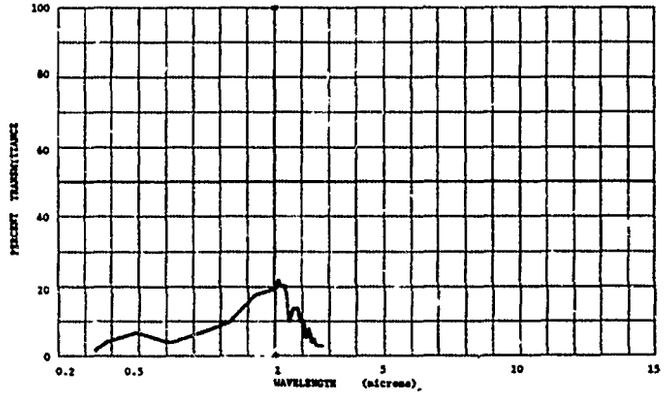
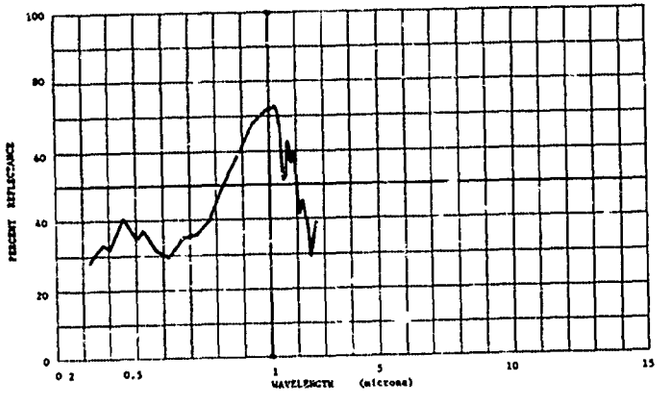


AAKA 19

804805-098 CLOTH, COTTON, TWILL, LIGHT GRAY, 7.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CPA DK ECAD ECB ECCA ECCB

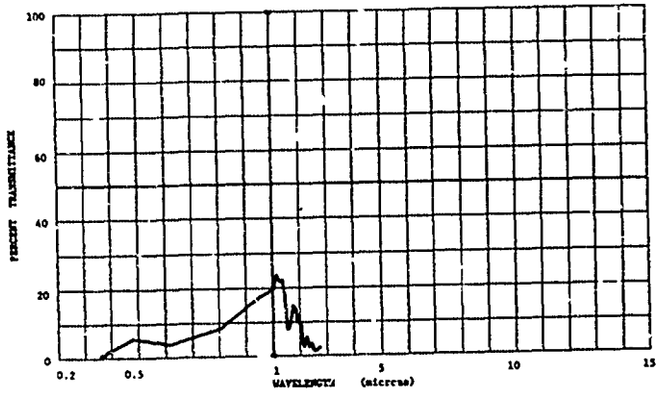
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804805-099 CLOTH, COTTON, TWILL, LIGHT GRAY, 7.7 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CIA DK ECAD ECB ECCA ECCB

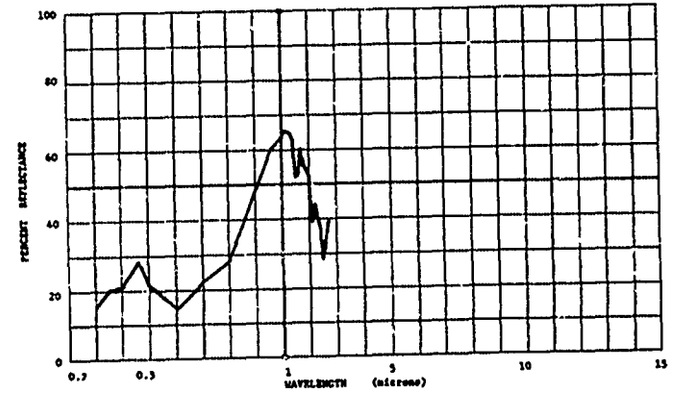
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804805-100 CLOTH, COTTON, TWILL, DARK GRAY, 5.0 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804805-101 CLOTH, COTTON, TWILL, DARK GRAY, 5.0 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
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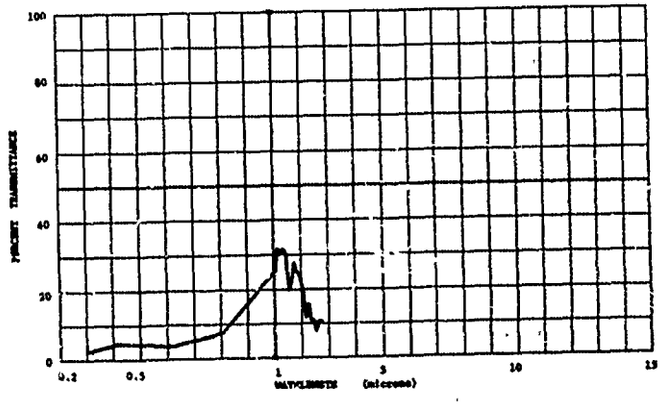
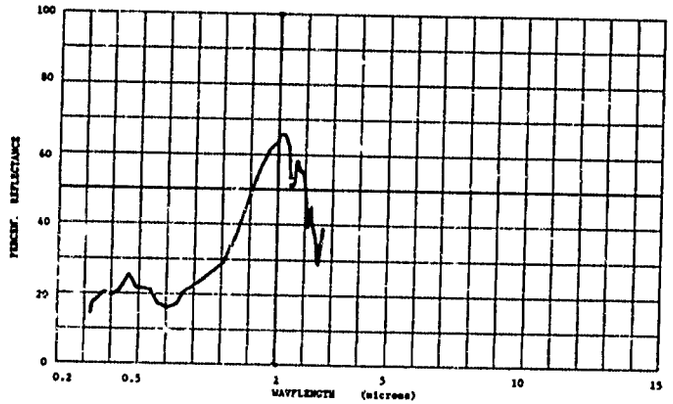


AMRL 20

804805-102 CLOTH, COTTON, TWILL, DARK GRAY, 9.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-103 CLOTH, COTTON, TWILL, DARK GRAY, 9.9 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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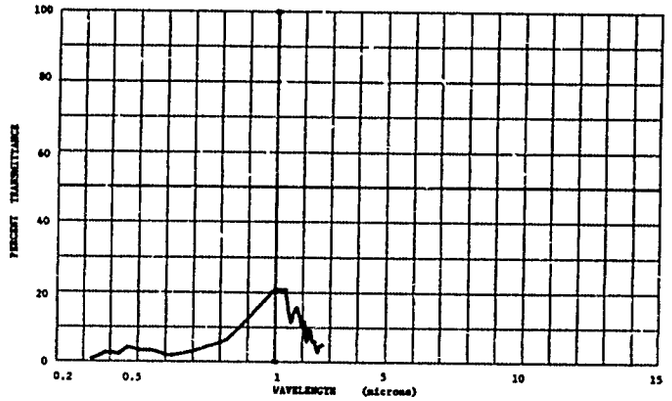

804805-104 CLOTH, COTTON, TWILL, DARK GRAY, 6.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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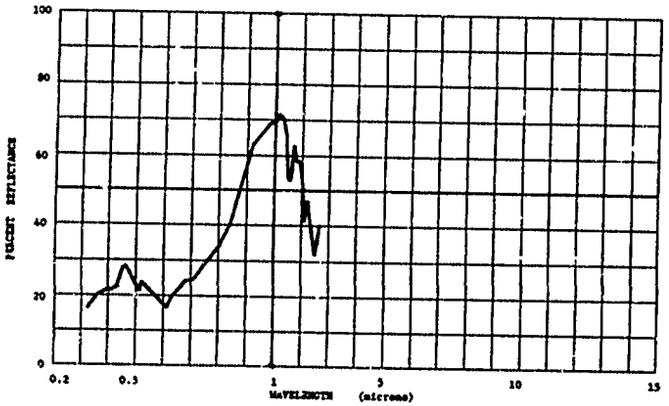

804805-105 CLOTH, COTTON, TWILL, DARK GRAY, 6.8 OZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
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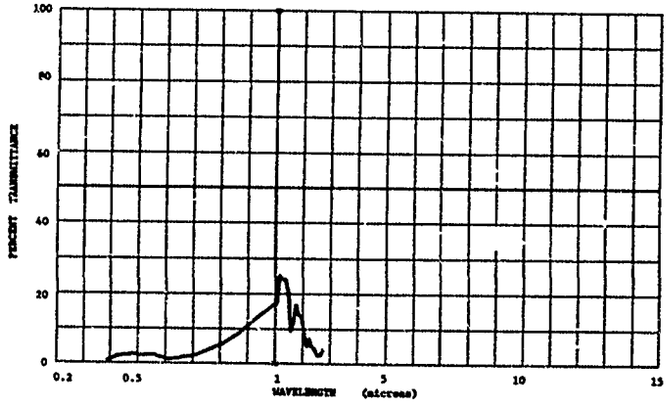

AAKA 31

804805-106 CLCTH, COTTCN, TWILL, DARK GRAY, 7.7 CZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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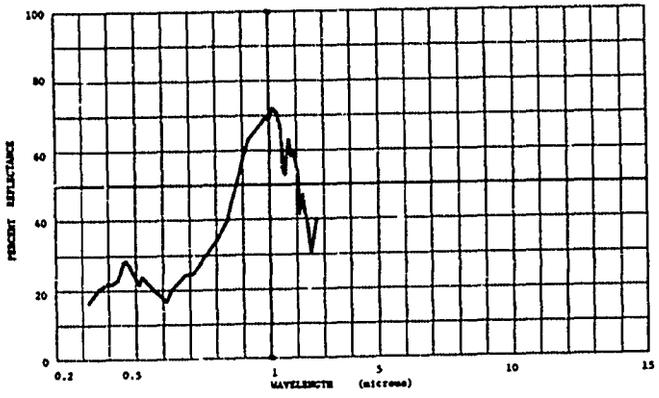

804805-107 CLCTH, COTTCN, TWILL, DARK GRAY, 7.7 CZ./SQ. YD.

SUBJECT CODES
AAKA ECBBK CD CEC DIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
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CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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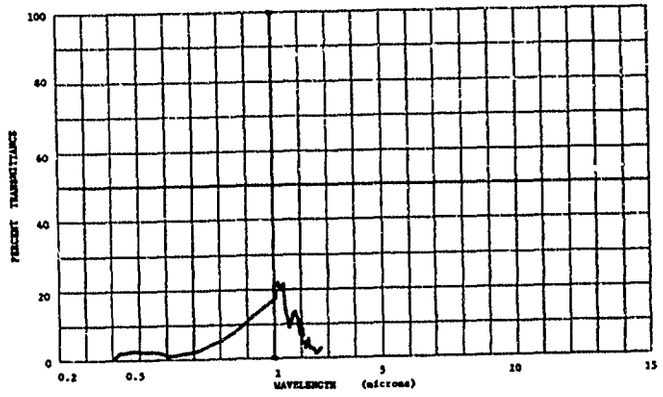

804805-108 CLCTH, COTTCN, DENIM, BLUE.

SUBJECT CODES
AAKA ECBBA CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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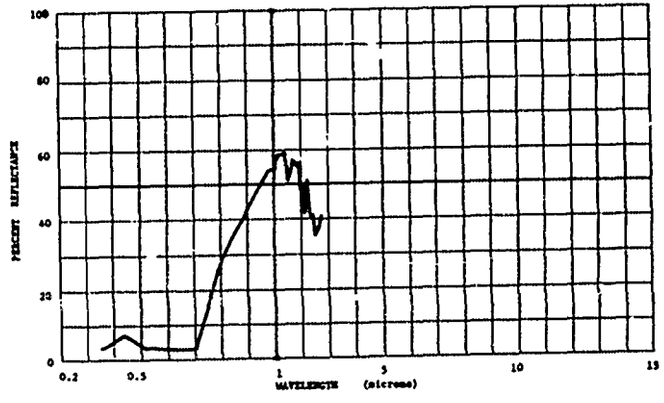
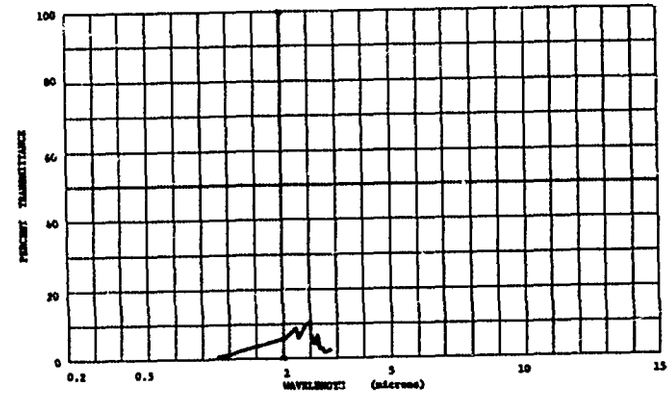


804805-109 CLCTH, COTTCN, DENIM, BLUE.

SUBJECT CODES
AAKA ECBBA CD CEC DIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-110 CLOTH, COTTON, CHAMBRAY, BLUE.

SUBJECT CODES
AAKA ECBBA CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
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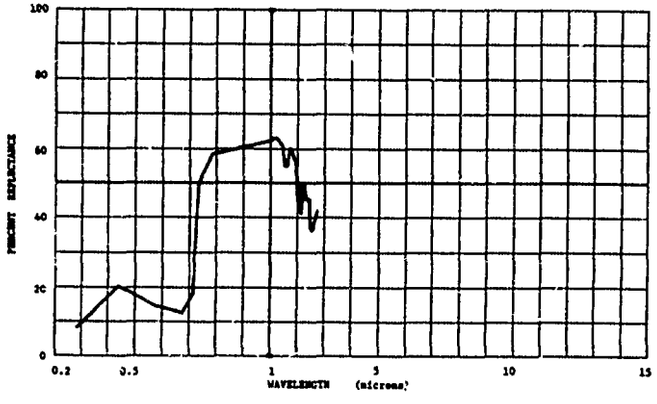
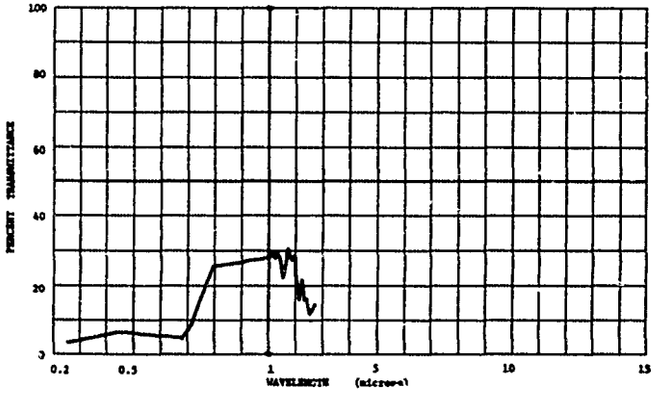


804805-111 CLOTH, COTTON, CHAMBRAY, BLUE.

SUBJECT CODES
AAKA ECBBA CC CEC CIA DK ECAD ECB ECCA ECCB

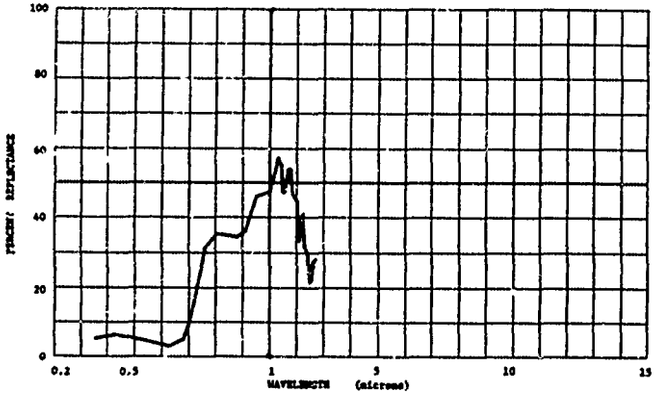
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804805-112 CLOTH, DENIM, BLUE, WASHED, 0.025 IN. THICK, 30.6 G/SQ. FT.

SUBJECT CODES
AAKA ECBBA CC CEC CFA DK ECAD ECB ECCA ECCB

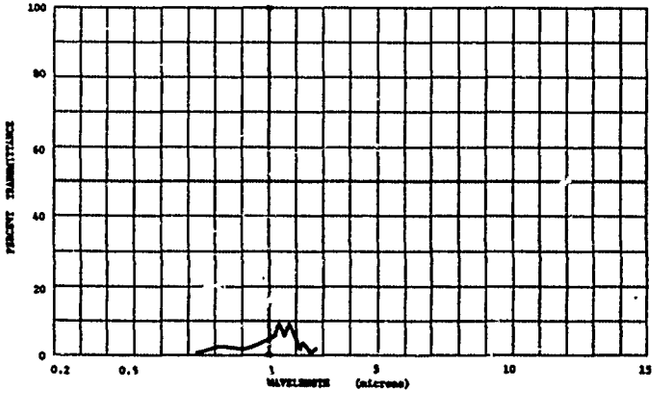
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804805-113 CLOTH, DENIM, BLUE, WASHED, 0.025 IN. THICK, 30.6 G/SQ. FT.

SUBJECT CODES
AAKA ECBBA CC CEC CIA DK ECAD ECB ECCA ECCB

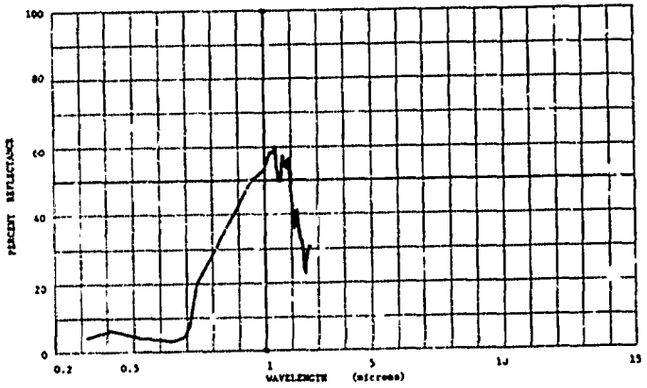
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C5-114 CLOTH, DENIP, BLUE.

SUBJECT CODES
AAKA ECBBA CO CEC CFA DK ECAD ECB ECCA ECCB

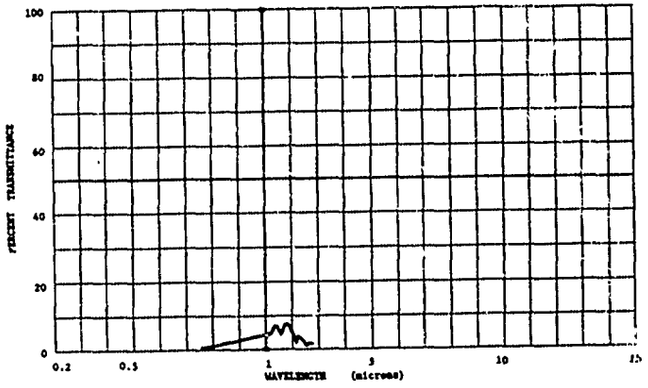
PARAMETER INFORMATION
DATE= 94 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
IEMP= DEW PT= N AVE= 1



8048C5-115 CLOTH, DENIP, BLUE.

SUBJECT CODES
AAKA ECBBA CO CEC CFA DK ECAD ECB ECCA ECCB

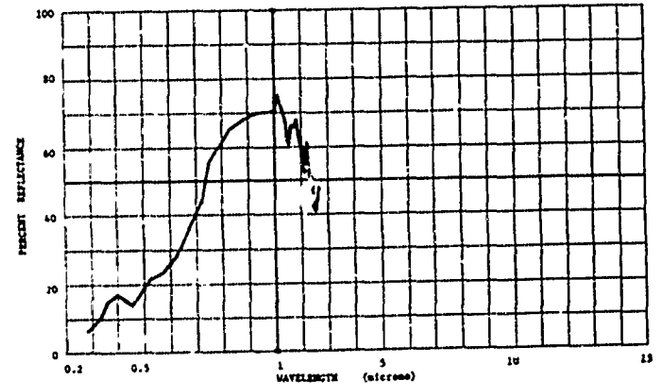
PARAMETER INFORMATION
DATE= 94 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
IEMP= DEW PT= N AVE= 1



8048C5-116 CLOTH, COTTON, TWILL, KHAKI.

SUBJECT CODES
AAKA ECBBF CO CEC CFA DK ECAD ECB CCCA ECCB

PARAMETER INFORMATION
DATE= 94 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
IEMP= DEW PT= N AVE= 1



8048C5-117 CLOTH, COTTON, TWILL, KHAKI.

SUBJECT CODES
AAKA ECBBF CO CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 94 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
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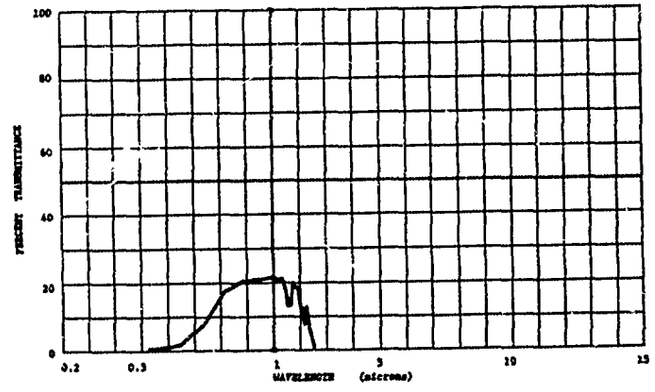

AAKA14

804805-118 CLOTH, COTTON, SHIRTING, KHAKI, 3.75 OZ.

SUBJECT CODES
AAKA ECBBH CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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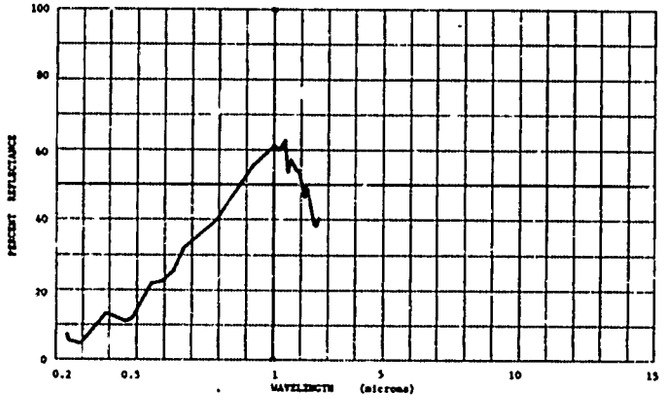

804805-119 CLOTH, COTTON, SHIRTING, KHAKI, 3.75 OZ.

SUBJECT CODES
AAKA ECBBH CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
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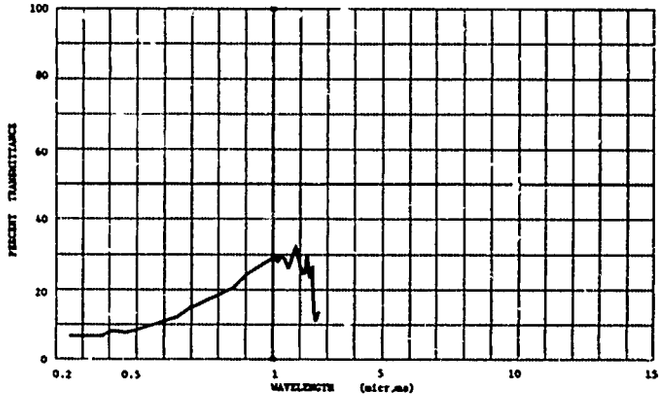

804805-120 CLOTH, COTTON, SATEEN, THREE PLY WARP TYPE II, WATER AND MILDEW RESISTANT, O.D.

SUBJECT CODES
AAKA ECBBI CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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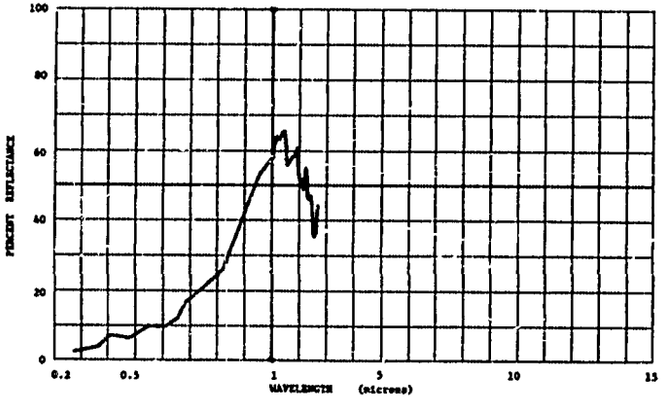

804805-121 CLOTH, COTTON, SATEEN, THREE PLY WARP TYPE II, WATER AND MILDEW RESISTANT, O.D.

SUBJECT CODES
AAKA ECBBI CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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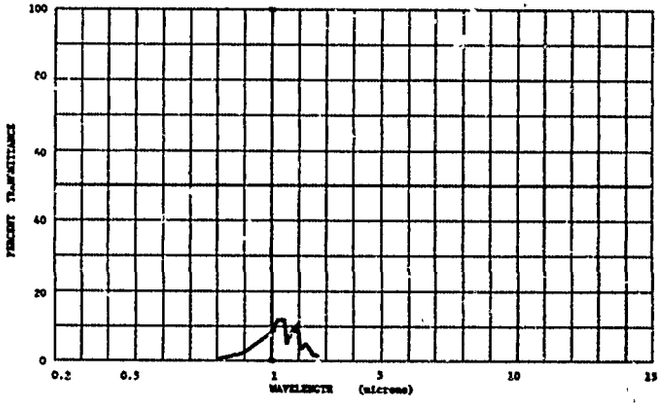

8048C5-122 CLOTH, COTTON, POPLIN, WIND RESISTANT, O.D. NO. 7, 5-7 OZ.

SUBJECT CODES
AAKA ECBB1 CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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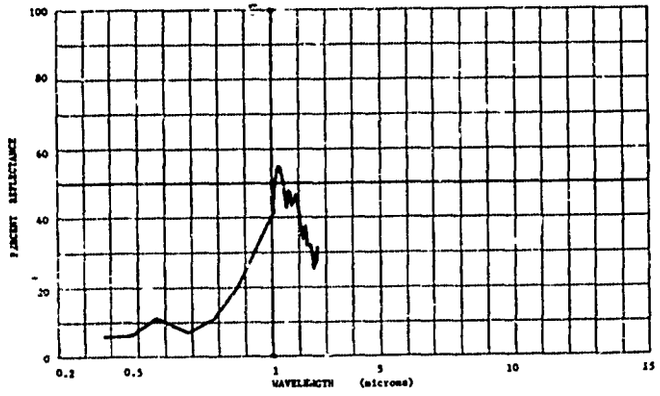

8048C5-123 CLOTH, COTTON, POPLIN, WIND RESISTANT, O.D. NO. 7, 5-7 OZ.

SUBJECT CODES
AAKA ECBB1 CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
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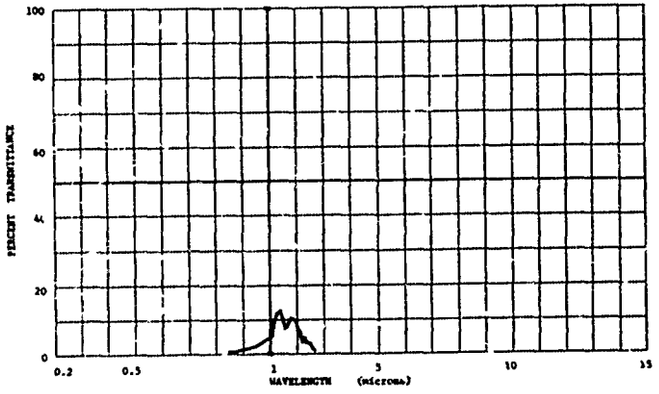

8048C5-124 CLOTH, COTTON, DUCK, WHITE, 7-7 1/2 OZ.

SUBJECT CODES
AAKA ECBBJ CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
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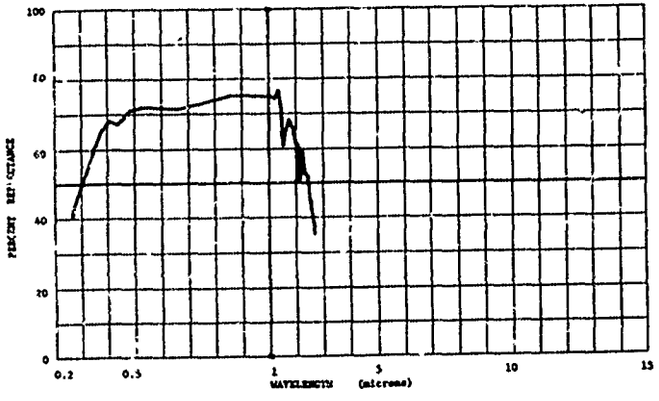

8048C5-125 CLOTH, COTTON, DUCK, WHITE, 7-7 1/2 OZ.

SUBJECT CODES
AAKA ECBBJ CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
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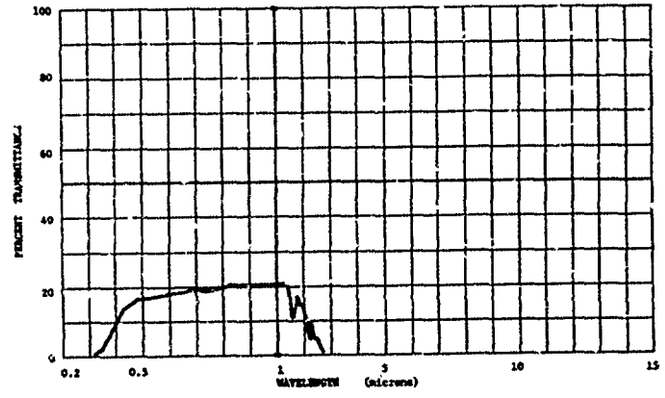

AAKA 38

804809-126 CLOTH, COTTON, KNITTED UNDERSHIRT, WHITE.

SUBJECT CODES
AAKA ECBBJ CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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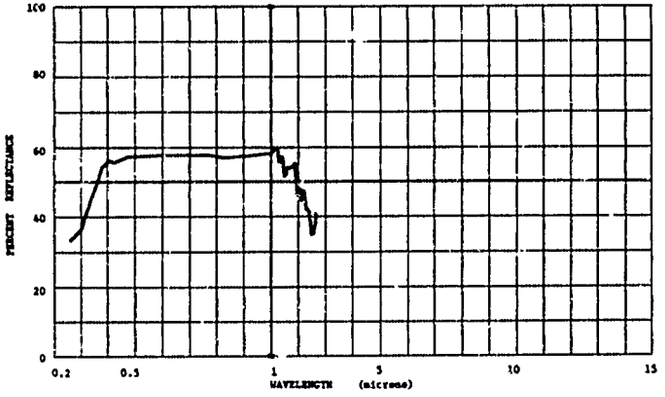
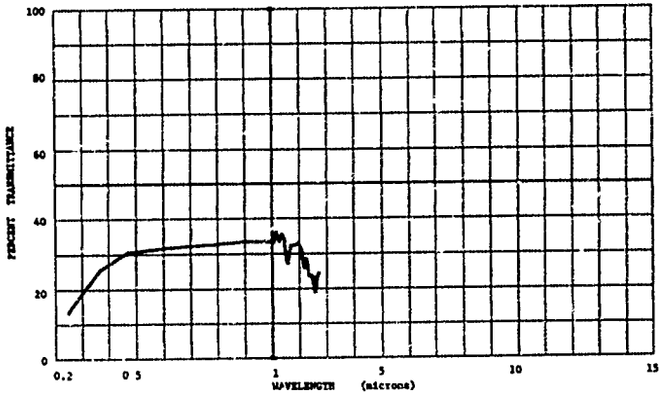


804809-127 CLOTH, COTTON, KNITTED UNDERSHIRT, WHITE.

SUBJECT CODES
AAKA ECBBJ CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804809-128 CLOTH, COTTON, WHITE, 17.5 PERCENT ACETYL.

SUBJECT CODES
AAKA ECBBJ CD CEC CFA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
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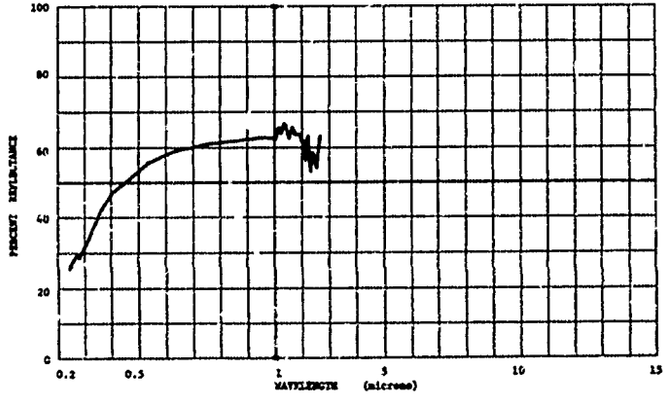

804809-129 CLOTH, COTTON, WHITE, 17.9 PERCENT ACETYL.

SUBJECT CODES
AAKA ECBBJ CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
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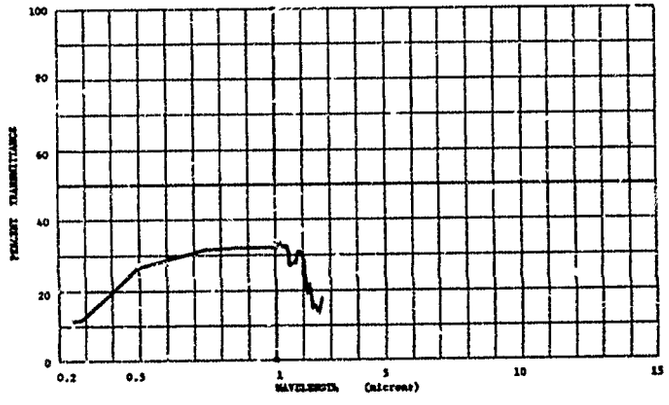

804BC9-130 CLCTH, COTTCN, WHITE, 27.3 PERCENT ACETYL.

SUBJECT CODES
AAKA ECB8J CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
CATE= 94 TIME= LAT= LCNG= ALT= RANGE=
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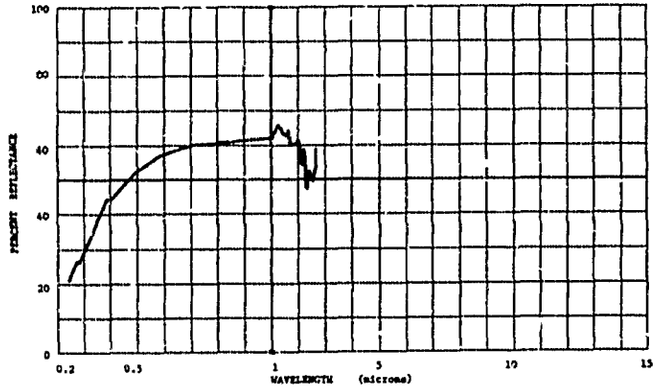

804BC9-131 CLCTH, COTTCN, WHITE, 27.3 PERCENT ACETYL.

SUBJECT CODES
AAKA ECB8J CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
CATE= 94 TIME= LAT= LCNG= ALT= RANGE=
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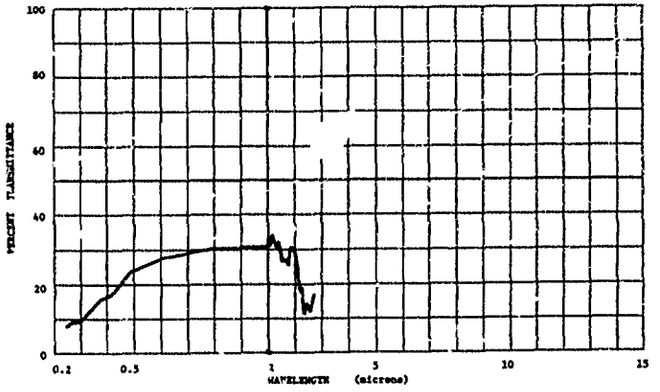

804BC9-132 CLCTH, NYLON TYPE II, CLASS A FOR FLYING CLOTHES, O.D., SPEC 16169.

SUBJECT CODES
AAKA ECB8I CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
CATE= 94 TIME= LAT= LCNG= ALT= RANGE=
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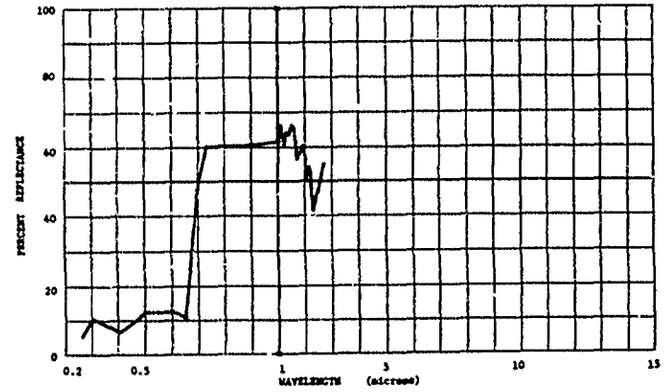

804BC9-133 CLCTH, NYLON TYPE II, CLASS A FOR FLYING CLOTHES, BLUE, SPEC 16169.

SUBJECT CODES
AAKA ECB8A CC CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATICN
CATE= 94 TIME= LAT= LCNG= ALT= RANGE=
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CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
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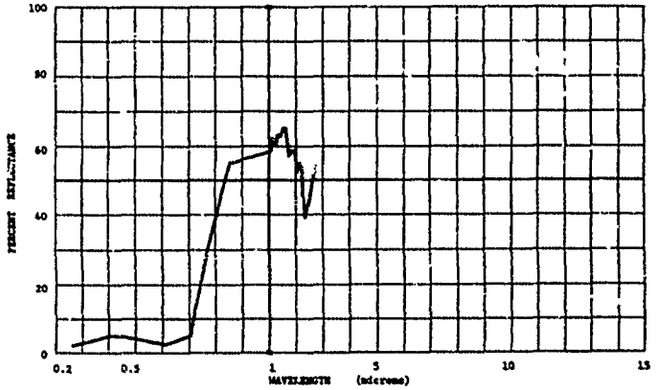

AAKA 28

804805-134 CLOTH, NYLON RIBBON, TYPE 5, WHITE, SPEC 16213.

SUBJECT CODES
AAKA ECB0J CO CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
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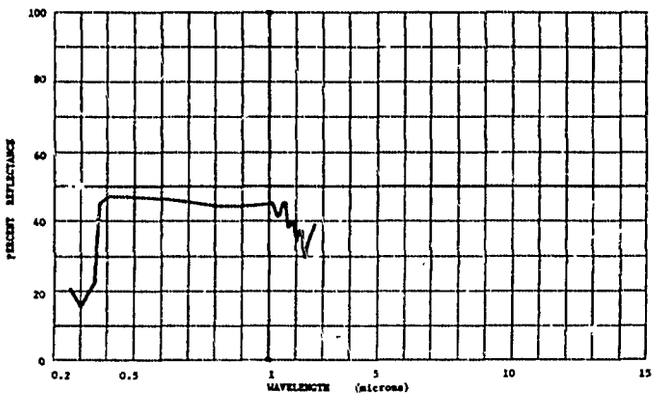

804805-135 CLOTH, NYLON RIBBON, TYPE 5, NEON RED, SPEC 16213.

SUBJECT CODES
AAKA ECB0E CO CEC CFA DK ECAD ECW ECCA ECCB

PARAMETER INFORMATION
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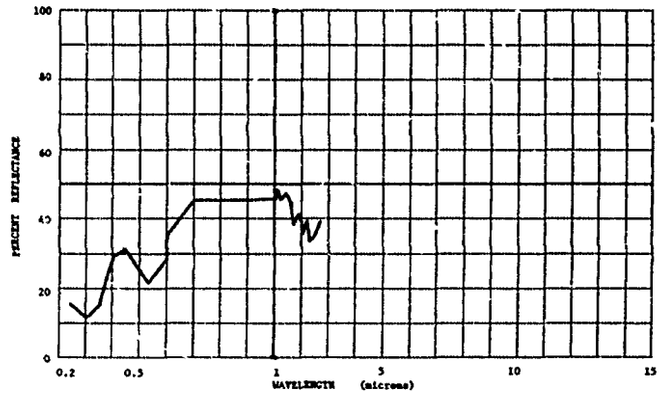

804805-136 CLOTH, NYLON SATIN, O.D. SPEC 16211.

SUBJECT CODES
AAKA ECB0I CO CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
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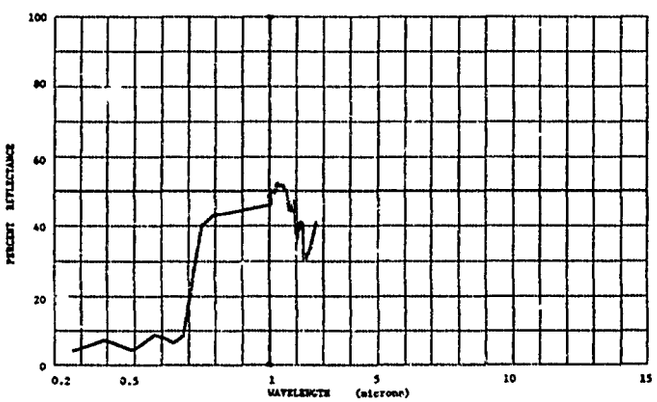

804805-137 CLOTH, NYLON SATIN, O.D. SPEC 16211.

SUBJECT CODES
AAKA ECB0I CO CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
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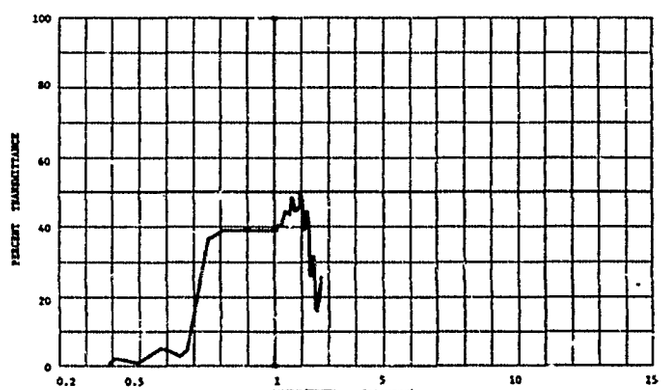

AAKA 65 V3AV

8048C9-138 CLOTH, NYLON FACED, WOOL BACKED, O.D., SPEC 16207.

SUBJECT CODES
AAKA EC8B1 CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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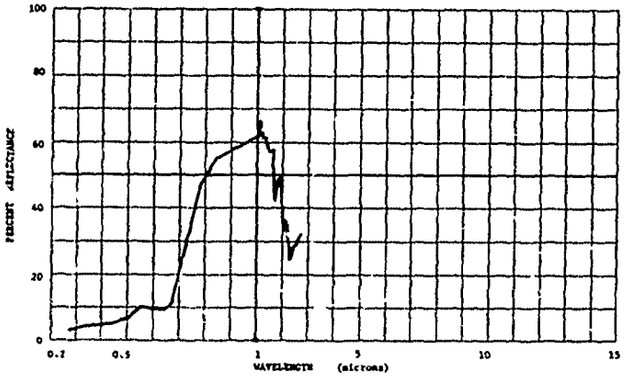

8048C9-139 CLOTH, NYLON FACED, WOOL BACKED, O.D., SPEC 16207.

SUBJECT CODES
AAKA EC8B1 CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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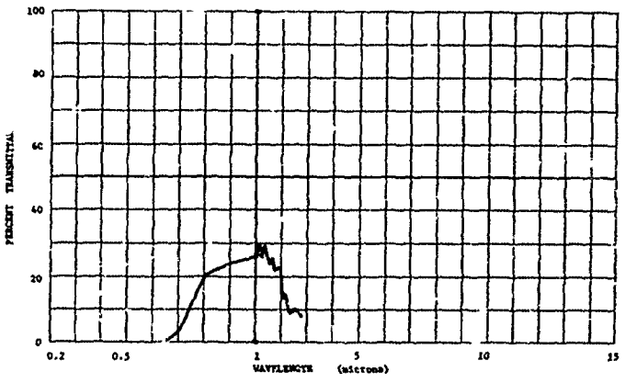

8048C9-140 CLOTH, NYLON RIBBON, TYPE 9, WHITE, SPEC 16213.

SUBJECT CODES
AAKA EC8BJ CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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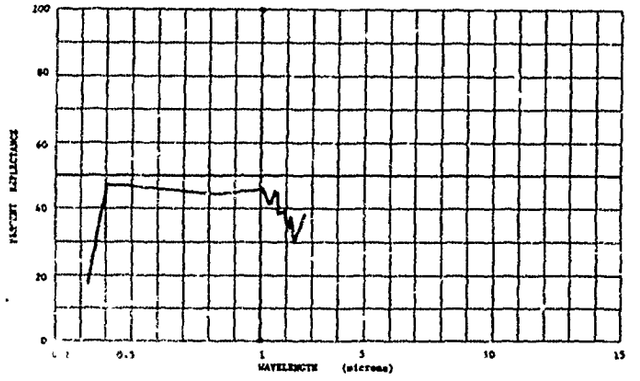

8048C9-141 CLOTH, NYLON RIBBON, TYPE 9, WHITE, SPEC 16213.

SUBJECT CODES
AAKA EC8BJ CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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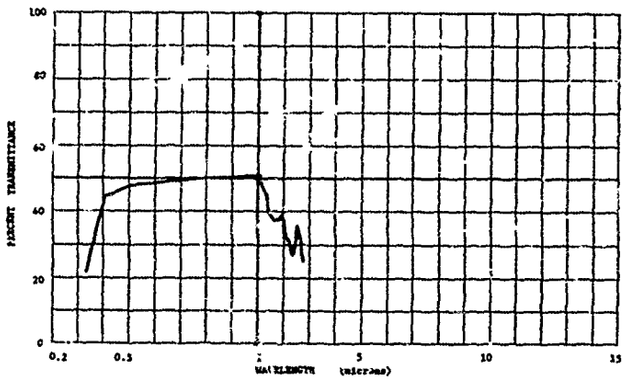

AAKA 30

804805-142 CLOTH, SPUN NYLON, HONEYCOMBE WEAVE, EXPERIMENTAL, WHITE.

SUBJECT CODES
AAKA ECBBJ CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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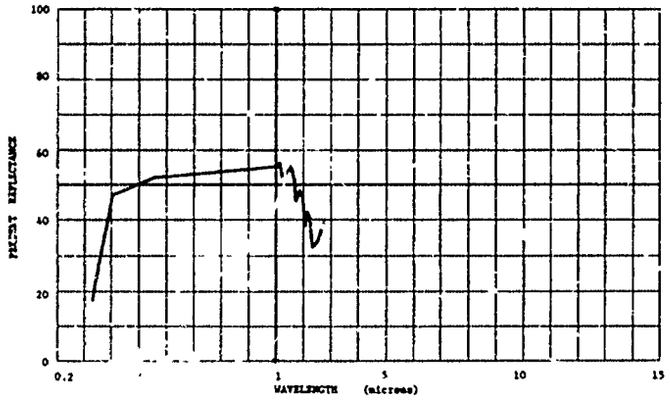

804805-143 CLOTH, SPUN NYLON, HONEYCOMBE WEAVE, EXPERIMENTAL, WHITE

SUBJECT CODES
AAKA ECBBJ CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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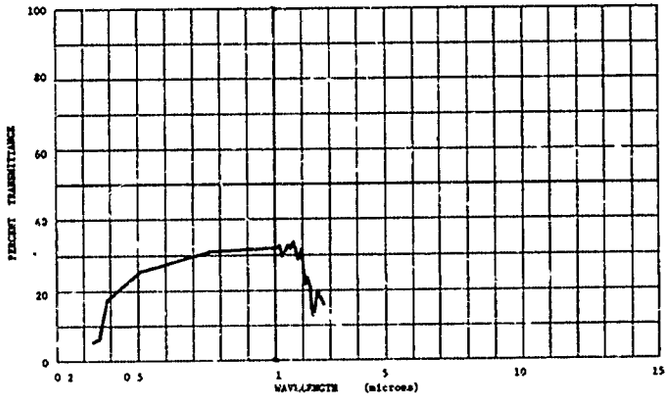

804805-144 CLOTH, ORLON, BLACK.

SUBJECT CODES
AAKA ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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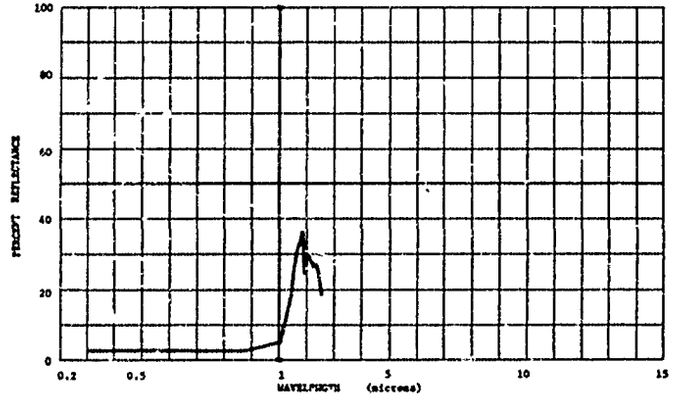
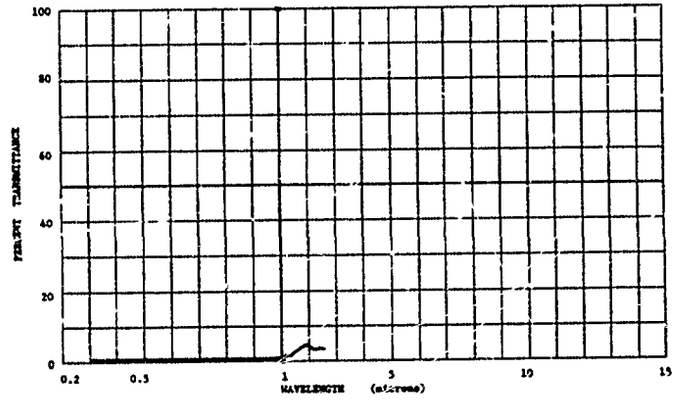


804805-145 CLOTH, ORLON, BLACK.

SUBJECT CODES
AAKA ECBBL CD CEC CIA DK ECAD ECB ECCA ECCB

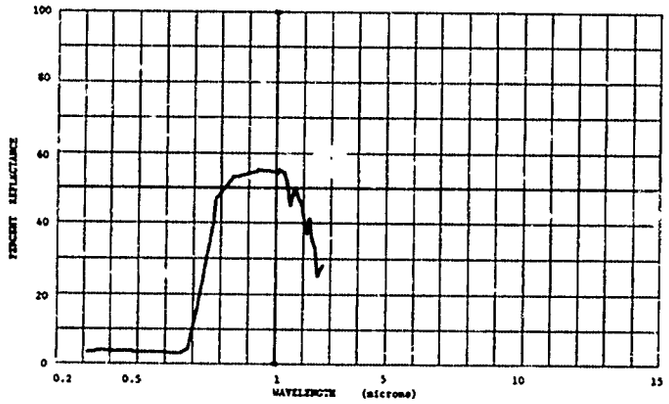
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C6-001 BLACK RAYON TWILL LINING.

SUBJECT CODES
AAKA ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB

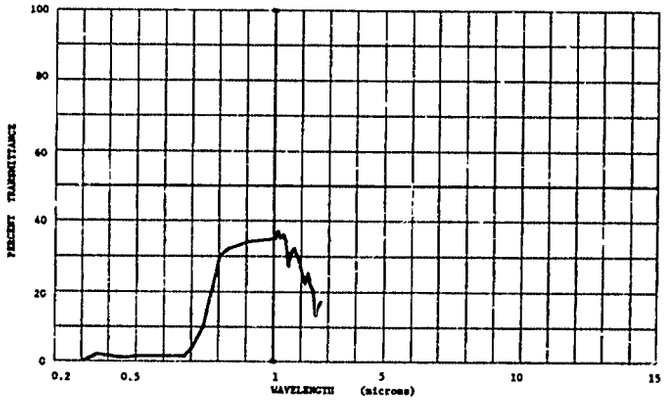
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C6-002 BLACK RAYON TWILL LINING.

SUBJECT CODES
AAKA ECBBL CD CEC CIA DK ECAD ECB ECCA ECCB

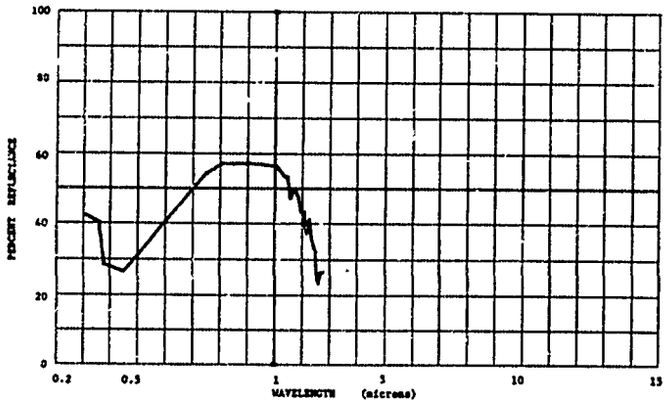
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C6-003 BEIGE RAYON TWILL LINING.

SUBJECT CODES
AAKA ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C6-004 BEIGE RAYON TWILL LINING.

SUBJECT CODES
AAKA ECBBL CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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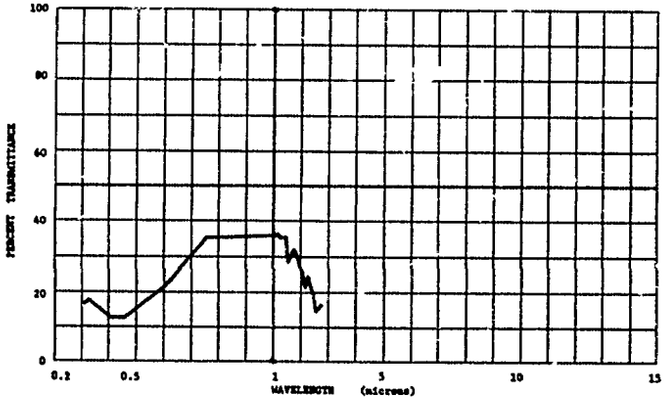

8048C6-005 BLACK WOOL FLANNEL.

SUBJECT CODES
AAKA VCCBL CC CEC CFA DK ECAD ICB ECCA FCCB

PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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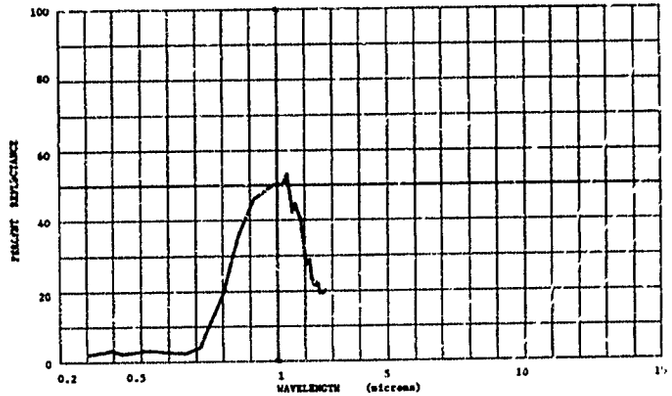

8048C6-007 WASHED BLUE COTTON DENIM.

SUBJECT CODES
AAKA ECBBA CC CEC CFA DK ECAD ECB ICCA ECCB

PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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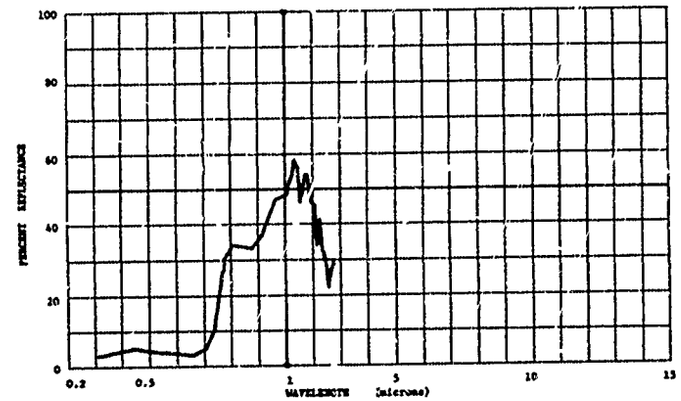
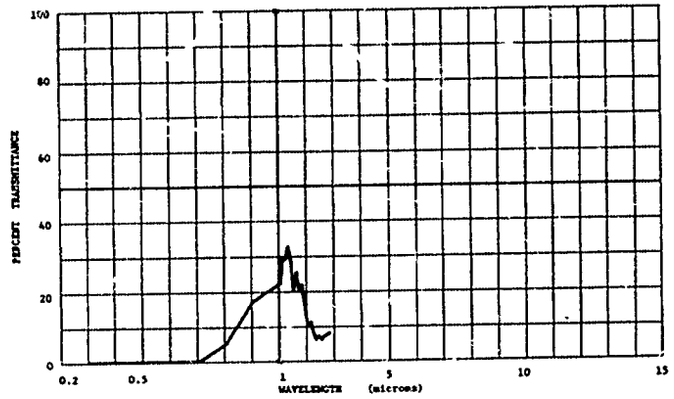


8048C6-006 BLACK WOOL FLANNEL.

SUBJECT CODES
AAKA ECCBL CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C6-008 WASHED BLUE COTTON DENIM.

SUBJECT CODES
AAKA ECBBA CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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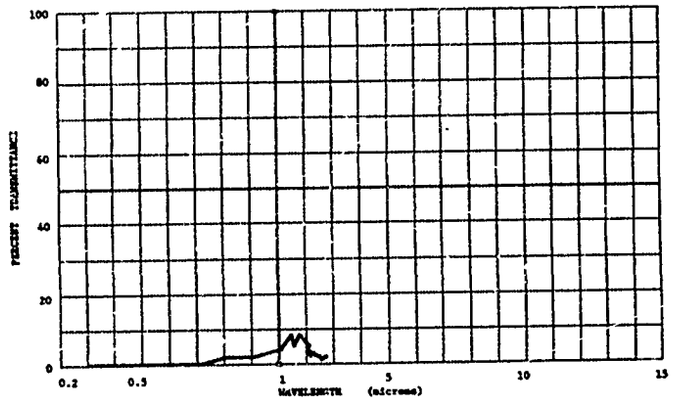

AVCA 13

B048C6-009 BLACK ACETATE SHANTUNG

SUBJECT CODES
AAKA ECBBL CC CEC CPA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
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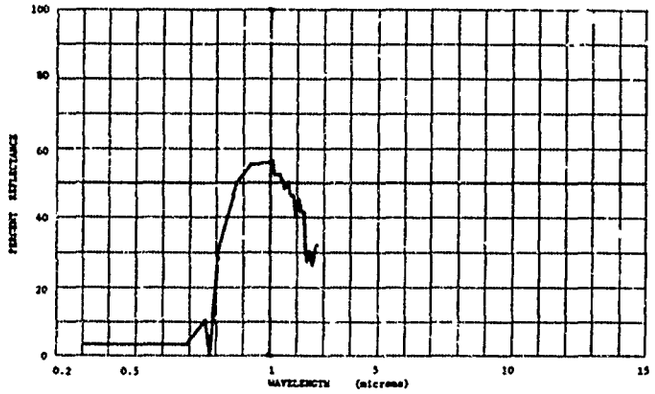
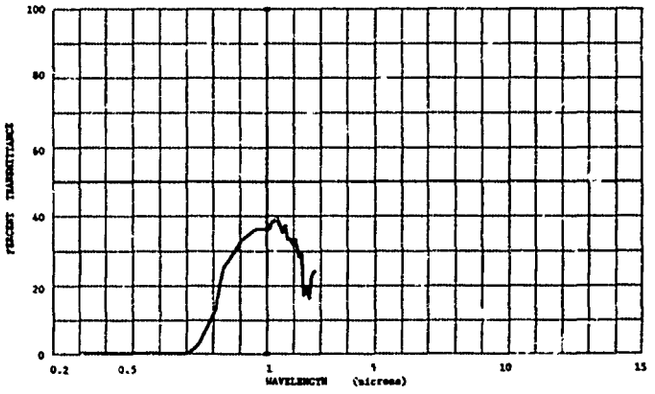


B048C6-010 BLACK ACETATE SHANTUNG.

SUBJECT CODES
AAKA ECBBL CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B048C6-011 WIRE RAYON ACETATE DRAPERY.

SUBJECT CODES
AAKA CC CEC CPA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
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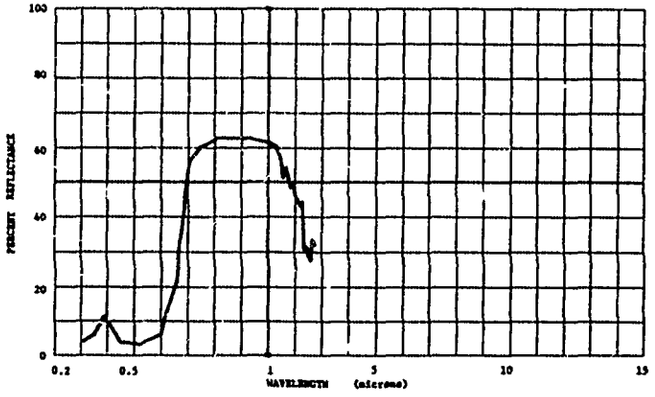
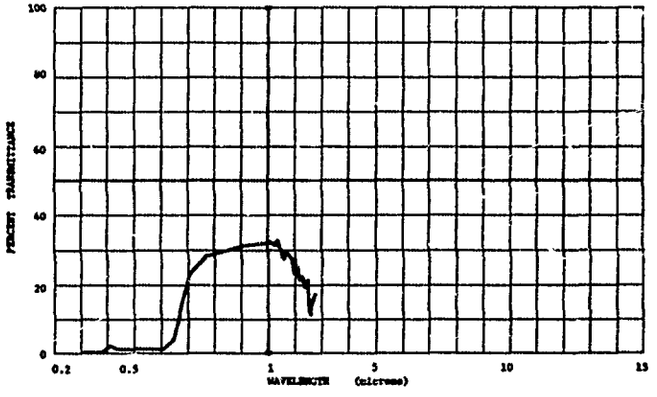


B048C6-012 WIRE RAYON ACETATE DRAPERY.

SUBJECT CODES
AAKA CC CEC CIA CK ECAC ECB ECCA ECCB

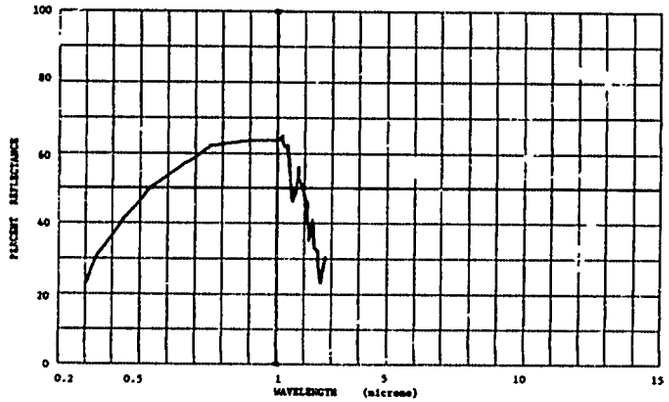
PARAMETER INFORMATION
DATE= SS TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= SAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804806-013 CREAM COLOR VENETIAN BLIND COTTON TAPE.

SUBJECT CODES
AAKA ECBBJ CD CEC CFA DK ECAD ECB ECCA ECCB

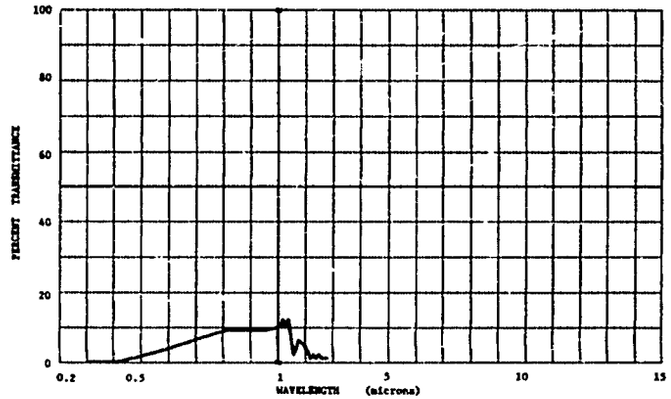
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-014 CREAM COLOR VENETIAN BLIND COTTON TAPE.

SUBJECT CODES
AAKA ECBBJ CD CEC CIA DK ECAD ECB ECCA ECCB

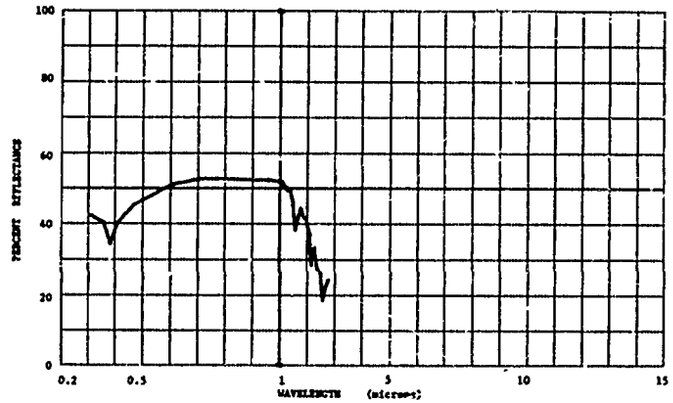
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-015 UNBLEACHED COTTON SHEETING.

SUBJECT CODES
AAKA ECBBJ CD CEC CFA DK ECAD ECB ECCA ECCB

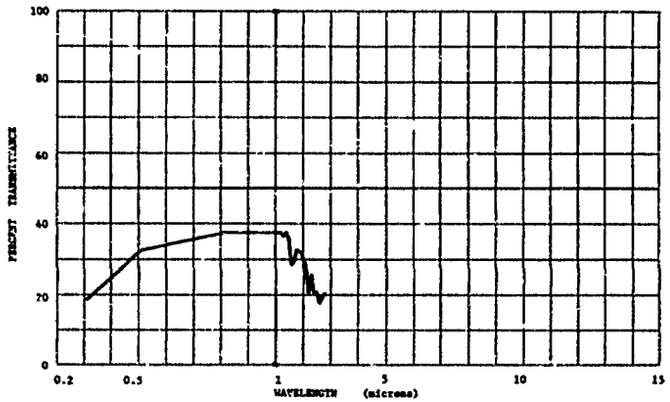
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-016 UNBLEACHED COTTON SHEETING.

SUBJECT CODES
AAKA ECBBJ CD CEC CIA DK ECAD ECB ECCA ECCB

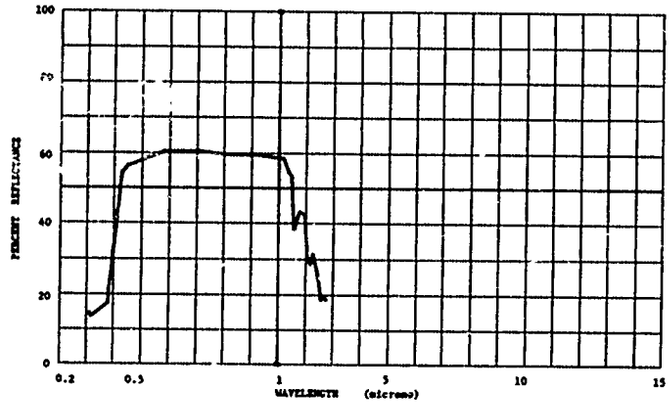
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804306-017 IVORY-WHITE RAYON MARQUISETTE CURTAIN.

SUBJECT CODES
AAKA ECBBJ CC CEC CFA DK ECAD ECB ECCA ECCB

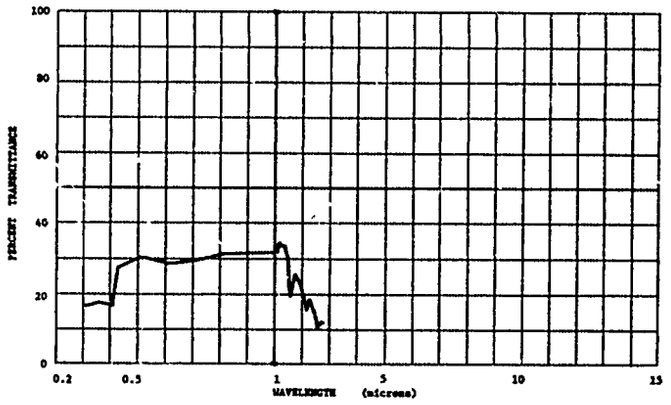
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-018 IVORY-WHITE RAYON MARQUISETTE CUR[illegible]

SUBJECT CODES
AAKA ECBBJ CC CEC CIA DK ECAD ECB ECCA ECCB

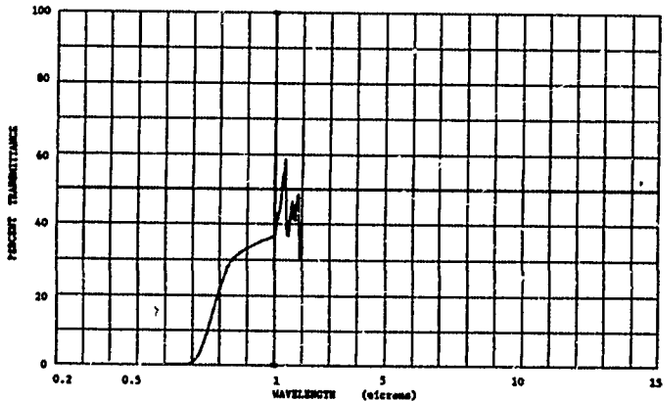
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-048 BLACK WOOL FELT.

SUBJECT CODES
AAKA ECBBL CCA CEC CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 3 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-071 SAUEREISEN, 18 MIL, DUSTED ON SODIUM SILICATE ON POLISHED ALUMINUM.

SUBJECT CODES
AE CE CEC CFA CH ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRN= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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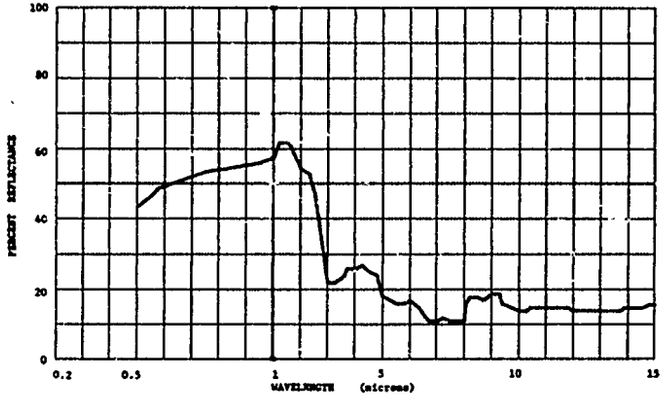

BC3960-001 ALUMINUM COATED WITH 0.5 MICRON ALUMINUM OXIDE.

SUBJECT CODES
AEA CCC CEC CFC CK ECCO ECCE

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIAC SP= WIND DI= CLD= VIS=
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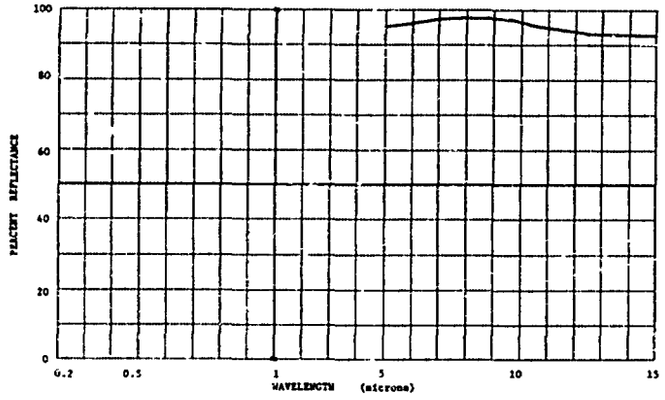
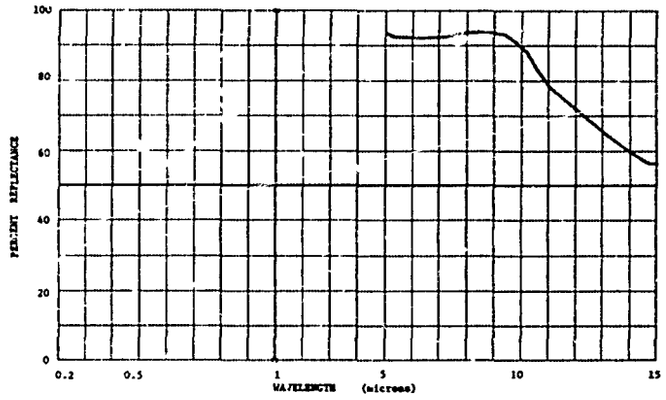


BC3960-002 ALUMINUM COATED WITH 1.0 MICRON ALUMINUM OXIDE.

SUBJECT CODES
AEA CCC CEC CFC CK ECCO ECCE

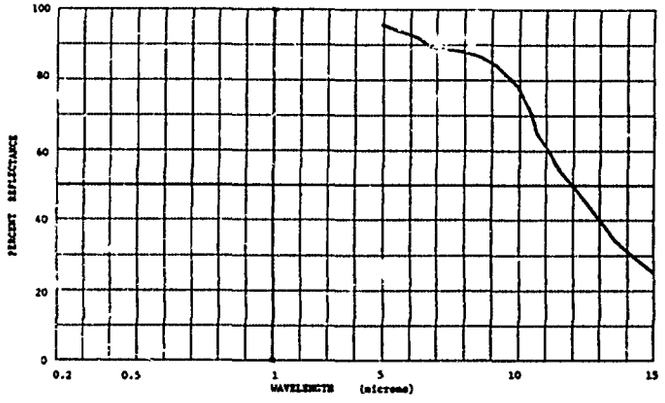
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3960-003 ALUMINUM COATED WITH 1.5 MICRONS ALUMINUM OXIDE.

SUBJECT CODES
AEA CCC CEC CFC CK ECCO ECCE

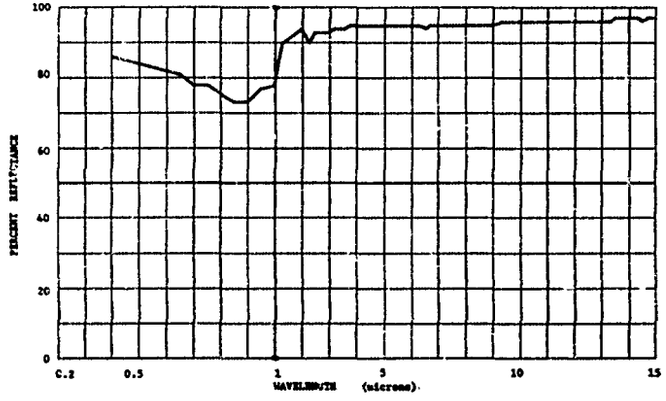
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



R04979-001 ALUMINUM FOIL, REYNOLDS WRAP.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECH ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
DATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



AEA 2

804979-002 ALUMINUM, 125 MICROINCH FINISH.

SUBJECT CODES
AEA CC CEC CFA EK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
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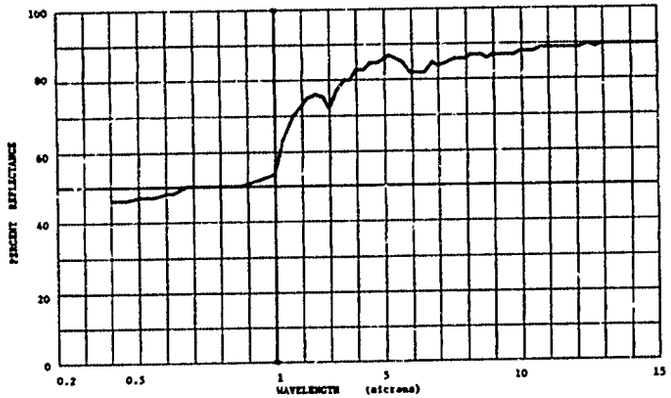

804979-003 ALUMINUM, WEATHERED 20,000 HOURS ON DC-6 AIRLINER.

SUBJECT CODES
AEA CC CEC CFA EK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
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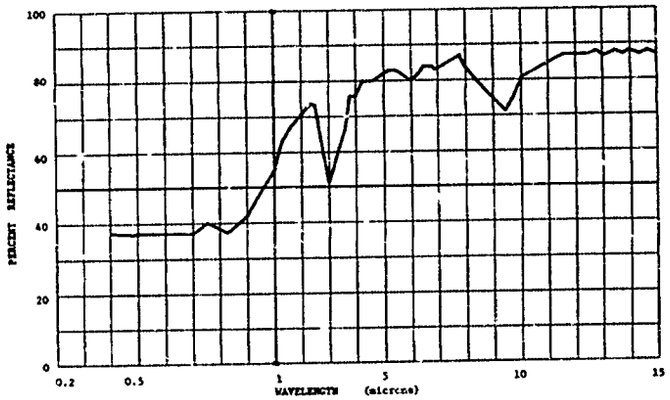

804979-004 EVAPORATED ALUMINUM, 25 MICROINCHES ON POLISHED ALUMINUM.

SUBJECT CODES
AEA CC CEC CFA EK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
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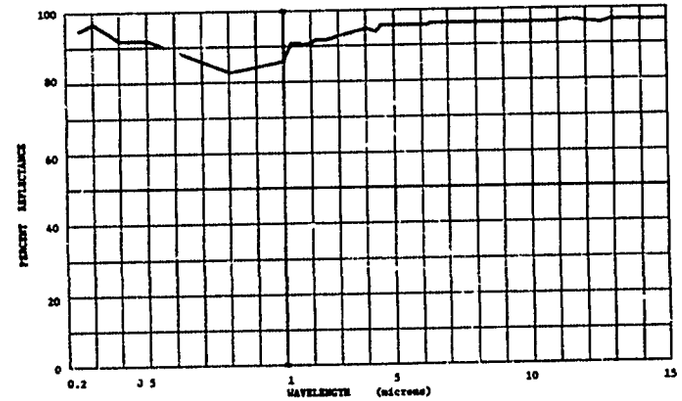

804979-005 EVAPORATED ALUMINUM ON .25 MIL MYLAR CRUMPLED AND STRETCHED, LOOKING AT ALUMINUM.

SUBJECT CODES
AEA CC CEC CFA EK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
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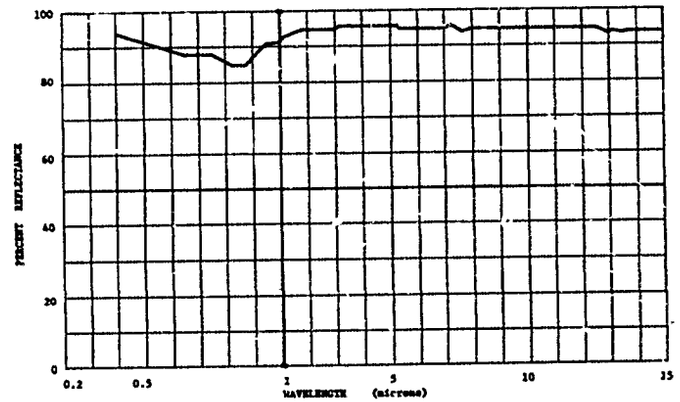
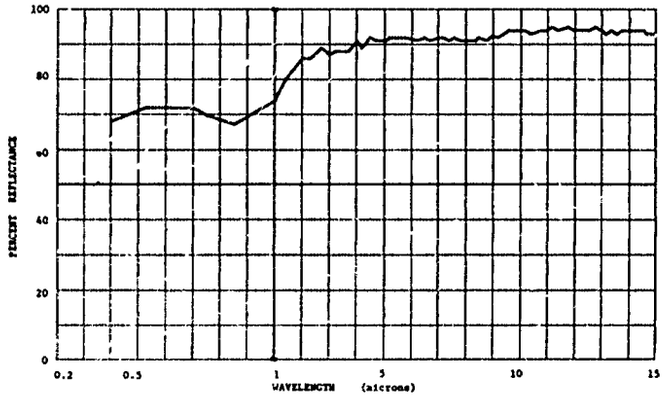


AEA 9

804979-007 ALUMINUM, COMMERCIALLY PURE, 300 HOURS AT 600 F.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

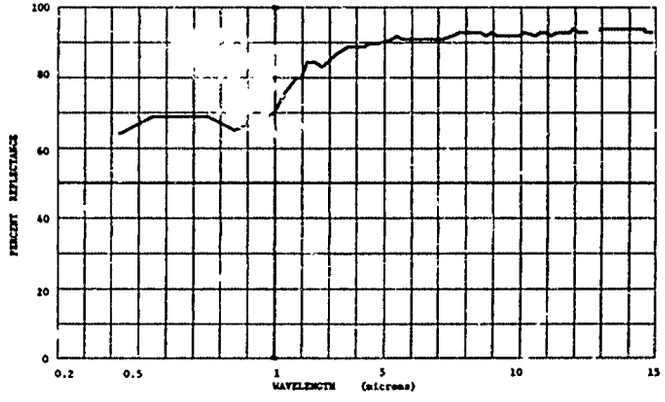
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-008 ALUMINUM, COMMERCIALLY PURE.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

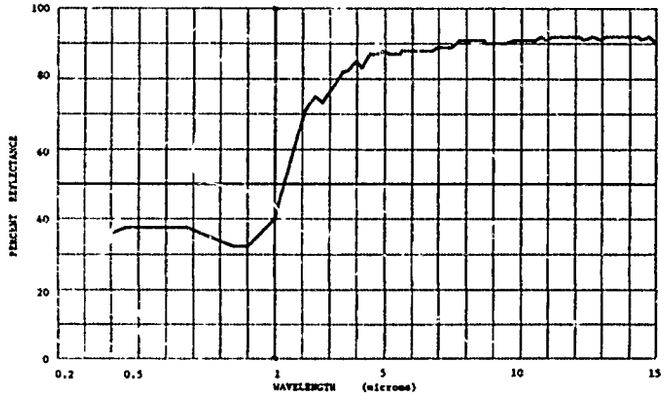
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-009 ALUMINUM, COMMERCIALLY PURE, 300 HOURS AT 1000 F.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
CCCC ECCE

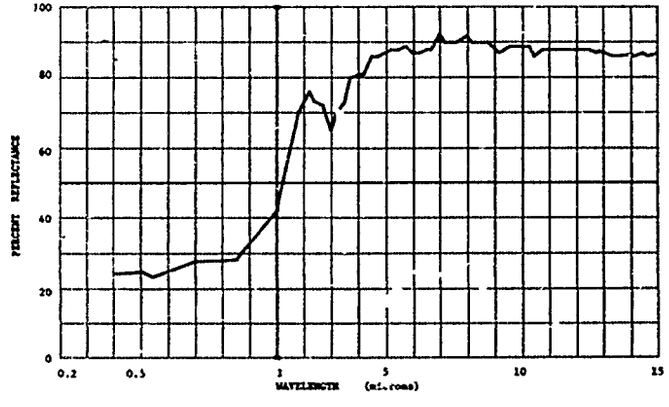
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-010 CHROMIC ACID ANODIZED ON ALUMINUM.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

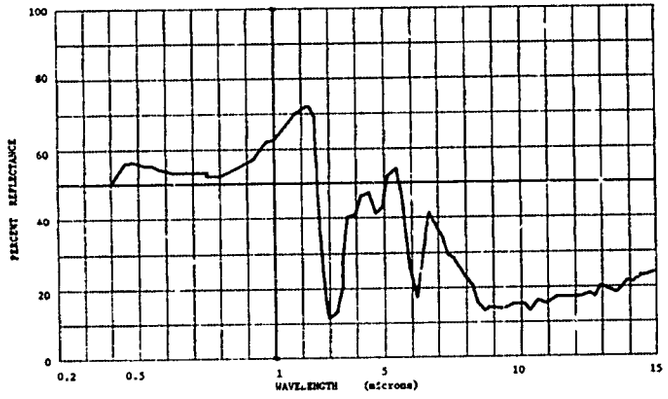
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-011 SULFERIC ACID ANODIZED ON EXTRUDED ALUMINUM, CHEMICALLY MILLED.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

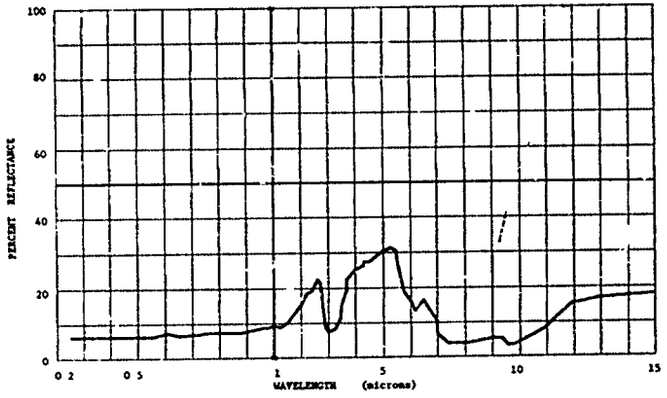
PARAMETER INFORMATION
CATE= GC TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-012 HARD ANODIZE (1 MIL) ON ALUMINUM.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

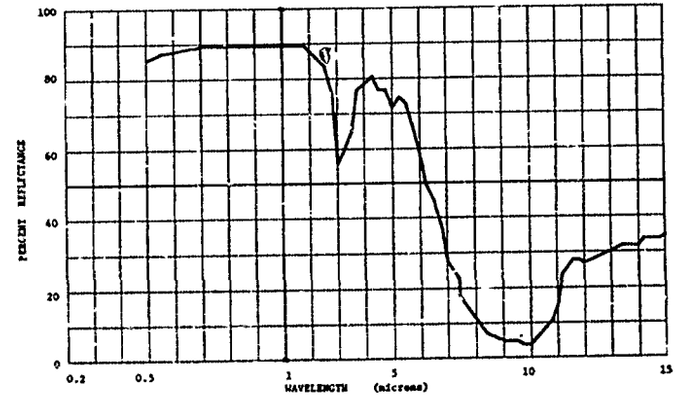
PARAMETER INFORMATION
CATE= GC TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-069 ALUADUP, 13 PIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

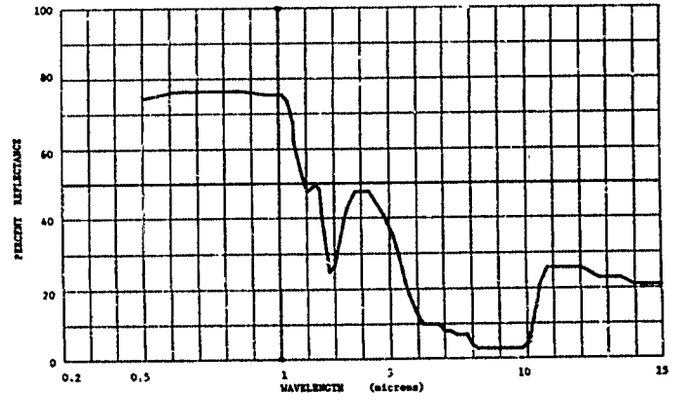
PARAMETER INFORMATION
CATE= GC TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-070 FLAPE-SPRAYED ALUMINA ON STAINLESS STEEL.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
CATE= GC TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1

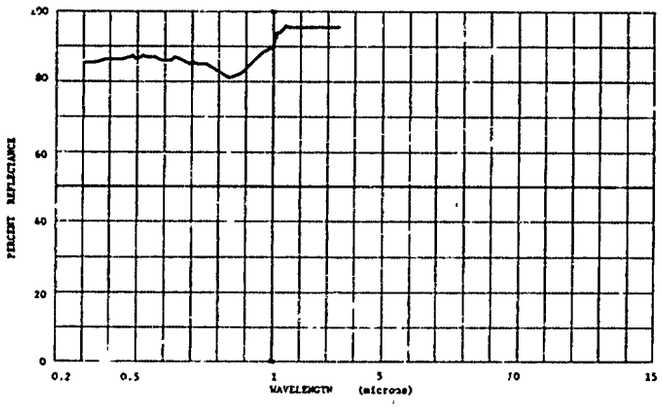


AEA 8

804979-121 ALUMINUM FOIL.

SUBJECT CODES
AEA CEC CEC CFA CK ECAC ECB ECCA ECCB ECCC

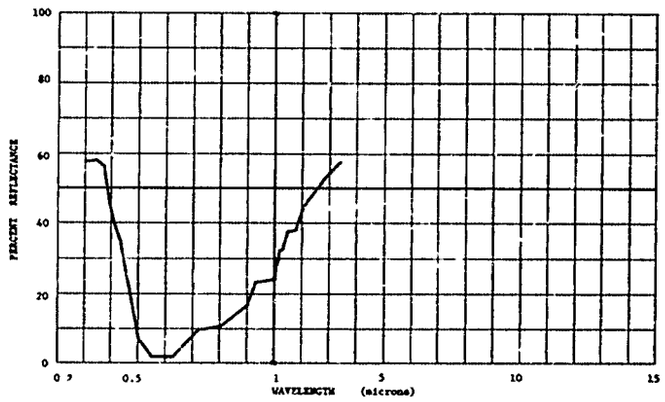
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 20.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-122 OXIDIZED EVAPORATED TITANIUM ON ALUMINUM FOIL.
OXIDIZED AT 400 DEGREE C.

SUBJECT CODES
AEA CEC CEC CFA CK ECAC ECB ECCA ECCB ECCC

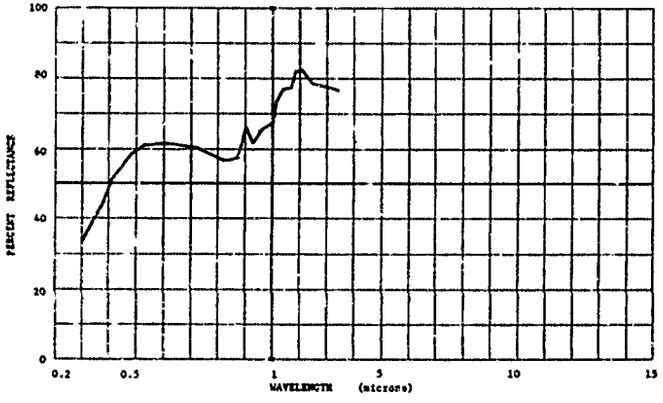
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 20.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-123 ANODIZED ALUMINUM, SULFURIC ACID ANODIZE.

SUBJECT CODES
PFL AEA CEC CEC CFA CK ECAC ECB ECCA ECCB
ECCC

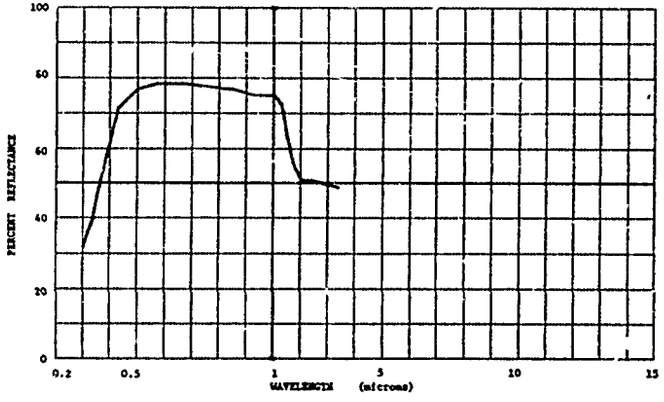
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 20.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-124 FLAME-SPRAYED ALUMINA ON 410 STAINLESS STEEL.

SUBJECT CODES
AEA AEL CDC CEC CFA CK ECAC ECB ECCA ECCB
ECCC

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 20.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

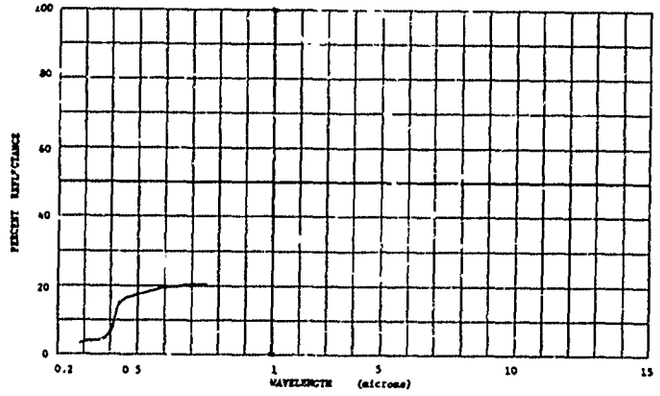


A2A 6

82C00C9-012 ASPHALT ROOFING, AGED.

SUBJECT CODES
AEB CCA CEC CFAA CFCE DK ECAC ECAC ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 7 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.. IAZ= CN= CAZ= IRR= E
OBST= T:EYP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

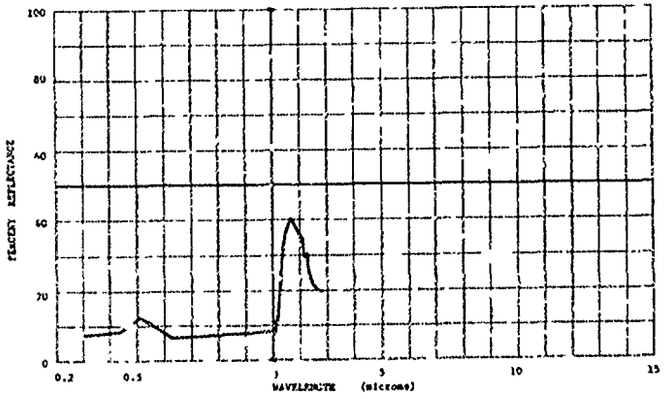


AFES 2

804BC6-019 OILED GREEN WINDOW SHALE.

SUBJECT CODES
AEE ECBBB CO CEC LEA DK ECAD ECB ECCA ECCB

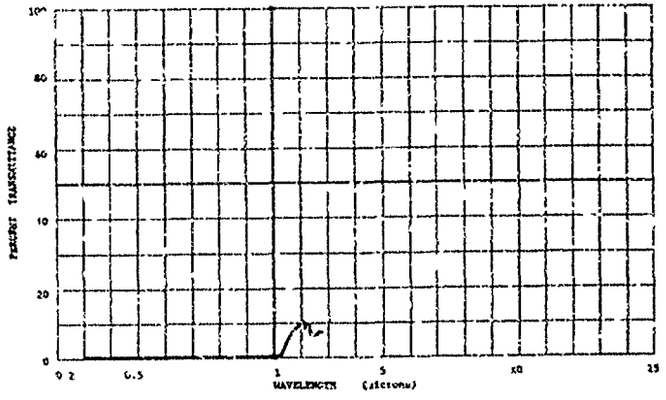
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= 6
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



WC6-020 OILED GREEN WINDOW SHALE

SUBJECT CODES
AEE ECBNB CO CLE CIA DK ECAD ECB ECCA ECCB

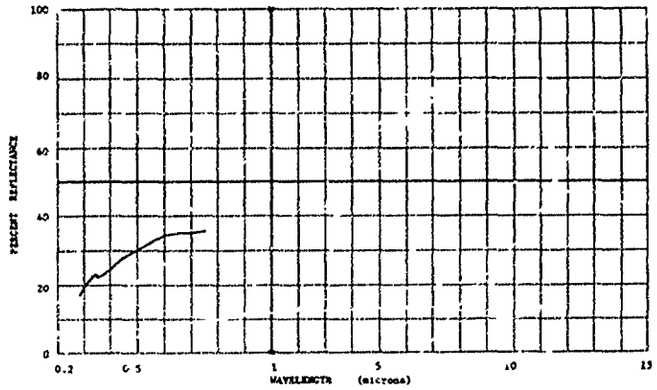
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= 6
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-611 CONCRETE, AGED.

SUBJECT CODES
AEG CCA CEL CFAA CFCE DK ECAC ECAD ECH ECCA

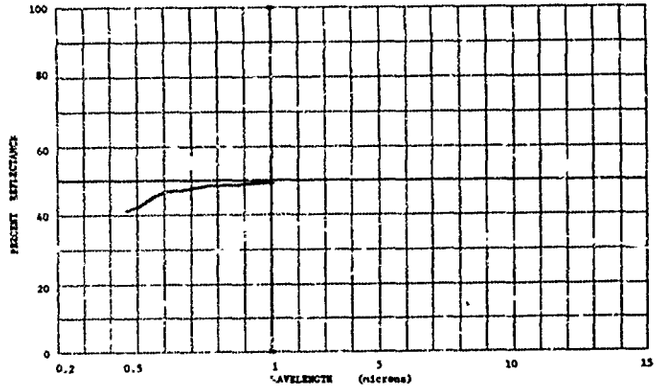
PARAMETER INFORMATION
DATE= 7 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-344 CONCRETE, LARGE AGGREGATE.

SUBJECT CODES
AEG CCA CED CFAA CFCE DK ECB ECCA

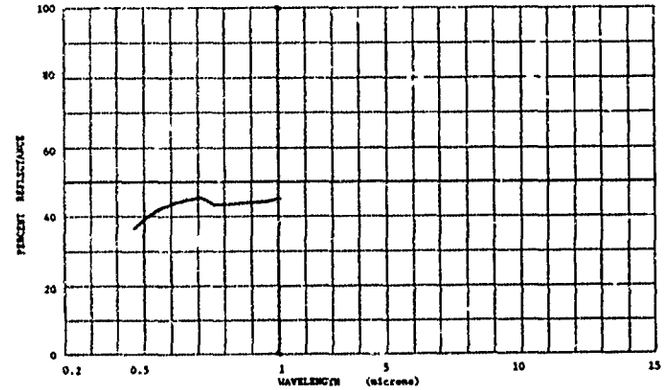
PARAMETER INFORMATION
DATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



820000-345 CONCRETE, SMALL AGGREGATE.

SUBJECT CODES
AEG CCA CED CFAA CFCE DK ECB ECCA

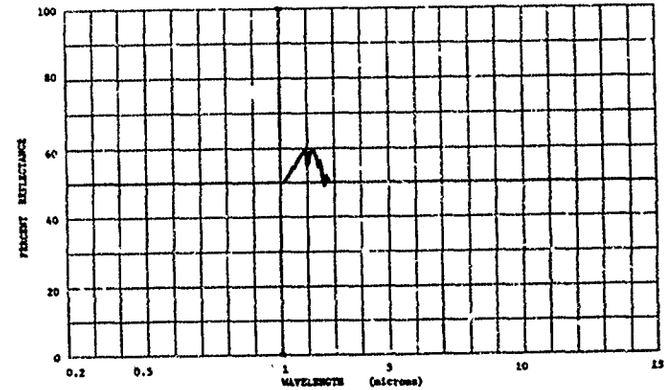
PARAMETER INFORMATION
DATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



20000-346 PORTLAND CEMENT, LARGE AGGREGATE, NOT WEATHERED.

SUBJECT CODES
AEG CCA CED CFAA CFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



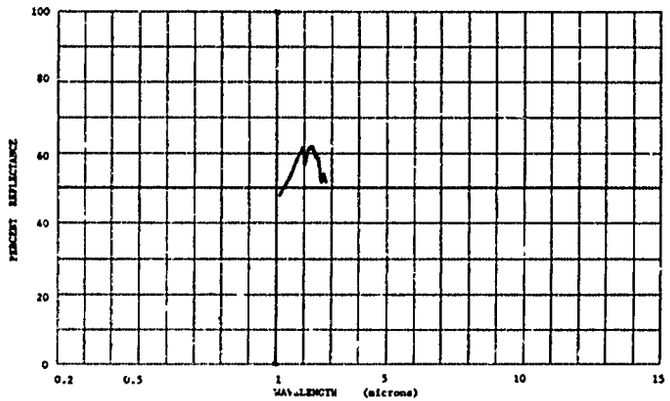
AEG 3

B200CO-347 PORTLAND CEMENT, SMALL AGGREGATE, NOT WEATHERED.

SUBJECT CODES
AEG CDA CED CFAA CFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

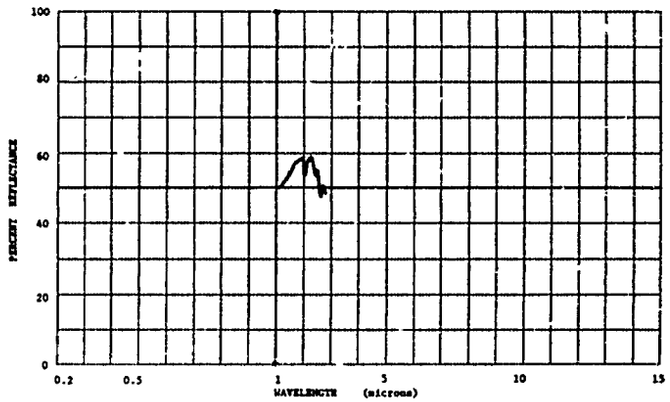


B200CO-348 PORTLAND CEMENT, LARGE AGGREGATE, NOT WEATHERED.

SUBJECT CODES
AEG CDA CED CFAA CFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



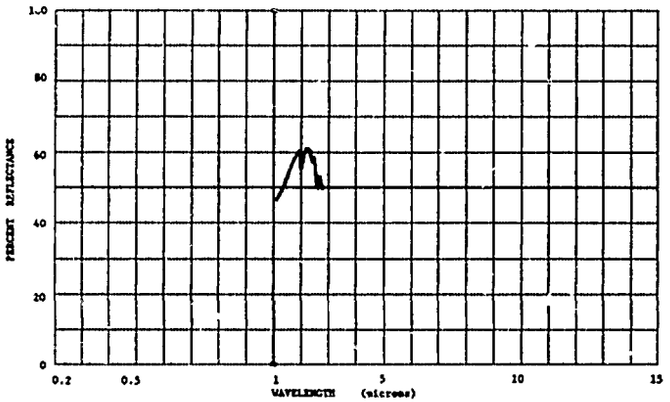
AECS

B200CO-349 PORTLAND CEMENT, SMALL AGGREGATE, NOT WEATHERED.

SUBJECT CODES
AEG CDA CED CFAA CFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 9 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

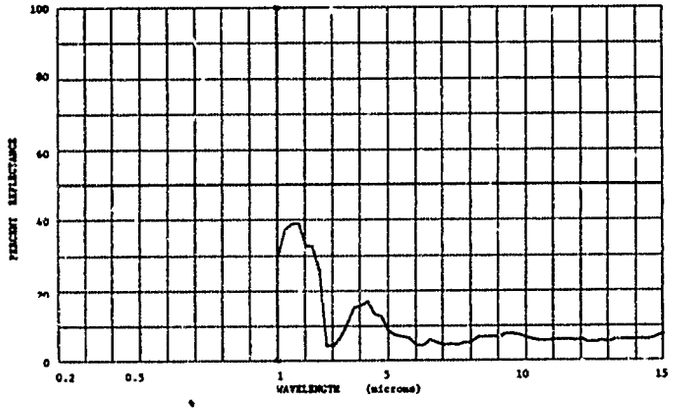
TEMP= DEW PT N AVE= 1



803231-001 DIRT (DARK), DUSTED ON SODIUM SILICATE.

SUBJECT CODES
AEH CDC CED DFA DK ECCA ECCB ECCC ECCD ECCE

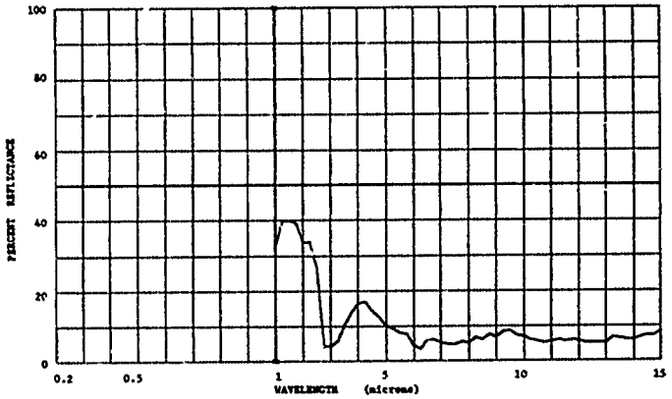
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= 5.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803231-003 DIRT (LIGHT), DUSTED ON SODIUM SILICATE.

SUBJECT CODES
AEH CDC CED DFA DK ECCA ECCB ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= 5.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

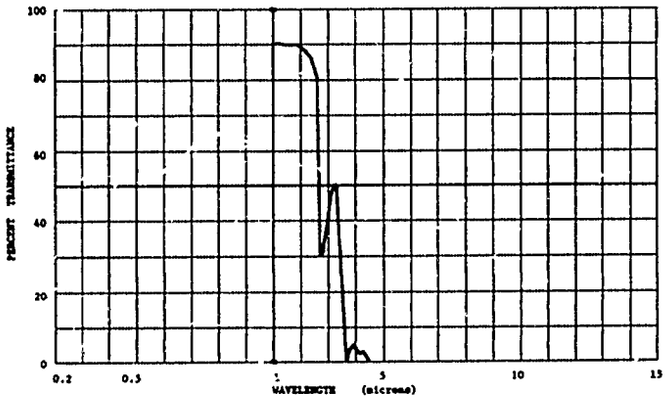


803355-004 CORNING PYREX GLASS, 2 MM. THICKNESS

SUBJECT CODES
AEJ ECCA ECCB ECCC DI CED

PARAMETER INFORMATION

DATE=	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
OBST=	TTEMP=	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=	DEW PT	N AVE=			

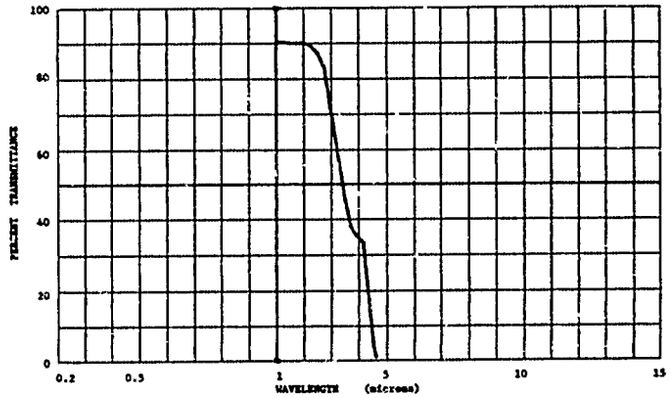


803355-005 CORNING 016C GLASS, 2 MM. THICKNESS

SUBJECT CODES
AEJ ECCA ECCB ECCC DI CED

PARAMETER INFORMATION

DATE=	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
OBST=	TTEMP=	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=	DEW PT	N AVE=			

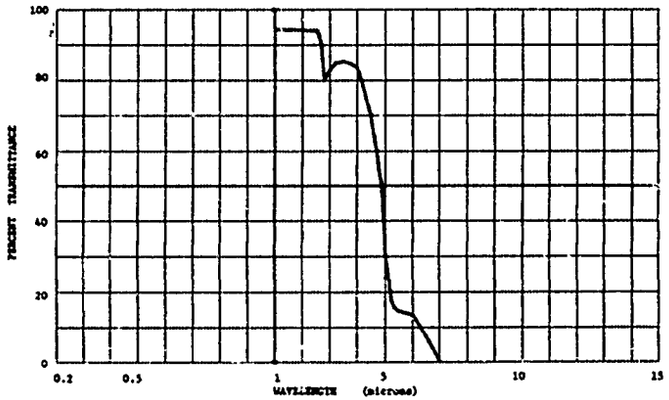


803355-006 MICROSCOPE COVER GLASS .010 INCH THICKNESS

SUBJECT CODES
AEJ ECCA ECCB ECCC ECCD DI CED

PARAMETER INFORMATION

DATE=	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
OBST=	TTEMP=	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=	DEW PT	N AVE=			

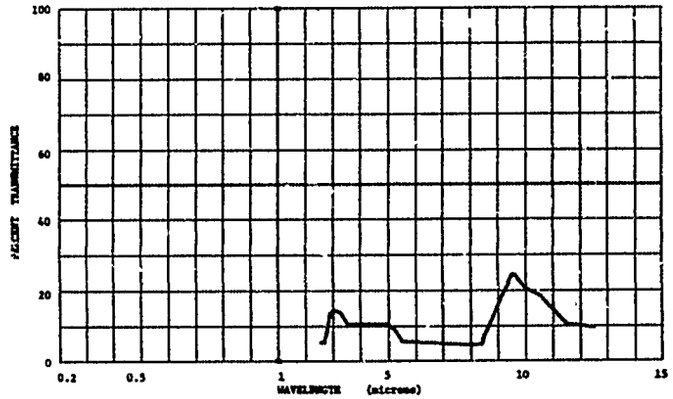


804011-001 SHEET OF LOW-IRON FLINT GLASS AT 540C (MC-MAHON)

SUBJECT CODES
AEJ CD CED DI DK ECCB ECCC ECCD
ECCE

PARAMETER INFORMATION

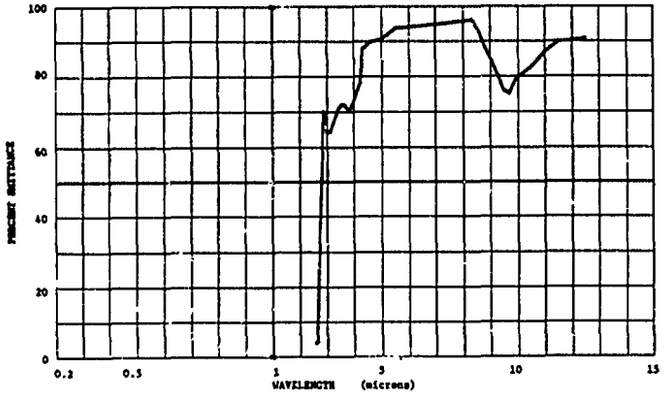
DATE= 58	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
OBST=	TTEMP=540.0	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=	DEW PT	N AVE= 1			



804011-002 SHEET OF LOW IRON FLINT GLASS AT 540C (MC-MAHON)

SUBJECT CODES
AEJ CFE CED CJC CK ECCB ECCC ECCD ECCE

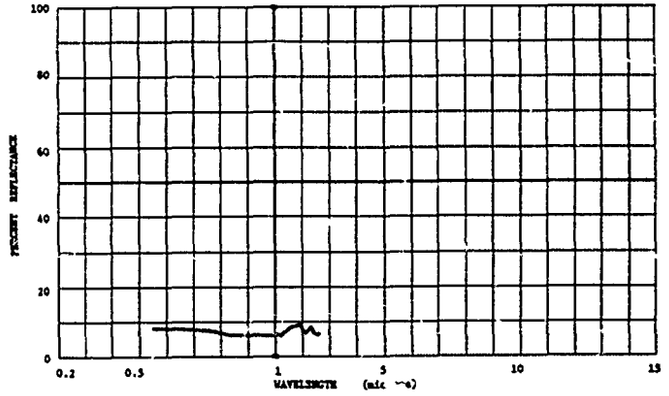
PARAMETER INFORMATION
CATE= 58 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IL= IAZ= CN= CAZ= IRR= E
CBST= TTB /P=540.0WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804809-038 CERAMICS, PLATEGLASS, .121 IN. THICK.

SUBJECT CODES
AEJ CC CEC CFA CK ECAC ECB ECCA ECCB

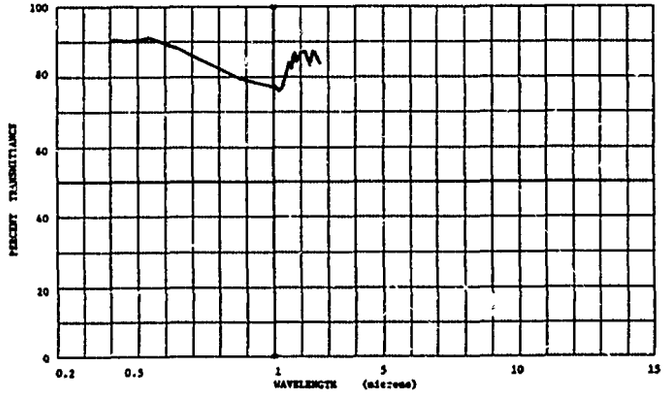
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS AF= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804809-039 CERAMICS, PLATEGLASS, .121 IN. THICK.

SUBJECT CODES
AEJ CC CEC CIA CK ECAC ECB ECCA ECCB

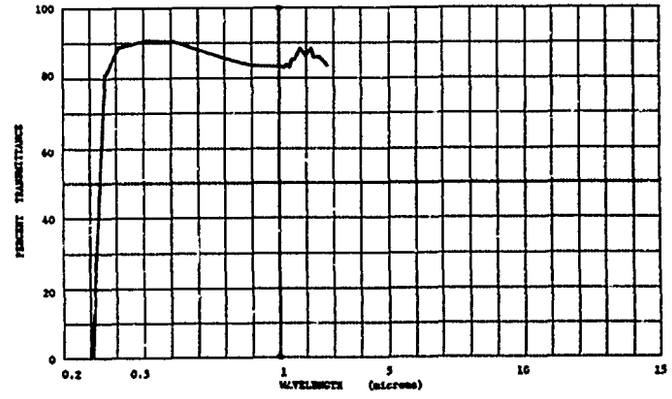
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804808-027 SINGLE STRENGTH SODIUM WINDOW GLASS.

SUBJECT CODES
AEJ CC CEC CIA CK ECAC ECB ECCA ECCB

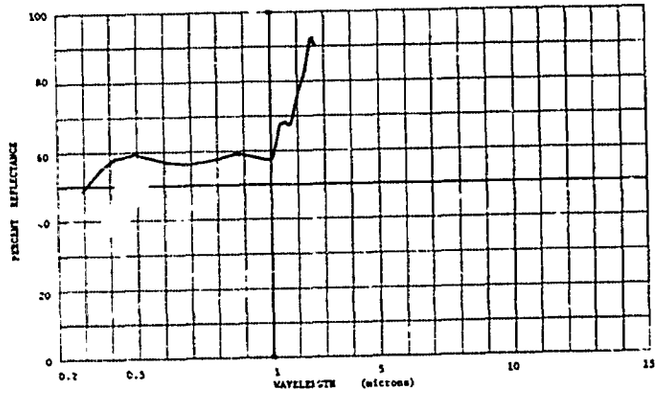
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8038C4-001 CHROMIUM (ELECTROPLATED).

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

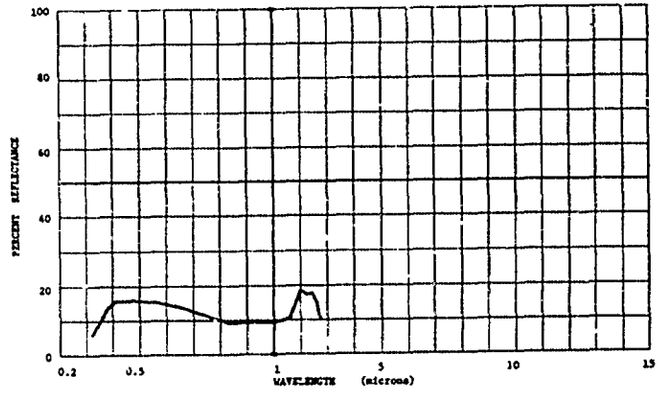
PARAMETER INFORMATION
CATE= SB TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVG= 1



8038C4-002 ARMCO INGOT IRON, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

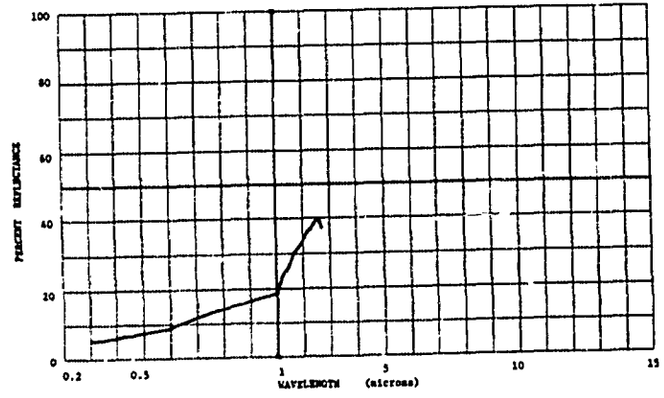
PARAMETER INFORMATION
CATE= SB TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVG= 1



8038C4-003 STAINLESS STEEL, TYPE AM 350, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA CCCB

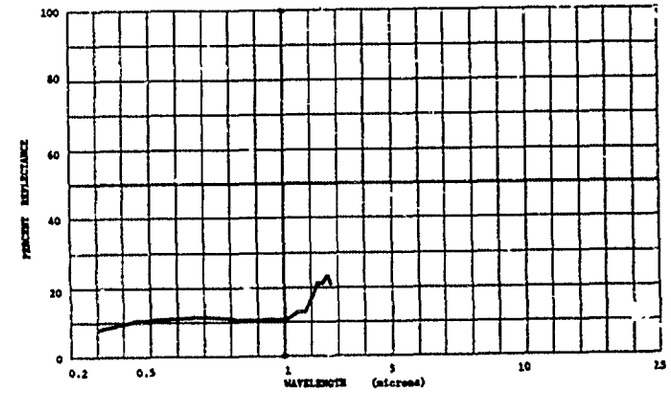
PARAMETER INFORMATION
CATE= SB TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVG= 1



4-004 STAINLESS STEEL, TYPE 321, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA CCCB

PARAMETER INFORMATION
CATE= SB TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVG= 1

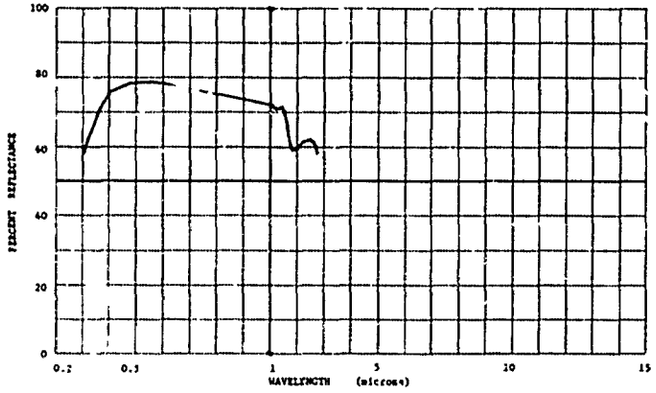


AEL 1

BC38C4-005 MOLYBDENUM COATED WITH BORIDE, AS RECEIVED FROM SUPPLIER.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

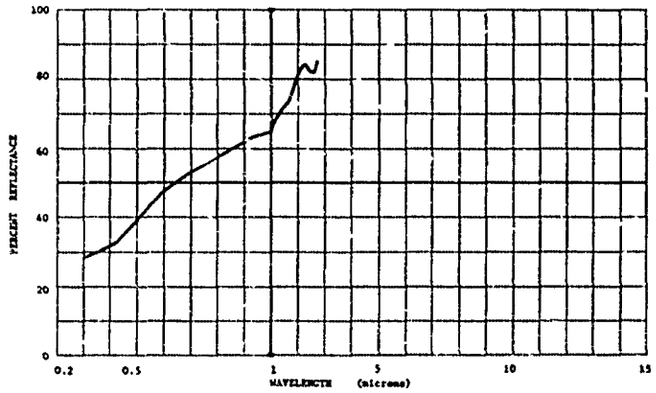
PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC38C4-006 INCONEL X, POLISHED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

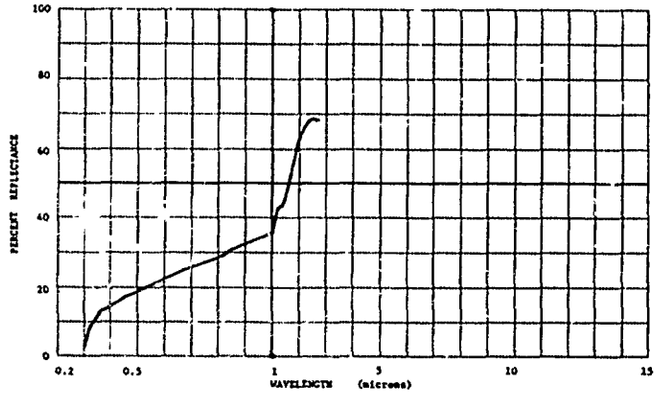
PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC38C4-007 INCONEL X, CLEANED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

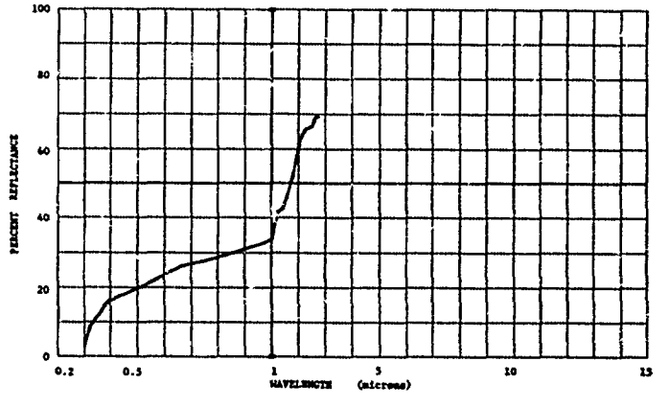
PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC38C4-008 INCONEL X, AS RECEIVED FROM SUPPLIER.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

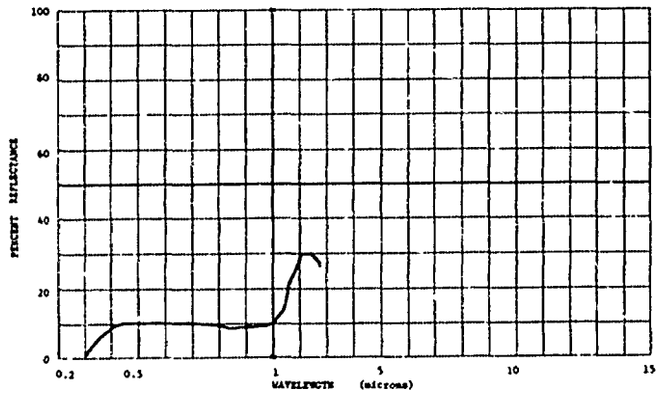


AEL 8

B038C4-009 INCONEL X, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

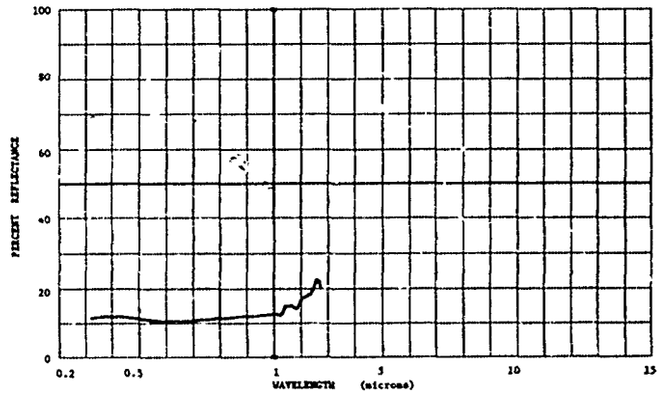
PARAMETER INFORMATION
DATE= SR TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



B038C4-010 HASTELLOY B, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SR TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= S=
TEPP= DEW PT= H AVE= 1



B038C4-011 TITANIUM ALLOY CLEAN, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SR TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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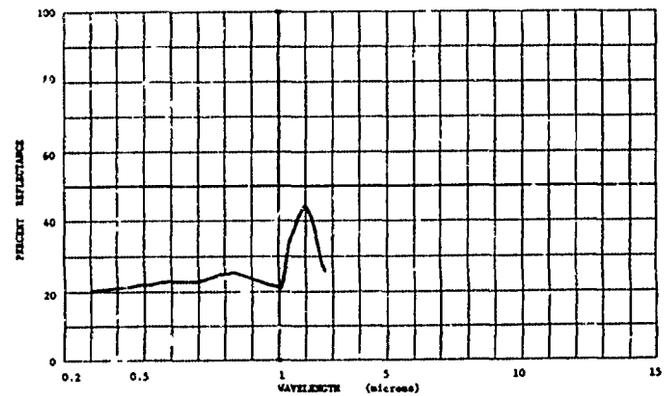
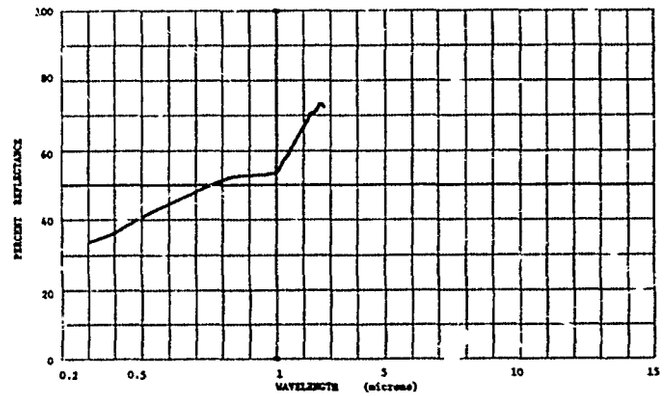


B038C4-012 TITANIUM ALLOY 6AL-4V, POLISHED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

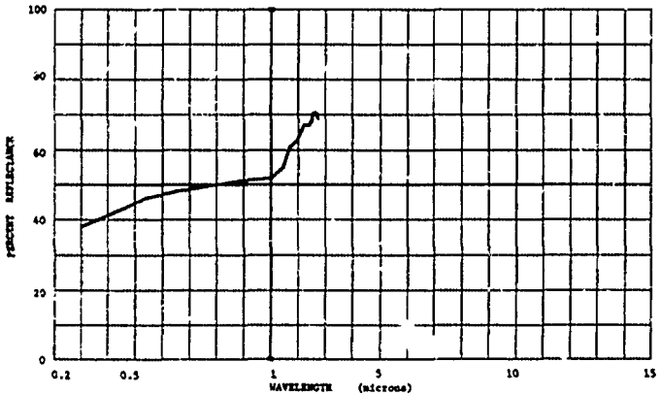
PARAMETER INFORMATION
DATE= SR TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



8038C4-013 TITANIUM ALLOY 6AI-4V, CLEANED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

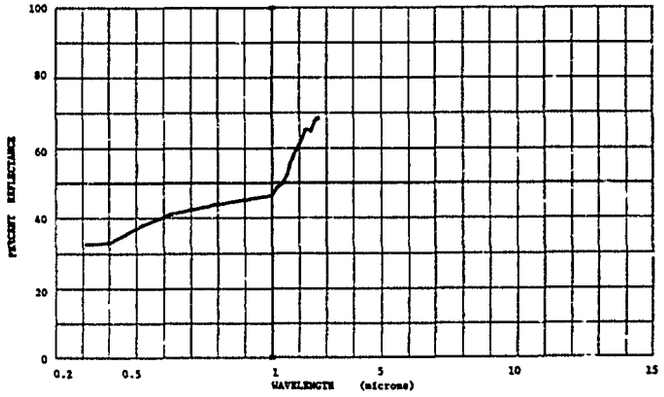
PARAMETER INFORMATION
CATE= SR TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8038C4-014 TITANIUM ALLOY 6AI-4V, AS RECEIVED FROM SUPPLIER.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

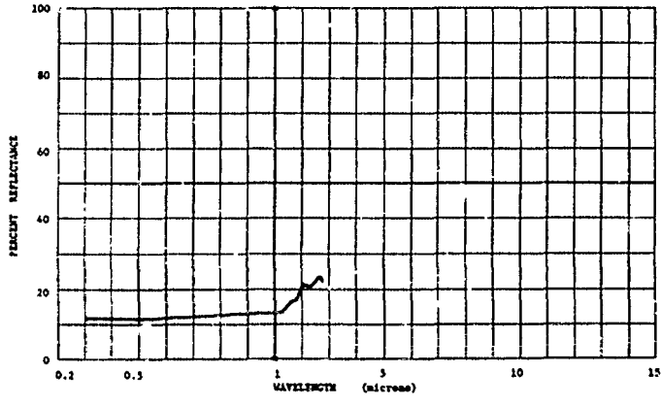
PARAMETER INFORMATION
CATE= SR TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8038C4-015 TITANIUM ALLOY 6AI-4V, OXIDIZED.

SUBJECT CODE
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

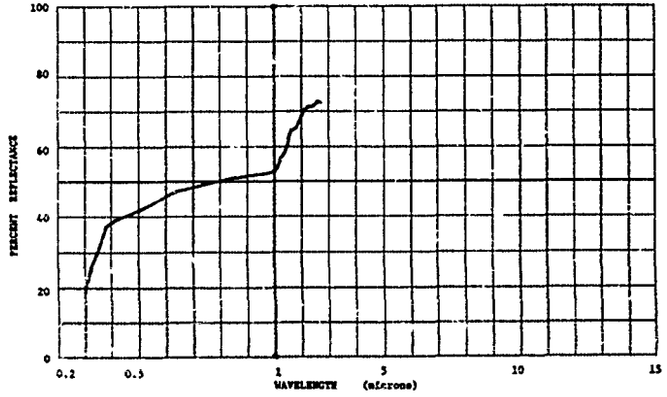
PARAMETER INFORMATION
CATE= SR TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8038C4-016 TITANIUM ALLOY 6AI10A7, POLISHED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

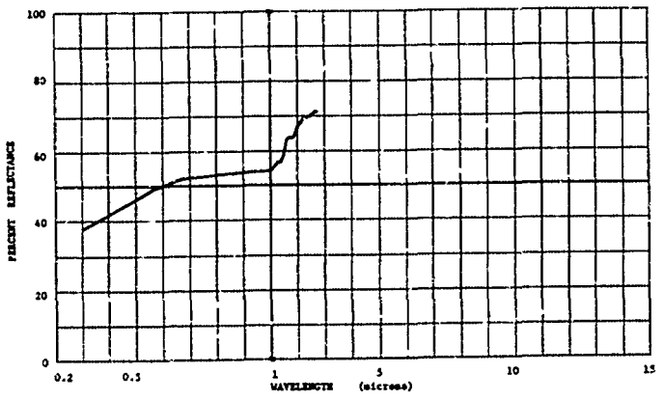
PARAMETER INFORMATION
CATE= SR TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803804-017 TITANIUM ALLOY 6AL1OAT, CLEANED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

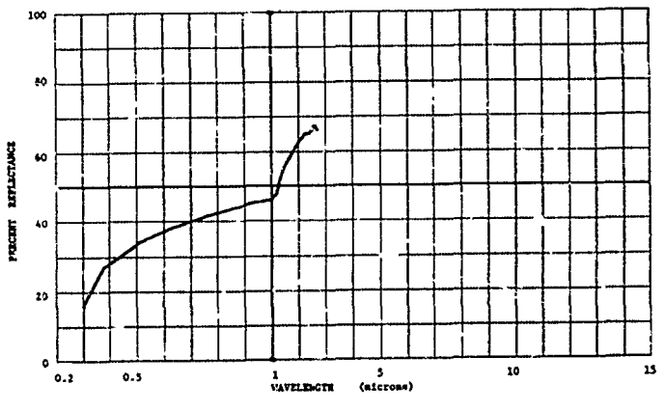
PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803804-018 TITANIUM ALLOY ALLOAT, AS RECEIVED FROM SUPPLIER.

SUBJECT CODES
AEL CC CEC DFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803804-019 TITANIUM ALLOY ALLOAT, OXIDIZED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
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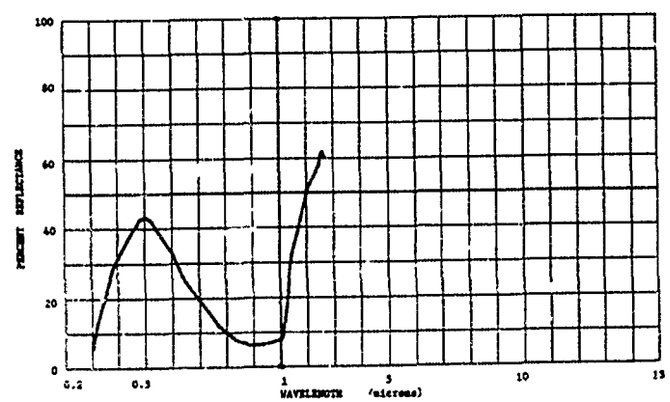
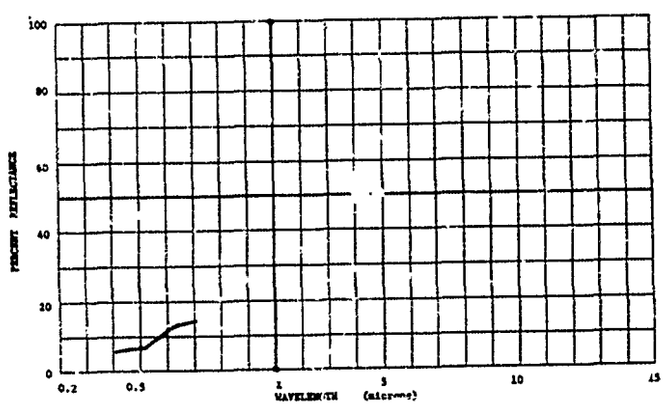


804442-012 RSC RUST ON MILD STEEL.

SUBJECT CODES
AEL CC CED CFAA CK ECB

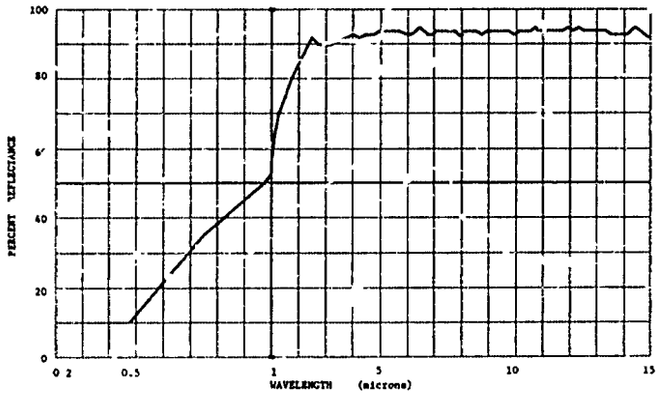
PARAMETER INFORMATION
DATE= SB TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



804979-013 BRASS PLATED ON POLISHED COPPER.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

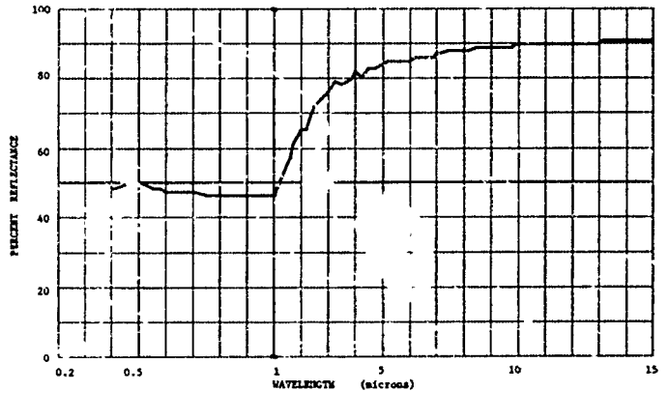
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-014 CHROME PLATED ON STAINLESS STEEL AS ROLLED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

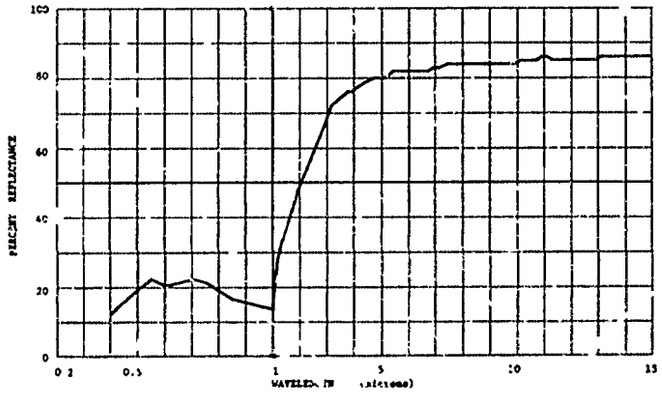
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-015 CHROMIUM PLATE (.1 MIL) ON .5 MIL NICKEL PLATE ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

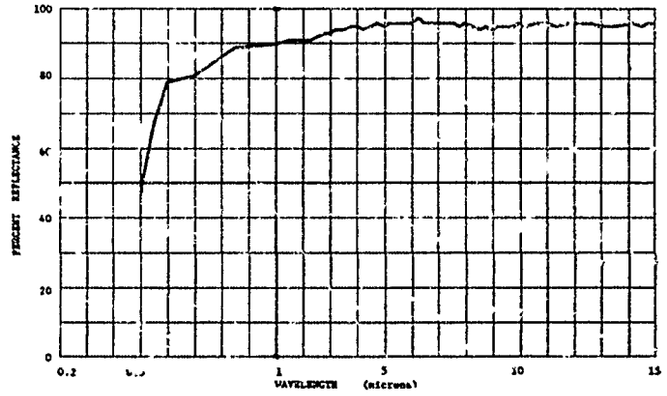
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-016 POLISHED COPPER, 17 MILS THICK.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

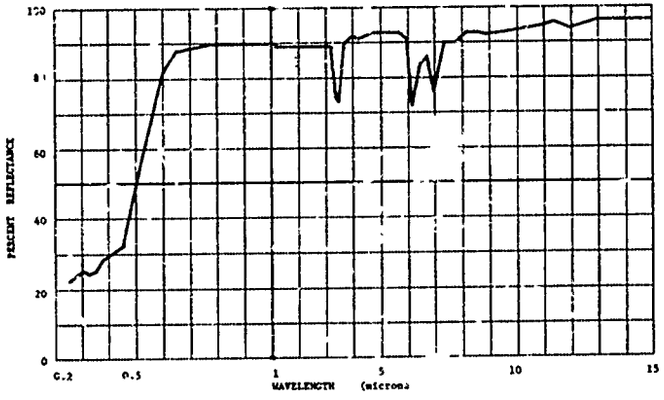


AEL 6

804979-017 IMMERSION GOLD APPROX .07 MIL [illegible] NICKEL PLATED COPPER PLATE ON POLISHED ALUMINUM

SUBJECT CODES
AEL CC CEC CFA [illegible] ECAD ECB ECCA ECCB ECCC
ECCC ECCE

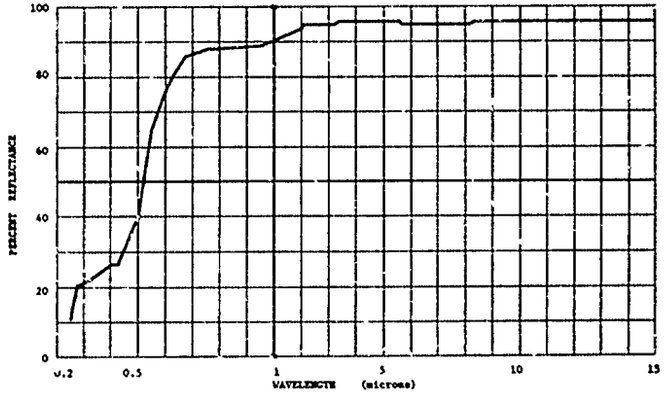
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIPL DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-018 VACUUM EVAPORATED GOLD ON FIBERGLASS LAMINATE.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

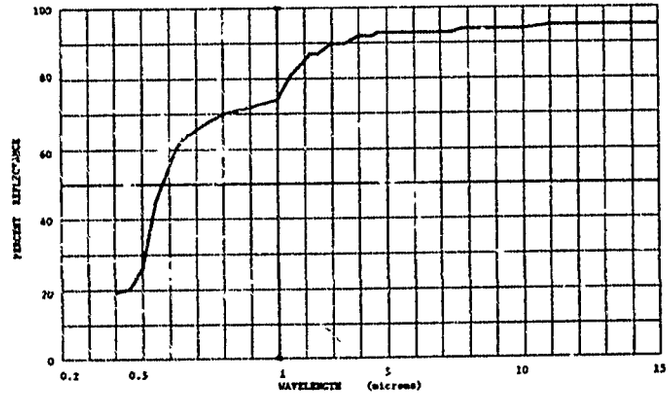
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-019 GOLD ASH (8C MICRONS) ON .4 MIL SILVER ON EPOXY GLASS.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

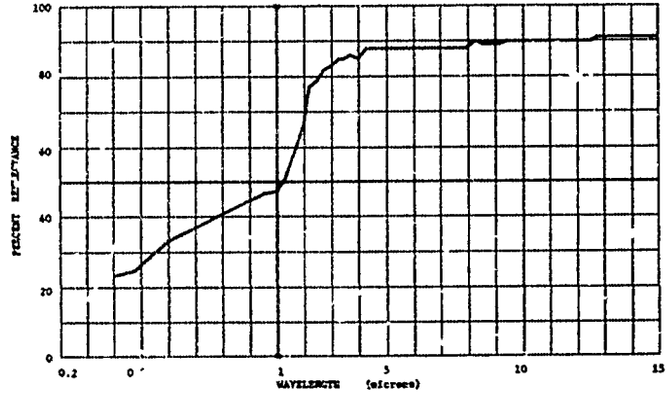
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-020 WHITE GOLD ON POLISHED STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

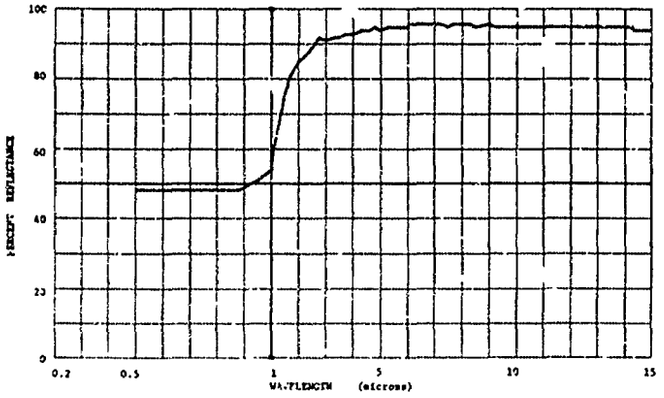


AEL 7

804979-021 MOLYBDENUM, POLISHED, 5 MILS ON POLISHED ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

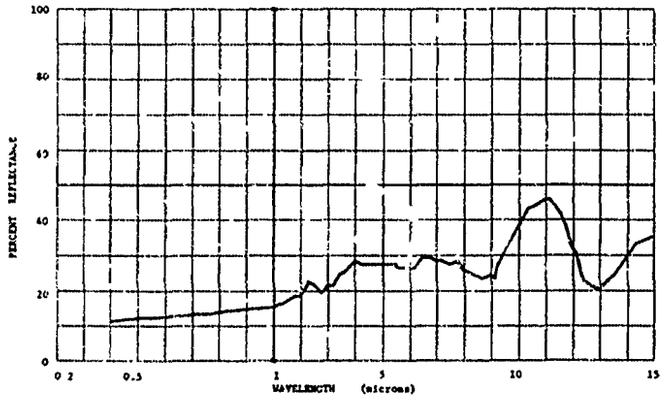
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-023 INCONEL X.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

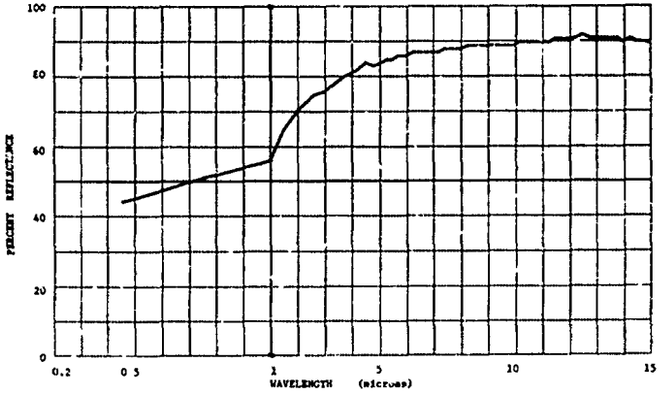
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-025 KOVAR, 21 MILS, COMMERCIAL FINISH.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

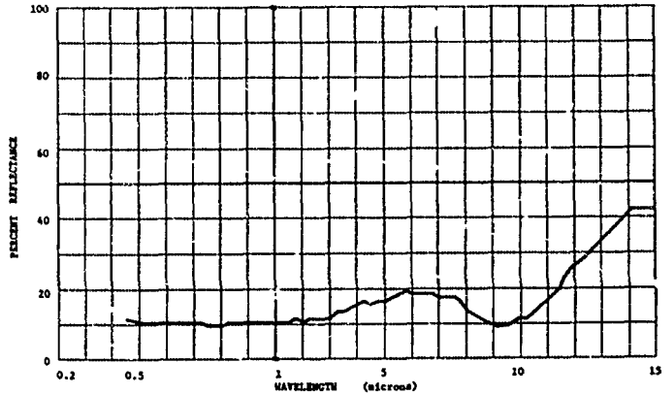
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-024 INCONEL X.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

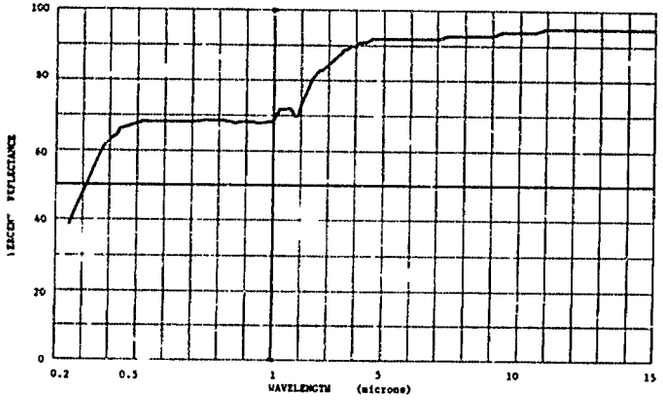


A2L.6

804979-025 MAGNESIUM-THORIUM AS RECEIVED.

SUBJECT CODES
AEL CE CEC CFA CK ECAC FCB ECCA ECCB ECCC
ECCC ECCE

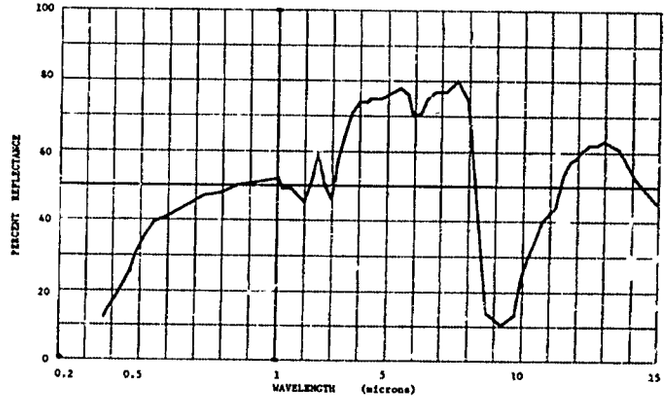
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-026 DOW 17 COATED ON MAGNESIUM AZ 31.

SUBJECT CODES
AEL CE CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

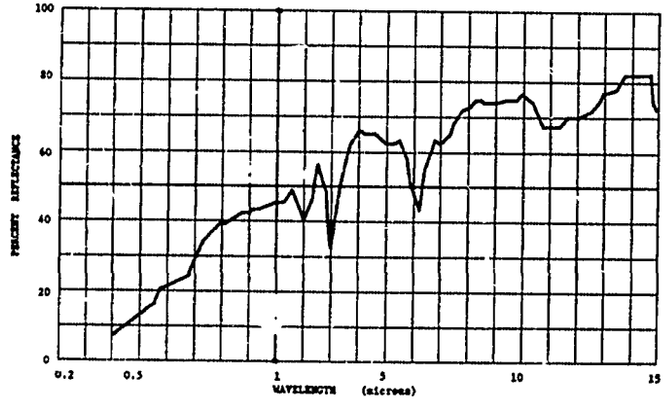
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-027 DOW 7, CHROPATE ON MAGNESIUM

SUBJECT CODES
AEL CE CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

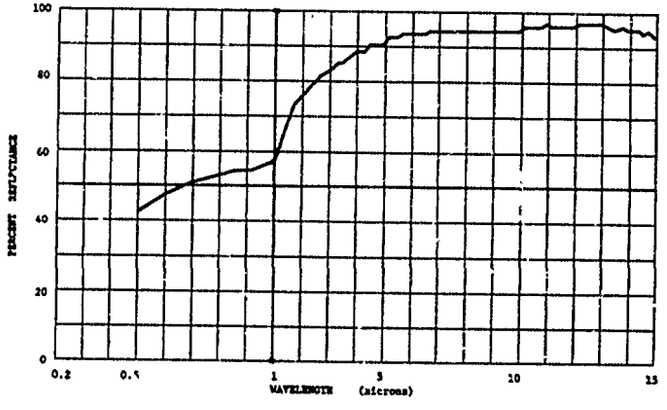
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-028 PURE NICKEL, POLISHED, 19 MILS.

SUBJECT CODES
AEL CE CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= F
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

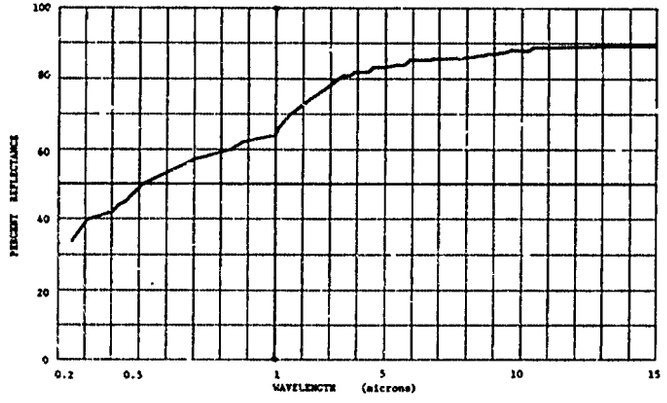


AEL 9

804979-029 ELECTROLESS NICKEL PLATE APPROX. 1 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC FCB ECCA ECCB ECCC
ECCD ECCE

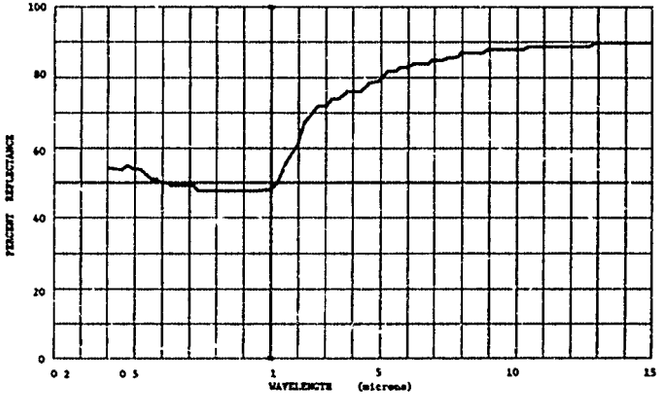
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-030 NICKEL-CHROPE ON STAINLESS STEEL AS ROLLED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

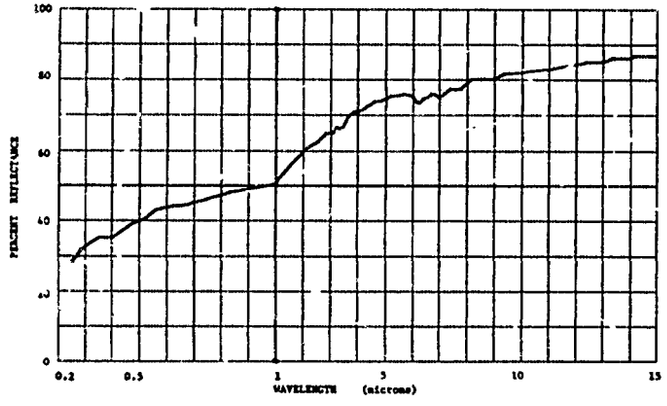
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-031 ELECTROLESS NICKEL PLATE, 1 MIL ON ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

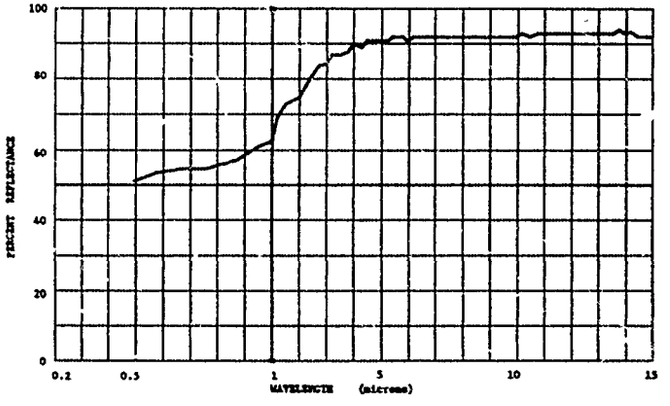
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-032 PLATINUM, 4 MILS, ON POLISHED ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

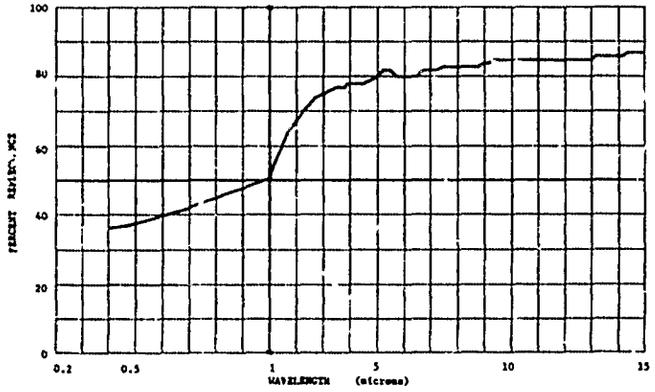
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-033 PLATINUM ON POLISHED STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAD ECB ECCA ECCB ECCC
ECCC ECCE

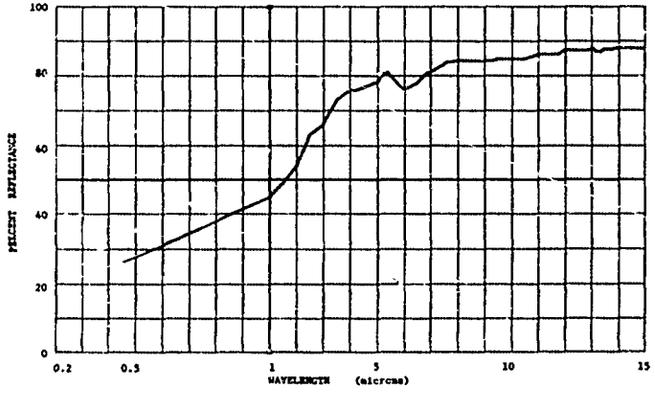
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-034 PLATINUM ON STAINLESS STEEL HEAT TREATED AT 1000 F.

SUBJECT CODES
AEL CC CEC CFA CK ECAD ECB ECCA ECCB ECCC
ECCC ECCE

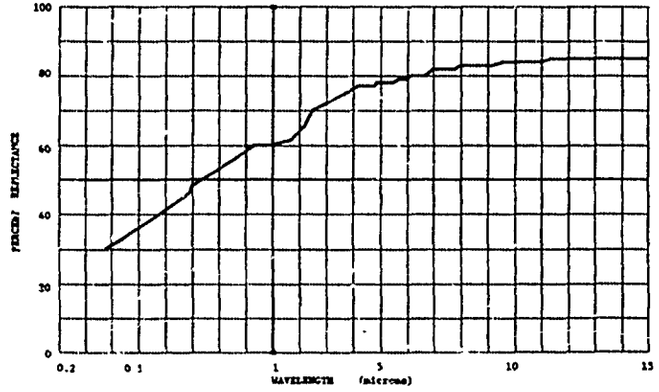
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-035 PLATINUM ON SAND BLASTED STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAD ECB ECCA ECCB ECCC
ECCC ECCE

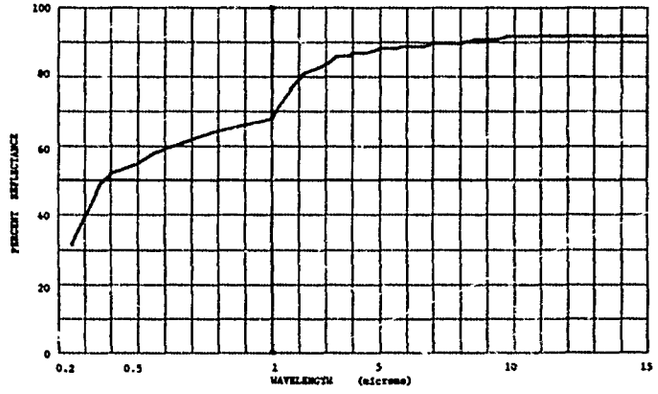
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-036 RHODIUM PLATE .03 MIL ON NICKEL ON COPPER ON ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAD ECB ECCA ECCB ECCC
ECCC ECCE

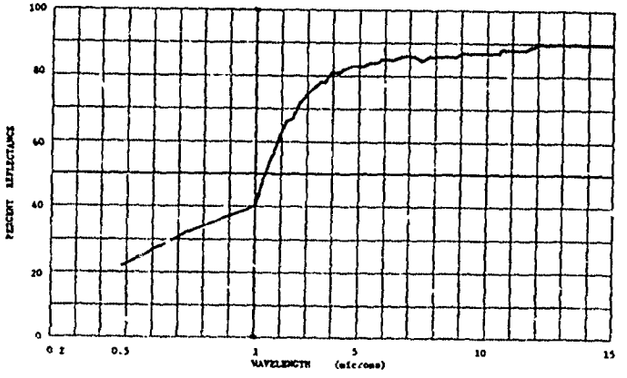
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-037 PALLADIUM PLATED .05 MIL ON .5 MIL SILVER PLATE ON .5 MIL NICKEL PLATED ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

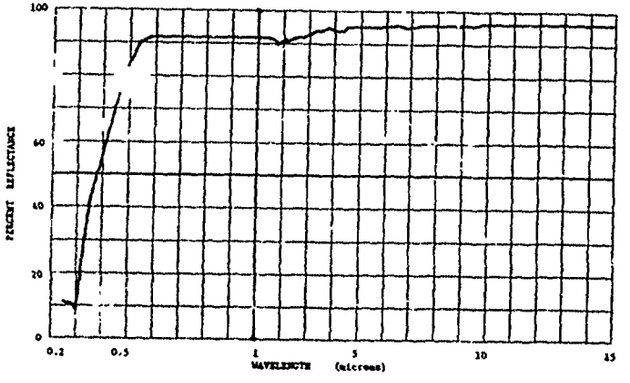
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR=
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-039 SILVER EVAPORATED .1 MIL, 30 MINUTE DEPOSIT TIME ON POLISHED ALUMINUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

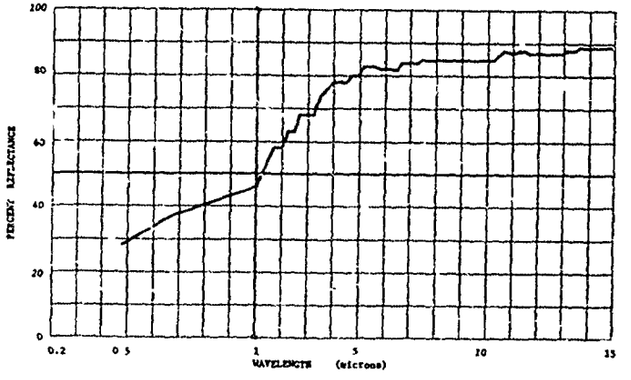
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR=
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-038 RHODIUM FLASH .02 MIL ON NICKEL PLATE .5 MIL ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

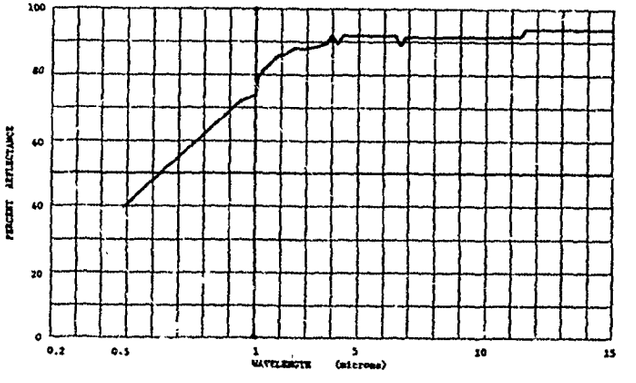
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR=
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



804979-040 CHROMATE DIPPED 5 MIL SILVER PLATED ON 5 MIL NICKEL ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR=
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1

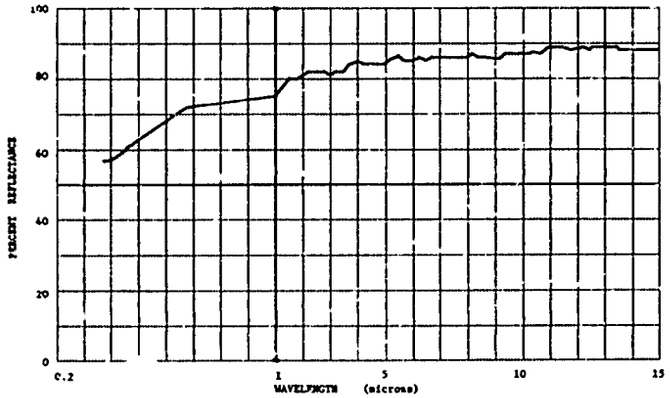


AEL 12

804979-041 SILVER, PLATED ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

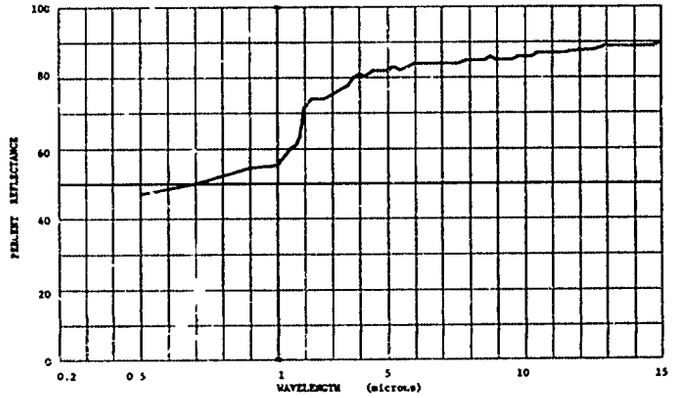
PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-042 ARMCO STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

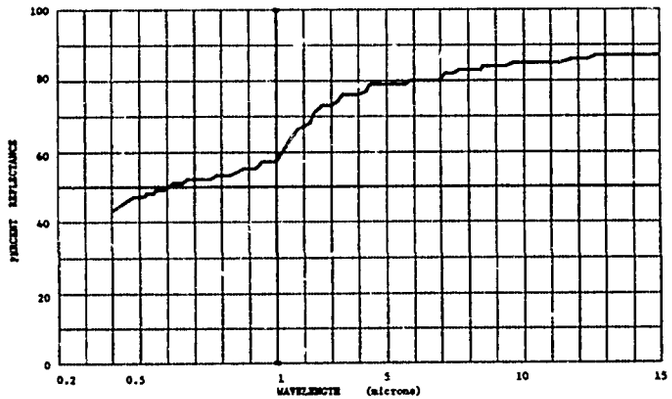
PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-043 FULL HARD STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC ECAC ECB ECCA ECCB ECCC
ECCC ECCE

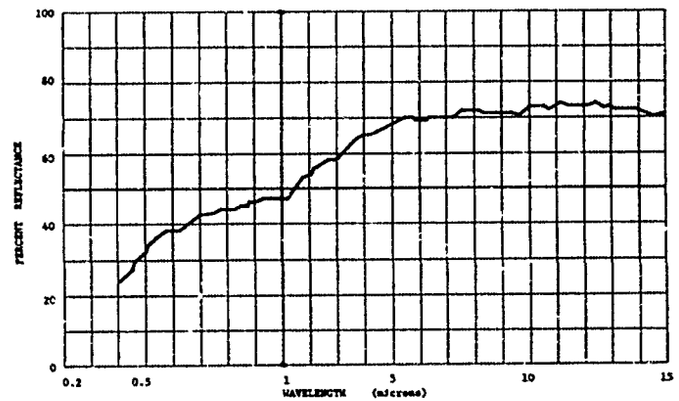
PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-044 STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

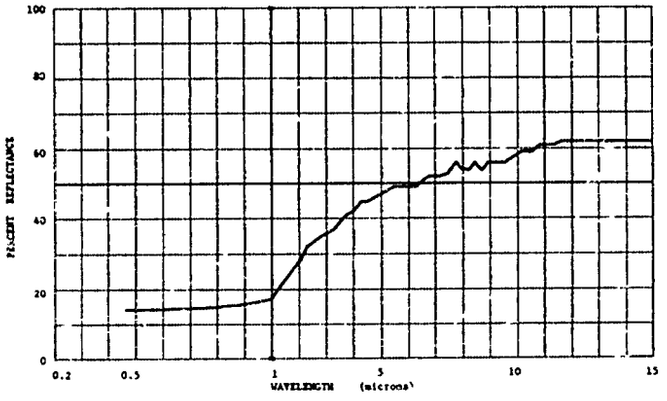


AEL 13

804979-045 ARMCO STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

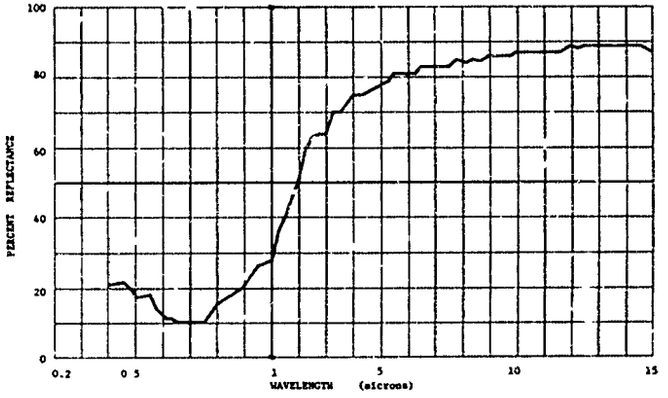
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-046 STAINLESS STEEL, SMOOTH.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

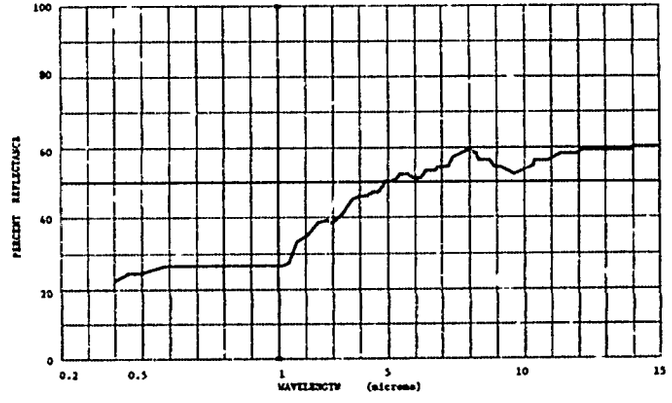
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-047 STAINLESS STEEL, BARE, CLEAN.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-048 STAINLESS STEEL, SAND BLASTED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TEPP= WIND SP= WIND DI= CLD= VIS=
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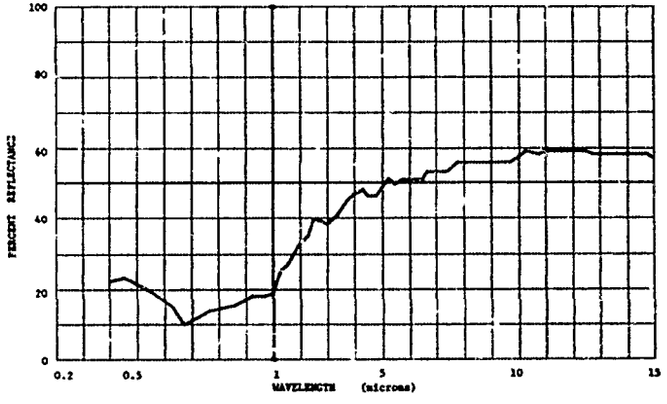
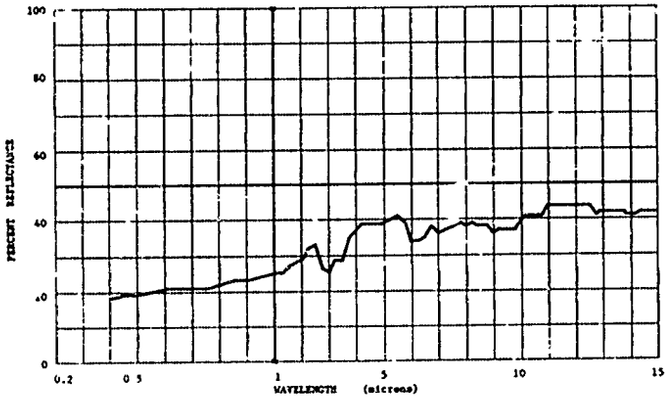


AEL 14

804979-049 STAINLESS STEEL, SAND BLASTED.

SUBJECT CODES
AEL CC CEC CFA DK ECAC FCB ECCA ECCB ECCC
ECCD ECCE

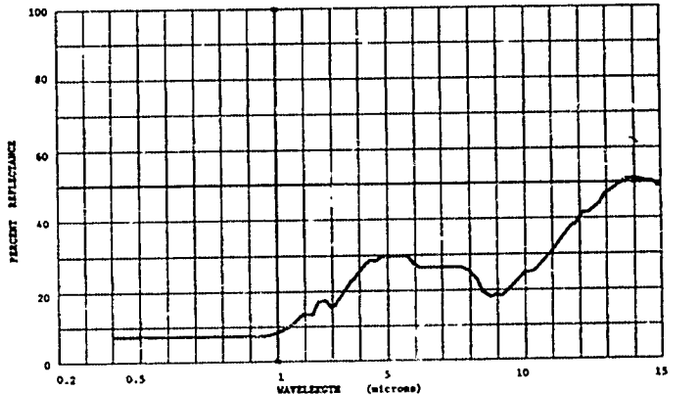
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-050 BLACK OXIDE COATING ON STAINLESS STEEL.

SUBJECT CODES
AEL ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

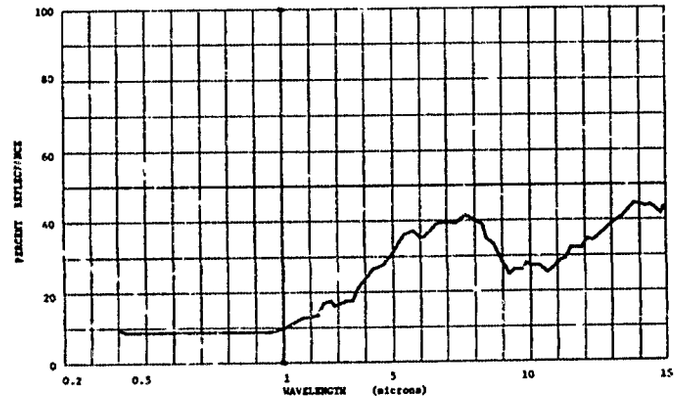
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-051 BLACK OXIDE COATING ON STAINLESS STEEL.

SUBJECT CODES
AEL ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

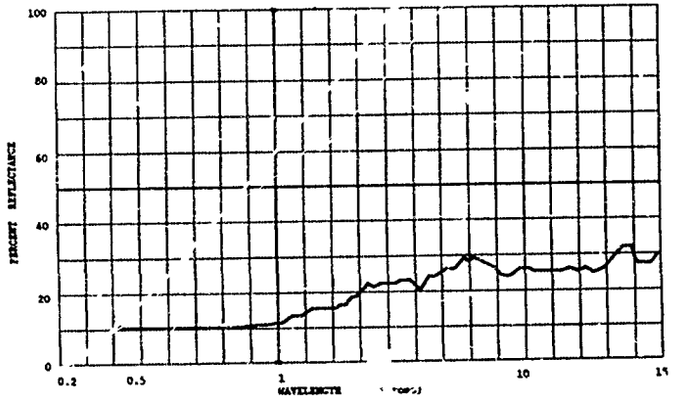
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-052 BLACK OXIDE COATING ON STAINLESS STEEL.

SUBJECT CODES
AEL ECBBL CD CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

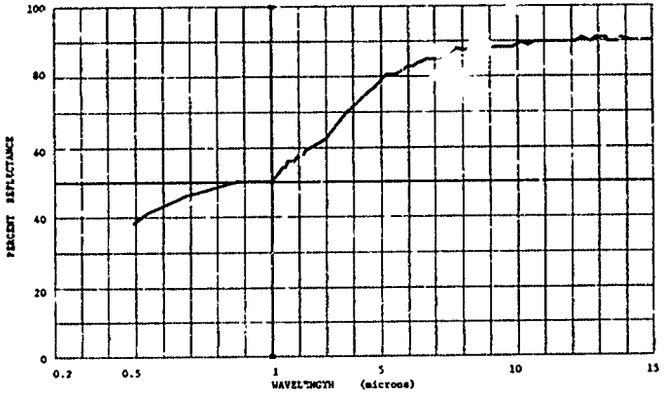


A2L 15

804979-053 TITANIUM, 40 MIL, HIGHLY POLISHED.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

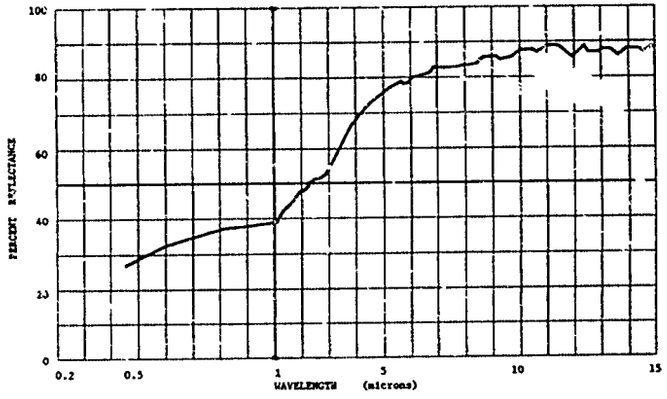
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-054 TITANIUM, 40 MIL, COMMERCIAL FINISH.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

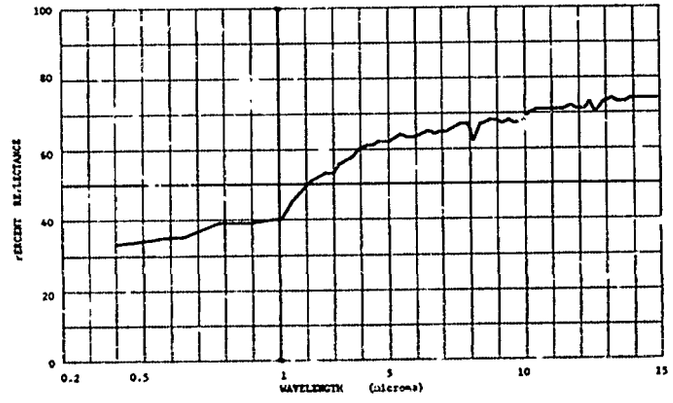
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-055 TITANIUM ALLOY.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

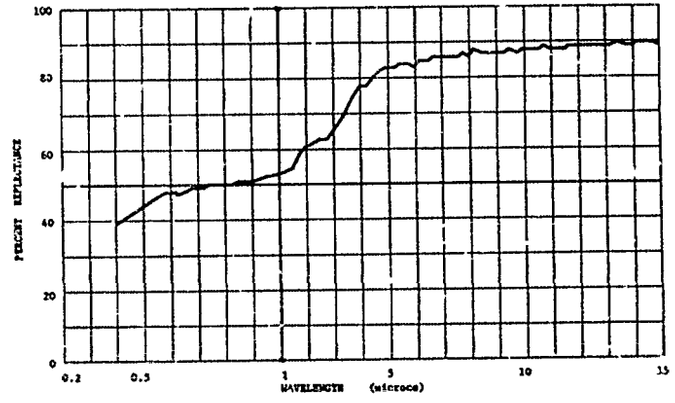
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-056 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

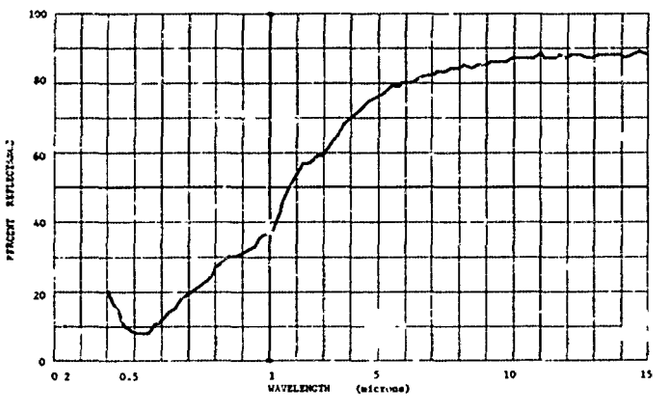


AEL 18

804979-057 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

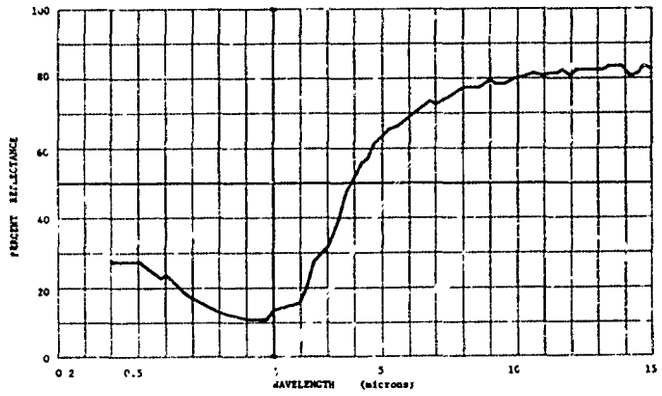
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-058 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

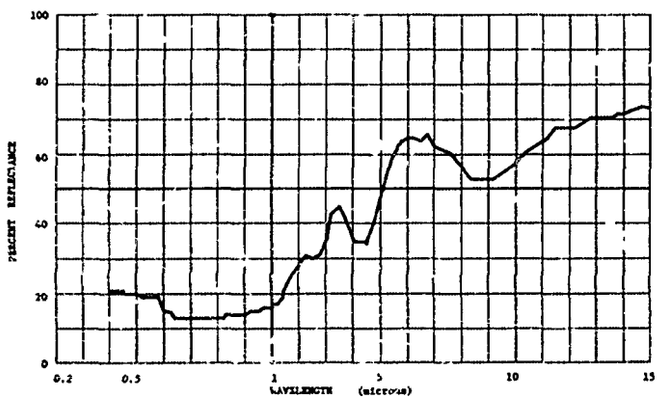
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-059 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

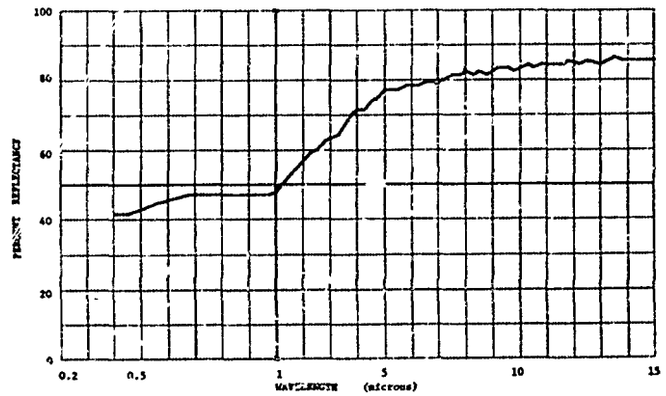
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-060 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB CCCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

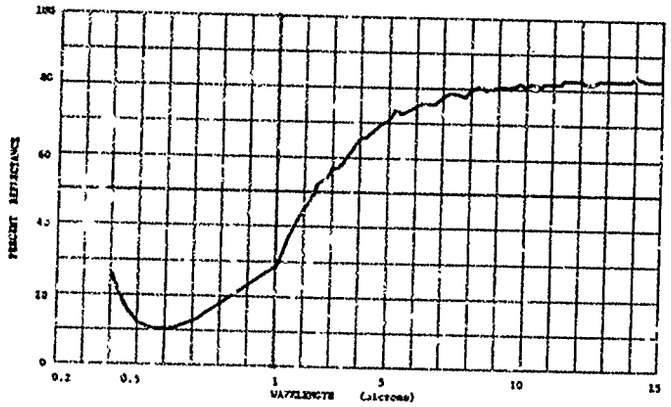


AEL 17

804979-061 TI ANISUR.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

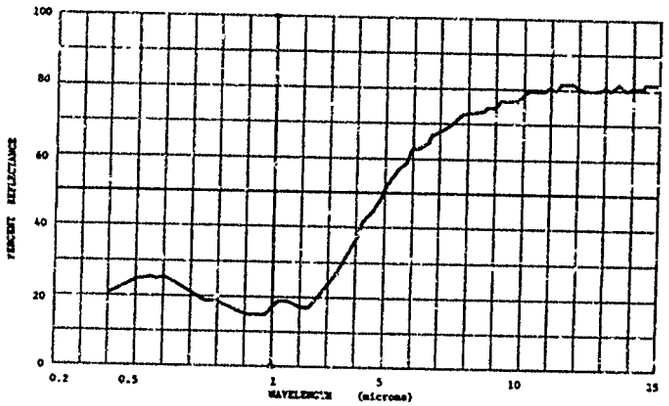
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RF= IN= IAZ= CN= CAZ= IRR=
CBST= TTCPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804979-062 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

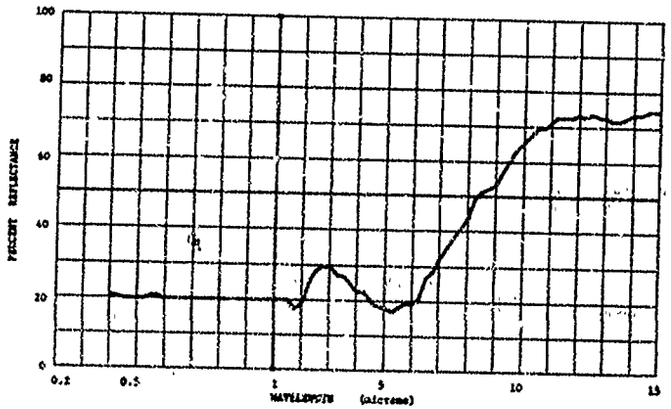
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RF= IN= IAZ= CN= CAZ= IRR=
CBST= TTCPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804979-063 TITANIUM.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

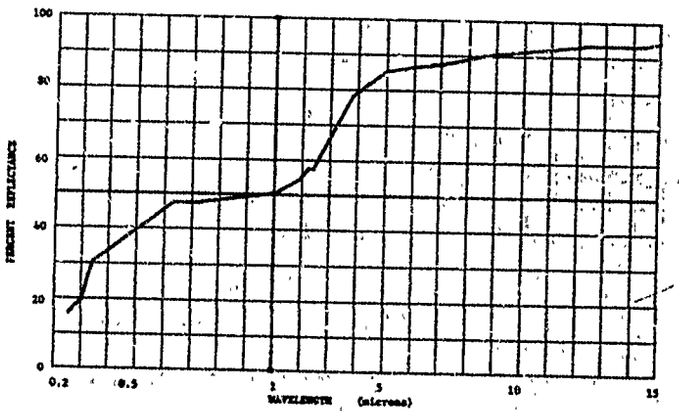
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RF= IN= IAZ= CN= CAZ= IRR=
CBST= TTCPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



904979-064 TITANIUM VAPOR COATED ON SHINY SIDE OF ALUMINUM FOIL.

SUBJECT CODES
AEL CC CEC CFA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RF= IN= IAZ= CN= CAZ= IRR=
CBST= TTCPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1

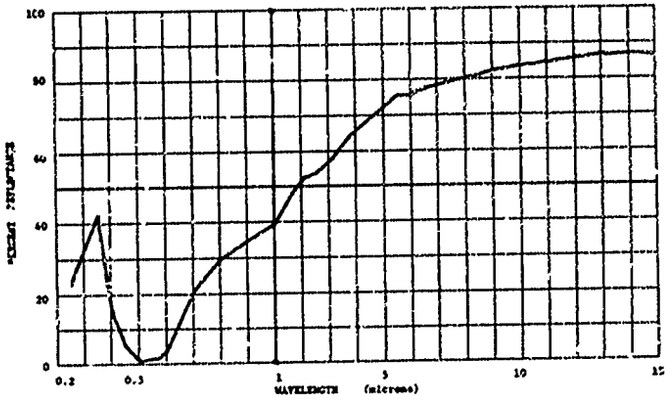


AEL 18

804979-065 TITANIUM VAPOR COATED ON SHINY SIDE OF ALUMINUM FOIL.

SUBJECT CODES
AEL CC CEC CPA CK ECAL ECB ECCA ECCB ECCC
ECCC ECCE

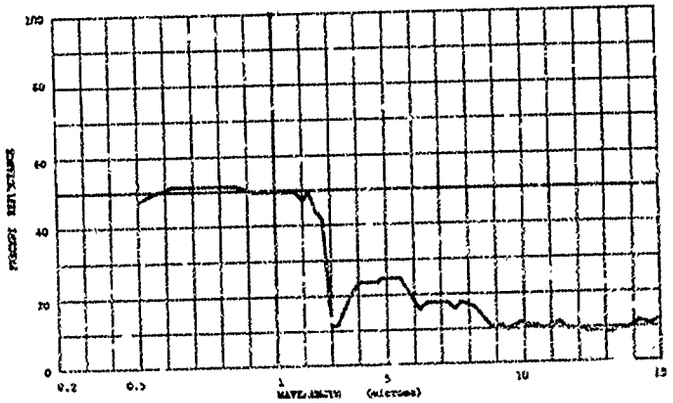
PARAMETER INFORMATION
CATE= SC TIME= LAT= LONG= ALT= RANGE=
CAVS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TYPPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-066 ANODIZED TITANIUM ON STAINLESS STEEL.

SUBJECT CODES
AEL CC CEC CPA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

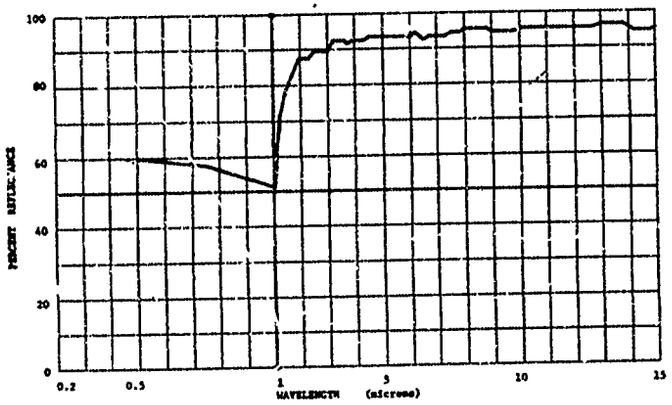
PARAMETER INFORMATION
CATE= SC TIME= LAT= LONG= ALT= RANGE=
CAVS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TYEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-067 POLISHED ZINC ON POLISHED ALUMINUM.

SUBJECT CODES
AEL CC CEC CPA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

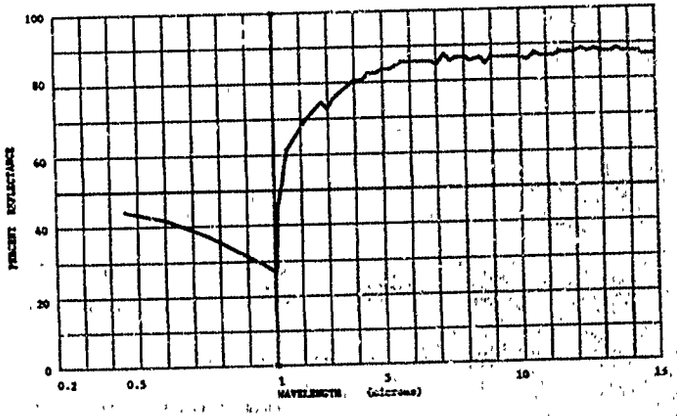
PARAMETER INFORMATION
CATE= SC TIME= LAT= LONG= ALT= RANGE=
CAVS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TYEPP= WIAC SP= WIND DI= CLD= VI=
TEPP= DEW PT= N AVE= 1



804979-069 GALVANIZED IRON, 22 MIL, COMMERCIAL FINISH.

SUBJECT CODES
AEL CC CEC CPA CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

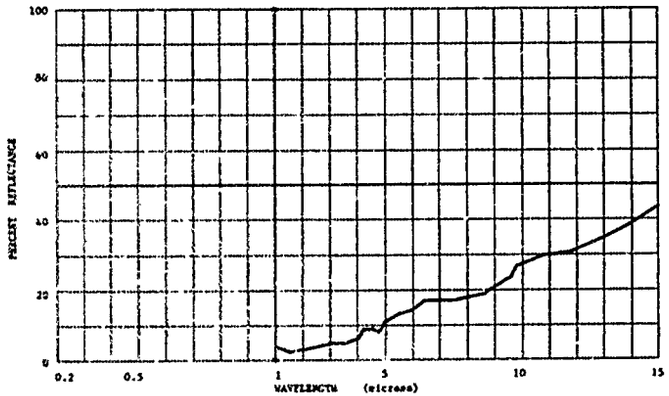
PARAMETER INFORMATION
CATE= SC TIME= LAT= LONG= ALT= RANGE=
CAVS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TYEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-072 CARBON BLACK, LIGHT COAT ON COPPER.

SUBJECT CODES
AEL ECBBL CC CEC CFA UK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

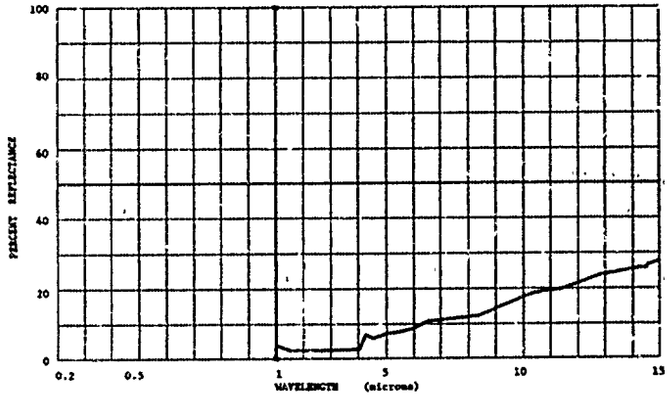
PARAMETER INFORMATION
DATE= 6C TYPE= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



804979-073 CARBON BLACK, HEAVY COAT ON COPPER.

SUBJECT CODES
AEL ECBBL CC CEC CFA CK ECAC ECB ECCA ECCB
ECCC ECCC ECCE

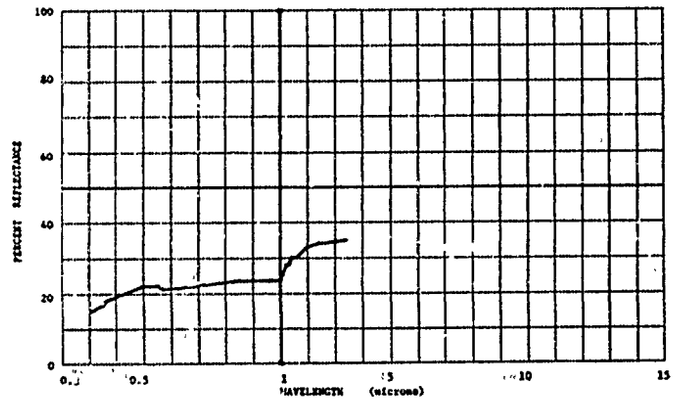
PARAMETER INFORMATION
DATE= 6C TYPE= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-125 SANDBLASTED STAINLESS STEEL TYPE 410.

SUBJECT CODES
AEL CCC CCE CFA CK ECAC ECB ECCA CCCB ECCC

PARAMETER INFORMATION
DATE= 6C TYPE= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 2C.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1

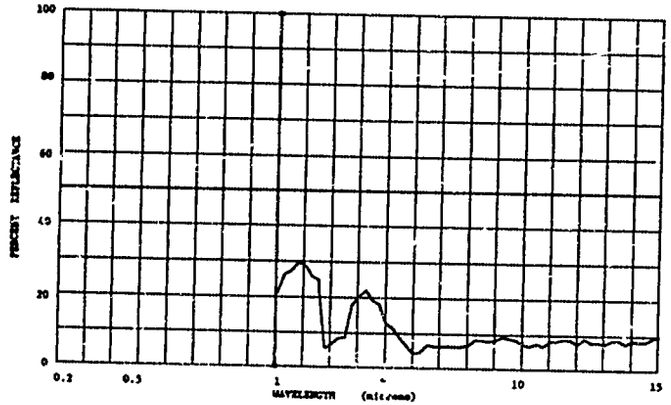


AEL 50

803231-002 DIRT (DARK). DUSTED ON FLAT BLACK PAINT.

SUBJECT CODES
AEH AEM ECBBL CDC DFA DK ECCA ECCB ECCC ECCD
ECCE CED

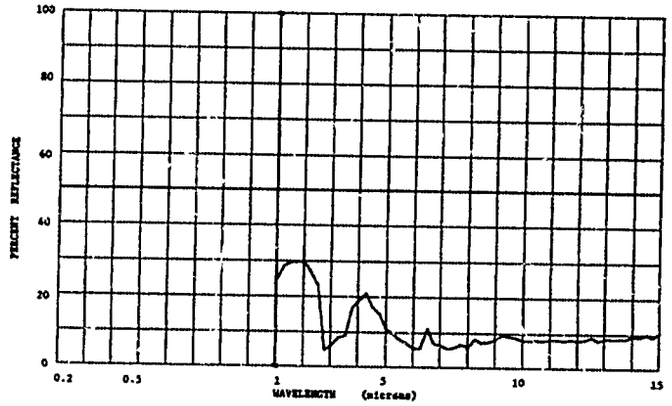
PARAMETER INFORMATION
DATE= 84 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= IAZ= CM= 5.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803231-004 DIRT (LIGHT). DUSTED ON FLAT BLACK PAINT.

SUBJECT CODES
AEH AEP ECBBL CDC CED DFA DK ECCA ECCB ECCC
ECCD ECCE

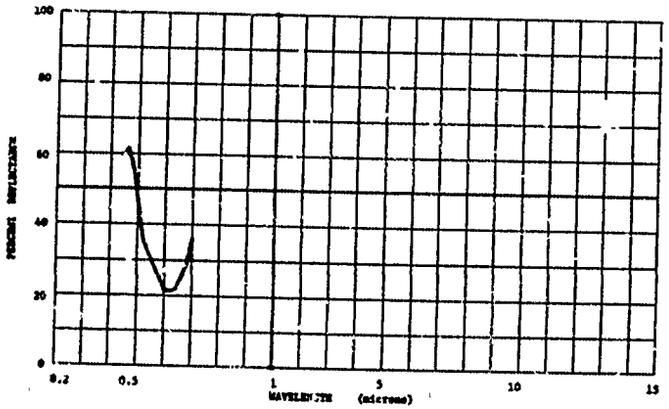
PARAMETER INFORMATION
DATE= 84 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= IAZ= CM= 5.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803303-005 FLAT BLUE PAINT.

SUBJECT CODES
AEP ECBBA CDC CEC DFA DFCC CK ECB

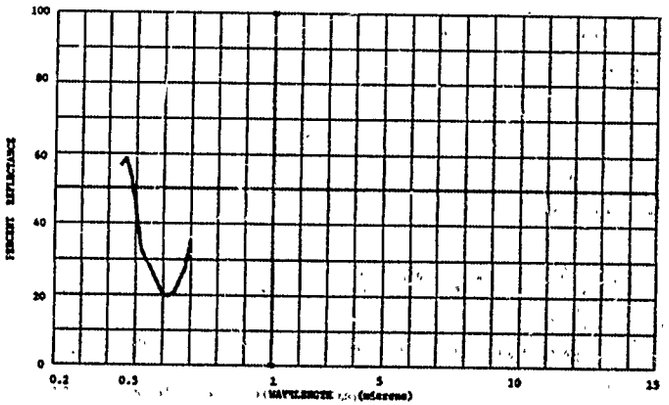
PARAMETER INFORMATION
DATE= 83 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= IAZ= CM= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 6



803303-006 FLAT BLUE PAINT.

SUBJECT CODES
AEP ECBBA CDC CEC DFA DFCC CK ECB

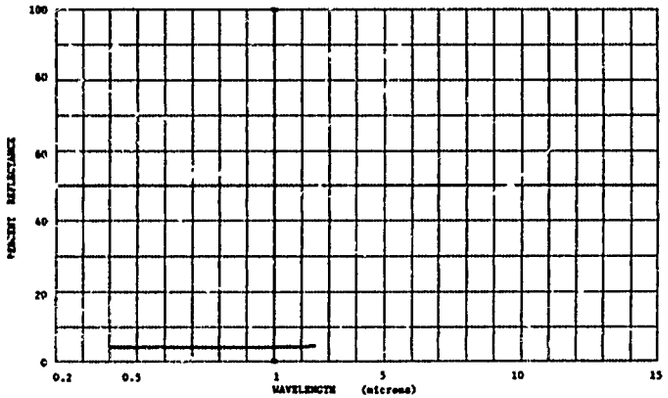
PARAMETER INFORMATION
DATE= 83 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= IAZ= CM= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 6



BC3463-002 ACME QUALITY SPRAY ENAMEL NO. 801. BRILLIANT BLACK.

SUBJECT CODES
AEP ECABL AEA CC CEC DFD EPCH DK ECB ECCA
ECCB

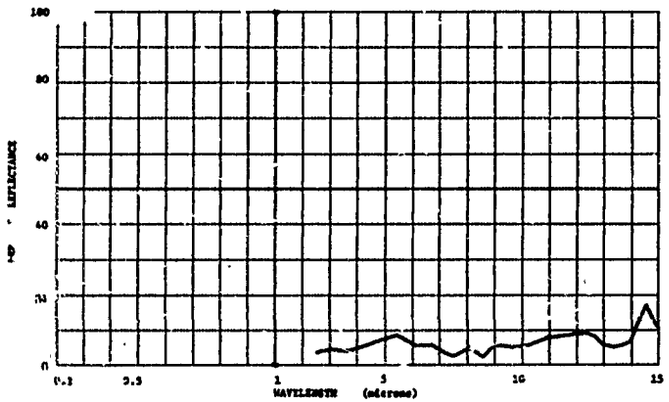
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 9.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-004 ACME QUALITY SPRAY ENAMEL NO. 801. BRILLIANT BLACK.

SUBJECT CODES
AEP ECABL AEA CDA CEC DFD EPCH DK ECCB ECCC
ECCA

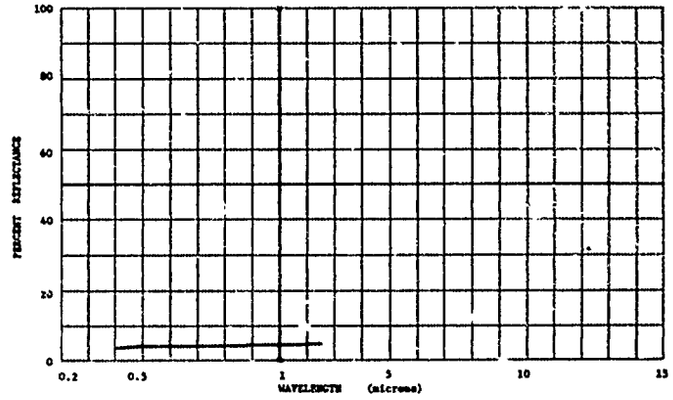
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-003 BRCPA ALKYD ENAMEL NO. 113. LIGHT BLUE.

SUBJECT CODES
AEP ECABA AEA CC CEC DFD EPCH DK ECCA ECCB

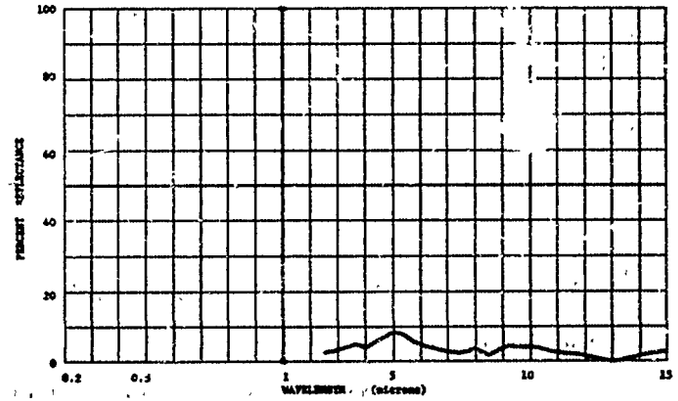
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-004 BRCPA ALKYD ENAMEL NO. 113. LIGHT BLUE.

SUBJECT CODES
AEP ECABA AEA CDA CEC DFD EPCH DK ECCB ECCC
ECCE ECCF

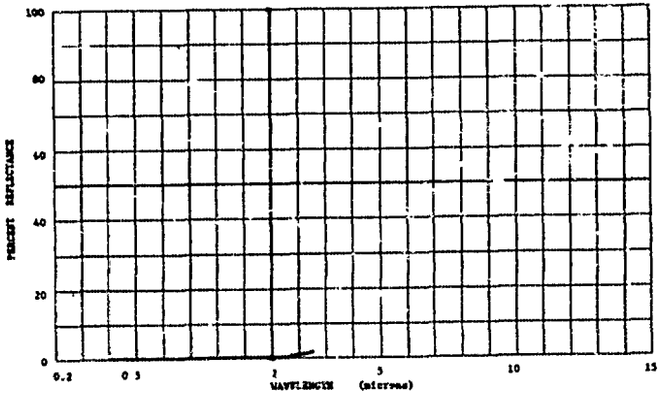
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-009 DUPONT DUCO WROUGHT IRON BLACK NO. 71.

SUBJECT CODES
AEP ECBBL AEA CC CEC DFD CFCM DK ECB ECCA
ECCB

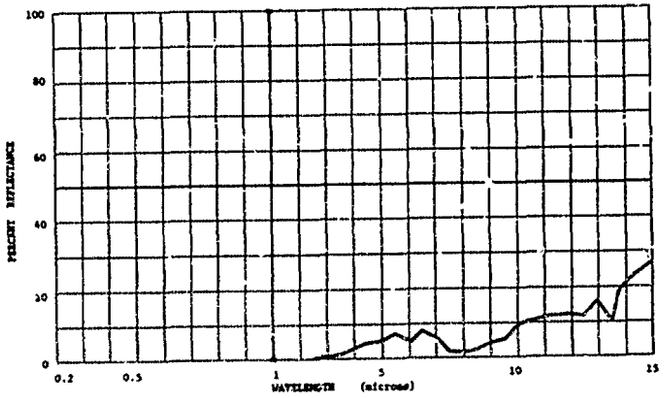
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



803463-010 DUPONT DUCO WROUGHT IRON BLACK NO. 71.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD CFCM DK ECCB ECCC
ECCC ECCE

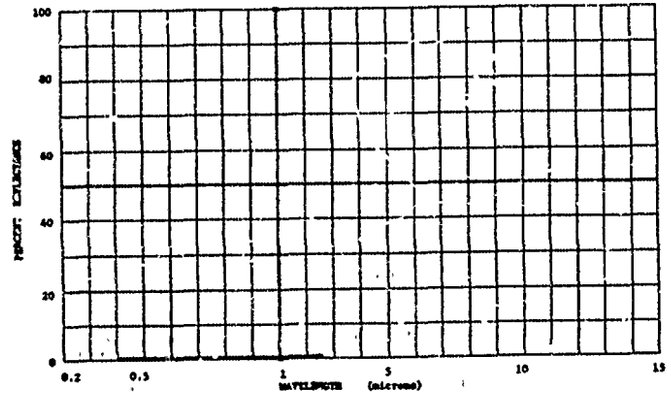
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



803463-011 FULLER VELVET BLACK NO. 1518 HEAVY DUTY PLASTIC.

SUBJECT CODES
AEP ECBBL AEA CC CEC DFD CFCM DK ECB ECCA
ECCB

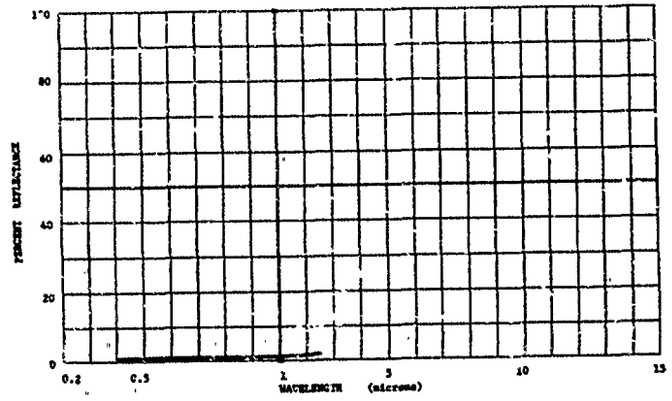
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



803463-012 GLIDDEN FLAT BLACK LACQUER.

SUBJECT CODES
AEP ECBBL AEA CC CEC DFD CFCM DK ECB ECCA
ECCB

PARAMETER INFORMATION
CATE= 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1

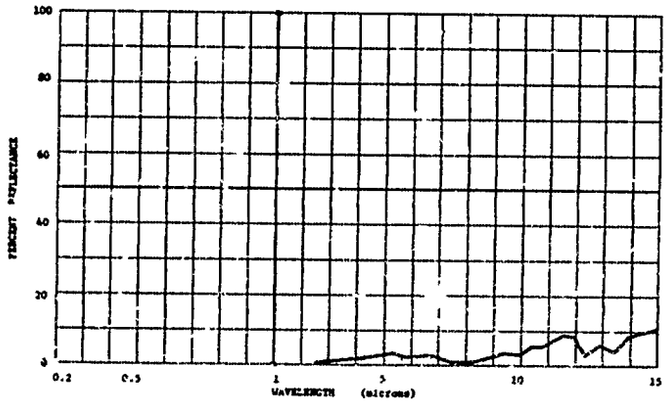


AEM 84

803463-015 FULLER VELVIT BLACK NO. 1518 HEAVY DUTY PLASTIC.

SUBJECT CODES
AEP ECCBL AEA CDA CEC DFD CFCH DK ELCB ECCC
ECCC ECCE

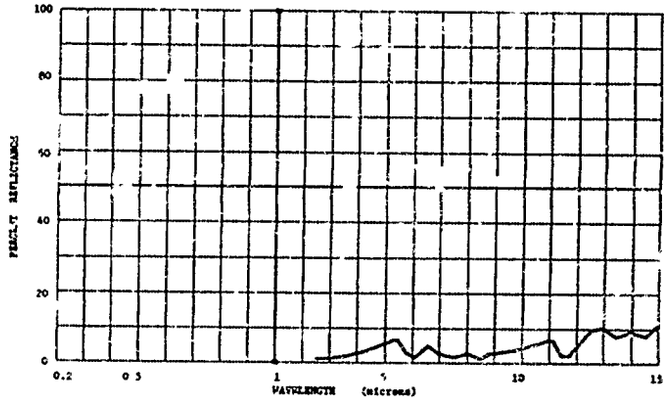
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CH= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-016 GLIDDEN FLAT BLACK LACQUER.

SUBJECT CODES
AEP ECCBL AEA CDA CEC DFD CFCH DK ECCB ELCC
ECCC ECCE

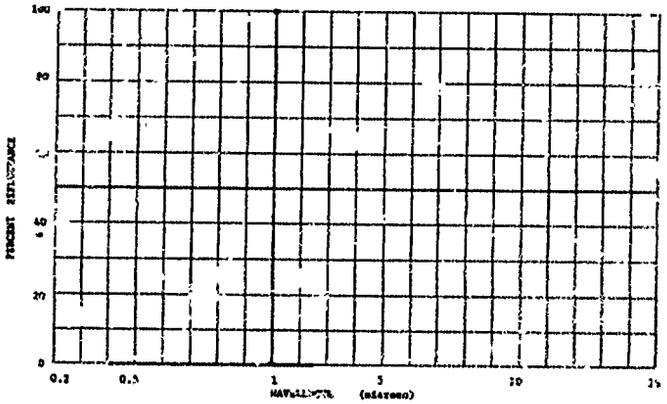
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CH= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-019 GLIDDEN JAPALAC FLAT BLACK NO. 1208.

SUBJECT CODES
AEP ECCBL AEA CC CEC DFD CFCH DK ECB ECCA
CCCB

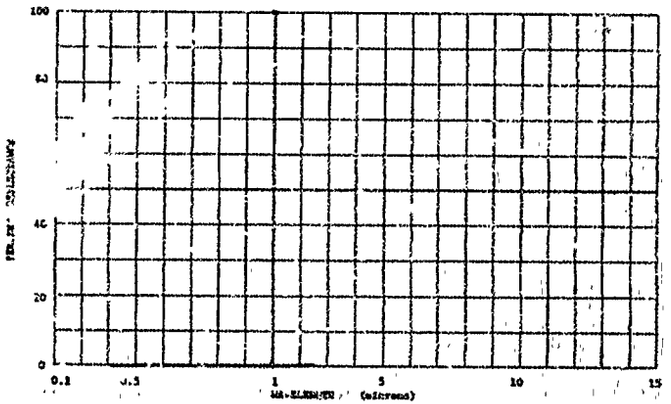
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 0.0 IAZ= CH= 0.0 CAZ= IRR=
OBST= TTEPP= WISC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-020 GLIDDEN ZAPON 121-8-1903 BLACK.

SUBJECT CODES
AEP ECCBL AEA CC CEC DFD CFCH DK ECB ECCA
ECCB

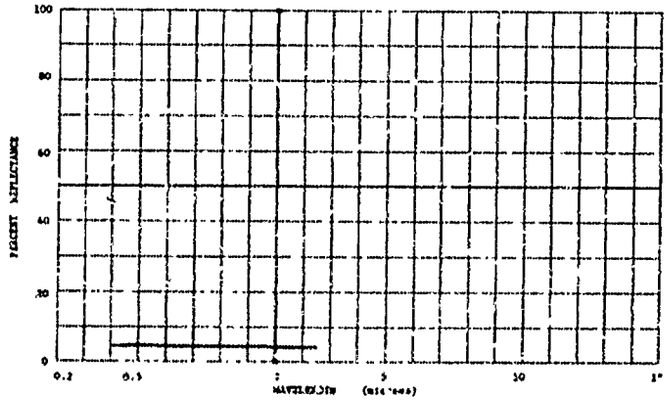
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 0.0 IAZ= CH= 0.0 CAZ= IRR=
OBST= TTEPP= DISC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-021 GYPTAL NO. 10021A BLACK.

SUBJECT CODES
AEP ECBBL AEA CD CEC DFD CFCH DK ECB ECCA
ECCB

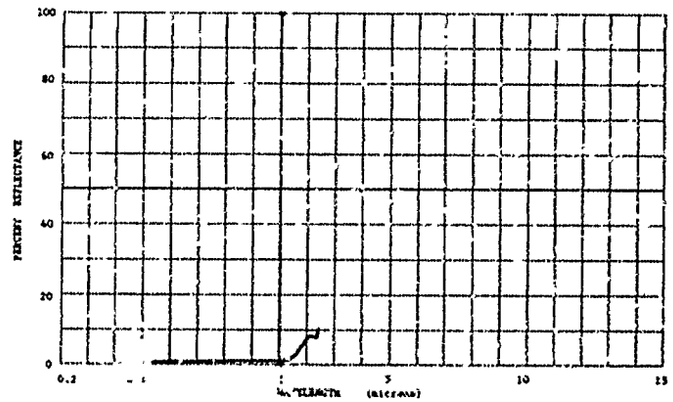
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 LAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-022 GLYPTAL BROWN.

SUBJECT CODES
AEP ECBBF AEA CD CEC DFD CFCH DK ECB ECCA
ECCB

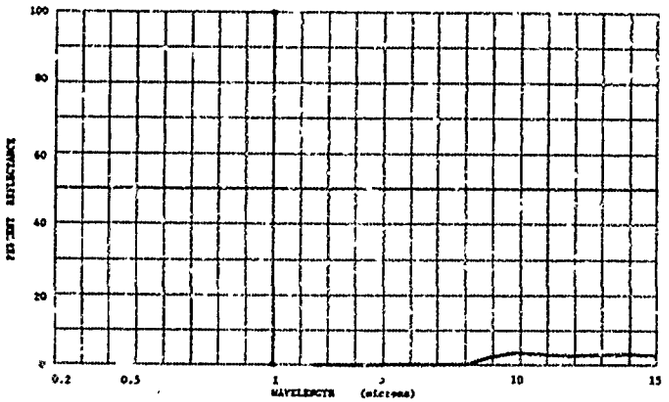
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 LAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-023 GLIDDEN JAPALAC FLAT BLACK NO. 1201.

SUBJECT CODES
AEP ECBBL AEA CD CEC DFD CFCH DK ECCB ECCC
ECCC ECCE

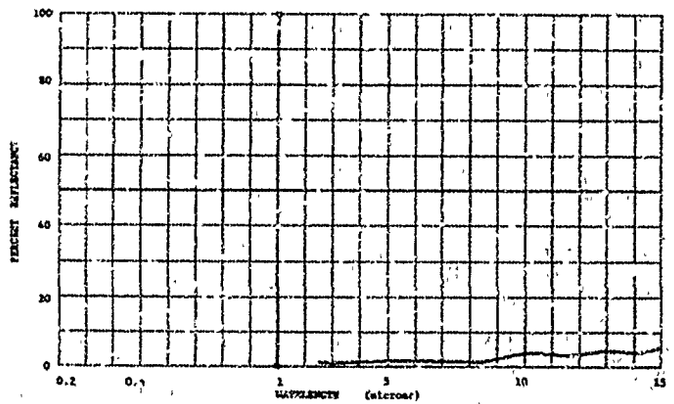
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= LAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-025 GLIDDEN ZAPON 191-B-1603 BLACK.

SUBJECT CODES
AEP ECBBL AEA CD CEC DFD CFCH DK ECCH ECCC
ECCC ECCE

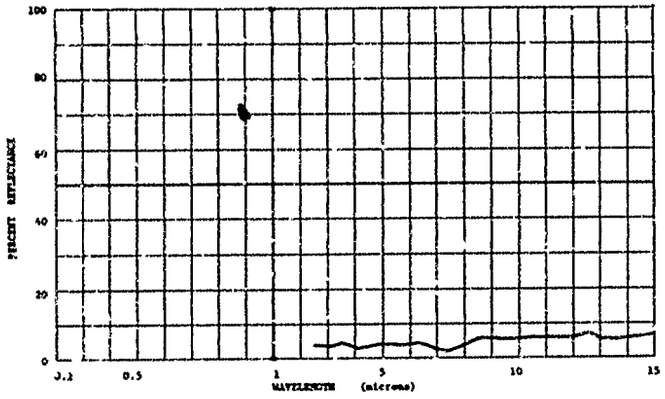
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 20.0 LAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-025 GLYPTAL NO. 1201A BLACK.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD DFCH DK ECCB ECCC
ECCC ECCE

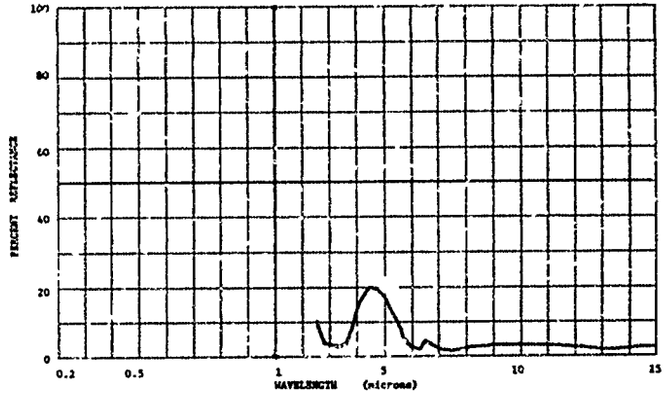
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BC3463-026 GLYPTAL BROWN.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD DFCH DK ECCB ECCC
ECCC ECCF

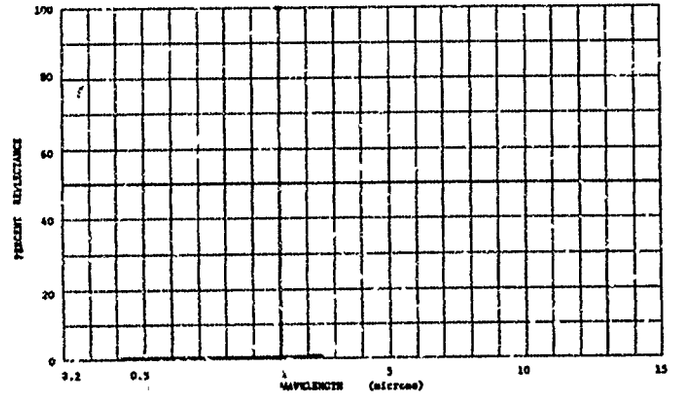
PARAMETER INFORMATION
CATE= 61 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= 30.0 IAZ= CN= 3.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BC3463-028 JET GRY NO. 78 SATIN FINISH BLACK.

SUBJECT CODES
AEP ECBBL AEA CI CEC DFC DFCH DK ECB ECCA
ECCE

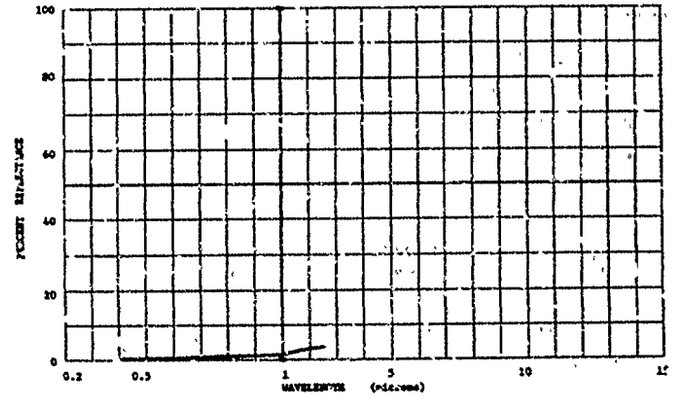
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BC3463-030 DULL BLACK BRUSHING LACQUER.

SUBJECT CODES
AEP ECBBL AEA CD CEC DFD DFCH DK ECB ECCA
ECCB

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

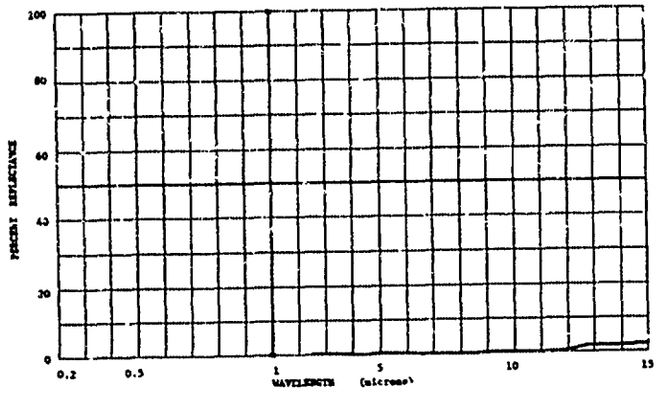


AR 40-59

BG3463-032 JET GRY NO. 78 SATIN FINISH BLACK.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD EFCH DK ECCB ECCC
ECCC ECCE

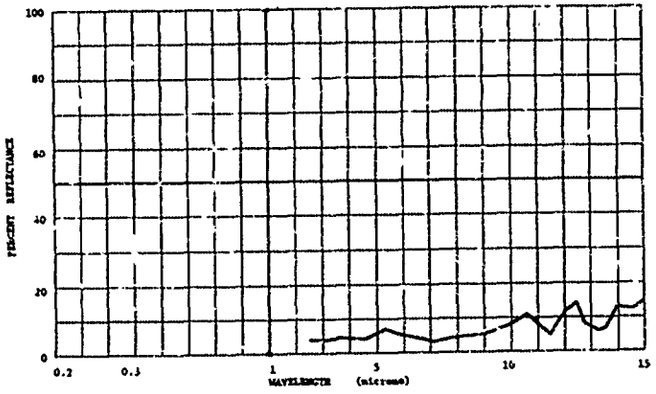
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIRC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-034 BULL BLACK.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD EFCH DK ECCB ECCC
ECCC ECCE

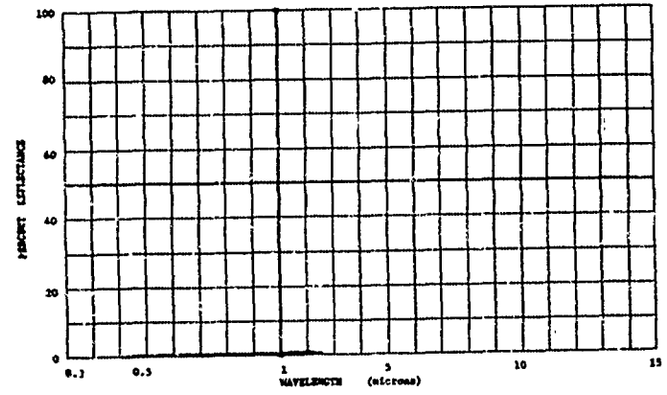
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 36.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-043 KRYLON YELLOW SPRAY.

SUBJECT CODES
AEP ECBBC AEA CD CEC DFD EFCH DK ECB ECCA
ECCB

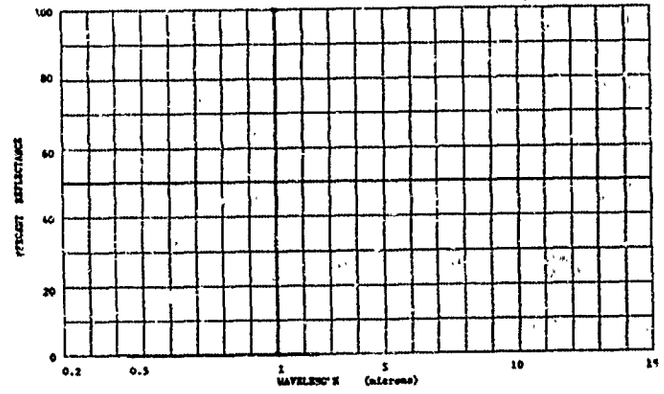
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-044 KRYLON NO. 1602 BLACK.

SUBJECT CODES
AEP ECBBL AEA CD CEC DFD EFCH DK ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 2

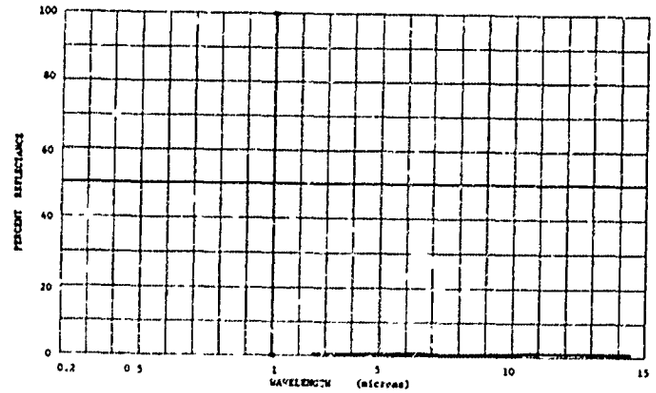


ARM 80

BC3463-046 KRYLON YELLOW SPRAY.

SUBJECT CODES
AEP ECCBC AEA CDA CEC DFD CFCH DK ECCB ECCC
ECCC

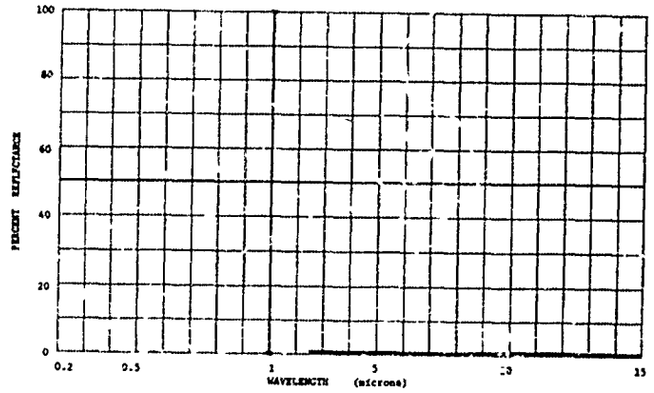
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD=
TEPP= DEW PT= N AVE= 1 VIS=



BC3463-047 KRYLON NO. 1602 BLACK.

SUBJECT CODES
AEP ECCBL AEA CDA CEC DFD CFCH DK ECCB ECCC
ECCC ECCE

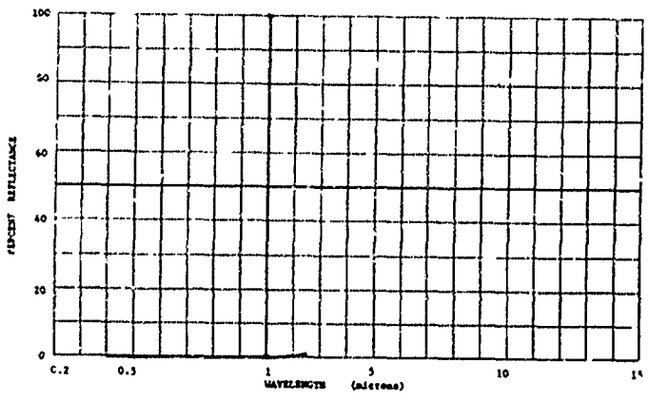
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD=
TEPP= DEW PT= N AVE= 1 VIS=



BC3463-049 MURPHY DA CCTE 4 HOUR ENAMEL, BLACK.

SUBJECT CODES
AEP ECCBL AEA CD CEC DFD CFCH DK ECB ECCA
ECCB

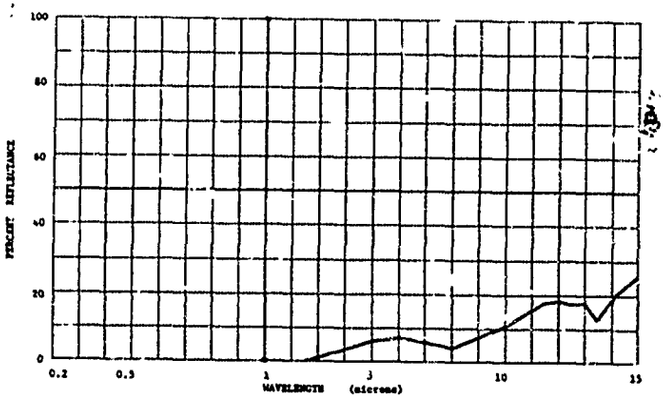
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD=
TEPP= DEW PT= N AVE= 1 VIS=



BC3463-052 MURPHY DA CCTE 4 HOUR ENAMEL, BLACK.

SUBJECT CODES
AEP ECCBL AEA CDA CEC DFD CFCH DK ECCB ECCC
ECCD ECCE

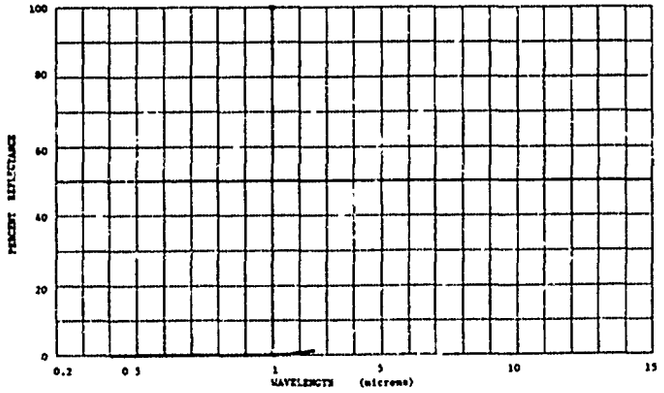
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD=
TEPP= DEW PT= N AVE= 1 VIS=



803463-055 SHERWIN WILLIAMS ENAMELCID BLACK.

SUBJECT CODES
AEP ECOBL AEA CO CEC OFD CFCH OK ECB ECCA
ECCB

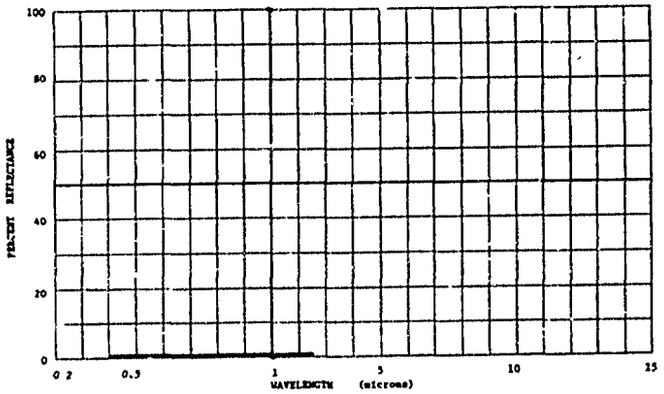
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CM= 0.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-057 SICCN BLACK 3X923 NO. 1-9-378.

SUBJECT CODES
AEP ECOBL AEA CO CEC OFD CFCH OK ECB ECCA
ECCB

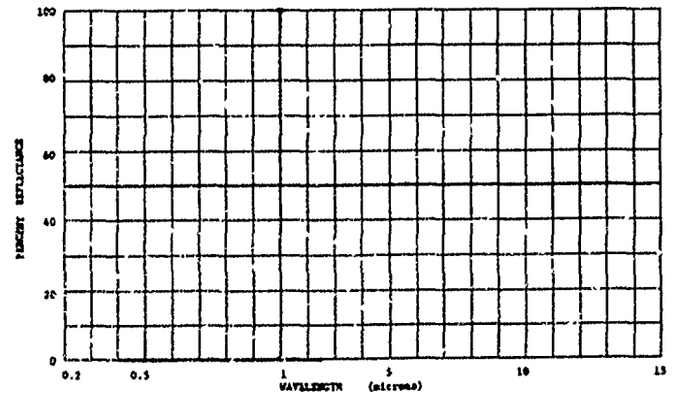
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CM= 0.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-058 SICCN BLACK 8X906.

SUBJECT CODES
AEP ECOBL AEA CO CEC OFD CFCH OK ECB ECCA
ECCB

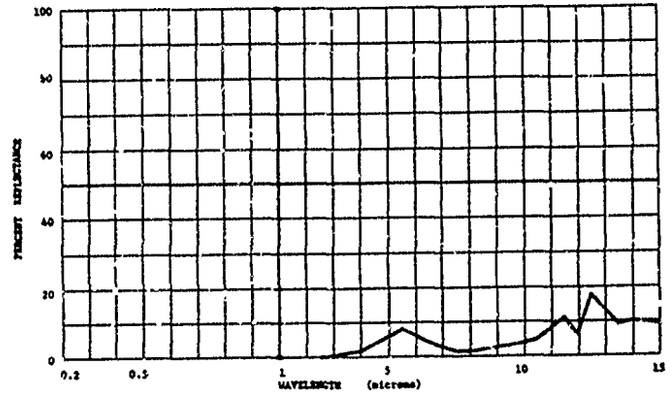
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CM= 0.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-059 SHERWIN WILLIAMS ENAMELCID BLACK.

SUBJECT CODES
AEP ECOBL AEA COA CEC OFD CFCH OK ECCB ECCC
ECCC ECCE

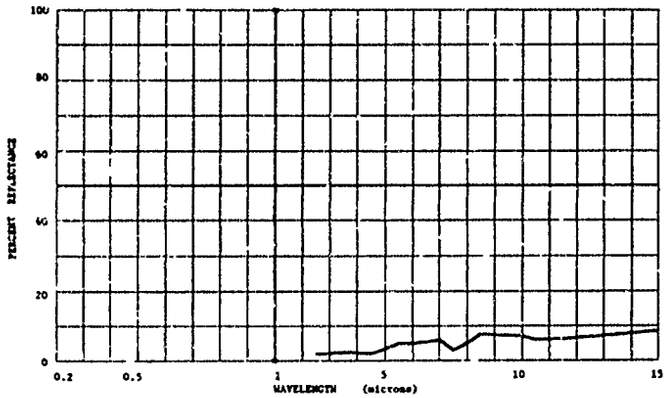
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CM= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-061 SICCN BLACK 3X923 NO. 1-9-378.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD EPCH DK ECCB ECCC
ECCC ECCE

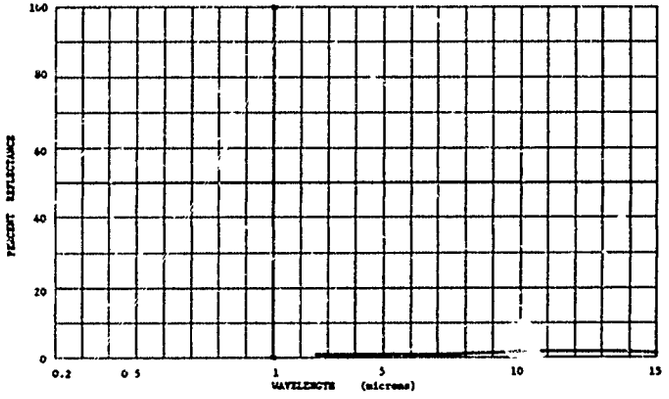
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CHST= TTEPP= WIND SP= WIND DI= CLD= VIS=
ILPP= DEW PT= N AVE= 1



BC3463-062 SICCN BLACK 8X906.

SUBJECT CODES
AEP ECBBL AEA CDA CEC DFD EPCH DK ECCB ECCC
ECCC ECCE

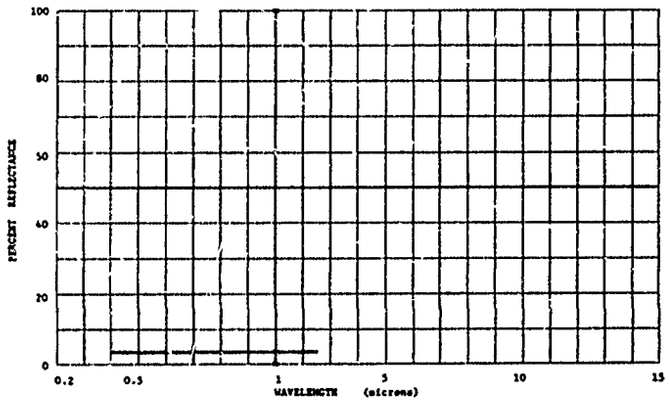
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
IEPP= DEW PT= N AVE= 5



BC3463-063 SPRAINT GRAY NO. 63.

SUBJECT CODES
AEP ECBBK AEA CD CEC DFC EPCH DK ECB ECCA
ECCB

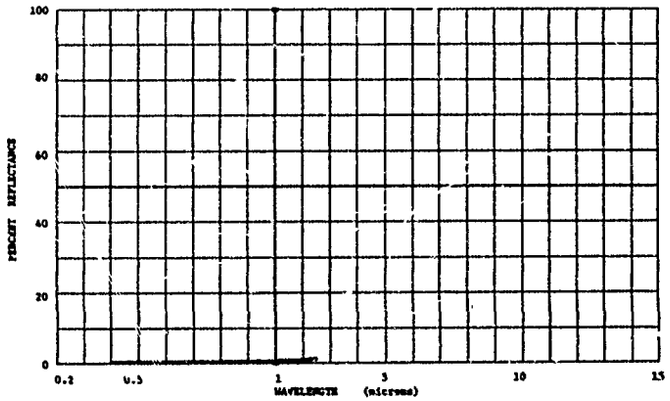
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= 0.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1



BC3463-064 SPRAYCN MACHINERY DARK GRAY ENAMEL NO. 329.

SUBJECT CODES
AEP ECBBK AEA CD CEC DFD EPCH DK ECB ECCA
ECCB

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CN= 0.0 CAZ= IRR= E
CBST= TTCPP= WIND SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1

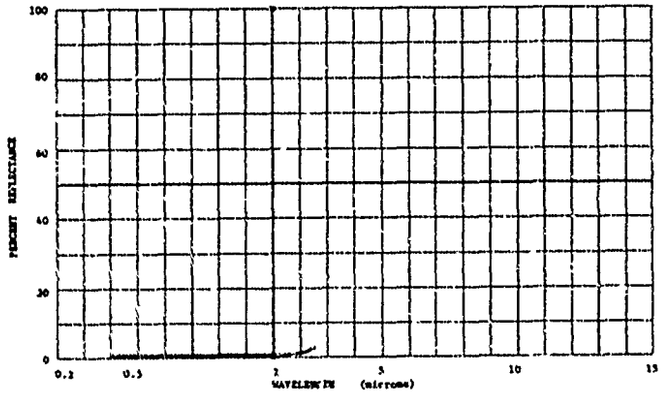


59 PLTV 65

803463-065 SPRAYON MACHINERY LIGHT GRAY ENAMEL NO. 326.

SUBJECT CODES
AEP ECBBR AEA CD CEC DFD DFCH DK ECB ECCA
CFCB

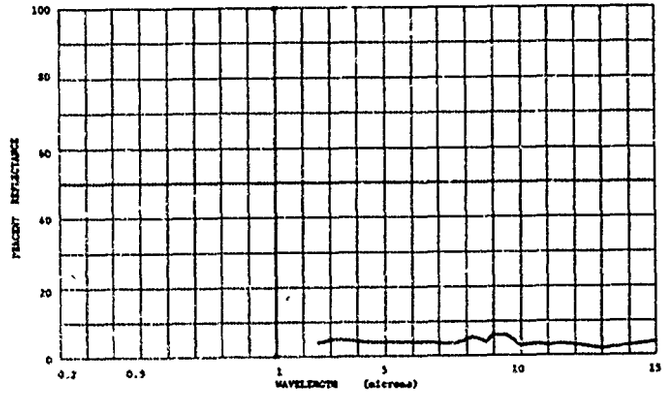
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CWST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-066 SPRAYON GRAY NO. 63.

SUBJECT CODES
AEP ECBBR AEA CDA CEC DFD DFCH DK ECCB ECCC
ECCC ECCE

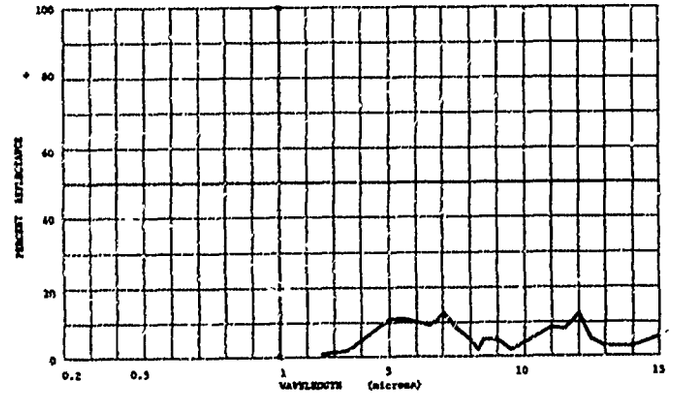
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CWST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-067 SPRAYON MACHINERY DARK GRAY ENAMEL NO. 329.

SUBJECT CODES
AEP ECBBR AEA CDA CEC DFD DFCH DK ECCB ECCC
ECCC ECCE

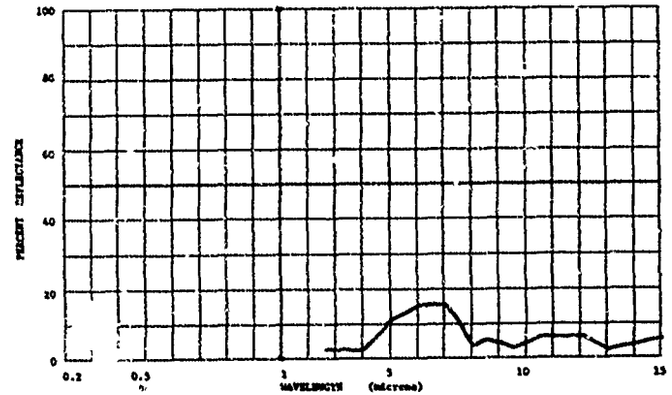
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CWST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-068 SPRAYON MACHINERY LIGHT GRAY ENAMEL NO. 326.

SUBJECT CODES
AEP ECBBR AEA CDA CEC DFD DFCH DK ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CWST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

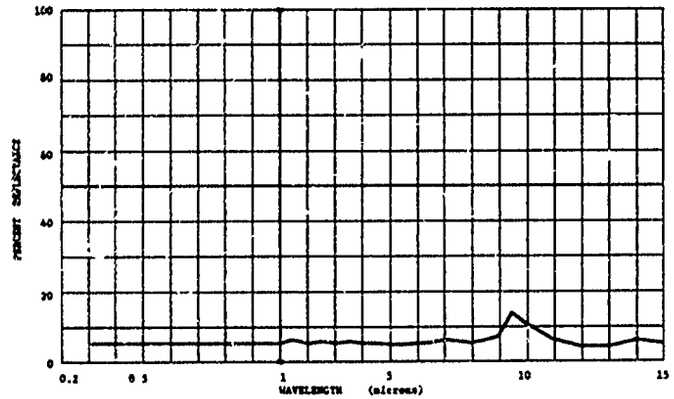


ASTM E4

803959-014 CAT-A-LAC BLACK PAINT ON ALUMINUM SUBSTRATE.
THICKNESS 35 MICRONS.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCB ECCC ECCD ECCF

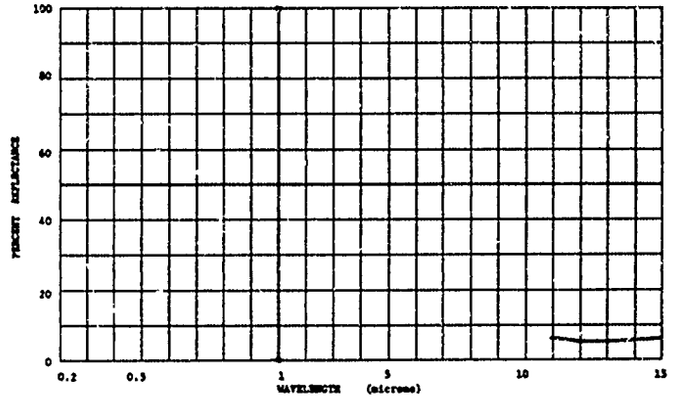
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AG= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-015 CAT-A-LAC BLACK PAINT ON ALUMINUM SUBSTRATE.
THICKNESS 75 MICRONS.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCB ECCC ECCD ECCF

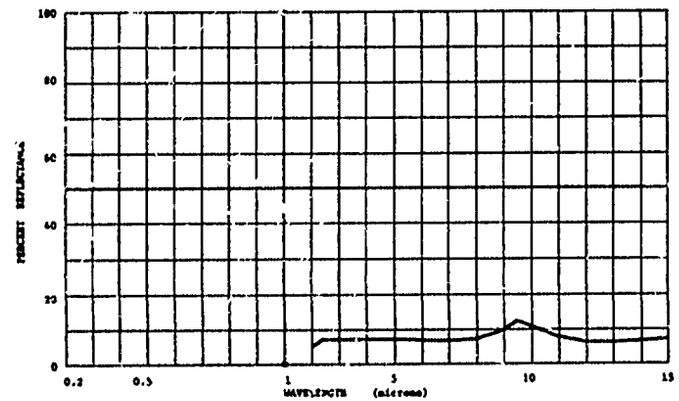
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AG= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-016 CAT-A-LAC BLACK PAINT ON ALUMINUM SUBSTRATE.
THICKNESS 250 MICRONS.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCB ECCC ECCD ECCF

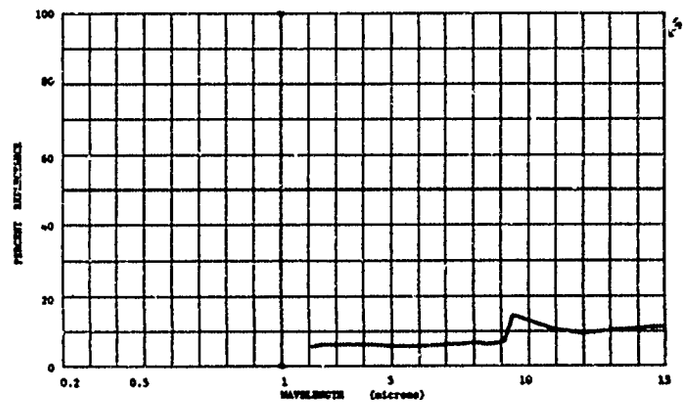
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AG= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-017 CAT-A-LAC BLACK PAINT ON ALUMINUM SUBSTRATE.
THICKNESS 750 MICRONS.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCB ECCC ECCD ECCF

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AG= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

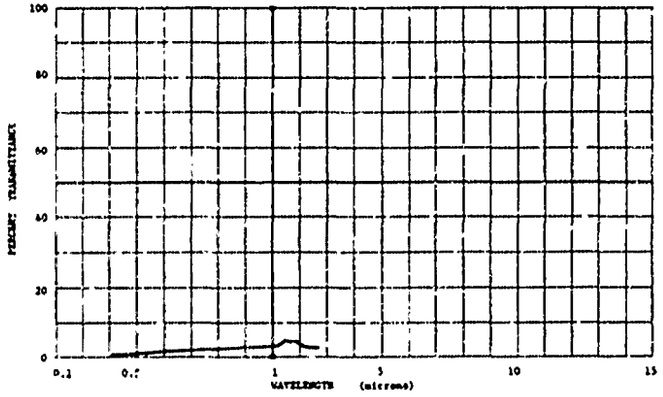


90 REV

804809-040 PAINT, GRAY, ALGI 99, ON QUARTZ.

SUBJECT CODES
AEP ECBBR BFK CC CEC DIA CK ECAD ECB ECCA
ECCB

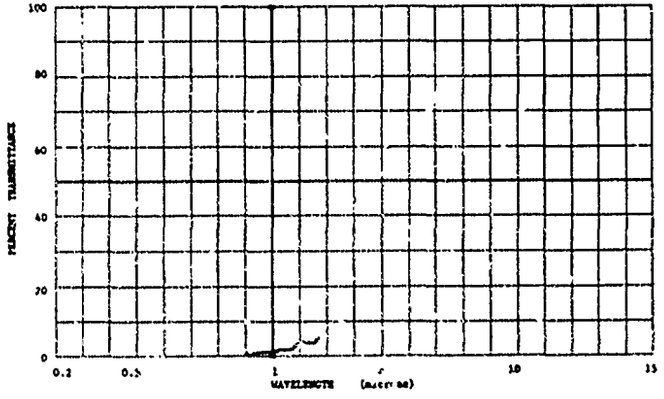
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BIAC SP= BIAD DI= CLO= VIS=
TEPP= OEN PT= A AVE= 1



804809-041 PAINT, GRAY, VITA VAR, ON QUARTZ.

SUBJECT CODES
AEP ECBBR BFK CC CEC DIA CK ECAD ECB ECCA
ECCB

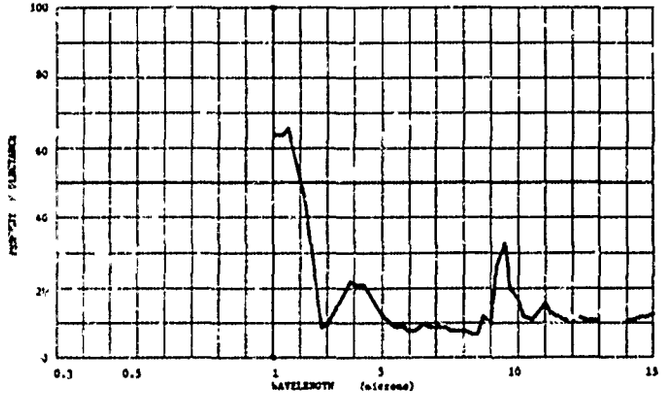
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BIAC SP= BIAD DI= CLO= VIS=
TEPP= OEN PT= A AVE= 1



804979-079 KAOLIN, 6 MIL DUSTED ON BLACK PAINT ON POLISHED ALUMINUM.

SUBJECT CODES
BFGC ECBBJ AEP ECBBL CC CEC CK ECAD ECB ECCA
ECCB ECCC ECCE ECCF

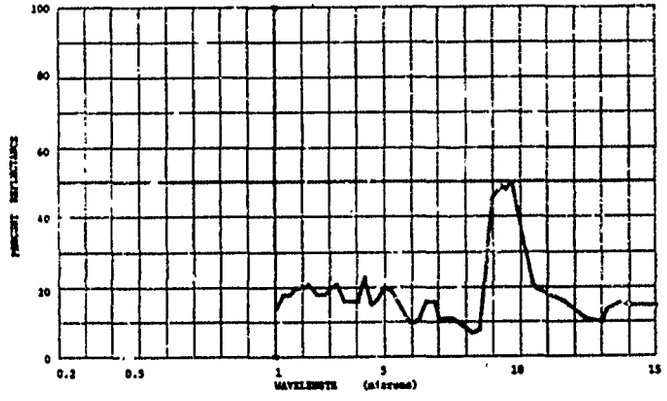
PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BIAC SP= BIAD DI= CLO= VIS=
TEPP= OEN PT= A AVE= 1



804979-084 PICA, 1-½ MIL, ON BLACK PAINT.

SUBJECT CODES
BFK AEP ECBBL CC CEC DIA CK ECAD ECB ECCA
ECCA ECCC ECCD ECCE

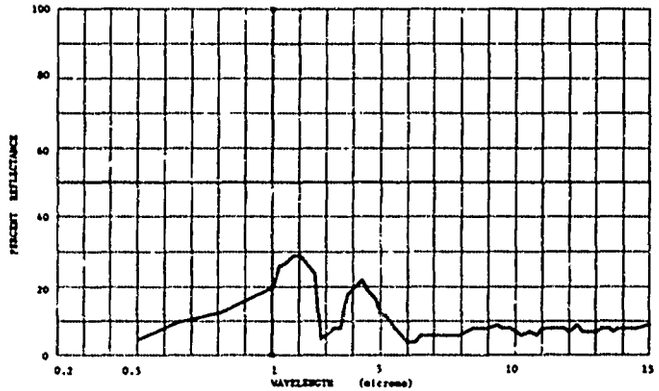
PARAMETER INFORMATION
CATE= 60 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BIAC SP= BIAD DI= CLO= VIS=
TEPP= OEN PT= A AVE= 1



804979-087 BLACK DIRT DUSTED ON BLACK PAINT ON POLISHED ALUMINUM.

SUBJECT CODES
AEI AEP ECEBL AEA CD CED ECAD ECB CCCA CCCB
ECCC ECCC ECCC

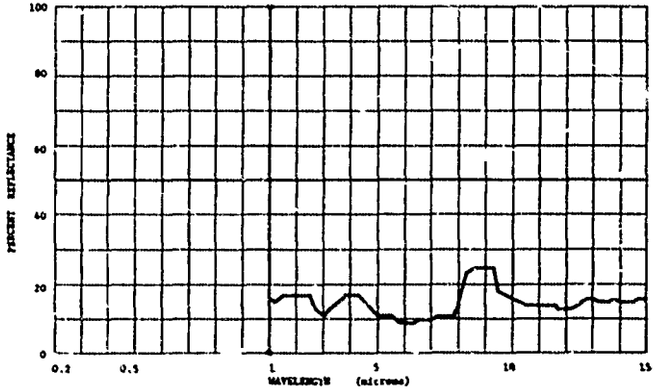
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



804979-090 MONTEREY SAND DUSTED ON BLACK PAINT ON POLISHED ALUMINUM.

SUBJECT CODES
EPCA AEP ECEBL AEA CD CED CPA DK ECAD ECB
ECCA ECCB ECCC ECCC ECCC

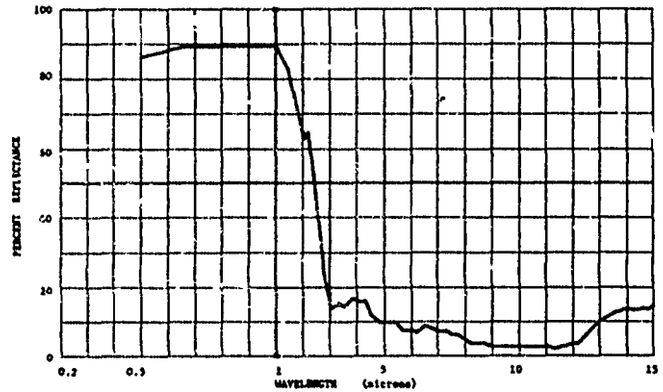
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-092 TITANOX-RA, ON BLACK PAINT, 2 MIL, MIXED WITH ALCOHOL ON POLISHED ALUMINUM.

SUBJECT CODES
EPL AEP ECEBL AEA CD CED CPA DK ECAD ECB
ECCA ECCB ECCC ECCC ECCC

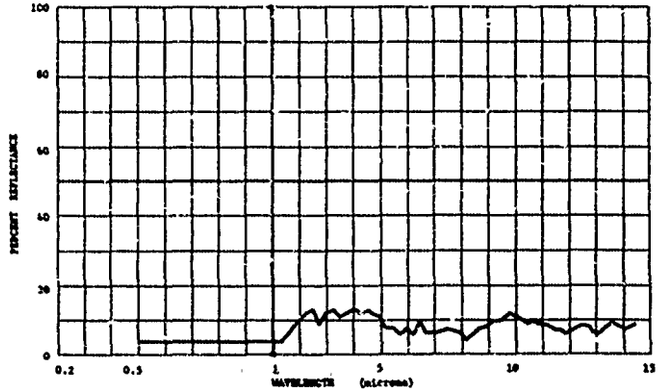
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-093 TOURMALINE DUSTED ON BLACK PAINT ON POLISHED ALUMINUM.

SUBJECT CODES
EPH AEP ECEBL AEA CD CED CPA DK ECAD ECB
ECCA ECCB ECCC ECCC ECCC

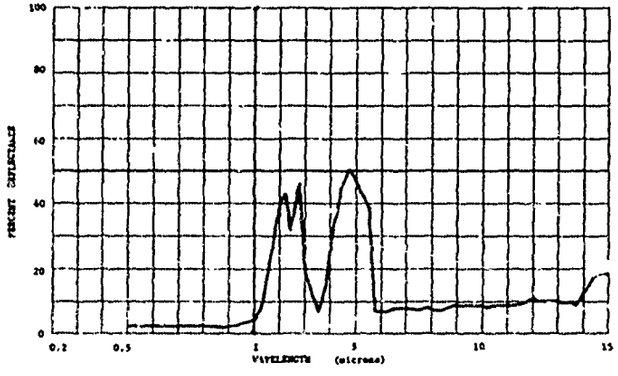
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-097 BLACK GLYPTAL, 9 MIL, ON POLISHED ALUMINUM.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCA EFCC ECCC ECCE

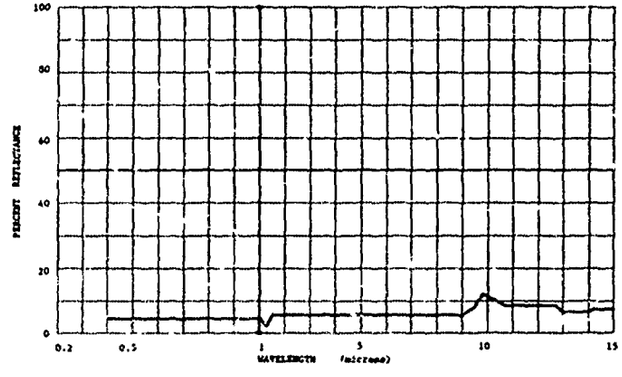
PARAMETER INFORMATION
CAIE= GC TIME= LAT= LCHG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
ICPP= DEW PT= H AVE= 1



804979-098 FLAT BLACK EPOXY RESIN PAINT ON ALUMINUM.

SUBJECT CODES
AEP ECOBL AEPPA AEA CO CEC EPA OK ECAD ECB
ECCA ECCB ECCC ECCC ECCE

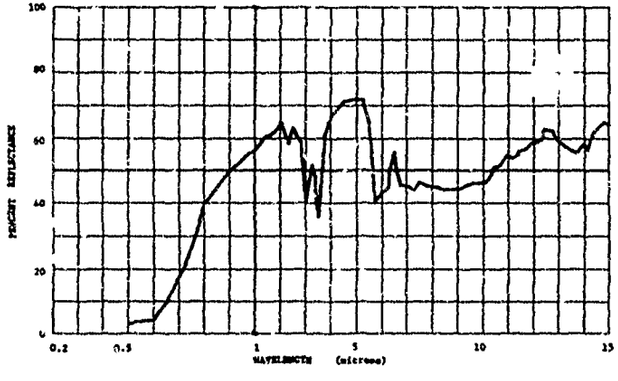
PARAMETER INFORMATION
CAIE= GC TIME= LAT= LCHG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
ICPP= DEW PT= H AVE= 1



804979-100 LUCITE OPTICAL BLACK ON POLISHED ALUMINUM.

SUBJECT CODES
AEP ECOBL AEA CO CEC OPA CK ECAD ECB ECCA
ECCB ECCC ECCC ECCE

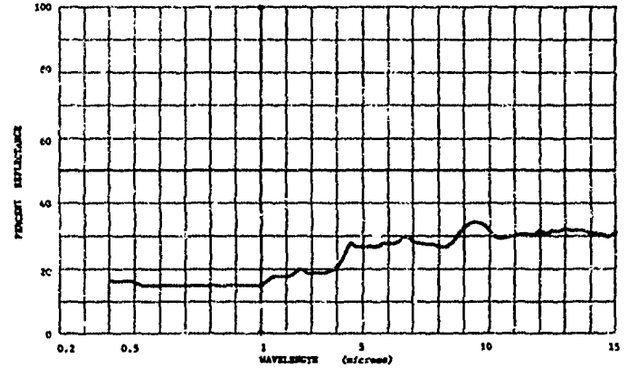
PARAMETER INFORMATION
CAIE= GC TIME= LAT= LCHG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
ICPP= DEW PT= H AVE= 1



804979-103 RYASHEC-MASCH BLACK HEAT-RESISTANT AIR DRY ENAMEL ON STAINLESS STEEL.

SUBJECT CODES
AEP ECOBL AEL CO CEC OPA CP ECAC ECB ECCA
ECCB ECCC ECCC ECCE

PARAMETER INFORMATION
CAIE= GC TIME= LAT= LCHG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
ICPP= DEW PT= H AVE= 1

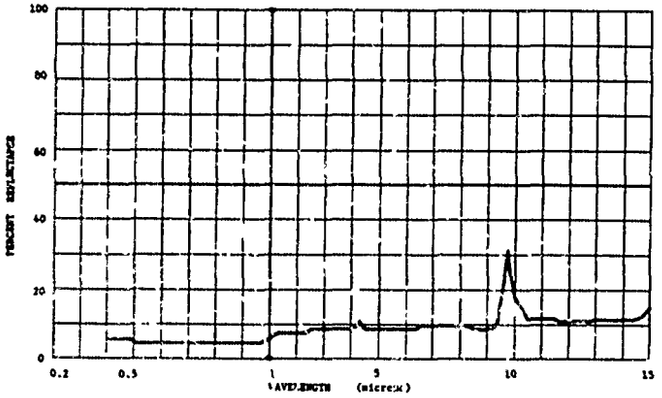


AEM 09

804979-104 BLACK ACRYLIC PAINT AND WASH COATING ON 40 MIL STAINLESS STEEL.

SUBJECT CODES
AEP ECBBL AEL CC CEC DFA CK ECAC ECB ECCA
ECCB ECCC ECCC ECCE

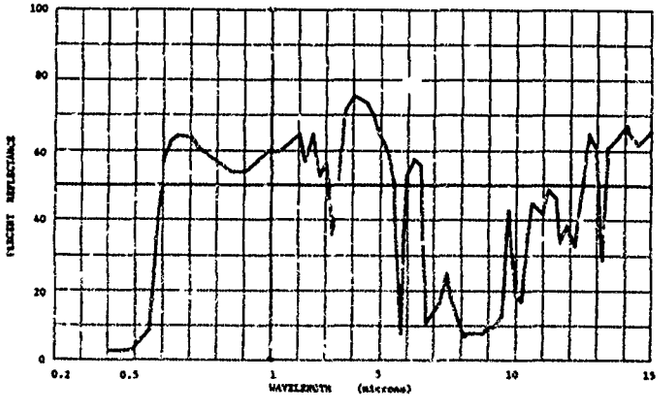
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-114 INTERNATIONAL ORANGE ON 40 MIL CLAD ALUMINUM ALLOY.

SUBJECT CODES
AEP ECBBL AEA CC CEC DFA CK ECAC ECB ECCA
ECCB ECCC ECCC ECCE

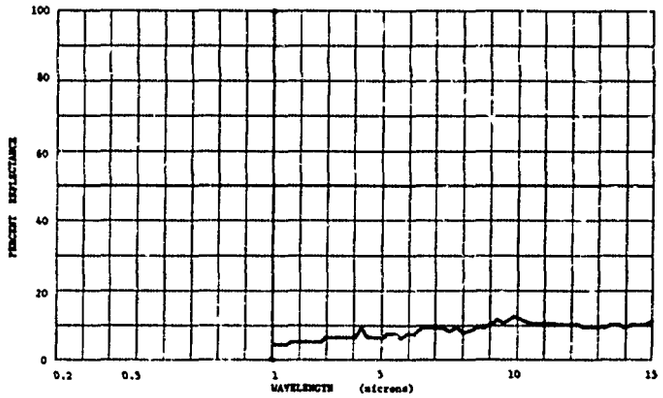
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-109 FLAT BLACK PAINT, 6 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEP ECBBL AEA CC CEC DFA CK ECAC ECB ECCA
ECCB ECCC ECCC ECCE

PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

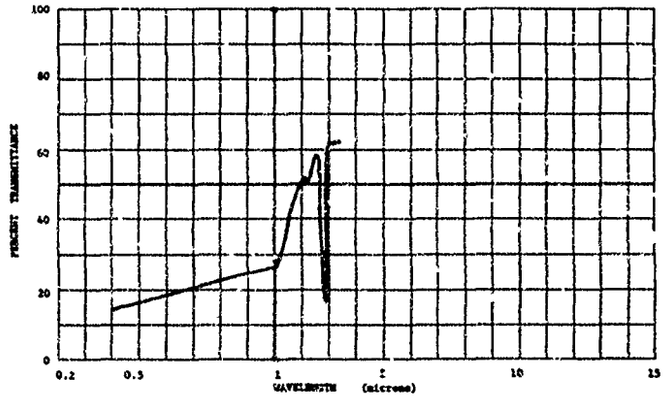


820000-001 PAINT SAMPLE NUMBER 3, (BLACK).

SUBJECT CODES
AEM ECBBL AEA CDA CED DIB DK ECAC
ECAD ECB
ECCA ECCB ECCC

PARAMETER INFORMATION
DATE= 26 3 86 TIME= -0 LAT= -.0 LONG= -.0 ALT= -.00E+00 RANGE= -.00E+00
DAYS RE= -0 IN= .0 IAZ= -.0 CN= -.0 CAZ= -.0 IRR= E
OBST= TTEPP= -.0WIND SP= -0 WIND DI= CLD= VIS= -0

TEPP= -0 DEW PT=0 N AVE= 1

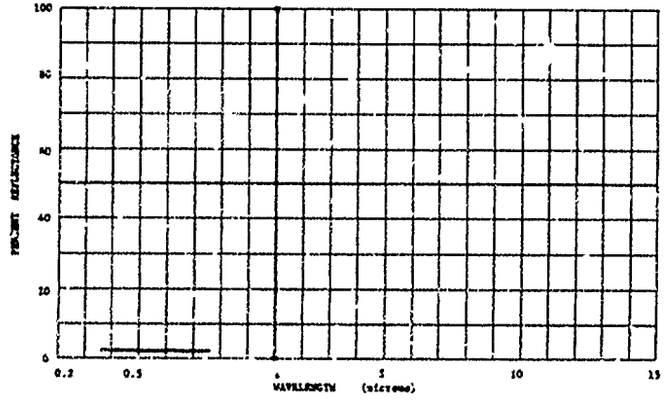


69 REV

P20000-007 PAINT SAMPLE NUMBER 3, (BLACK), SPRAYED ON PRIMED ALUMINUM.

SUBJECT CODES
AEP ECB8L AEA CDA CED DFAA CFCE DK ECAD ECB
ECCA ECCB

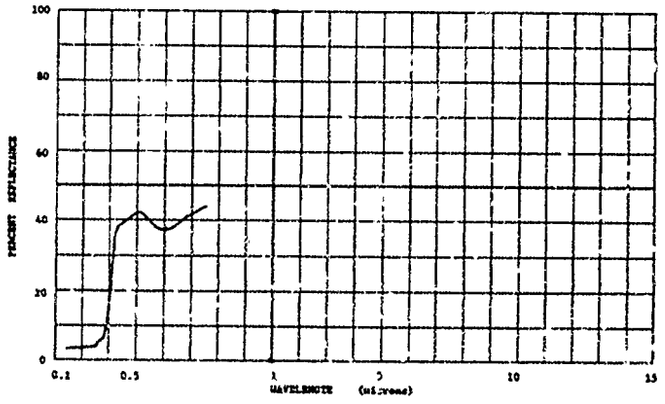
PARAMETER INFORMATION
DATE= 31 3 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-020 3-M PAINT ON CANVAS SAMPLE, 50 PERCENT WHITE AND 50 PERCENT BLACK.

SUBJECT CODES
AEP ECB8K AEE CDA CEC DFAA CFCE DK ECAC ECAD
ECB ECCA

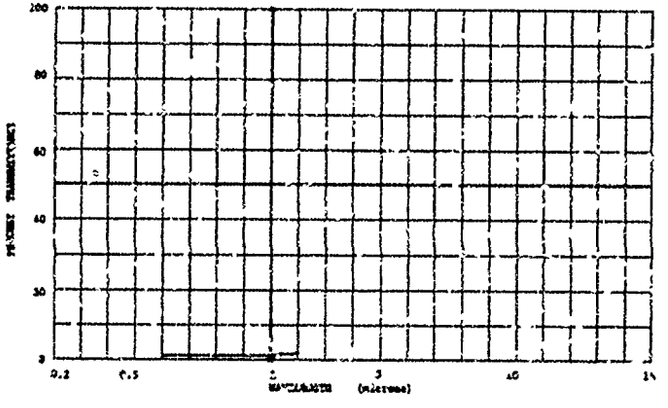
PARAMETER INFORMATION
DATE= 9 5 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-040 3-M BLACK PAINT ON ALUMINUM.

SUBJECT CODES
AEP ECB8L AEA ZPAA CFCE DK ECB ECCA ECFB

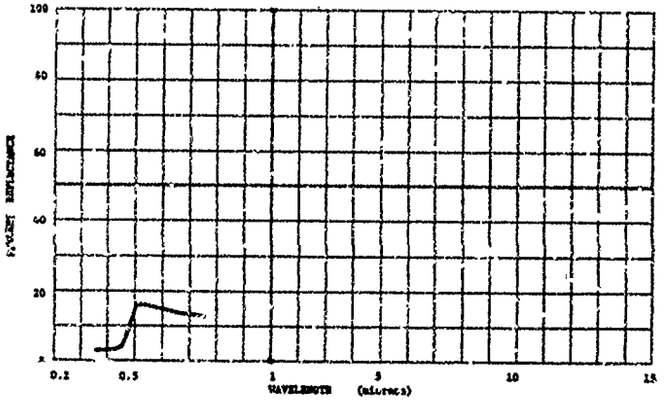
PARAMETER INFORMATION
DATE= 3 1 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-060 BLACK PAINT ON ALUMINUM SPRAYED WITH KRYLON B2060 ZINC-CHROMATE METAL PRIMER.

SUBJECT CODES
AEP ECB8L AEA CDA CEC DFAA CFCE DK ECAC ECB
ECCA

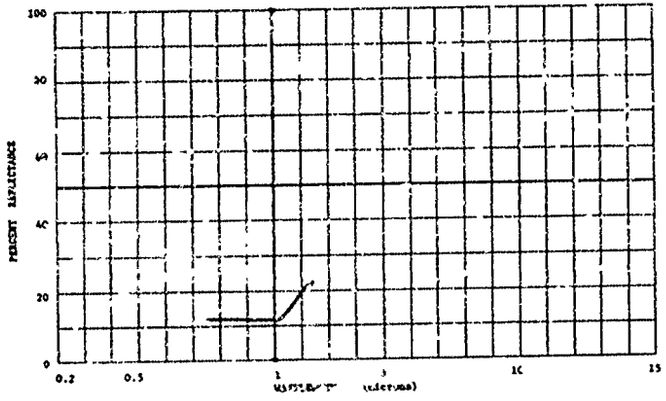
PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-281 BLACK PAINT ON ALUMINUM SPRAYED WITH KAYLON BOAND ZINC CHROMATE METAL PRIMER.

SUBJECT CODES
AEP ECBEL AEA CDA CEC DFAA DFCE DK ECCA ECCB

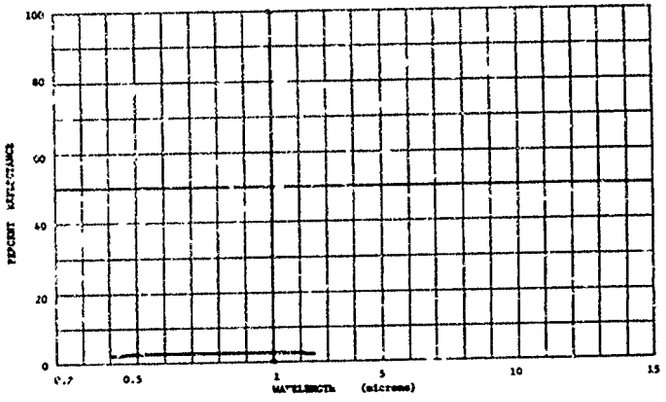
PARAMETER INFORMATION
DATE= 2 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803463-001 ACME QUALITY SPRAY ENAMEL NO. 800. APPLIANCE WHITE.

SUBJECT CODES
AEPA AEA CC CEC CFC DFCH CK ECB ECCA ECCB

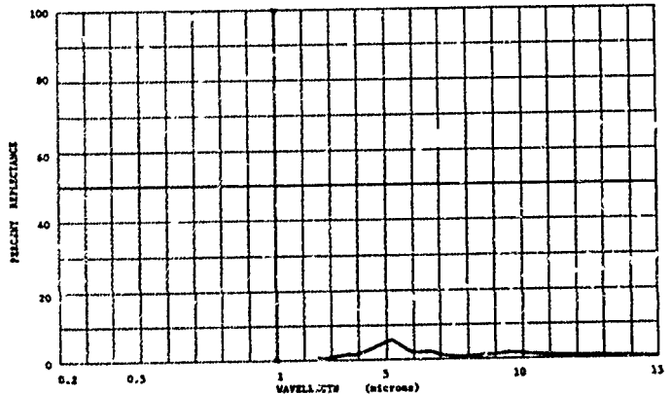
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803463-009 ACME QUALITY SPRAY ENAMEL NO. 800. APPLIANCE WHITE.

SUBJECT CODES
AEPA AEA CDA CEC CFC DFCH CK ECCB ECCC ECCD
ECCE

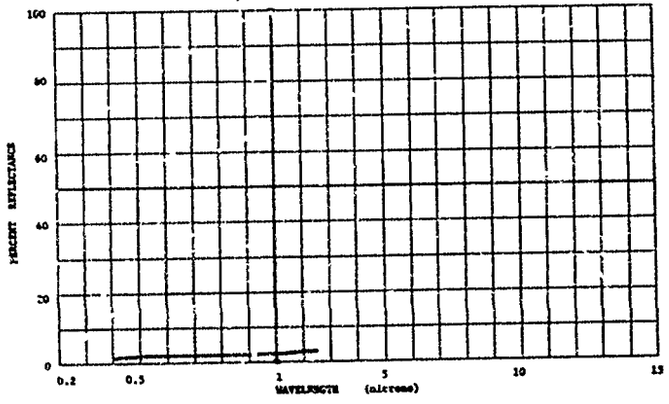
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803463-013 GLIDDEN FLAT SHEEN WHITE NO. 2295.

SUBJECT CODES
AEPA AEA CC CEC CFC DFCH CK ECB ECCA ECCB

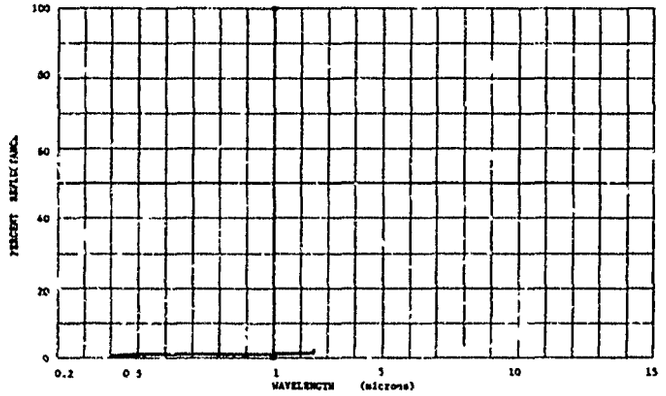
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BG3463-014 GLIDDEN FLAT SHEEN WHITE NO. 9044.

SUBJECT CODES
AEPA AEA CD CEC CFC DFCH CK ECB ECCA ECCB

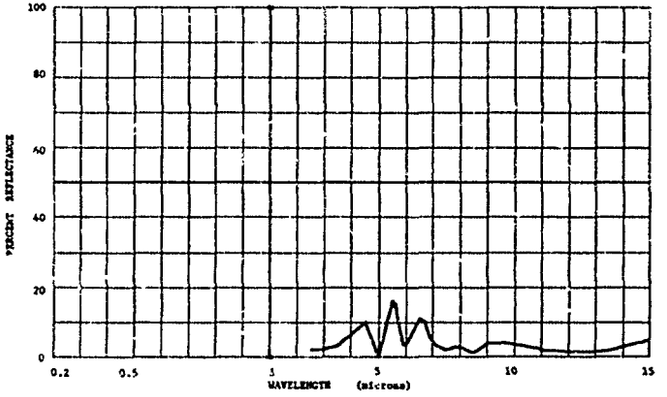
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 2.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-017 GLIDDEN FLAT SHEEN WHITE NO. 2295.

SUBJECT CODES
AEPA AEA CCA CEC CFC DFCH CK ECCB ECCC ECCD
ECCE

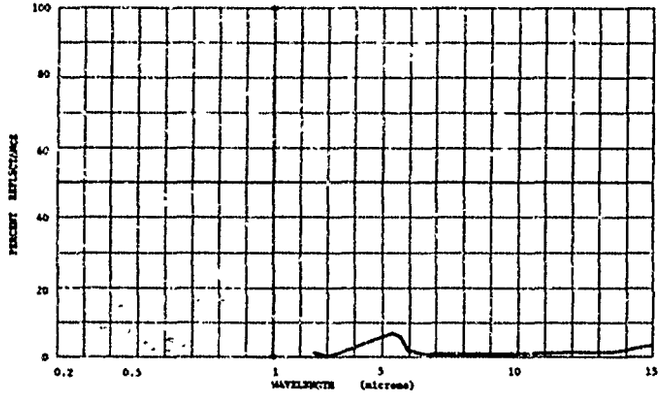
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= F
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-018 GLIDDEN FLAT SHEEN WHITE NO. 9044.

SUBJECT CODES
AEPA AEA CCA CEC CFC DFCH CK ECCB ECCC ECCD
FCCE

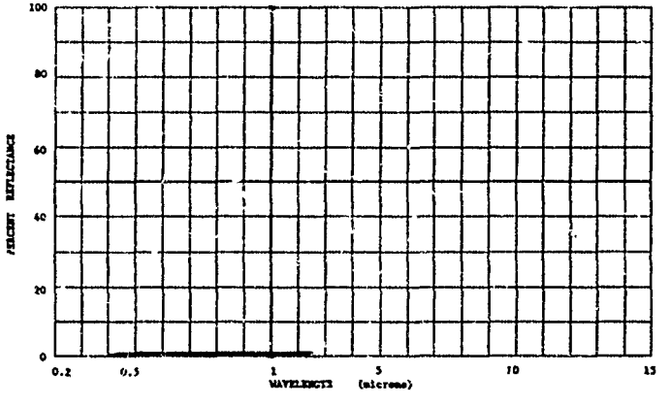
PARAMETER INFORMATION
CATE= 44 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BG3463-037 NYLON FLAT WHITE NO. 1591.

SUBJECT CODES
AEPA AEA CD CEC CFC DFCH CK ECB ECCA ECCP

PARAMETER INFORMATION
CATE= 44 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

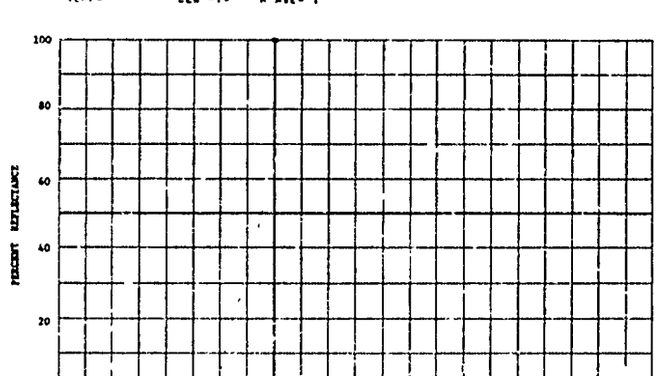


AEW 72

BC3463-038 KRYLON FLAT WHITE NO. 1902A.

SUBJECT CODES
AEPA AEA CD CEC CFC CFCM CK ECB ECCA ECCB

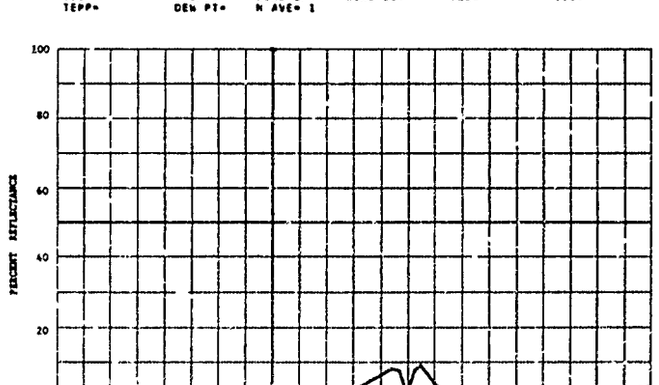
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-041 KRYLON FLAT WHITE NO. 1501.

SUBJECT CODES
AEPA AEA CCA CEC CFC DFCM CK ECCB ECCC ECCD
ECCE

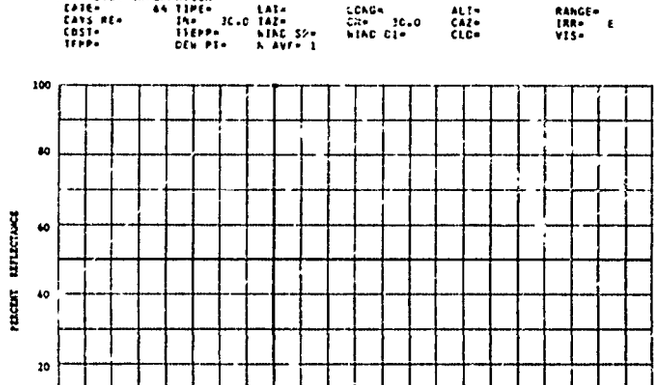
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-042 KRYLON FLAT WHITE NO. 1502A.

SUBJECT CODES
AEPA AEA CCA CEC CFC CFCM CK ECCB ECCC ECCD
ECCE

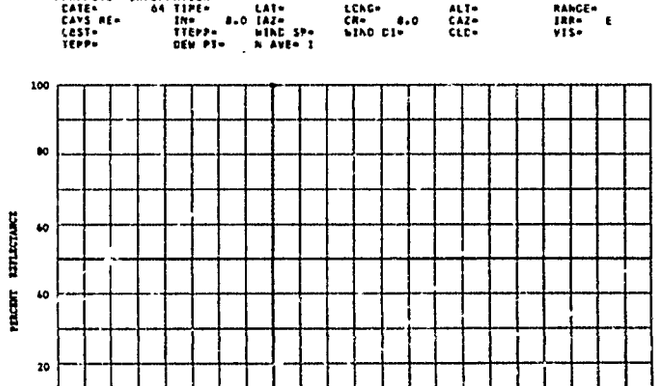
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-050 PROVEN FLAT WHITE SP-15.

SUBJECT CODES
AEPA AEA CD CEC CFC DFCM CK ECM ECCA ECCB

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

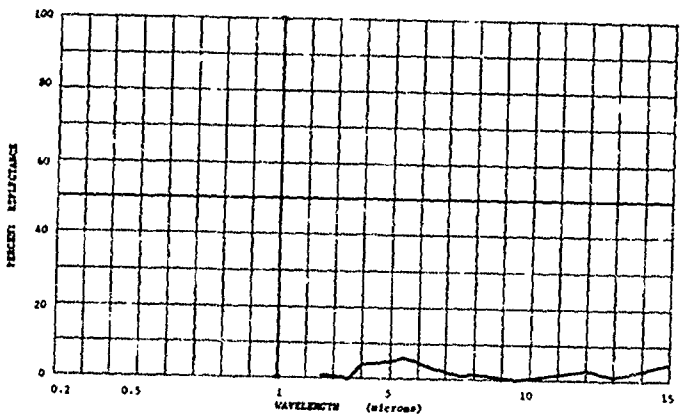


ARM-13

803463-053 PROVEN FLAT WHITE SP-19.

SUBJECT CODES
AEPA AEA CCA CEC CFC ECCB ECCC ECCC
ECCE

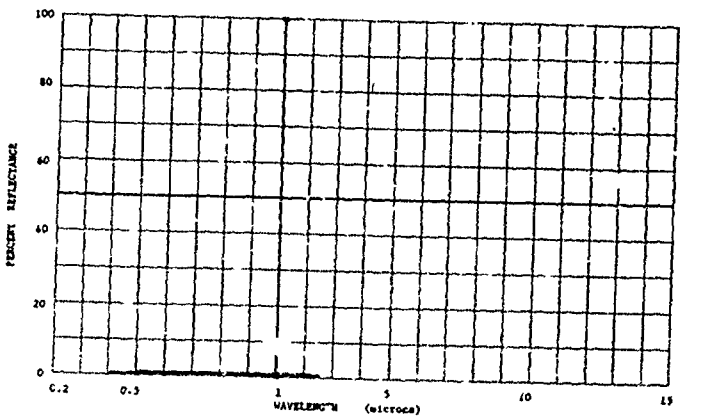
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803463-056 SHERWIN WILLIAMS SUPER KEMICNE SHASTA WHITE NO. 793.

SUBJECT CODES
AEPA AEA CC CEC CFC DFCH CK ECB FCCA ECCB

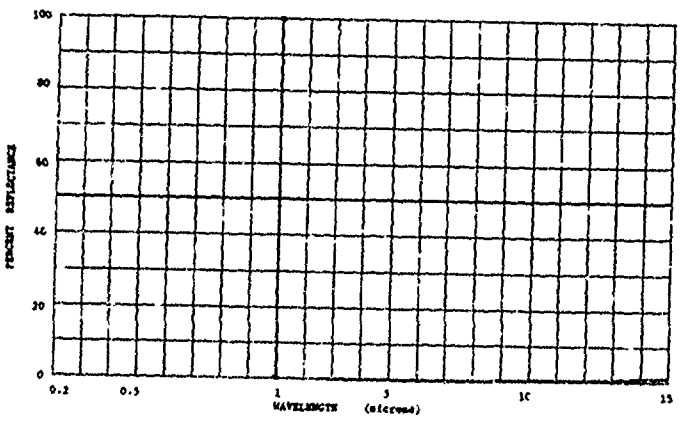
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803463-060 SHERWIN WILLIAMS SUPER KEMICNE SHASTA WHITE NO. 793.

SUBJECT CODES
AEPA AEA CCA CEC CFC DFCH CK CCCH ECCC ECCD
ECCE

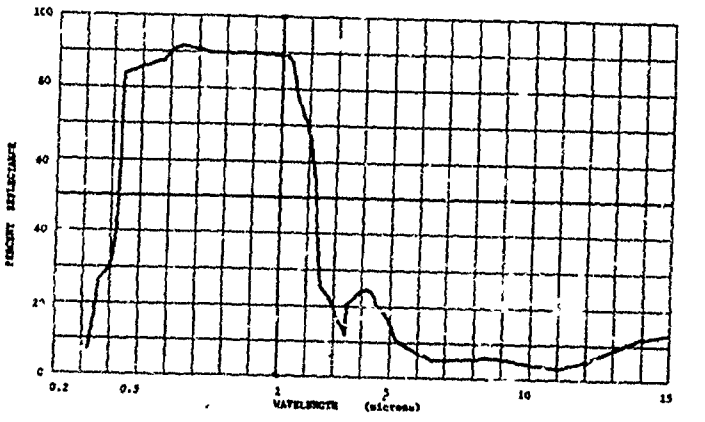
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803959-010 PV-103 WHITE PAINT ON ALUMINUM SUBSTRATE, THICKNESS 250 MICRONS.

SUBJECT CODES
AEPA AEA CC CEC CFA CK ECAD ECB FCCA ECCB
CCCC ECCC ECCE

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

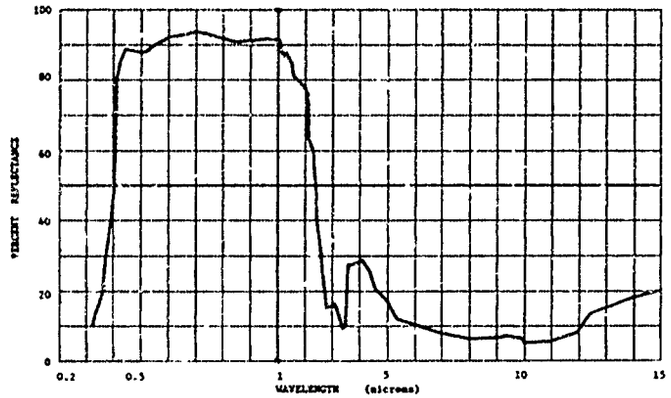


ATM-7A

803959-011 PV-100 WHITE PAINT ON ALUMINUM SUBSTRATE, THICKNESS 750 MICRONS.

SUBJECT CODES
AEPA AEA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

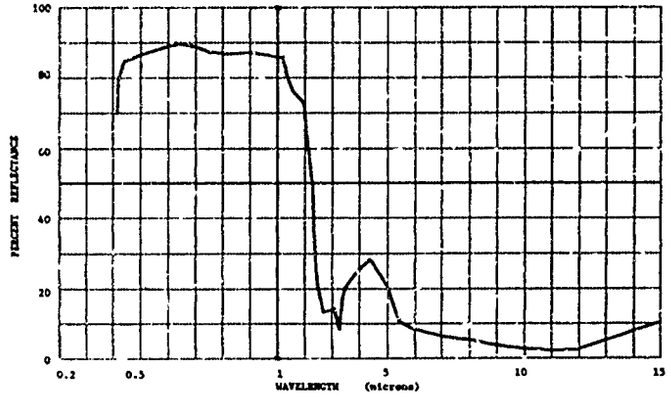
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= 1
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-012 PV-100 WHITE PAINT ON ALUMINUM SUBSTRATE, THICKNESS 75 MICRONS.

SUBJECT CODES
AEPA AEA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

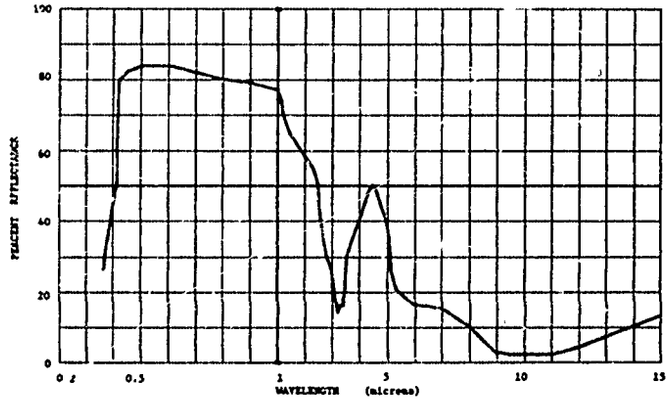
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-013 PV-100 WHITE PAINT ON ALUMINUM SUBSTRATE, THICKNESS 25 MICRONS.

SUBJECT CODES
AEPA AEA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

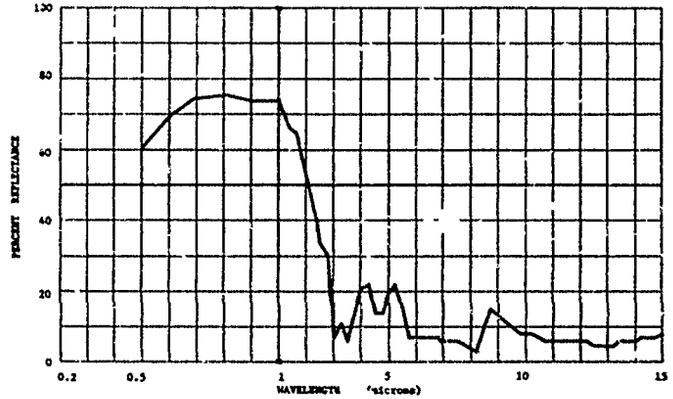
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-076 WHITE PAINT DUSTED WITH POWDERED GLASS R MIL ON ALUMINUM.

SUBJECT CODES
AEA AEPA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

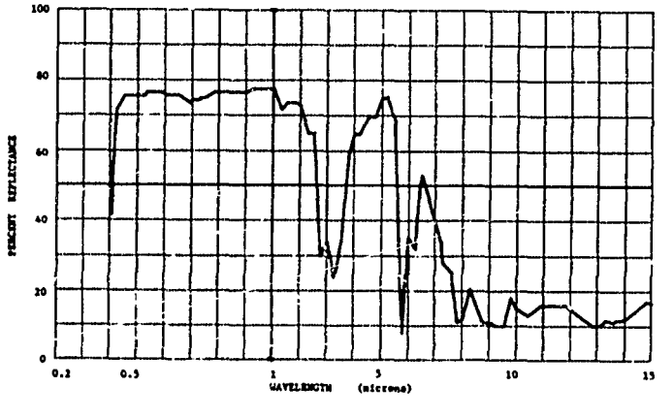


AEM 75

804979-115 WHITE ALKYD RESIN PAINT, 2 COATS, ON SILVER PLATE ON EPON GLASS.

SUBJECT CODES
AEPA AEMPAB AEL CD CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCC ECCE

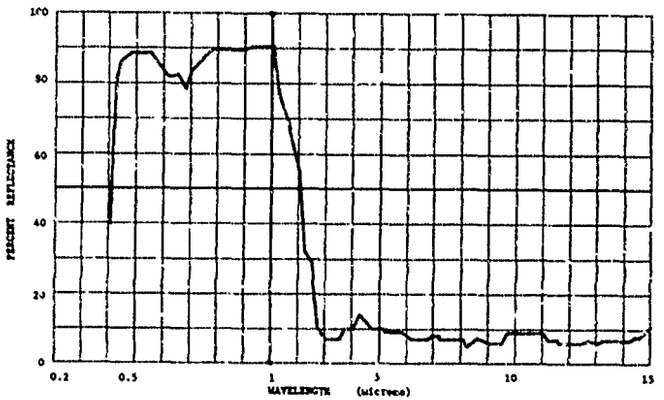
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



804979-116 WHITE EPOXY RESIN PAINT ON ALUMINUM.

SUBJECT CODES
AEPA AEMPA AEA CD CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCC ECCE

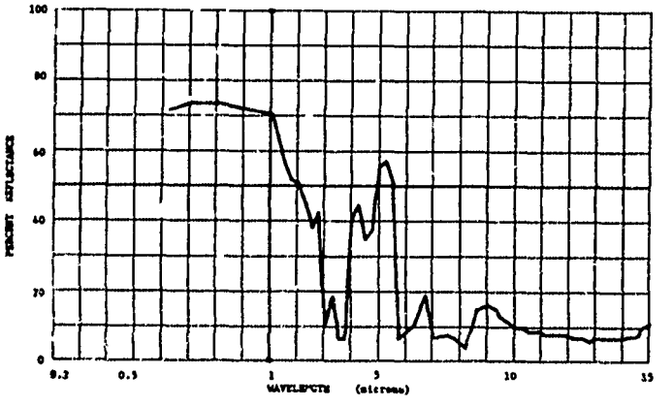
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



804979-117 FLAT WHITE PAINT ON 2 MIL POLISHED ALUMINUM.

SUBJECT CODES
AEPA AEA CD CEC DFA CK ECAD ECB ECCA ECCA
ECCC ECCC ECCE

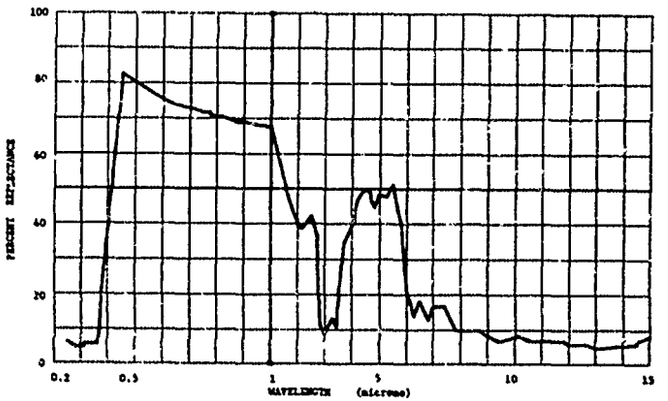
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



804979-118 WHITE EPOXY RESIN PAINT OF MAGNESIUM.

SUBJECT CODES
AEPA AEMPA AEL CD CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCC ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

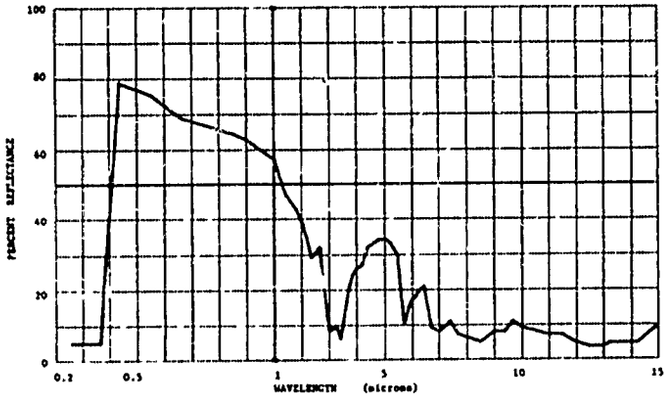


AEM 16

804979-119 FLAT WHITE ACRYLIC RESIN ON 22 MIL STAINLESS STEEL.

SUBJECT CODES
AEPA AEPPA AEL CC CEC DFA EK ECAD ECB ECCA
ECCB ECCC ECCE ECCF

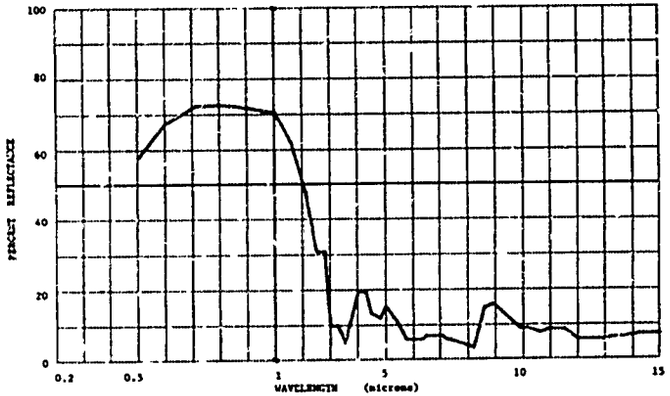
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBS/= TTEPP= BINC SP= BIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-120 WHITE PAINT MIXED WITH POWDERED GLASS 7 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEPA AEJ AEA CD CFC DFA EK ECAC ECB ECCA
ECCB ECCC ECCD ECCE

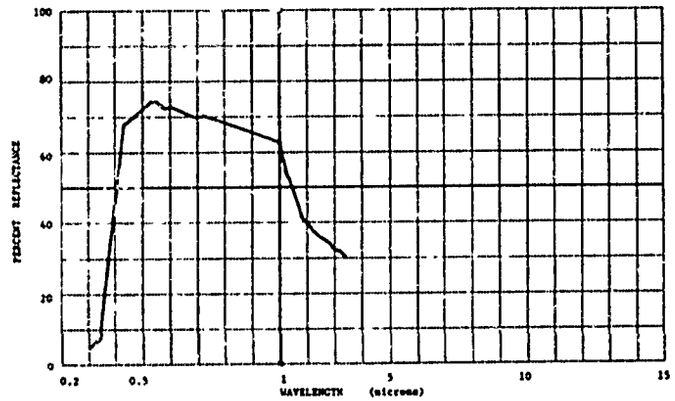
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BINC SP= BIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-126 WHITE ALKYD RESIN PAINT MIL-E-10687 2 COATS ON ZINC CHROMATE PRIMER.

SUBJECT CODES
AEPA AEPPA CCC CEC CFA DK ECAD ECB ECCA ECCB
ECCC

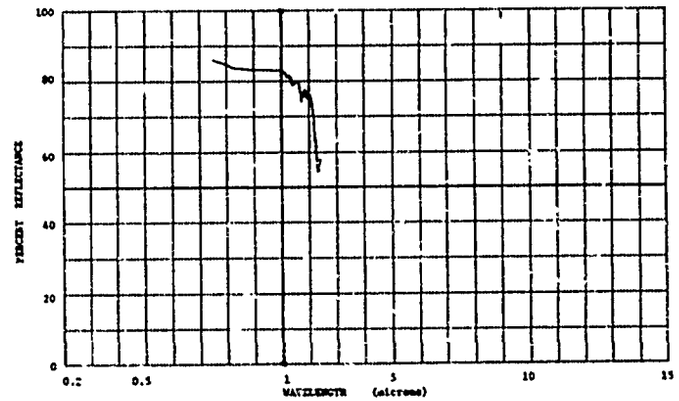
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 20.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BINC SP= BIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



610000-120 3M WHITE PAINT ON ALUMINUM.

SUBJECT CODES
ACPA AEA CCA CEL EPAA DFCB EK ECCA ECCB

PARAMETER INFORMATION
CATE= 3D 6 6E TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= BINC SP= BIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

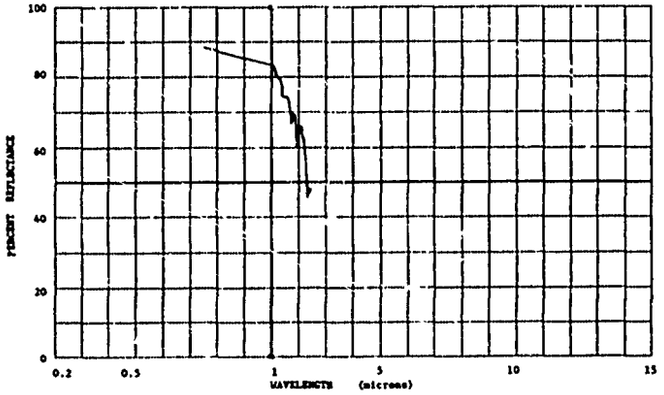


ARM 77

820000-170 3M WHITE PAINT ON ALUMINUM, FRESHLY PAINTED.

SUBJECT CODES
AEPA AEA CDA CEC CPAA DFCE EK ECCA ECCB

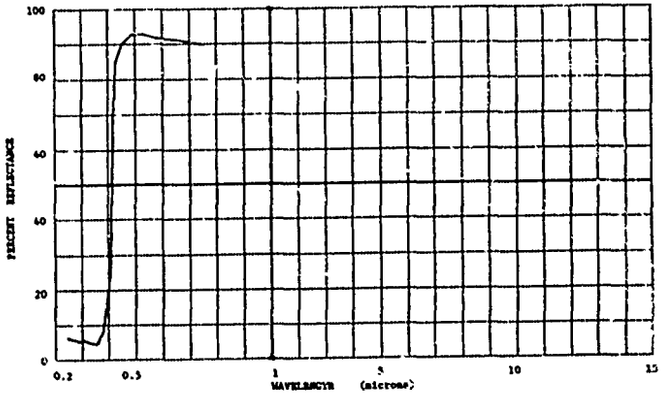
PARAMETER INFORMATION
CATE= 30 4 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.C IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



820000-190 3M WHITE PAINT ON ALUMINUM, FRESHLY PAINTED.

SUBJECT CODES
AEPA AEA CDA CEC CPAA DFCE EK ECAC ECAD ECB
ECCA

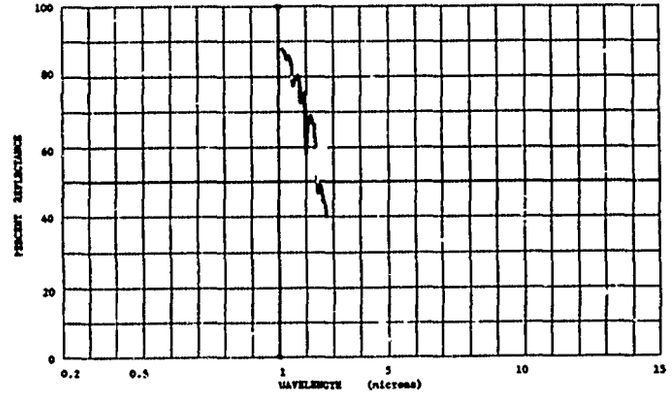
PARAMETER INFORMATION
CATE= 1 7 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.C IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



820000-350 PAINT, 3M WHITE VELVET.

SUBJECT CODES
AIR4 AEA CDA CED CPAA DFCE DK ECCA
ECCB

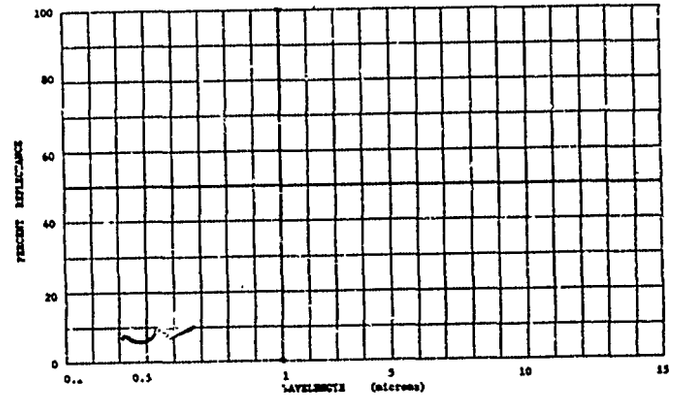
PARAMETER INFORMATION
CATE= 22 8 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT N AVE= 1



H04642-G01 3-P OLIVE DRAB PAINT, WEATHERED.

SUBJECT CODES
AEMB ECBBE CD CED CPAB DK ECB

PARAMETER INFORMATION
CATE= 01 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IR%= E
COST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT N AVE= 1



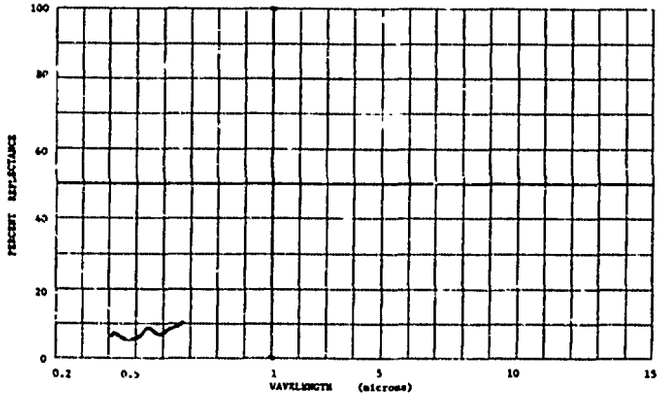
ATM 76

804642-002 3-P OLIVE DRAB PAINT, FRESH.

SUBJECT CODES
AEM0 SPE01 CD CEC CFA0 CK ECB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTE/P= WINC SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

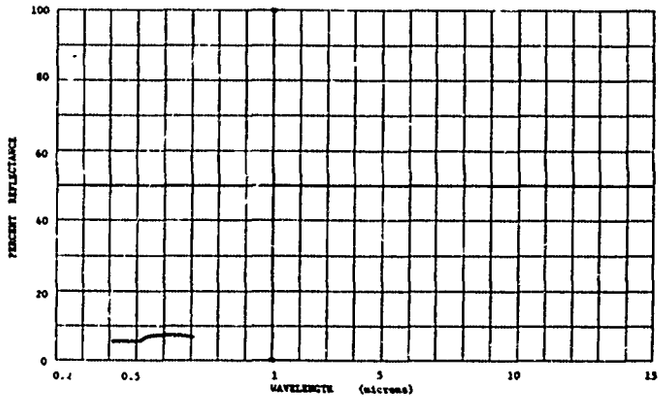


804642-003 SEPI-GLOSS OLIVE DRAB PAINT (MIL. SPEC. TT-E-527A), FRESH.

SUBJECT CODES
AEM0 ECB01 CD CEC CFAA CK ECB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

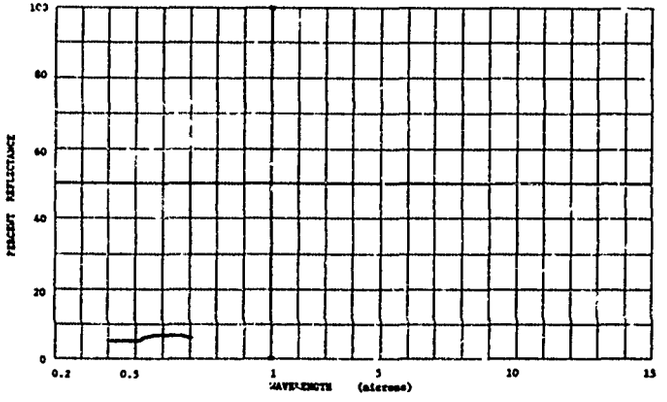


804642-004 SEPI-GLOSS OLIVE DRAB PAINT (MIL. SPEC. TT-E-527A), FRESH.

SUBJECT CODES
AEM0 ECB01 CD CEC CFAA CK ECB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

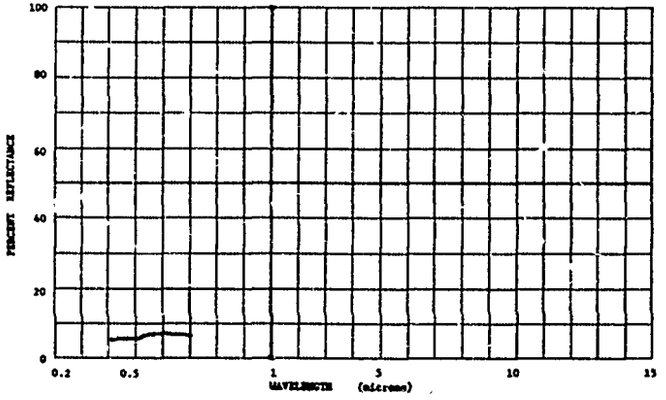


804642-005 GLOSSY OLIVE DRAB PAINT (MIL. SPEC. TT-E-527A), FRESH.

SUBJECT CODES
AEP0 ECB01 CD CEC CFAA CK ECB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1



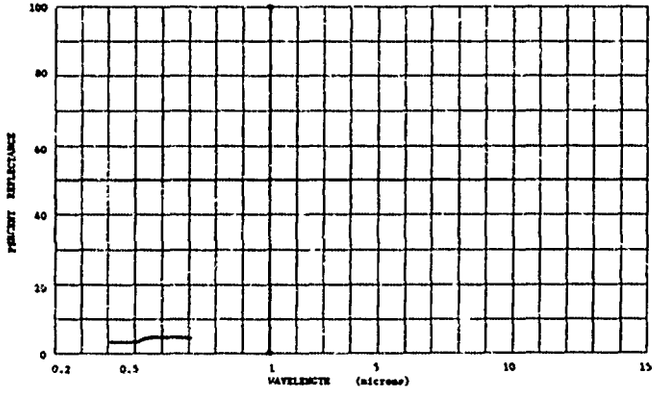
ASM 19

804642-006 GLOSSY OLIVE DRAB PAINT (MIL. SPEC. TT-E-527A), FRESH.

SUBJECT CODES
AEM8 EC881 CD CED CFAB DK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

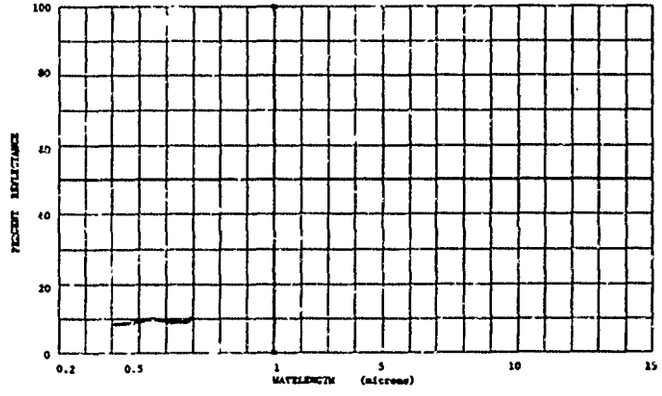


804642-010 IR REFLECTING OLIVE DRAB PAINT (MIL-E-46081), FRESH.

SUBJECT CODES
AEM8 EC881 CD CED CFAA DK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=

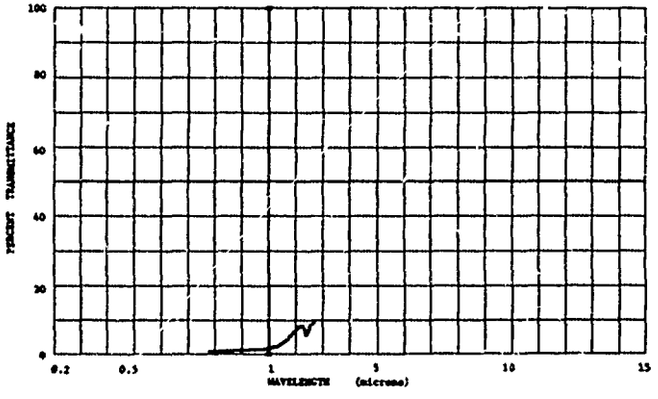
TEMP= DEW PT= N AVE= 1



804809-049 PAINT, OLIVE DRAB, GLYPTOL 2527, ON QUARTZ.

SUBJECT CODES
AEP3 EC881 BFL CC CED DIA DK ECAC ECB ECCA
ECCB

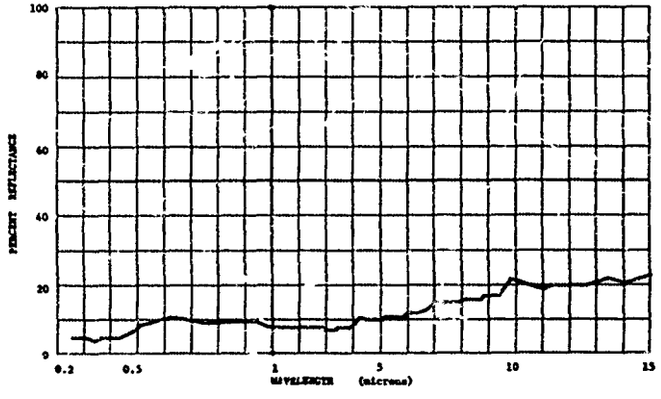
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-109 OLIVE DRAB PAINT, 2 COATS, ON 1 COAT ZINC CHROMATE ON RESIN IMPREGNATED FIBERGLASS.

SUBJECT CODES
AEP8 EC881 AEJ CD CED DFA DK ECAC ECB ECCA
ECCB ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= 80 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

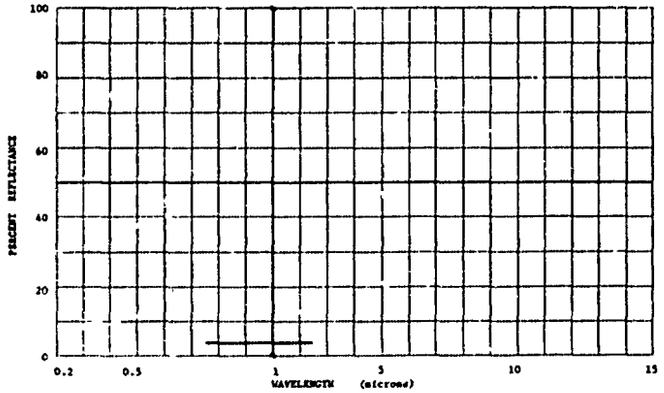


ASM 80

B2C0CO-226 CLIVE CRAB PAINT ON ALUMINUM.

SUBJECT CODES
AEPC EC901 AEA CDA CEC DFAA EPCC DK ECCA ECCB

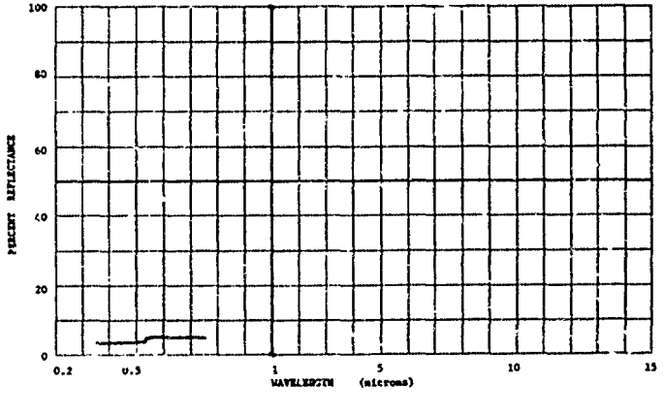
PARAMETER INFORMATION
CATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C0CO-227 CLIVE CRAB PAINT ON ALUMINUM.

SUBJECT CODES
AEPB EC901 AEA CDA CEC DFAA EPCB DK ECAC ECH
ECAA

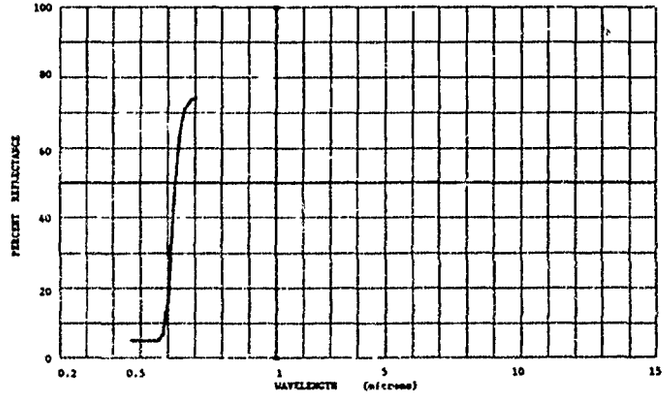
PARAMETER INFORMATION
CATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B033C3-GC3 GLOSSY RED PAINT.

SUBJECT CODES
AEPC CCB CEC CFA EPCC DK ECB

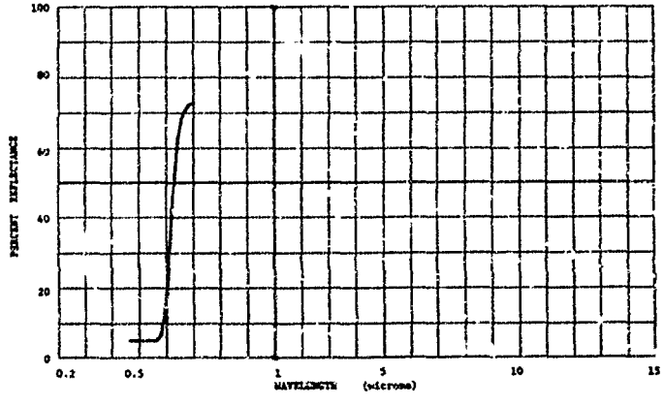
PARAMETER INFORMATION
CATE= 55 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= C



L03303-004 GLOSSY RED PAINT.

SUBJECT CODES
AEPC CCF CEC CFA EPCC DK ECB

PARAMETER INFORMATION
CATE= 55 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= C

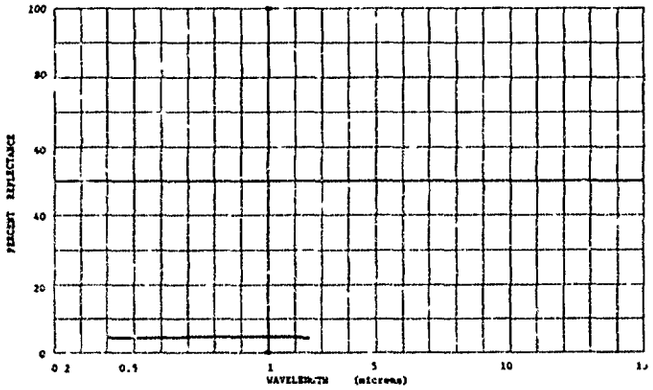


APR 81

S03463-051 RUSTOLEON NO. 1210 FIRE HYDRANT RED.

SUBJECT CODES
AEPC AEA CC CEC CFC DFCH CK ECB ECCA ECCH

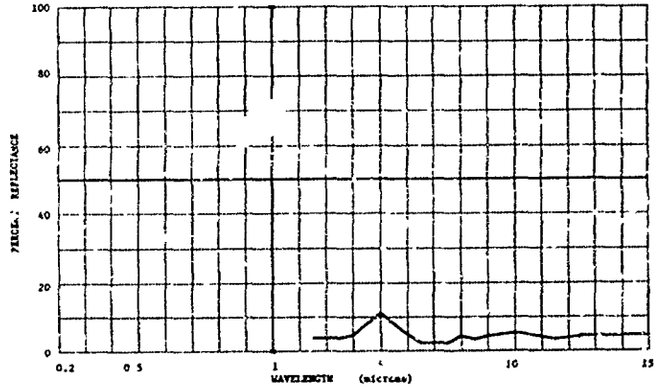
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= E.C IAZ= CN= E.O CAZ= IRR= E
CBST= ITEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



S03463-054 RUSTOLEON NO. 1210 FIR2 HYDRANT RED.

SUBJECT CODES
AEPC AEA CCA CEC CFC DFCH CK ECCB FSCC ECCC
ECCE

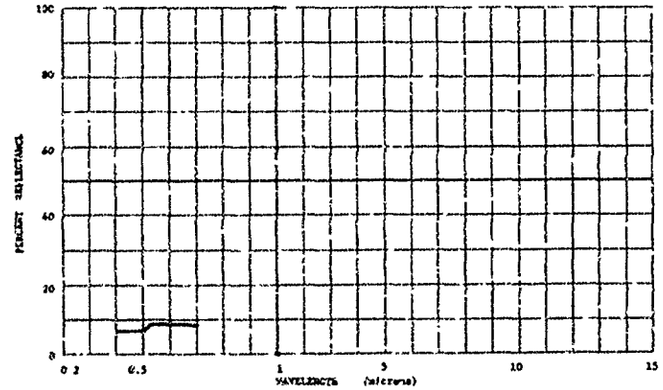
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3C.0 IAZ= CN= 3C.0 CAZ= IRR= E
CBST= ITEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



P03345-050 OLIVE DRAB SEMI-GLOSS DIPPED, TT-E-489 OVER RED OXIDE PRIMER

SUBJECT CODES
CED DFA AEHB ECBBI ECH AEHCA

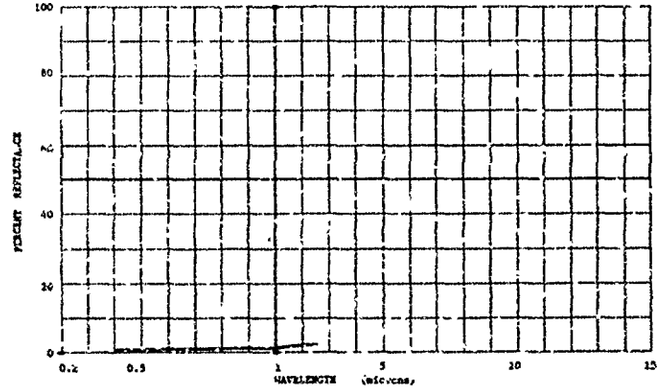
PARAMETER INFORMATION
CATE= TIME= LAT= LONG= ALT= RANGE=
CAYS REM IN= IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE=



S03463-032 ACRYLIC QUALITY SPRAY ENAMEL NO. 6CS. ALUMINUM.

SUBJECT CODES
AEPC AEA CC CEC CFC DFCH CK ECB ECCA ECCH

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CN= E.O CAZ= IRR=
CBST= ITEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

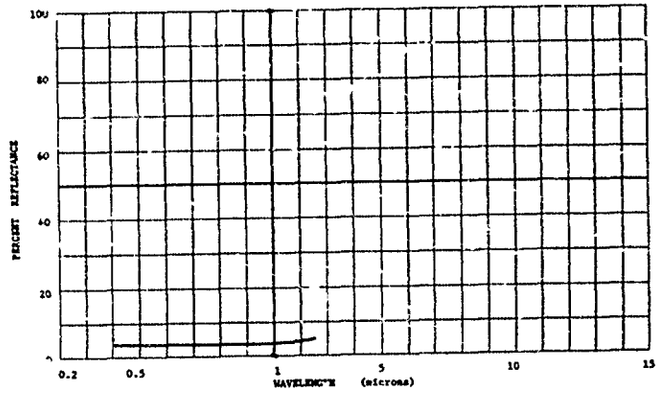


28 MAY

BC3463-027 HIGH HEAT ALUMINUM NO. 324.

SUBJECT CODES
AEPC AEA CD CEC CFC DFCH CK CCG ECCA ECCR

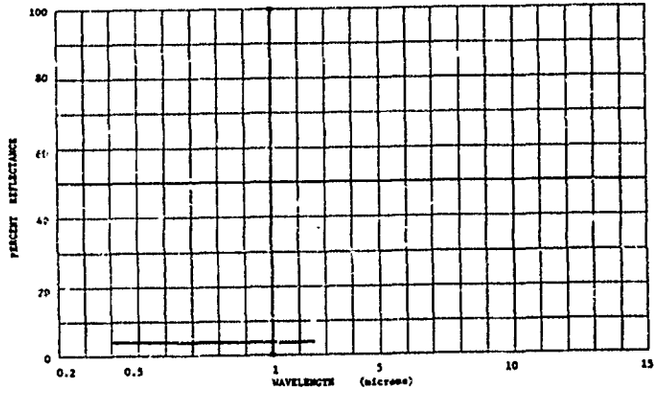
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CM= 8.0 CPZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



BC3463-029 KERPC C.D. SPRAY METALLIC GRAY ENAMEL.

SUBJECT CODES
AEPC ECCBK AEA CC CEC DFC CFCH DK ECB ECCA
ECCB

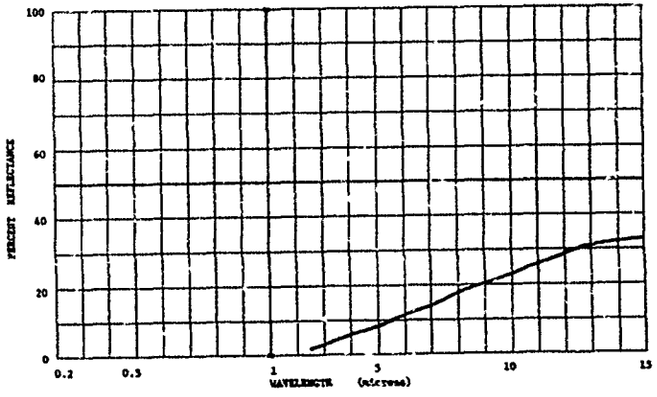
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.C IAZ= CM= 8.C CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



BC3463-031 HIGH HEAT ALUMINUM NO. 324.

SUBJECT CODES
AEPC AEA CCA CFC CFC DFCH CK ECCB ECCC ECCC
ECCE

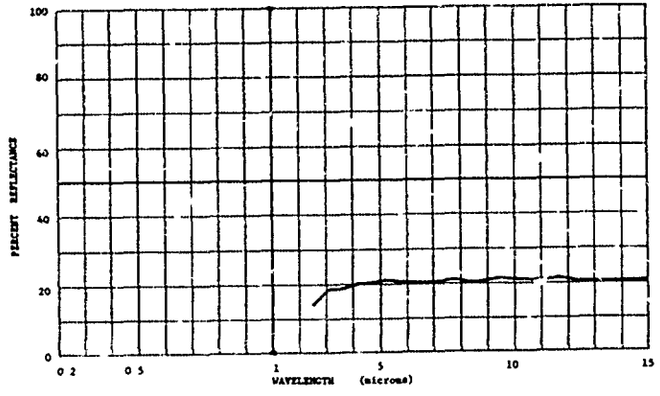
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3C.C IAZ= CM= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



BC3463-087 ACME QUALITY SPRAY ENAMEL NO. 803. ALUMINUM.

SUBJECT CODES
AEPC AEA CCA CEC CFC DFCH CK ECCB ECCC ECCC
ECCE

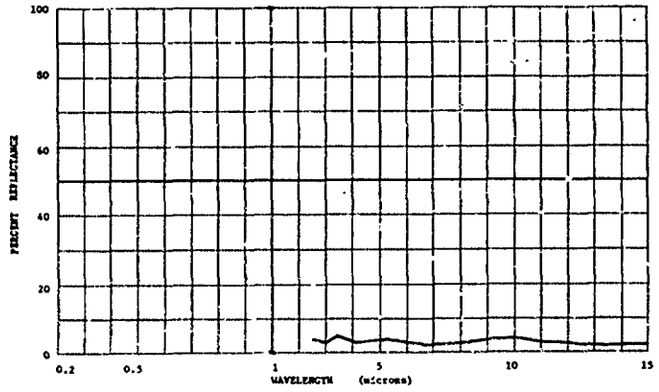
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3C.C IAZ= CM= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



803463-033 KERPO C.O. SPRAY METALLIC GRAY ENAMEL.

SUBJECT CODES
AEPC ECOBR AEA CDA CEC DFC DFCH DK ECCB ECCC
ECCC ECCE

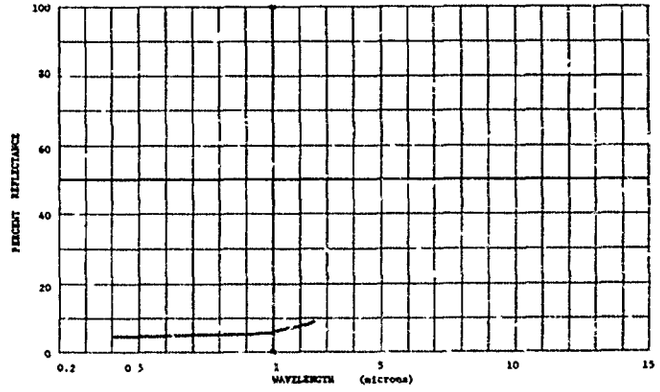
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-035 KRYLON BRIGHT SILVER ALUMINUM NO. 1401.

SUBJECT CODES
AEPC AEA CC CEC CFC DFCH CK ECN ECCA ECCH

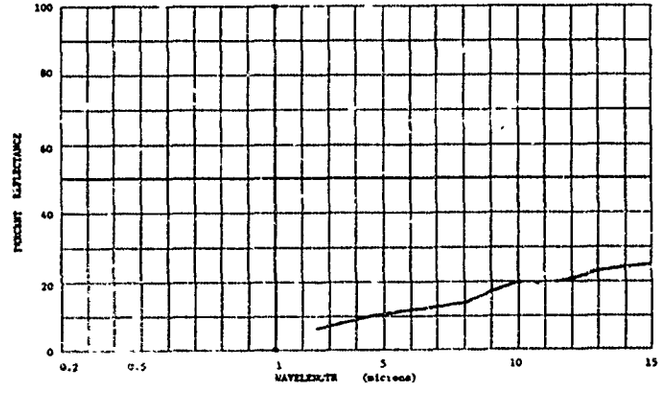
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS
TEPP= DEW PT= N AVE= 1



803463-039 KRYLON BRIGHT SILVER ALUMINUM NO. 1401.

SUBJECT CODES
AEPC AEA CDA CEC CFC DFCH CK ECCB ECCC ECCE
ECCE

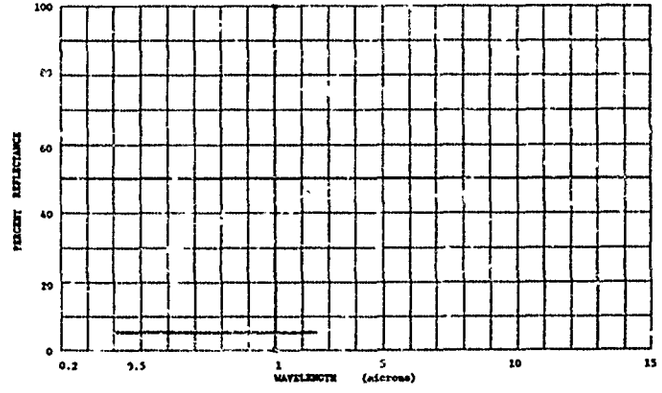
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803463-045 METALTECHE HAMMER FINISH SILVER.

SUBJECT CODES
AEPC AEA CC CEC CFC DFCH CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 8.0 IAZ= CN= 8.0 CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

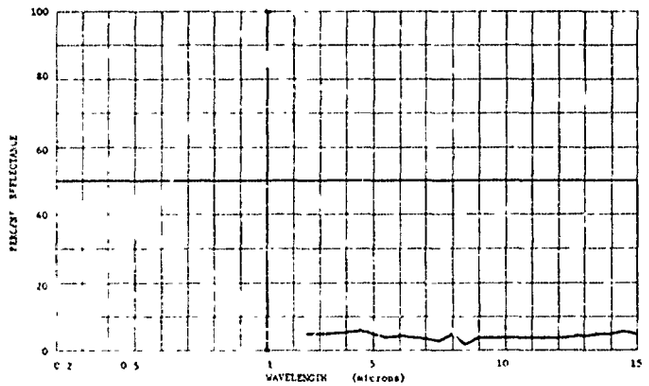


AEK-84

B03463-048 METALTONE HAMMER FINISH SILVER.

SUBJECT CODES
AEPC AEA CCA CEC CFE DFAP EK ECCH ECCC ECCG
ECCE

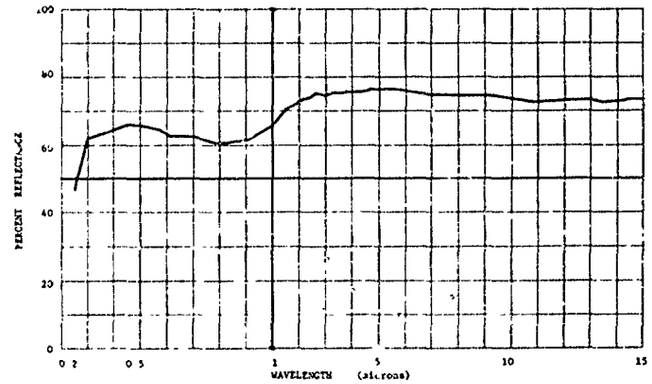
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 30.0 IAZ= CN= 30.0 CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B04979-1C6 CHROMATONE SILVER FINISH, ALKYD BASE, 2 COATS.

SUBJECT CODES
AEPFAB AEPC CC CEC CFA EK ECAD ECB ECCA ECCH
ECCC ECCG ECCE

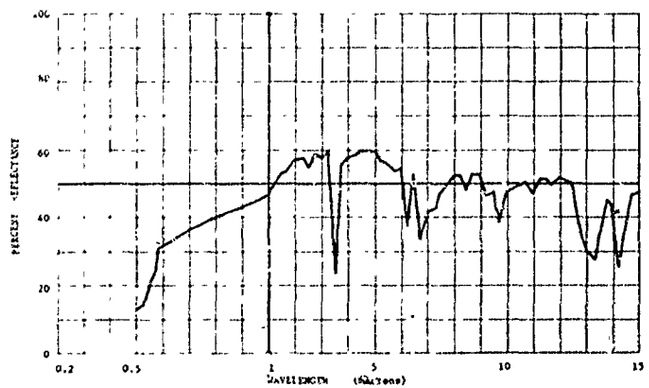
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B04979-1C7 CHROMATONE GOLD FINISH, ALKYD BASE, 2 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEPFAB AEPC AEA CC CEC DFA EK ECAD ECB ECCA
ECCH ECCC ECCE ECCE

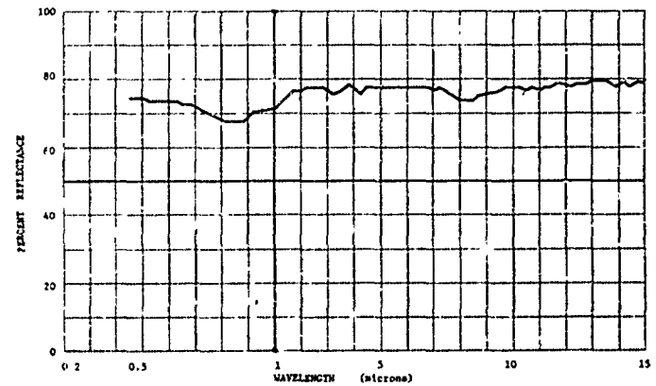
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B04979-094 ALUMINIZED SILICONE RESIN PAINT ON STAINLESS STEEL.

SUBJECT CODES
AEPCA AEPFA AEL CC CEC DFA EK ECAD CCH ECCA
ECCB ECCC ECCD ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

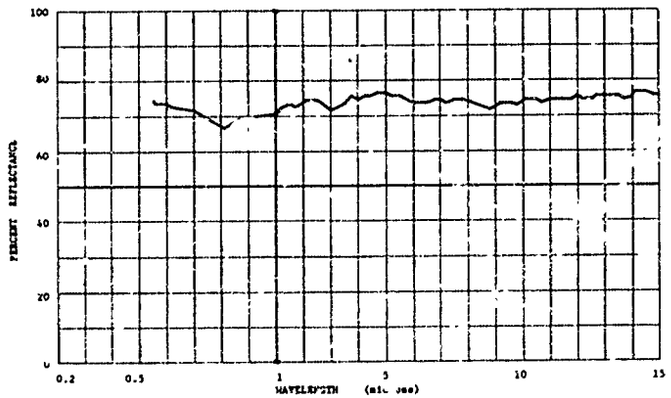


AEM 85

804979-097 ALUMINIZED SILICONE RESIN PAINT ON STAINLESS STEEL.

SUBJECT CODES
AEPCA AEPFA AEL CC CEC DFA CK ECAD ECB ECCA
ECCD ECCC ECCC ECCE

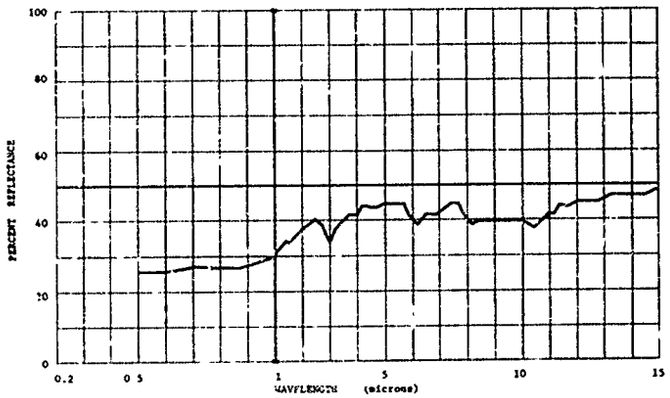
PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-096 ALUMINIZED SILICONE RESIN SPRAY ON STAINLESS STEEL.

SUBJECT CODES
AEPCA AEPFA AEL CC CEC DFA CK ECAD ECB ECCA
ECCD ECCC ECCC ECCE

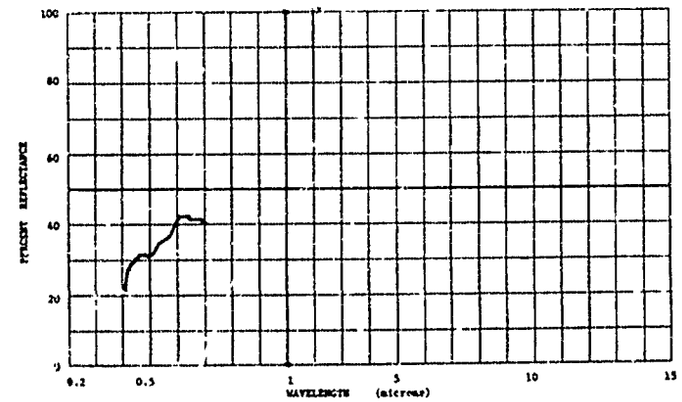
PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804642-007 PAINT TAKEN FROM UAZ-69C, 3/4 TON RUSSIAN VEHICLE.

SUBJECT CODES
AEMF CC CEC CFAA CK ECB

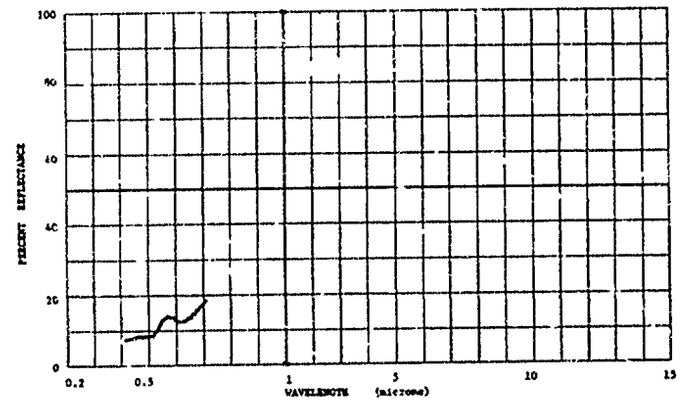
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



804642-008 PAINT TAKEN FROM A PT-76 RUSSIAN VEHICLE.

SUBJECT CODES
AEME CC CEC CFAA CK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1

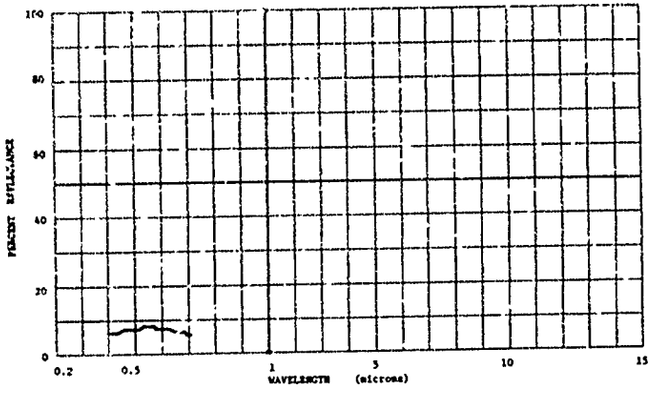


ATM 88

BC4642-009 PAINT TAKEN FROM A GAZ-69M, 1/4 TON RUSSIAN VEHICLE.

SUBJECT CODES
AEMI CI CEC CPAA CK ECB

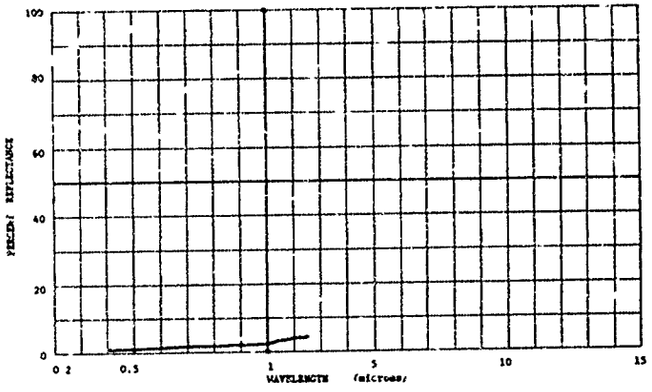
PARAMETER INFORMATION
CATE= 69 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CH= .0 CAZ= IRR= E
CBST= TTEPP= WIPE SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-036 KRYLON CRYSTAL CLEAR NO. 1301.

SUBJECT CODES
AEPF AEA CO CEC CFC DFCH CK ECB ECCA ECCB

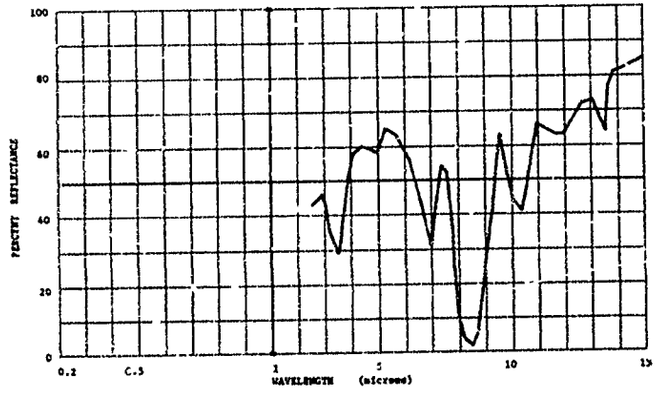
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 0.0 IAZ= CH= 0.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3463-040 KRYLON CRYSTAL CLEAR NO. 1301.

SUBJECT CODES
AEPF AEA CCB CEC CFC DFCH CK FCCB ECCC ECCD
ECCE

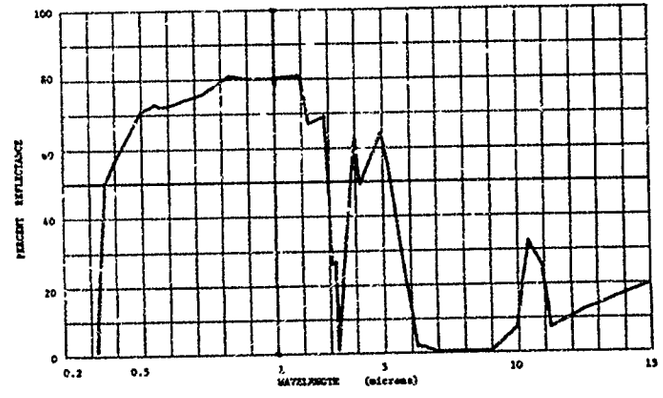
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 30.0 IAZ= CH= 30.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC3959-001 LAMINAR X-900 CLEAR FILM, THICKNESS 46 MICRONS.

SUBJECT CODES
AEPF LE CEC CI CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
CATE= 69 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CH= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

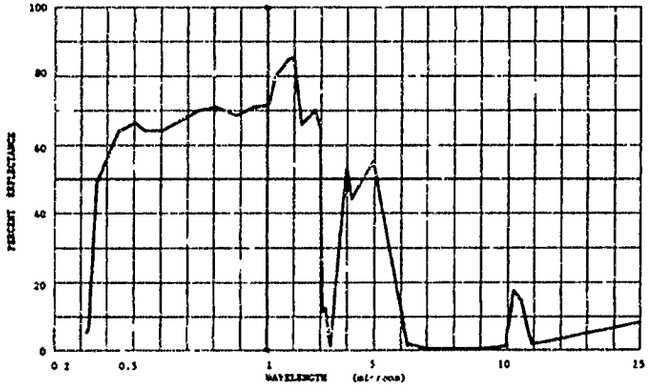


AEDI 87

803959-002 LAMINAR X-900 CLEAR FILM, THICKNESS 71 MICRONS.

SUBJECT CODES
AEPF CE CEF CI CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

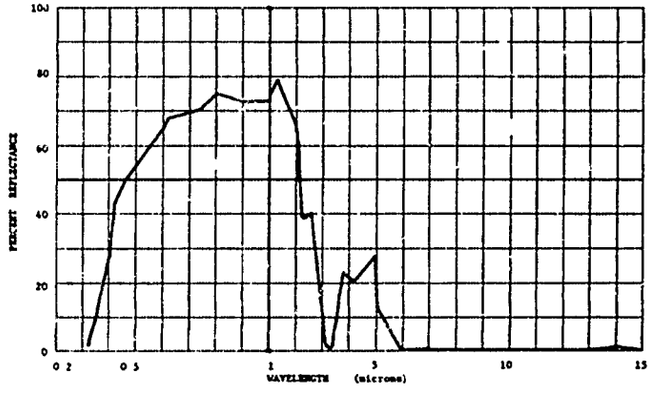
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-003 LAMINAR X-900 CLEAR FILM, THICKNESS 260 MICRONS.

SUBJECT CODES
AEPF CE CEC CI CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

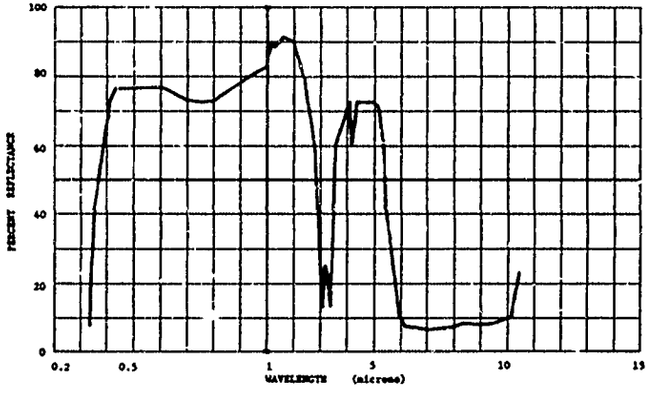
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-004 LAMINAR X-900 CLEAR FILM ON ALUMINUM SUBSTRATE, THICKNESS 79 MICRONS.

SUBJECT CODES
AEPF AEA CC CEC CFA CK ECAC ECB ECCA ECCB
ECCC ECCC ECCE

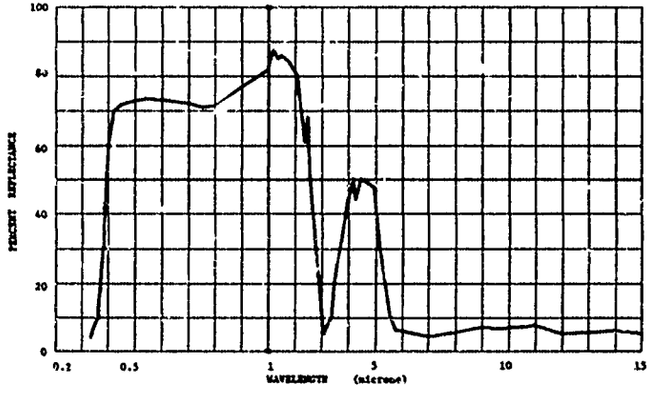
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-005 LAMINAR X-900 CLEAR FILM ON ALUMINUM SUBSTRATE, THICKNESS 71 MICRONS.

SUBJECT CODES
AEPF AEA CC CEC CFA CK ECAC ECB ECCA ECCB
ECCC ECCC ECCE

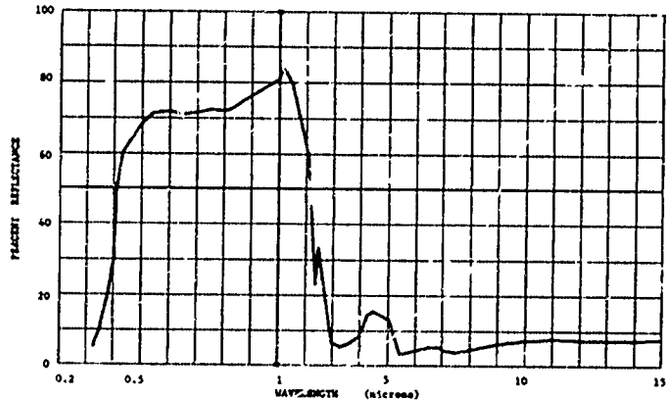
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803959-006 LAMINAR X-950 CLEAR FILM ON ALUMINUM SUBSTRATE, THICKNESS 200 MICRONS.

SUBJECT CODES
AEPF AEA CC CEC EPA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

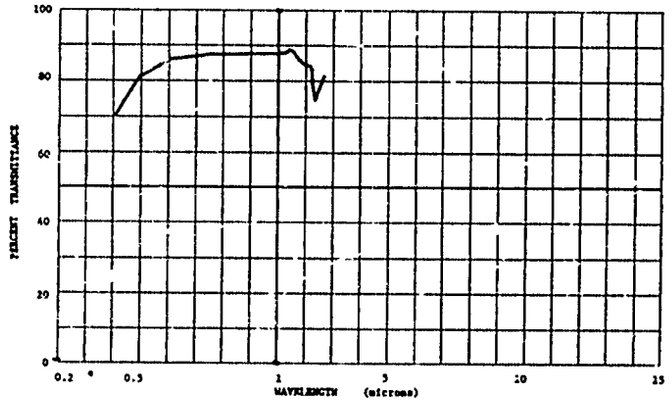
PARAMETER INFORMATION
CATE= 05 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1



804805-042 LACQUER, CLEAR, SEALER, ON QUARTZ.

SUBJECT CODES
AEPF AFL CC CEC EIS DK ECAD ECB ECCA ECCB

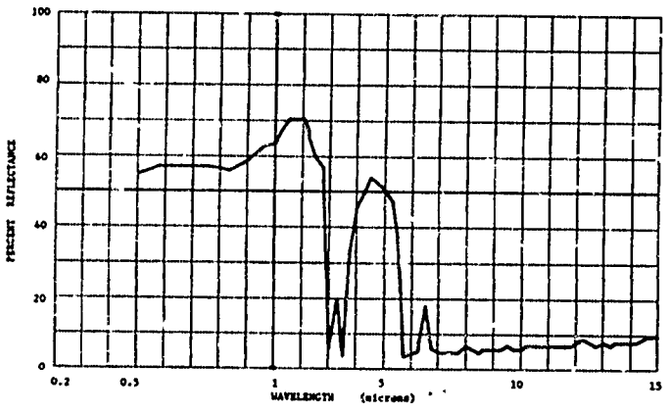
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1



804979-106 CLEAR LACQUER, 3 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEPF AEA CC CEC EPA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

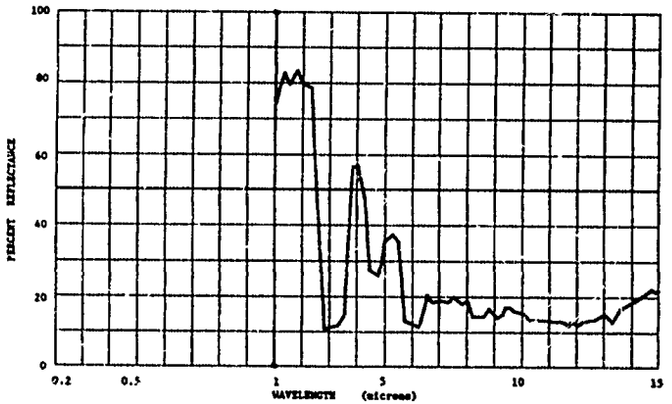
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1



804979-110 TURPENTINE AND LINSEED OIL ON COPPER.

SUBJECT CODES
AEPF AEL CC CEC EPA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

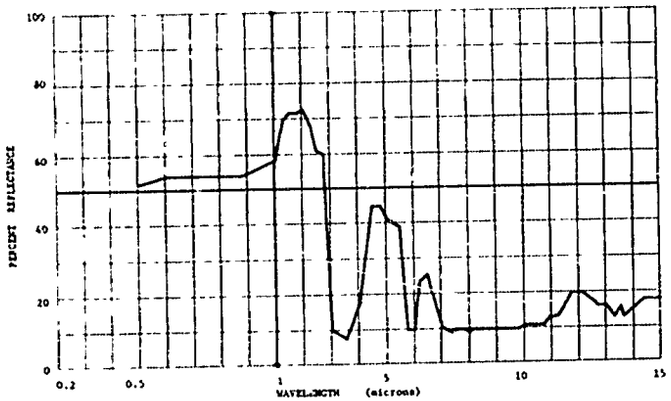
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLC= VIS=
IEPP= DEW PT= N AVE= 1



80.979-111 SHELLAC, 2 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
AEPP AEA CC CEC EPA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

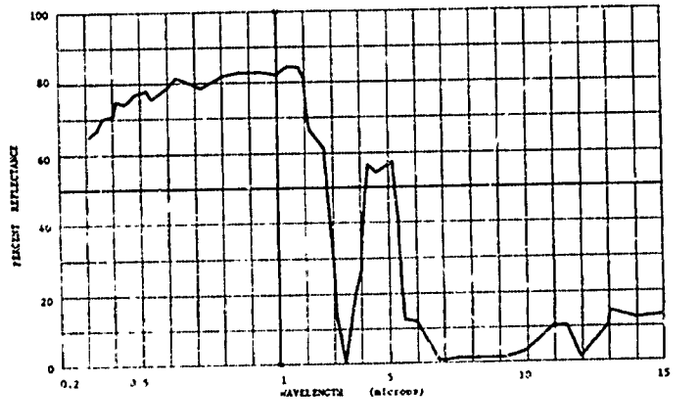
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= TAZ= CN= CAZ= IRR= E
CAST= TTEMP= WIND SP= WIND DI= CLZ= VIS=
TEMP= DEW PT= N AVE= 1



803959-008 CAT-A-LAC CLEAR FILM, THICKNESS 75 MICRONS.

SUBJECT CODES
AEPPA CC CEC CI CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

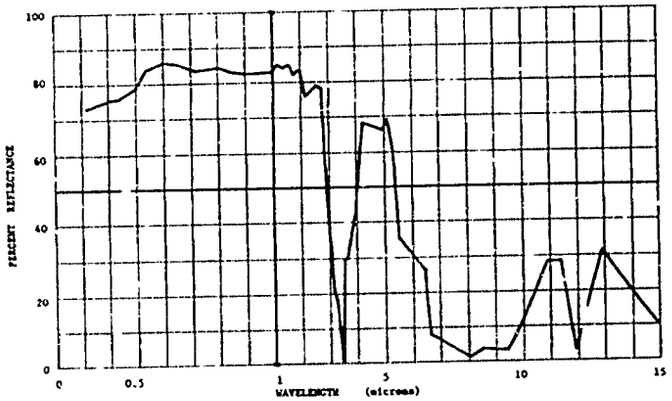
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= TAZ= CN= CAZ= IRR= E
CAST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803959-007 CAT-A-LAC CLEAR FILM, THICKNESS 43 MICRONS.

SUBJECT CODES
AEPPA CC CEC CI CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

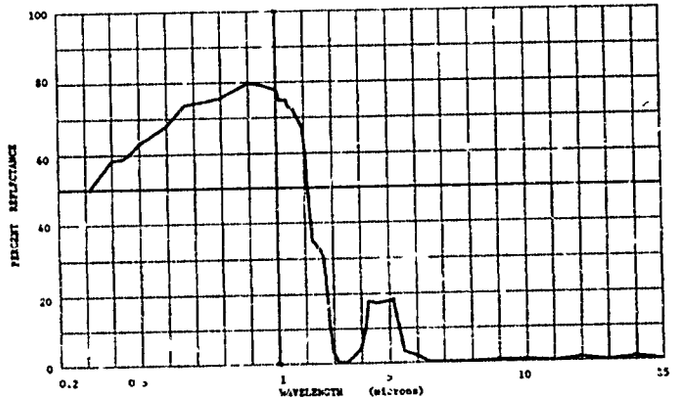
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= TAZ= CN= CAZ= IRR= E
CAST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803959-009 CAT-A-LAC CLEAR FILM, THICKNESS 250 MICRONS.

SUBJECT CODES
AEPPA CC CEC CI CK ECAC ECB ECCA ECCB ECCC
ECCC ECCE

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= TAZ= CN= CAZ= IRR= E
CAST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

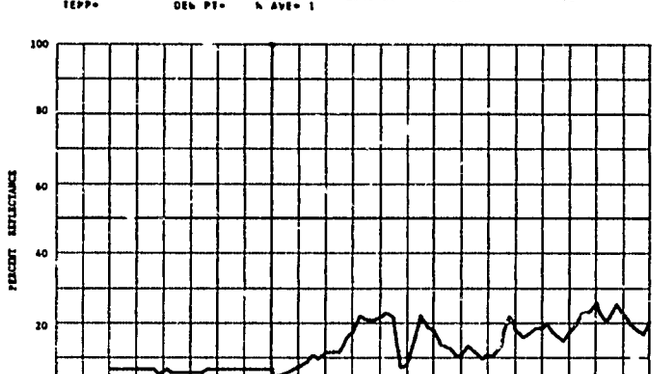


AEM 90

804979-101 BLACK ALKYD RESIN PAINT, SERGEANT BLACK, 2 COATS ON SILVER PLATED EPON GLASS.

SUBJECT CODES
AEPFAB ECB0L AEL CD CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCE ECCE

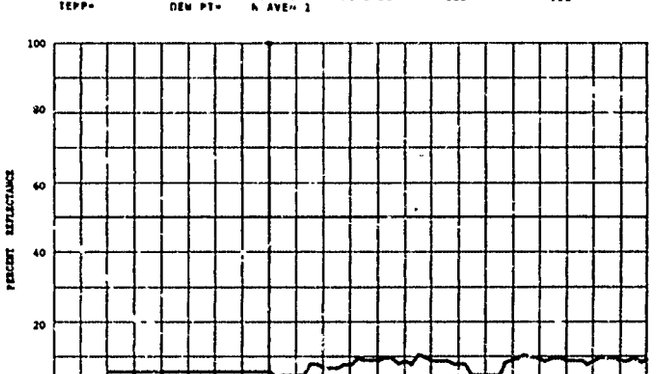
PARAMETER INFORMATION
DATE= AC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



804979-102 BLACK ALKYD RESIN PAINT, SERGEANT BLACK, 2 COATS ON 1 COAT ZINC CHROMATE ON MAGNESIUM.

SUBJECT CODES
AEPFAB ECB0L CD CEC DFA CK ECAD ECB ECCA ECCB
ECCL ECCD ECCE

PARAMETER INFORMATION
DATE= AC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

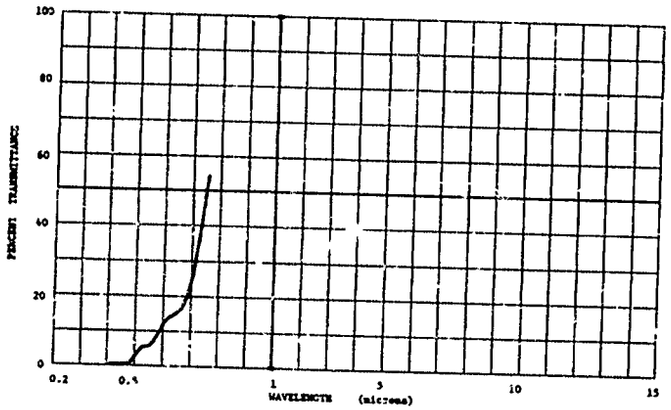


ASD 91

802250-014 ORANGE MIMEC BCND PAPER ON ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 26. UNDER EXPCSURE. 1/400 SEC.

SUBJECT CODES
CCB CEC CK CI AEN ECB8C ECB ECCA
DFCE

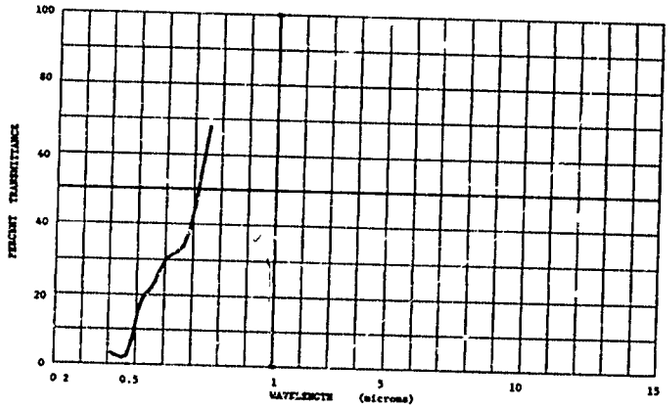
PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 h ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



802250-015 ORANGE MIMEC BCND PAPER ON ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 19. NCRMAL EXPCSURE. 1/100 SEC.

SUBJECT CODES
CCB CEC DF CI AEN ECB8C ECB ECCA
DFCE

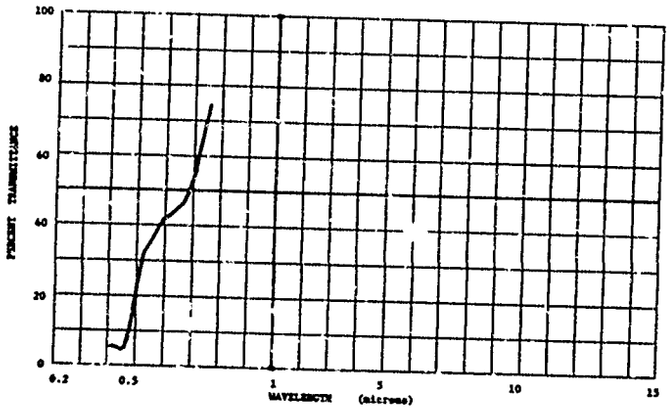
PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 h ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



802250-016 ORANGE MIMEC BCND PAPER ON ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 20. OVER EXPCSURE. 1/50 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB8C ECB ECCA
DFCE

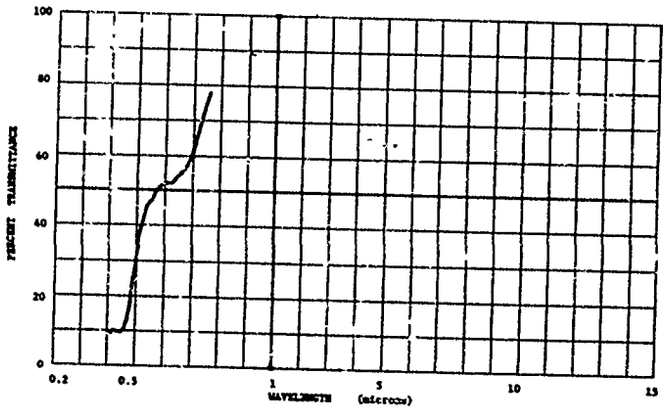
PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 h ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
T2PP= DEW PT N AVE= 1



802250-017 ORANGE MIMEC SCND PAPER ON ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 21. OVER EXPCSURE. 1/25 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB8C ECB ECCA
DFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 h ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



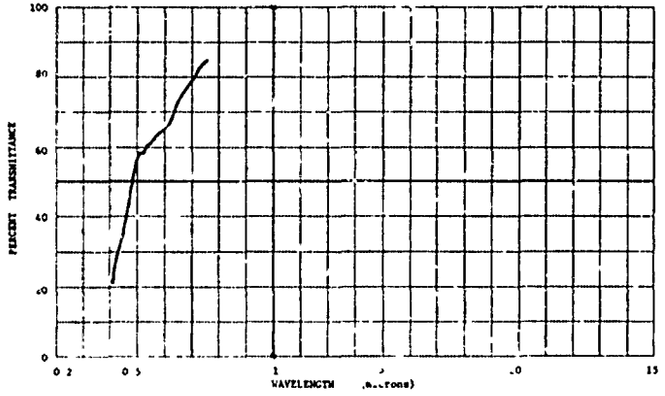
AEM 5

8G2250-018 ORANGE MIMEC BCAD PAPER CA ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 22. CVER EXPCSURE. 1/10 SEC.

SUBJECT CCDES
CCB CEC DK CI AEN ECBBC ECB ECCA
CPCE

PARAMETER INFORMATICN
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW P= N AVE= 1

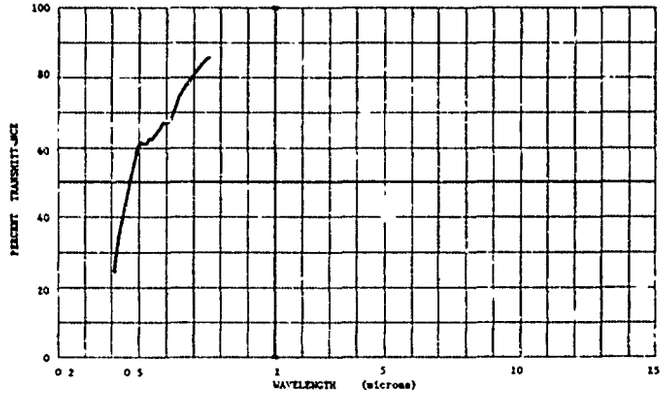


8G2250-019 ORANGE MIMEC BCAD PAPER CA ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 23. CVER EXPCSURE. 1/5 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECBBC ECB ECCA
CPCE

PARAMETCR INFORMATICN
LATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

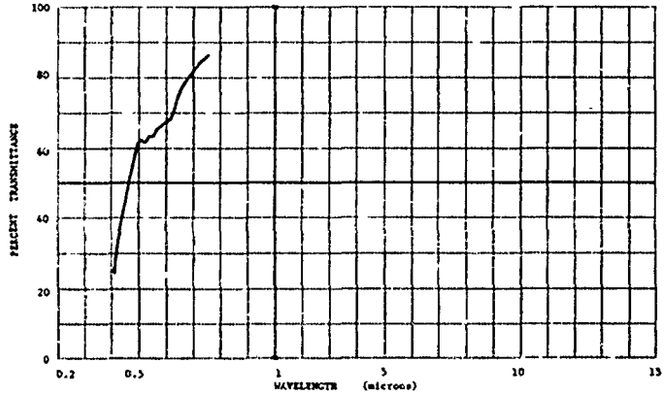


8G2250-020 ORANGE MIMEC BCAD PAPER CA ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 24. CVER EXPCSURE. 1/2 SEC.

SUBJECT CCDES
CCB CEC DK CI AEN ECBBC ECB ECCA
DFCE

PARAMETER INFORMATICN
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

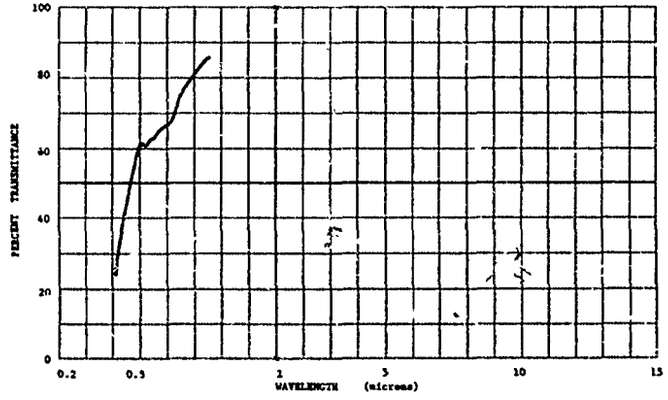


8G2250-021 ORANGE MIMEC BCAD PAPER CA ANSCO DAYLIGHT CCLCR FILM
EXP. NC. 25. CVER EXPCSURE. 1 SEC.

SUBJECT CODES
CC. CEC DK CI AEN ECBBC ECB ECCA
DFCE

PARAMETER INFORMATICN
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT-C N AVE= 1

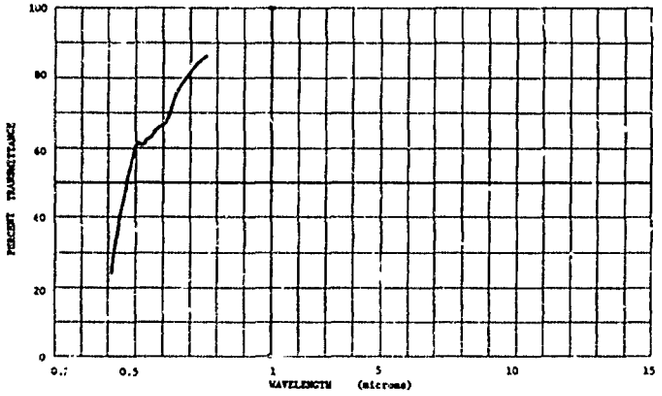


802250-022 ORANGE MINEC BOND PAPER ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 27. OVER EXPOSURE. 2 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECBBD ECB ECCA DFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

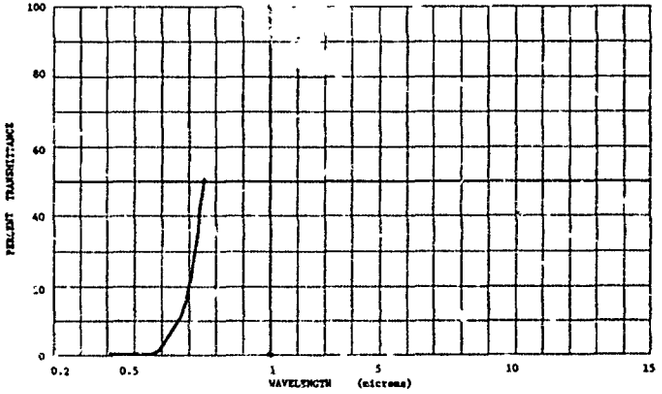


802250-023 REC RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 6. UNDER EXPOSURE. 1/4CO SEC.

SUBJECT CODES
CCB CEC DK CI ALN ECD ECCA DFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

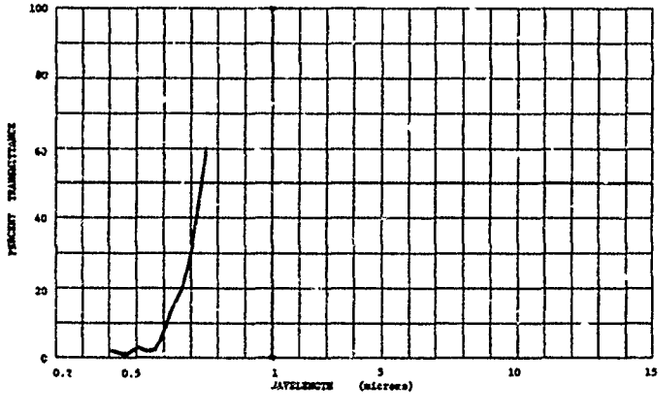


802250-024 REC RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 1. NORMAL EXPOSURE. 1/100 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA DFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

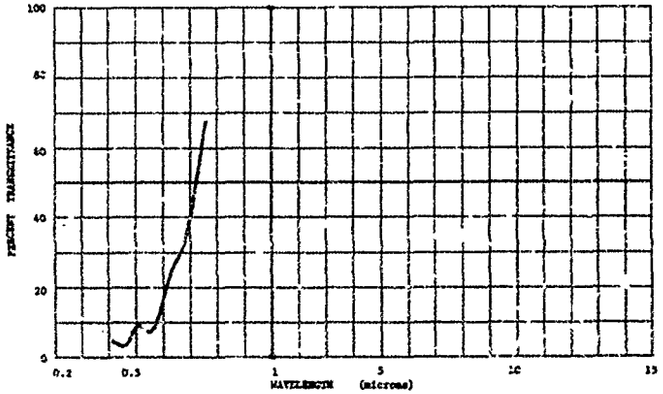


802250-025 REC RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 2. OVER EXPOSURE. 1/50 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA DFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1



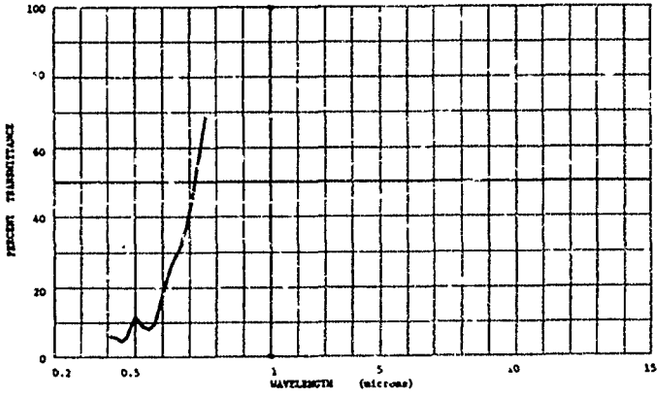
ANEX 5

802250-026 RED RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 3. OVER EXPOSURE. 1/25 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA CFCE

PARAMETER INFORMATION
DATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

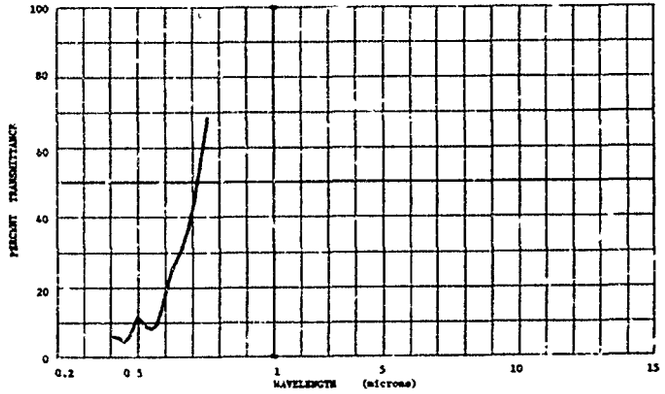


802250-027 RED RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 4. OVER EXPOSURE. 1/10 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA CFCE

PARAMETER INFORMATION
DATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

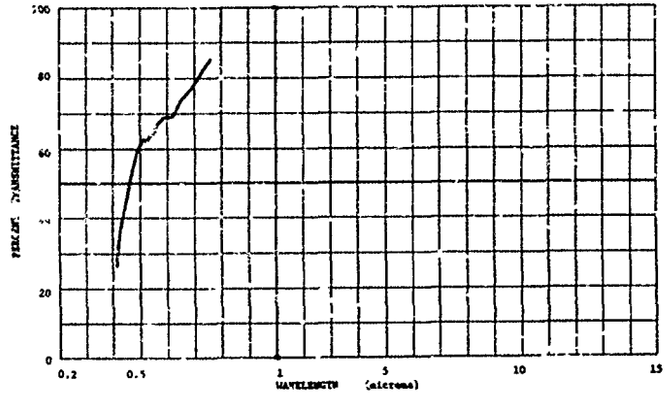


802250-028 RED RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 5. OVER EXPOSURE. 1/5 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA CFCE

PARAMETER INFORMATION
DATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

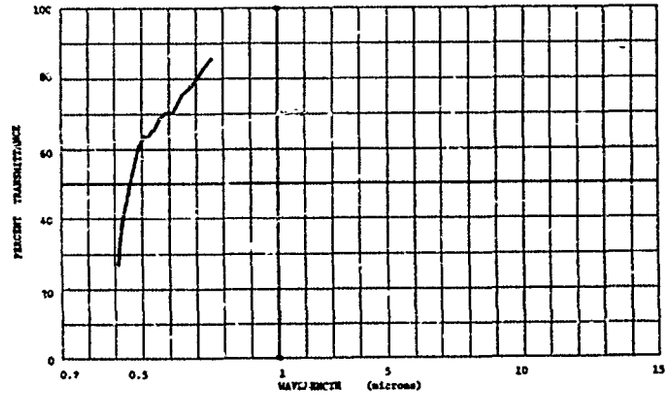


802250-029 RED RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 6. OVER EXPOSURE. 1/2 SEC.

SUBJECT CODES
CCB CEC DK CI AEN ECB ECCA CFCE

PARAMETER INFORMATION
DATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1



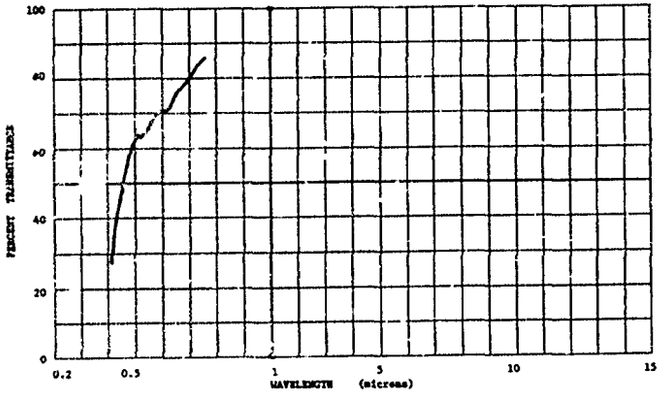
AEN 6

B02250-030 REC RAILROAD BOARD CARCBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 7. OVER EXPOSURE. 1 SEC.

SUBJECT CODES
CCB CEC DK DI AEN ECB ECCA CFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CRST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

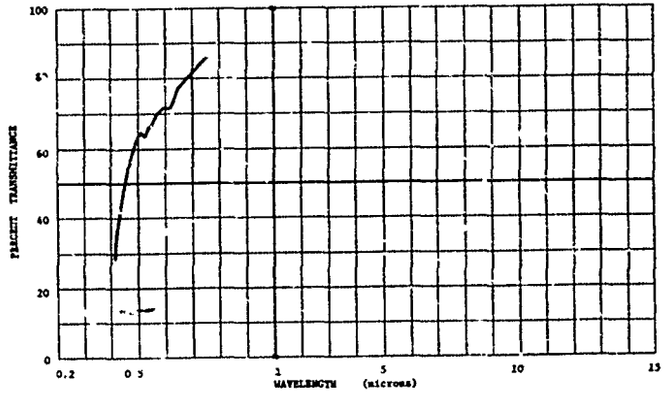


B02250-031 REC RAILROAD BOARD CARDBOARD ON ANSCO DAYLIGHT COLOR FILM
EXP. NO. 9. OVER EXPOSURE. 2 SEC.

SUBJECT CODES
CCB CEC DK DI AEN ECB ECCA CFCE

PARAMETER INFORMATION
CATE= 1 6 53 TIME= LAT= 38.9 N LONG= 77.0 W ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= .0 CN= CAZ= IRR= E
CRST= TTEMP= WIND SP= WIND DI= CLD= VIS=

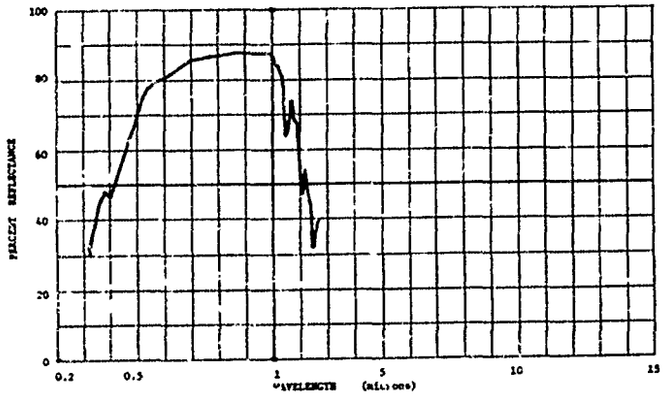
TEMP= DEW PT N AVE= 1



B04BC?-0C1 PAP R, BRISTOL BOARD, BLFF, 9 MILS THICK.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB

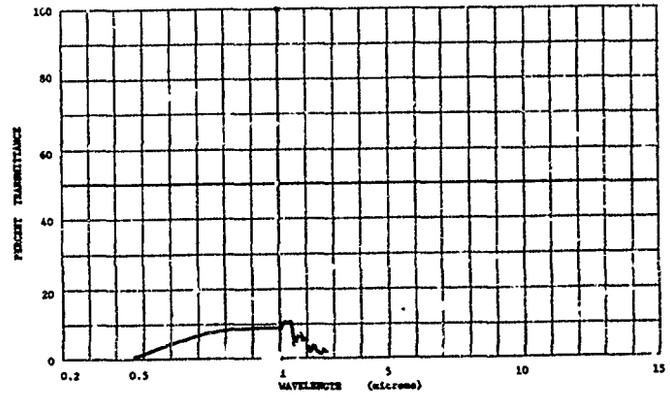
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CRST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B04BC5-0C2 PAPER, BRISTOL BOARD, BLFF, 9 MILS THICK.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB

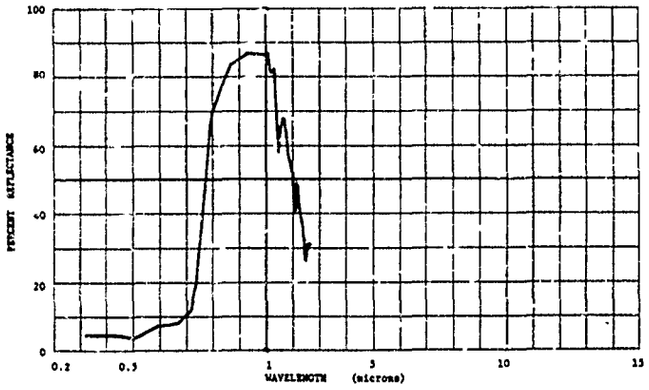
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CRST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



6048C5-003 PAPER, BRISTOL BOARD, 3-PLY, DARK, 17 MILS THICK.

SUBJECT CODES
AEA CF CEC CFA CK ECAC ECB ECCA ECCB

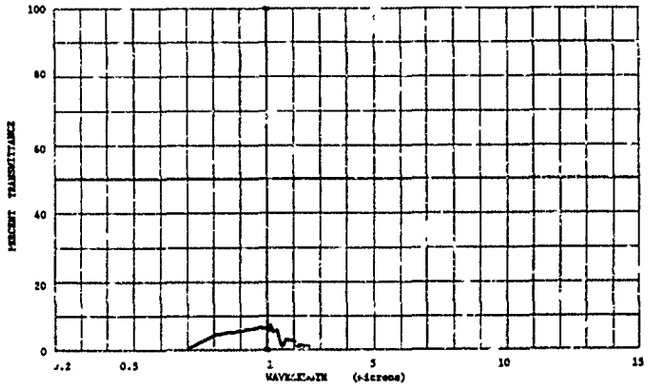
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



6048C5-004 PAPER, BRISTOL BOARD, 3-PLY, DARK, 17 MILS THICK.

SUBJECT CODES
AEA CE CEC CFA CK ECAC ECB ECCA ECCB

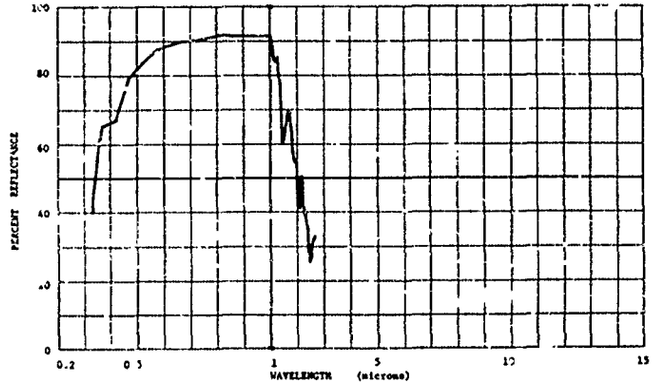
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



6048C5-005 PAPER, BRISTOL BOARD, 3-PLY, WHITE, 17 MILS THICK.

SUBJECT CODES
AEA ECCBJ CC CEC CFA CK ECAC ECB ECCA ECCB

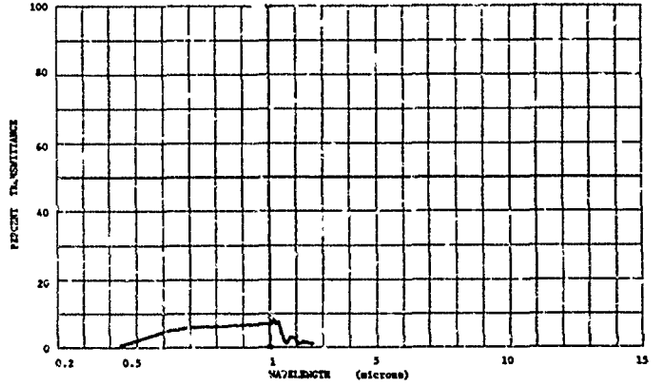
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



6048C5-006 PAPER, BRISTOL BOARD, 3-PLY, WHITE, 17 MILS THICK.

SUBJECT CODES
AEA CCBBJ CC CEC CIA CK ECAC ECB ECCA ECCB

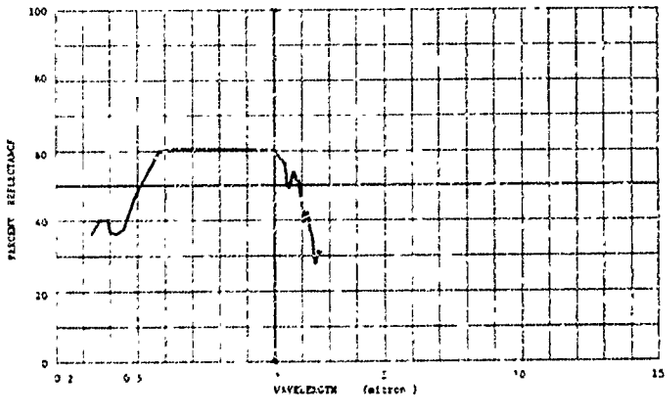
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C9-007 PAPER, BOND, 25 PERCENT RAG, BUFF.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB

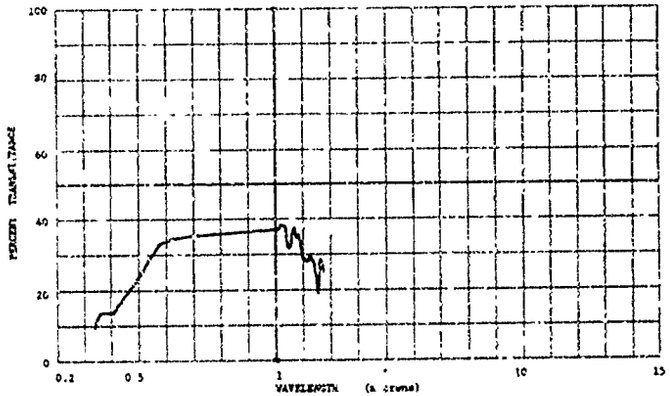
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TCPP= DEW PT= N AVE= 1



8048C9-008 PAPER, BOND, 25 PERCENT RAG, BUFF.

SUBJECT CODES
AEA CC CEC CFA CK ECAC ECB ECCA ECCB

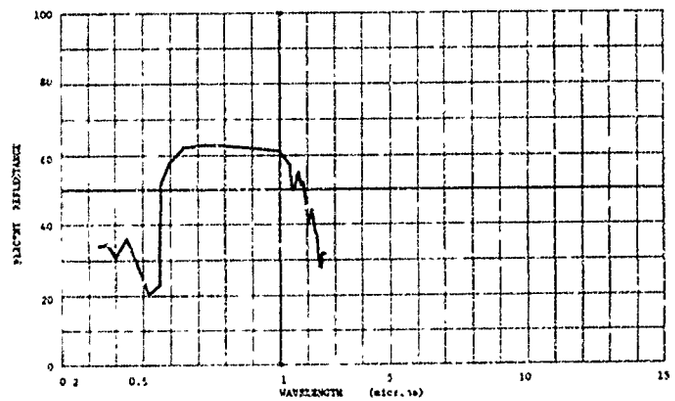
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TCPP= DEW PT= N AVE= 1



8048C9-009 PAPER, BOND, 25 PERCENT RAG, CHERRY.

SUBJECT CODES
AEA ECBBE CC CEC CFA CK ECAC ECB ECCA ECCB

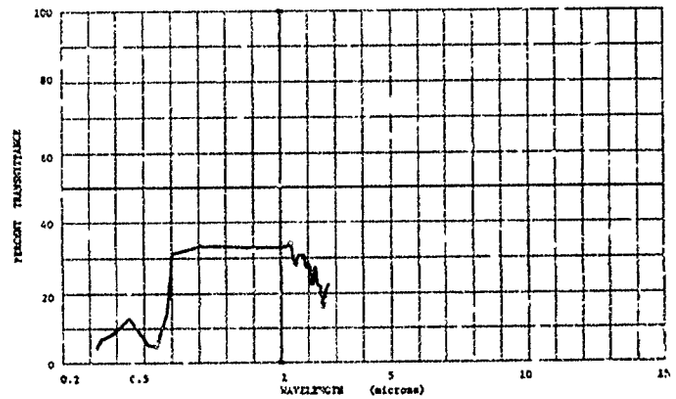
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TCPP= DEW PT= N AVE= 1



8048C9-010 PAPER, BOND, 25 PERCENT RAG, CHERRY.

SUBJECT CODES
AEA ECBBJ CC CEC CFA CK ECAC ECB ECCA ECCB

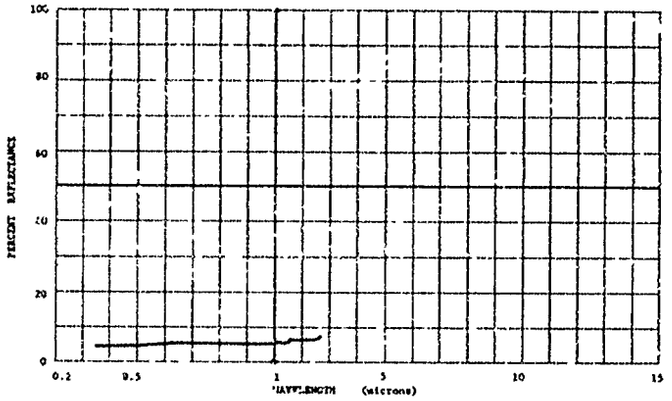
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TCPP= DEW PT= N AVE= 1



804809-011 PAPER, BLACK, SMOOTH, 40 LBS.

SUBJECT CODES
AEA ECBBL CC CEC EFA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS PE= HR= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804809-012 PAPER, BLOTTING, BUFF.

SUBJECT CODES
AEA CC CEC EFA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
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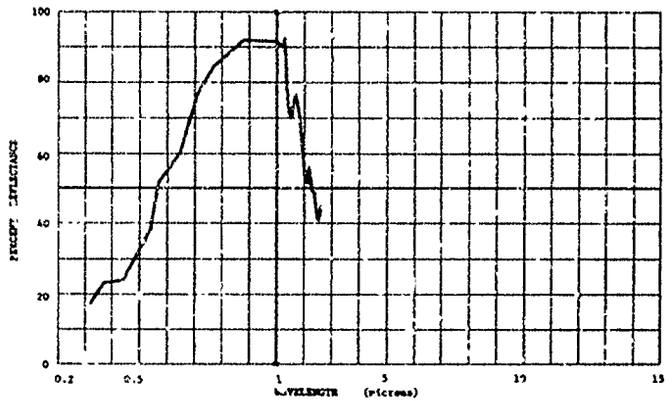
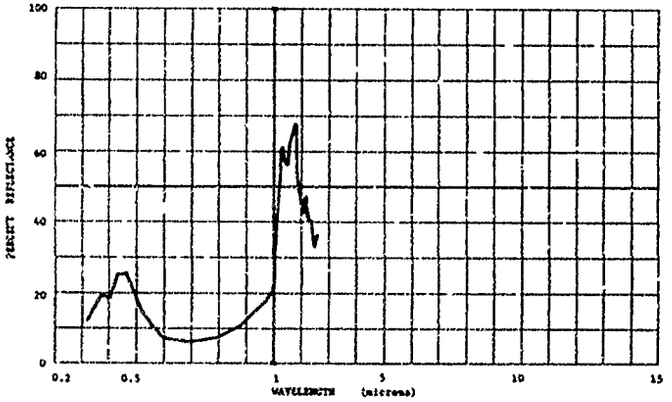
DAYS DE= HR= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804809-013 PAPER, BLOTTING, BLUE.

SUBJECT CODES
AEA ECBBA CC CEC EFA DK ECAC ECB EFCA ECCB

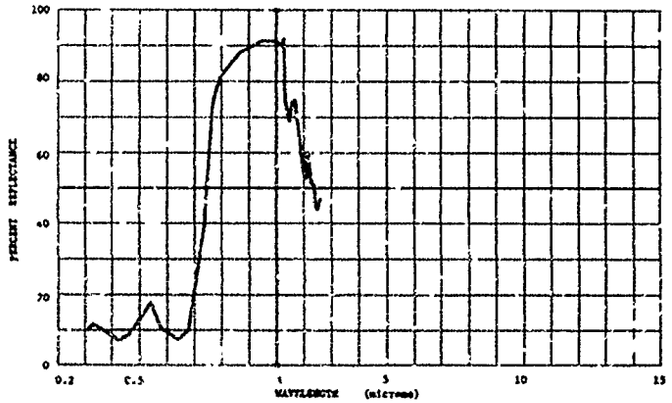
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS HE= HR= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804809-014 PAPER, BLOTTING, GREEN.

SUBJECT CODES
AEA ECBBE CC CEC EFA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS PE= HR= IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

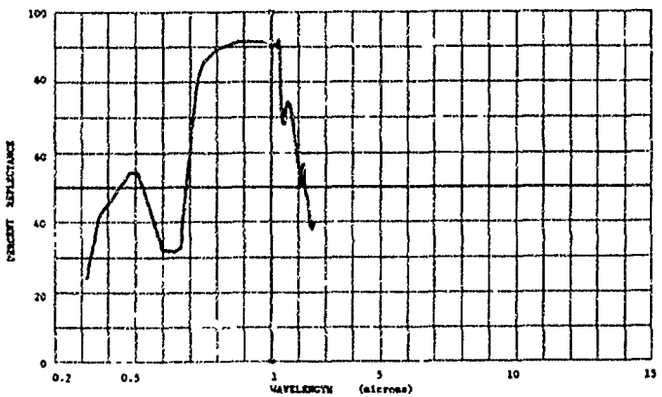


AEN 10

804805-015 PAPER, BLOTTING, PALE BLUE.

SUBJECT CODES
AEA EC88A CC CEC CIA DK ECAD ECB ECCA ECCB

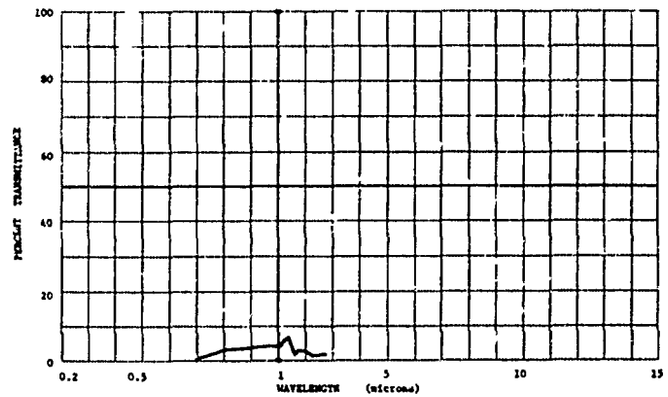
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TIEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



804805-016 PAPER, BLOTTING, BUFF.

SUBJECT CODES
AEA CC CEC CIA DK ECAD ECB ECCA ECCB

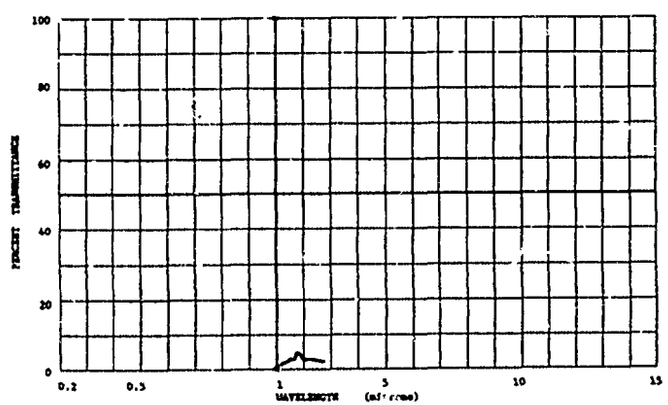
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TIEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



804805-017 PAPER, BLOTTING, BLUE.

SUBJECT CODES
AEA EC88A CC CEC CIA DK ECAD ECB ECCA ECCB

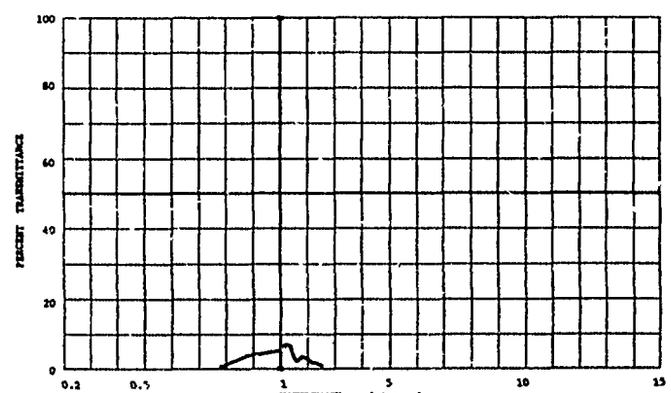
PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TIEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



804805-018 PAPER, BLOTTING, GREEN.

SUBJECT CODES
AEA EC88B CC CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= IN= IAZ= CN= CAZ= IRR= E
CBST= TIEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



ANN 11

804803-019 PAPER, BLOTTING, PALE BLUE.

SUBJECT CODES
AEA CC CEC CIA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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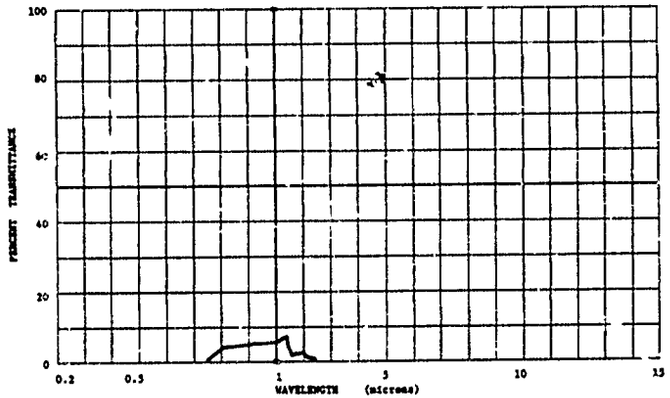
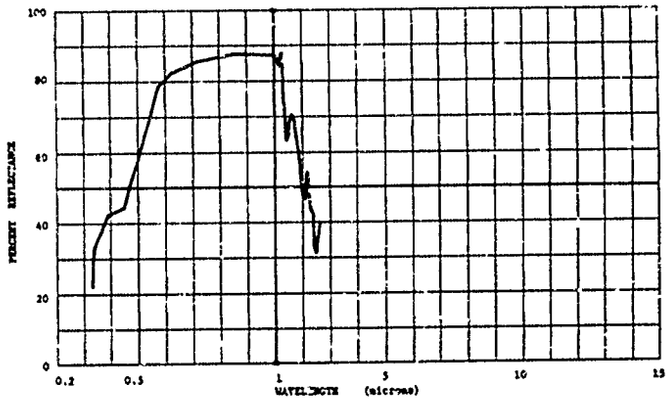


804803-020 PAPER, MANILA CARDBOARD.

SUBJECT CODES
AEA CC CEC CIA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804803-021 PAPER, SCOTCH, WATER REPELLENT.

SUBJECT CODES
AEA CC CEC CIA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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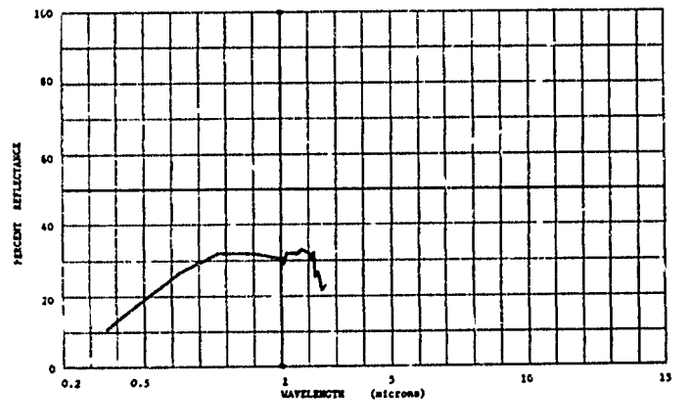

804803-022 PAPER, MANILA CARDBOARD.

SUBJECT CODES
AEA CC CEC CIA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
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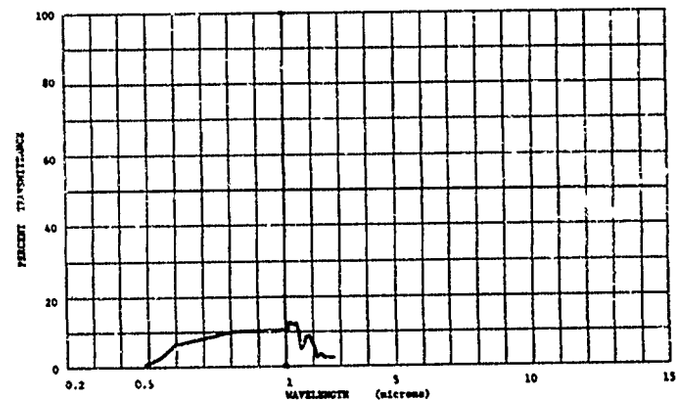

8048C5-023 PAPER, SCOTCH, WATER REPELLENT.

SUBJECT CODES
AEA CC CEC CFA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
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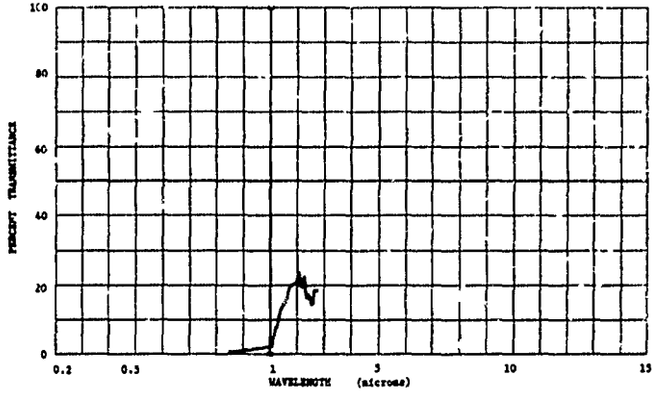

8048C5-024 PAPER, BOND, PINK.

SUBJECT CODES
AEA ECBBE CC CEC CFA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
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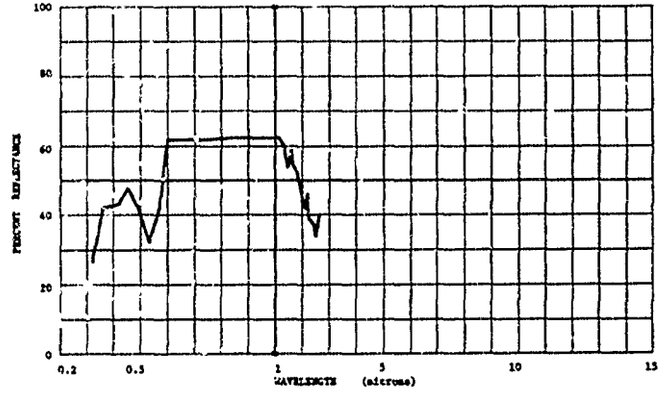

8048C5-029 PAPER, BOND, CHERRY.

SUBJECT CODES
AEA ECBBE CC CEC CFA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
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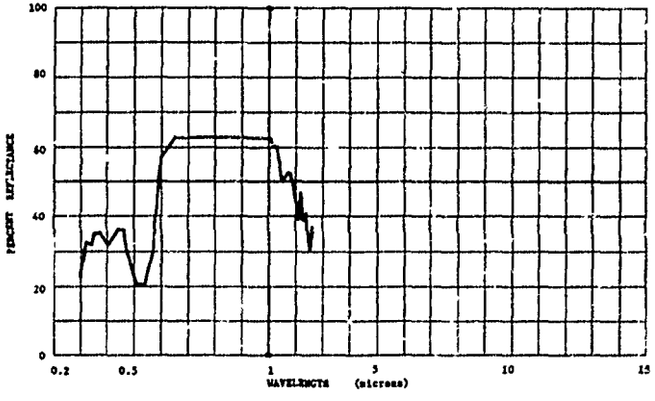
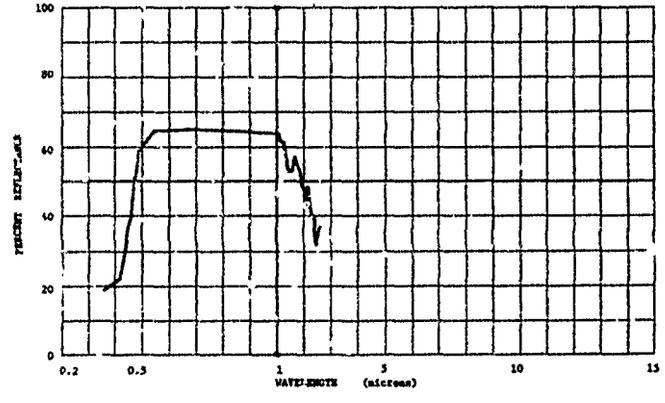


8048C5-030 PAPER, BOND, YELLOW.

SUBJECT CODES
AEA ECBBC CC CEC CFA CK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= S4 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

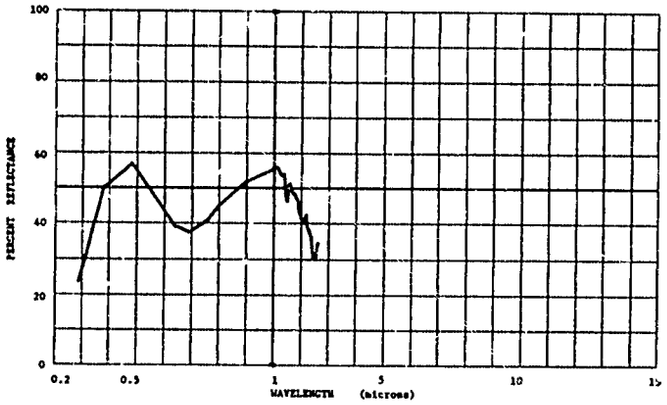


AEM 15

804BC5-027 PAPER, BOND, PALE BLUE.

SUBJECT CODES
AEA ECBBA CD CEC CFA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= % AVE= 1



804BC5-028 PAPER, BOND, PINK.

SUBJECT CODES
AEA ECBBE CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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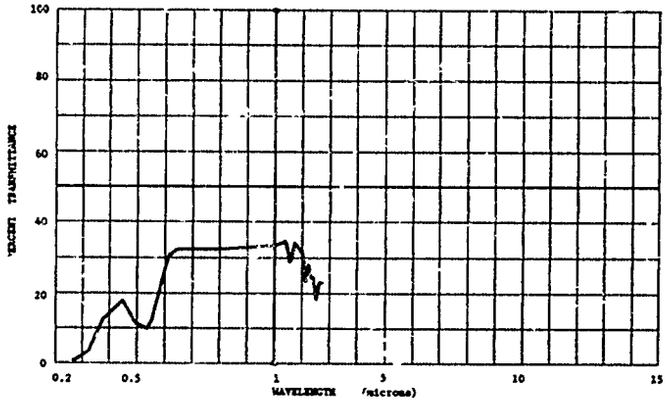

804BC5-029 PAPER, BOND, CHERRY.

SUBJECT CODES
AEA ECBBE CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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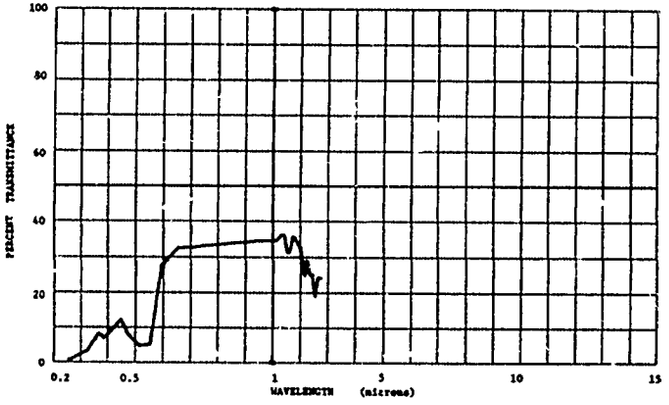

804BC5-030 PAPER, BOND, YELLOW.

SUBJECT CODES
AEA ECBBC CD CEC CIA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
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DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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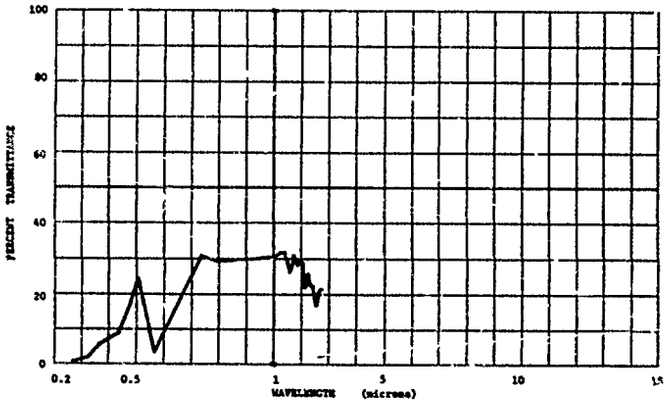
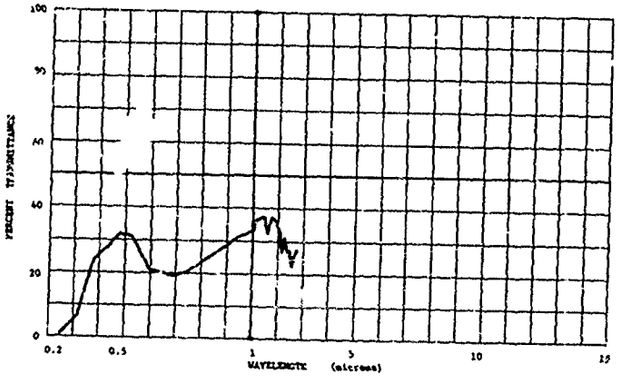


91 NEW

8046B5-031 PAPER, BOND, PALE BLUE.

SUBJECT CODES
AEA ECBBA CO CEC C1A DK ECAD ECB ECCA ECCB

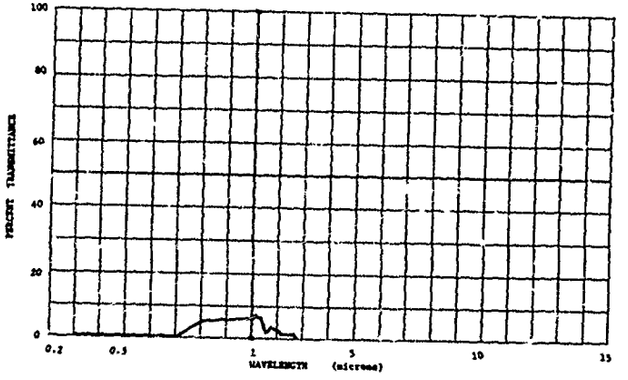
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8046C6-022 3-PLY DARK BRISTOL BOARD.

SUBJECT CODES
AEA CE CEC C1A DK ECAD ECB ECCA ECCB

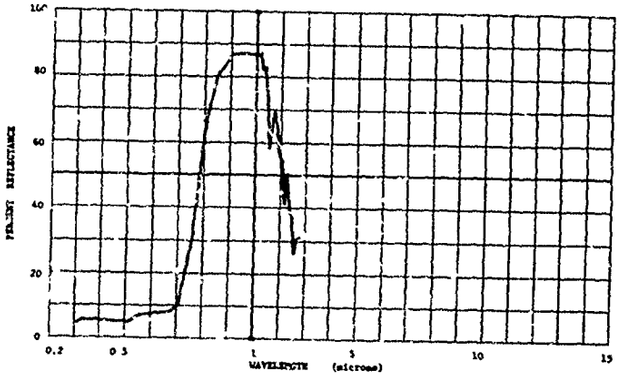
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8046C6-021 3-PLY DARK BRISTOL BOARD.

SUBJECT CODES
AEA CE CEC CFA DK ECAC ECB ECCA ECCB

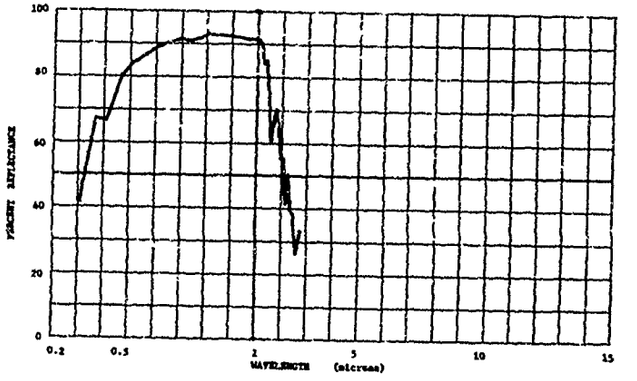
PARAMETER INFORMATION
DATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8046C6-023 3-PLY WHITE BRISTOL BOARD.

SUBJECT CODES
AEA CBBJ CO CEC CFA DK ECAD ECB ECCA ECCB

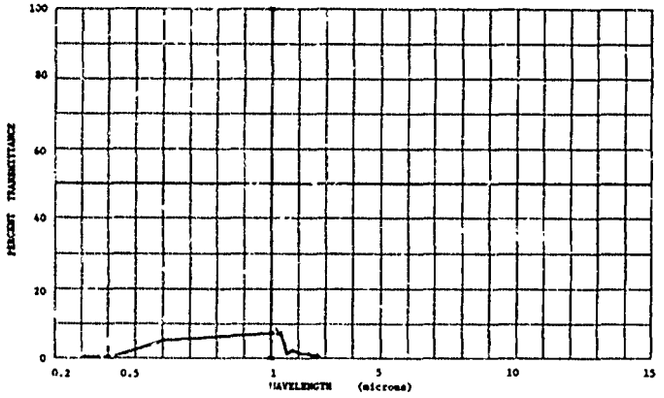
PARAMETER INFORMATION
DATE= 55 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804906-024 3-PLY WHITE BRISTOL BOARD.

SUBJECT CODES
AEA ECBBJ CC CEC CSA DK ECAD ECB ECCA ECCB

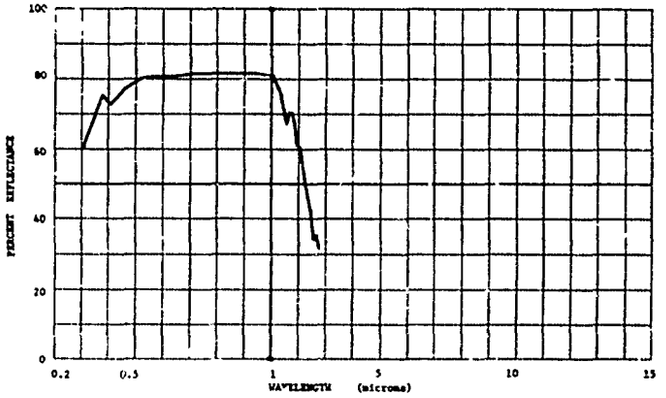
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-025 10-PLY WHITE BRISTOL BOARD.

SUBJECT CODES
AEA ECBBJ CC CEC CFA DK ECAD ECB ECCA ECCB

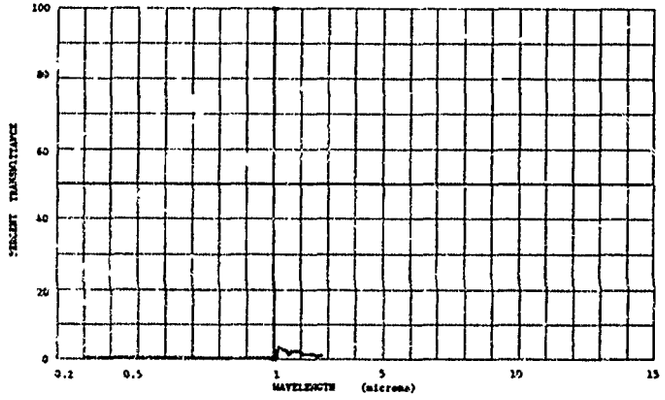
PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804806-026 10-PLY WHITE BRISTOL BOARD.

SUBJECT CODES
AEA ECBBJ CC CEC CSA DK ECAD ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 53 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

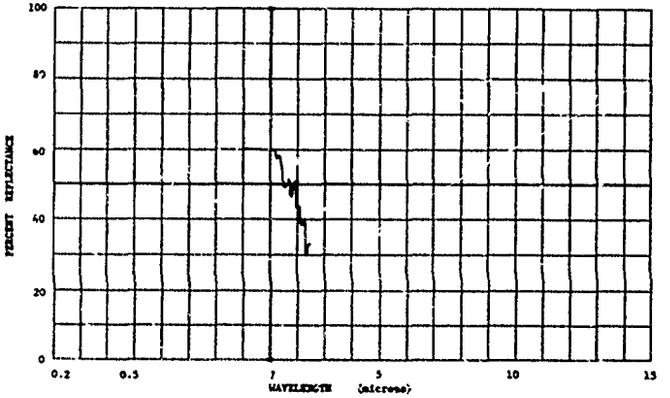


620000-163 WHATMAN FILTER PAPER.

SUBJECT CODES
AEM CCA CED CFAA OFCE DK ECCA ECCB

PARAMETER INFORMATION
CATE= 7 7 66 TIME= -0 LAT= -.0 LONG= -.0 ALT= -.00E+00 RANGE= -.00E+00
DAYS RE= -0 IN= 9.0 IAZ= -.0 CN= -.0 CAZ= -.0 IRR= E
OBST= TTEMP= -.0 WIND SP= -0 WIND DI= CLD= VIS= -0

TEMP= -0 DEW PT=0 N AVE= 1



AEN 16

B20000-166 WHATMAN FILTER PAPER.

SUBJECT CODES
AEN CCA CEC DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 9 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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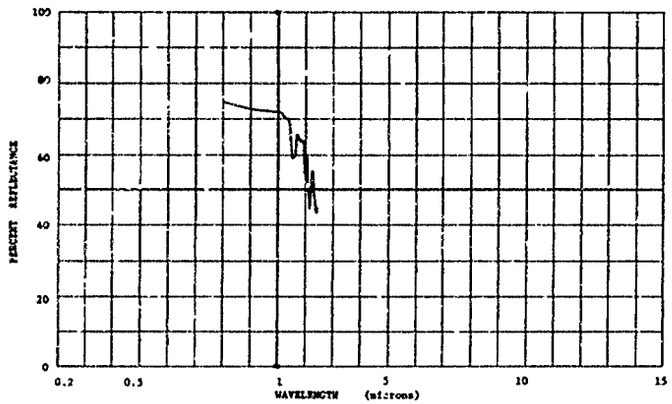

B20000-167 FILTER PAPER SOAKED WITH CHLOROPHYLL SOLUTION.

SUBJECT CODES
AEN CCA CEC DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD=
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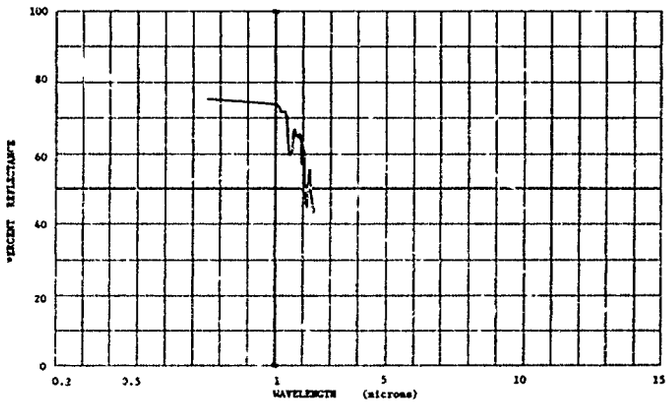
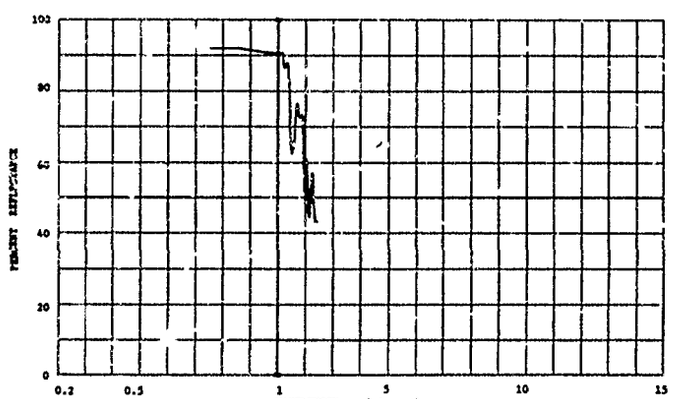


B20000-168 KIMWIPE PAPER TOWEL.

SUBJECT CODES
AEN CCA CEC DFAA DFCE DK ECCA ECCB

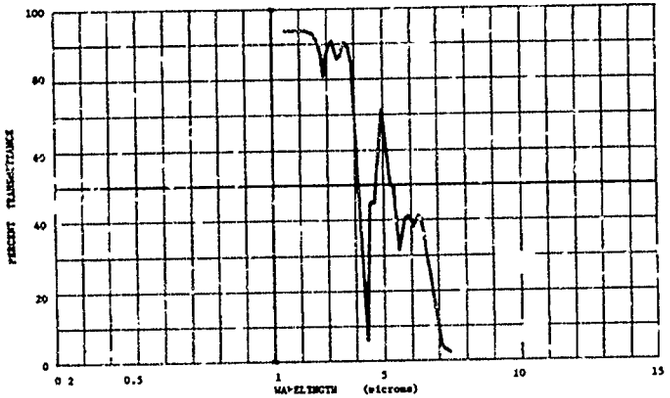
PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803359-003 FLUOROCHLOROETHYLENE PLASTIC (KEL-F), .25 INCH THICKNESS

SUBJECT CODES
AEO ECCA ECCB ECCC ECCD DI CED

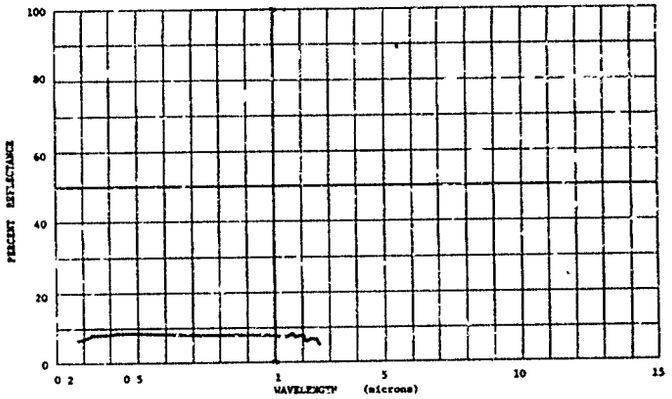
PARAMETER INFORMATION
DATE= TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE=



804405-032 PLASTIC, LUCITE, APPROX. 1/8 IN. THICK.

SUBJECT CODES
AEC CC CEC CFA CK ECAC ECB ECCA ECCB

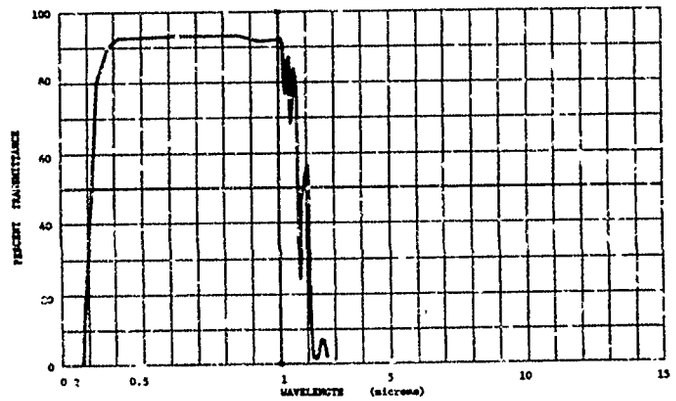
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= S
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804405-033 PLASTIC, LUCITE, APPROX. 1/8 IN. THICK.

SUBJECT CODES
AEC CC CEC CFA CK ECAC ECB ECCA ECCB

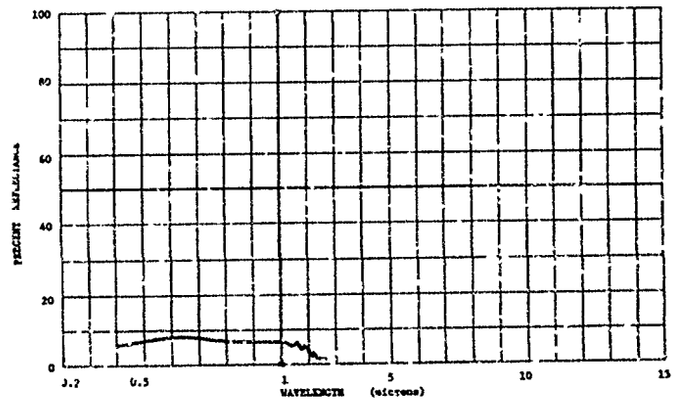
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804405-034 VINYL, APPROX. 1/32 IN. THICK.

SUBJECT CODES
AEC CC CEC CFA CK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

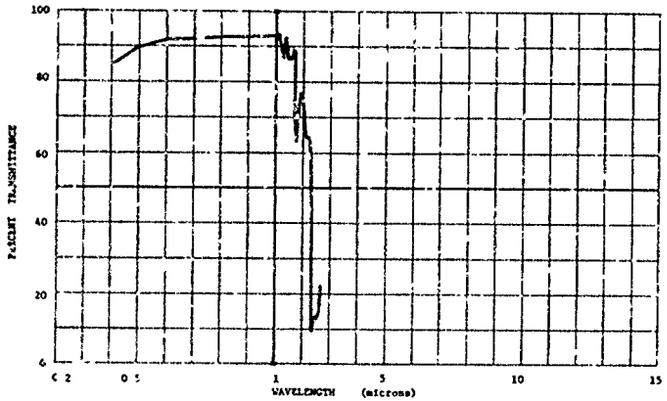


A80 2

804805-035 V[illegible], APPROX. 1/32 IN. THICK.

SUBJECT CODES
AEC CC CEC DFA CK ECAD ECB ECCA ECCB

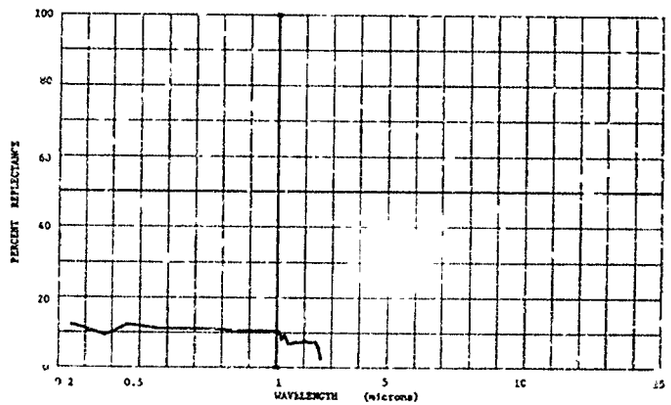
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-034 PLASTIC, BAKELITE, CLEAR, APPROX. 1/8 IN. THICK.

SUBJECT CODES
AEC CC CEC DFA CK ECAD ECB ECCA ECCB

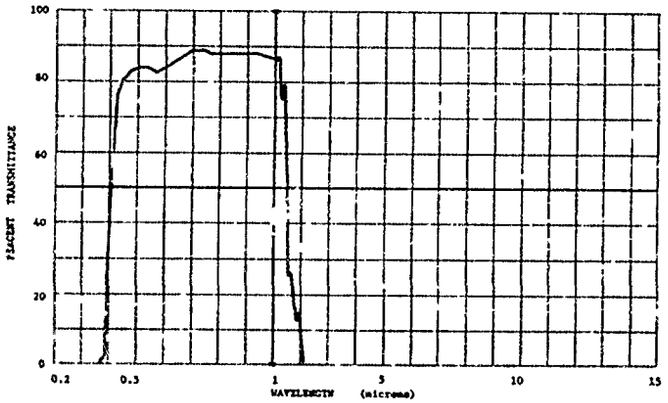
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804805-037 PLASTIC, BAKELITE, CLEAR, APPROX. 1/8 IN. THICK.

SUBJECT CODES
AEC CC CEC DFA CK ECAD ECB ECCA ECCB

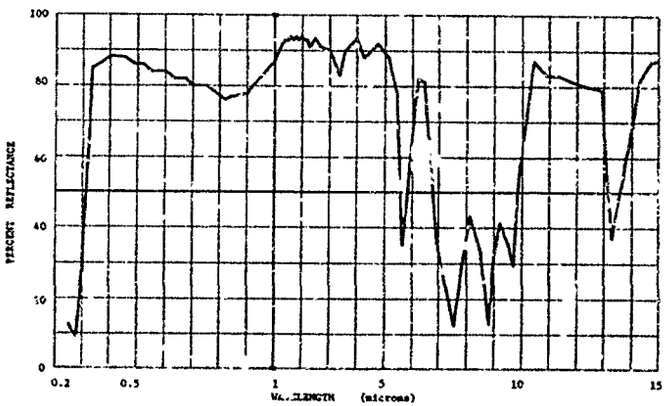
PARAMETER INFORMATION
DATE= 54 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-006 EVAPORATED ALUMINUM ON .2 MIL MYLAR CRUMPLED AND STRECHED, LOOKING AT MYLAR.

SUBJECT CODES
AEC AFA CC CEC DFA CK ECAD ECB ECCA ECCB
ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

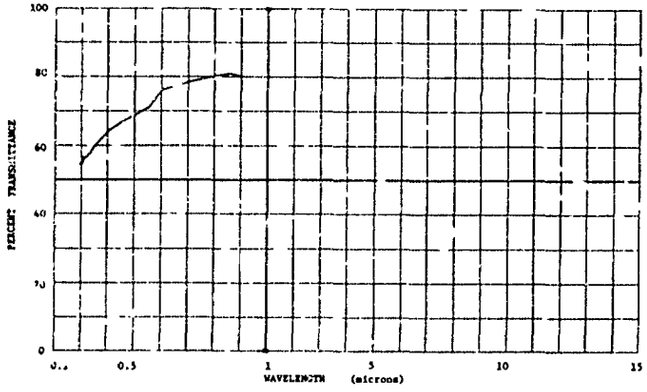


ARCS

820000-028 POLYFILM.

SUBJECT CODES
AEC CLA CEC CIB EK ECAC ECAD ECB ECCA

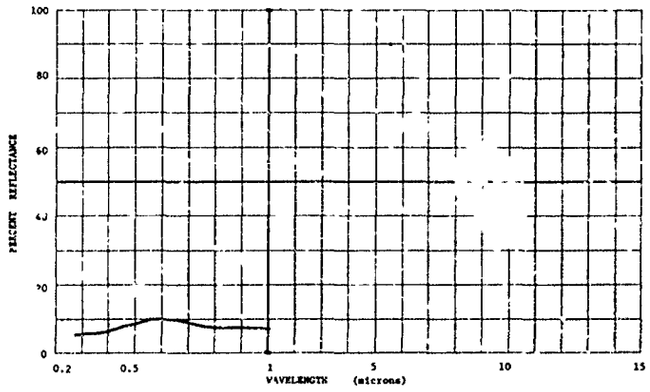
PARAMETER INFORMATION
DATE= 22 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP = WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-228 VINYL COVERED CLOTH OLIVE DRAB.

SUBJECT CODES
AEC ECBBI CCA CEC CFAA DFCE EK ECAC E ECB
ECCA

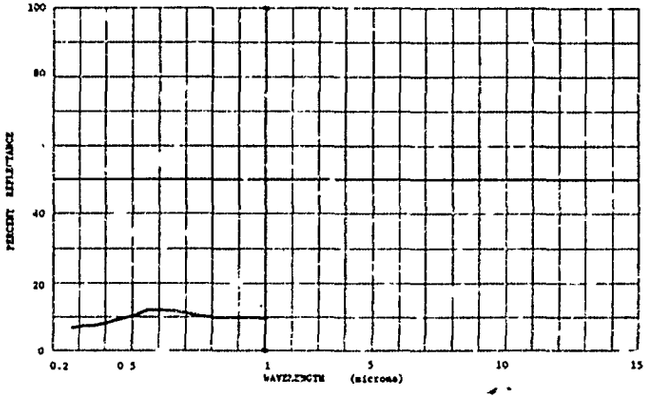
PARAMETER INFORMATION
DATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-229 VINYL COVERED CLOTH, (OLIVE DRAB).

SUBJECT CODES
AEC ECBBI CCA CEC CFAA DFCE EK ECAD ECB ECCA

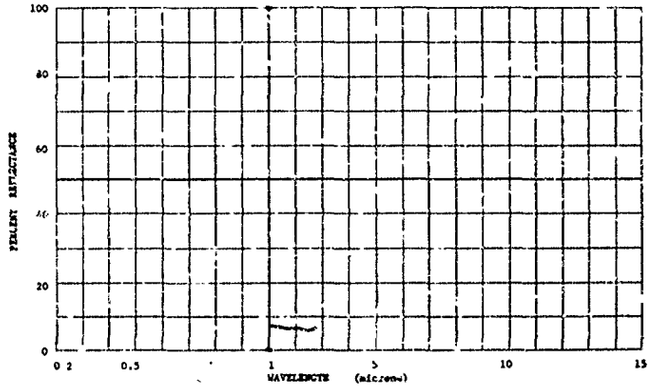
PARAMETER INFORMATION
DATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-230 VINYL COVERED CLOTH, (OLIVE DRAB).

SUBJECT CODES
AEC ECBBI CCA CEC CFAA DFCE EK ECCA ECCB

PARAMETER INFORMATION
DATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



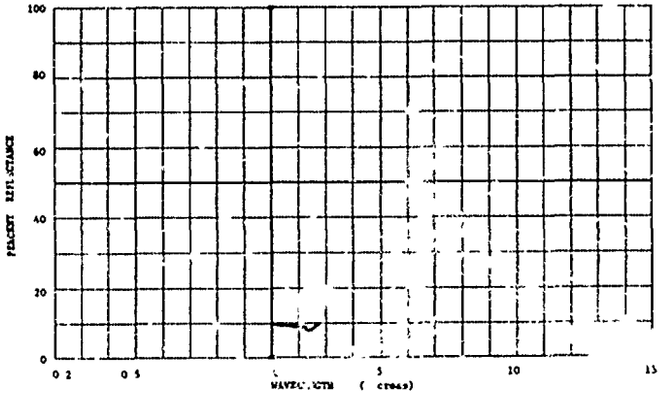
AEDC 4

82COCO-231 VINYL COVERED CLOT[illegible] [illegible]LIVE DRAB).

SUBJECT CODES
AEC ECBBI CCA CEC CFAA CFCE CX ECCA ECCB

PARAMETER INFORMATION

CATE= 27 7 66	TIME=	LAT=	LONG=	ALT=	RANGE=	
CAYS RE=	IN= 3.0	IAZ=	CN=	CAZ=	IRR=	E
CBST=	TTEMP=	WIND SP=	WIND DI=	CLD=	VIS=	
TEMP=	DEW PT=	N AVE= 1				

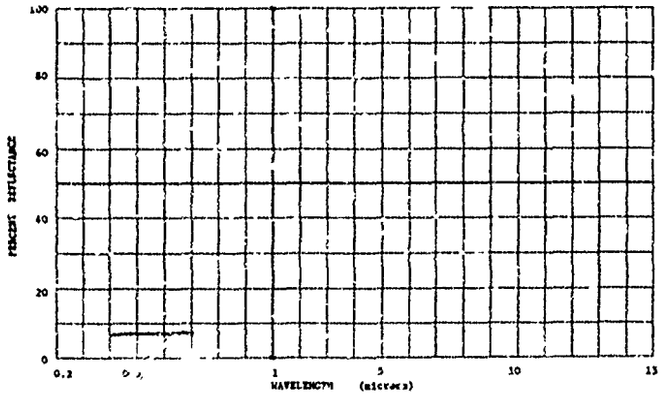


804842-011 RUBBER TIRE FROM M-151, 1/4 TON TRUCK.

SUBJECT CODES
AEP CC CED DF4A DK ECB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CL= VIS=

TEMP= DEW PT= % AVE= 1

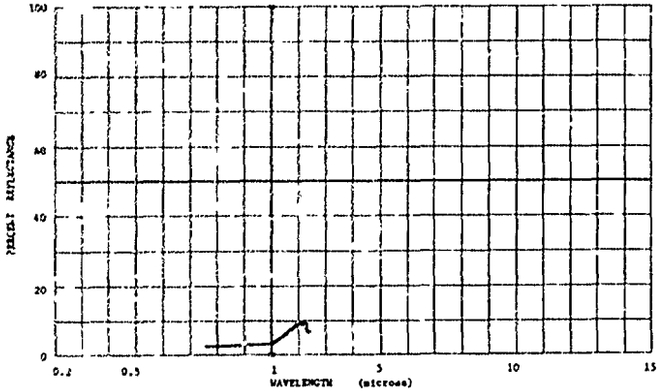


AEP 2

B2CCCO-224 ROOFING FELT, (TAR PAPER).

SUBJECT CODES
ACC CCD CEE CFAA CFCE DK FCLA ECCB

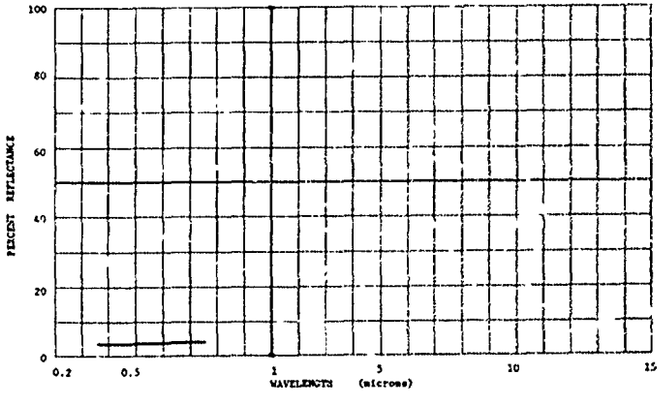
PARAMETER INFORMATION
DATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= GEN PT= N AVE= 1



B2CCCO-225 ROOFING FELT, (TAR PAPER).

SUBJECT CODES
ACC ECBBL CCA CEC CFAA DFCE DK ECAD ECA ECCA

PARAMETER INFORMATION
DATE= 27 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS
TEMP= GEN PT= N AVE= 1

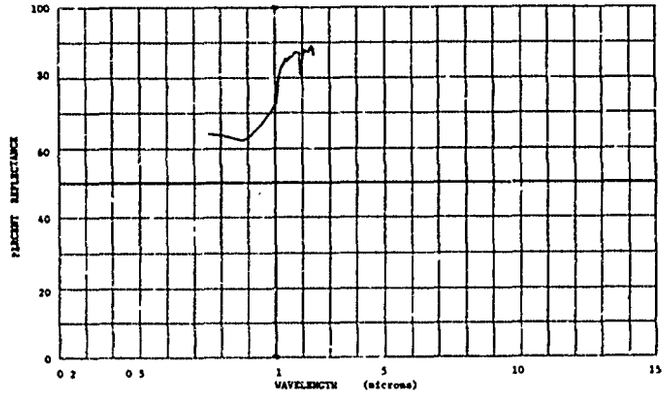


ARO 2

BZCCCC-114 FLOWER POT CLAY.

SUBJECT CODES
AEA CEA CEC CFAA CFCE DK ECCA ECCB

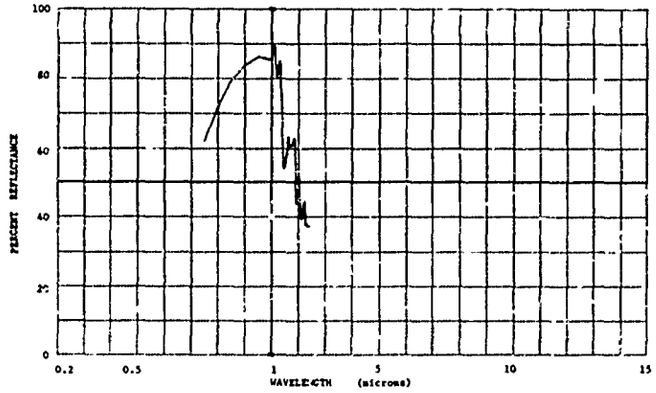
PARAMETER INFORMATION
CATE= 23 4 66 TIPE= LAT= LONG= ALT= RANGE=
CATS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CNST= TIEPP= BIAC SP= BIAC DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CCCO-115 RECWOOD BOARD, FRESHLY SANDED, FACE OF BOARD.

SUBJECT CODES
AET CCA CEC CFAA CFCE DK ECCA ECCB

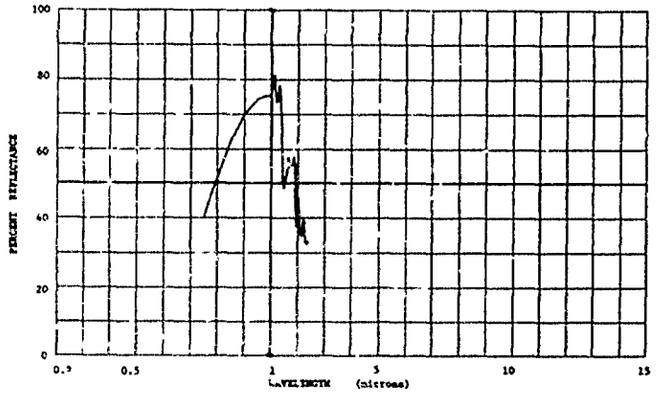
PARAMETER INFORMATION
DATE= 23 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2CCCO-116 RECWOOD BOARD, AGED, FACE OF BOARD.

SUBJECT CODES
AET CCA CEC CFAA CFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 23 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

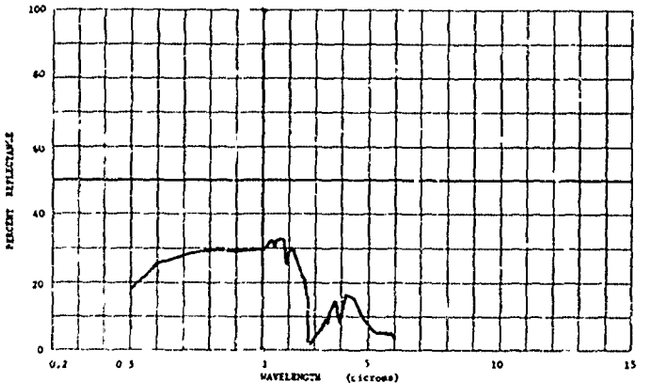


AET 2

8048C4-008 ROSAMOND DRY LAKE SOIL.

SUBJECT CODES
EF CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

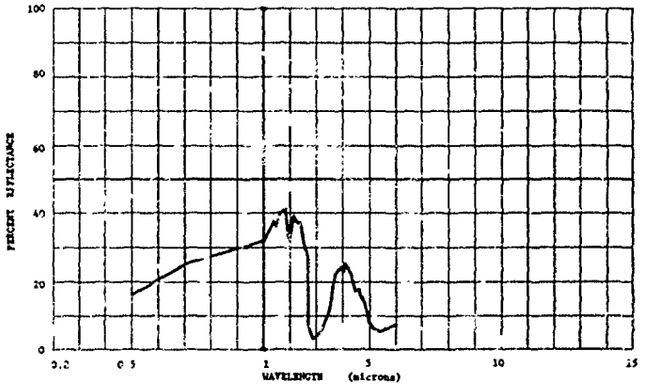
PARAMETER INFORMATION
DATE= 65 TYPE= LAT= 34.8 N LONG= 118.1 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-009 PAWNEE GRASSLAND SOIL.

SUBJECT CODES
EF CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

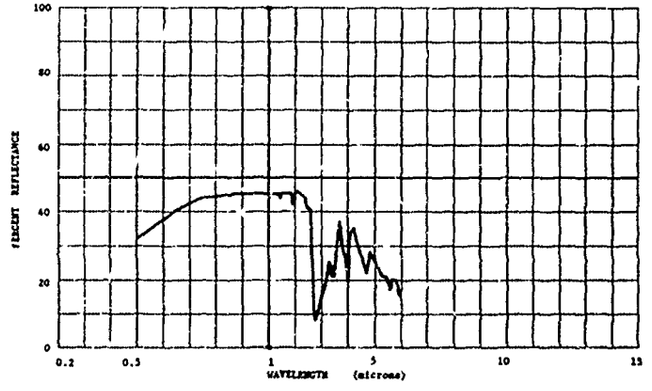
PARAMETER INFORMATION
DATE= 65 TYPE= LAT= 40.2 N LONG= 103.5 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-016 CHILEAN NITRATE SOIL, PAMPA, NEBRASKA.

SUBJECT CODES
EF CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

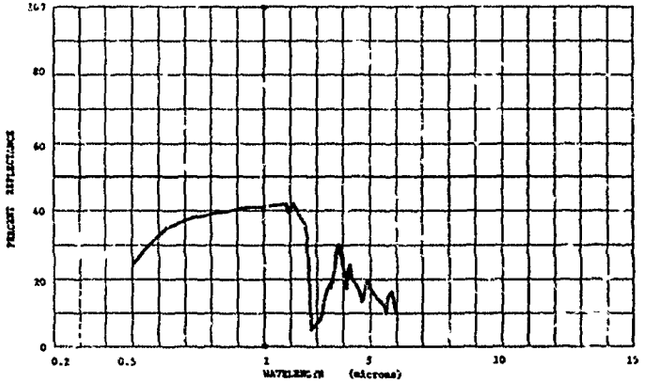
PARAMETER INFORMATION
DATE= 65 TYPE= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-017 CHILEAN NITRATE SOIL, CHICINA, VICTORIA.

SUBJECT CODES
EF CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

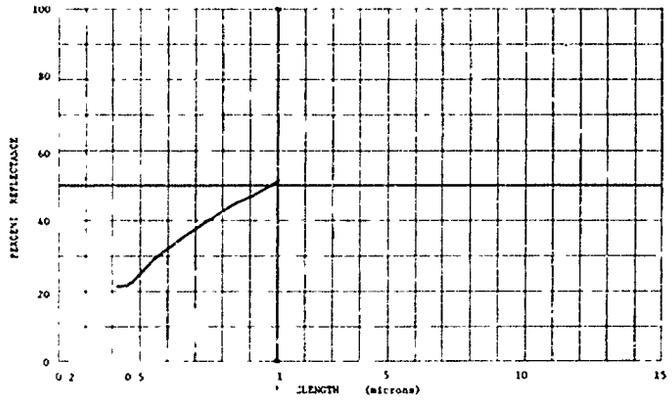
PARAMETER INFORMATION
DATE= 65 TYPE= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= ITEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



B048C2-0C1 ENIWETCK SAND.

SUBJECT CODES
BFCA CCB CEC CFA CK ECB ECCA

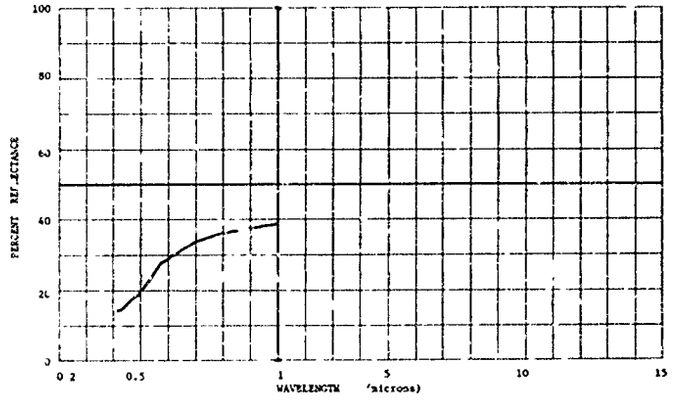
PARAMETER INFORMATION
DATE= 52 TIME= LAT= 11.5 N LONG= 162.3 E ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C2-0C2 SAND FROM YUCCA, NEVADA.

SUBJECT CODES
BFCA CCB CEC CFA CK ECB ECCA

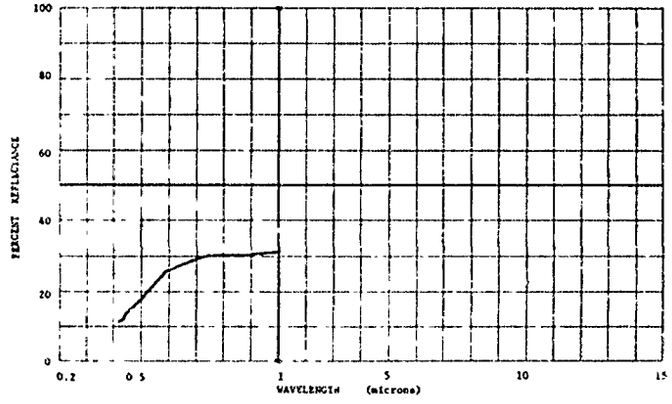
PARAMETER INFORMATION
DATE= 52 TIME= LAT= 37.1 N LONG= 116.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C2-0C3 SAND FROM FRENCHMA

SUBJECT CODES
BFCA CCB CEC CFA CK ECB ECCA

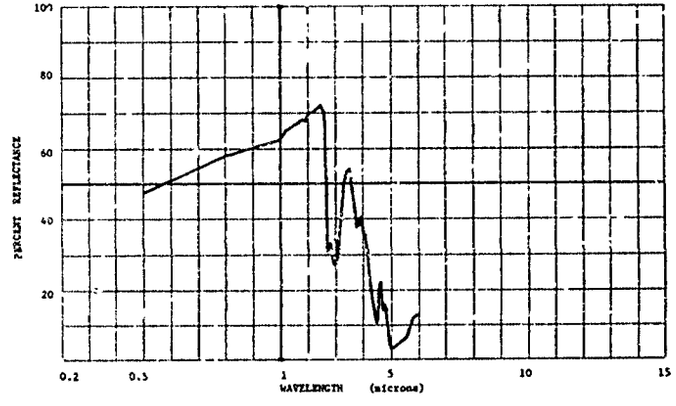
PARAMETER INFORMATION
DATE= 52 TIME= LAT= 36.8 N LONG= 1.6.. W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C4-0C7 SILICA SAND.

SUBJECT CODES
BFCA CC CEC CFA CK ECB ECCA ECCB CCCC CCCD

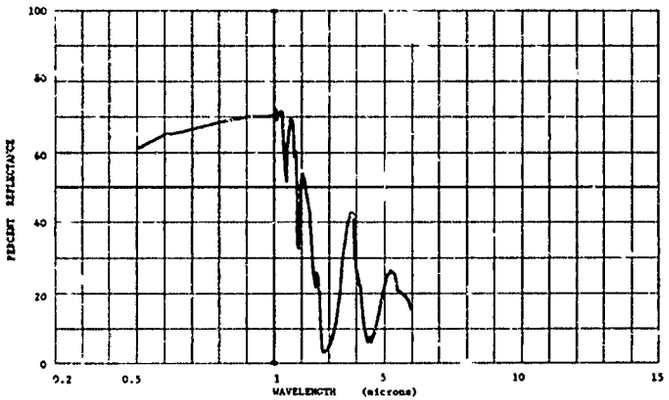
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C4-010 GYPSUM SAND, PARTIALLY DEHYDRATED.

SUBJECT CODES
BFCA CC CEC CFA CK E ECCA ECCB ECCC ECCD

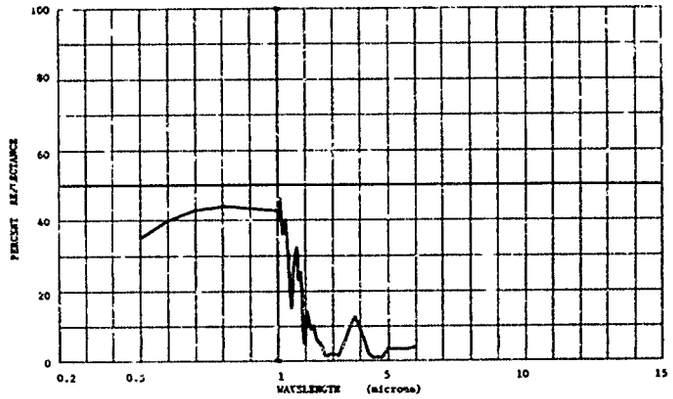
PARAMETER INFORMATION
DATE= 65 TIME= LAT= 32.7 N LONG= 106.4 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C4-011 GYPSUM SAND, NATURAL.

SUBJECT CODES
BFCA CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

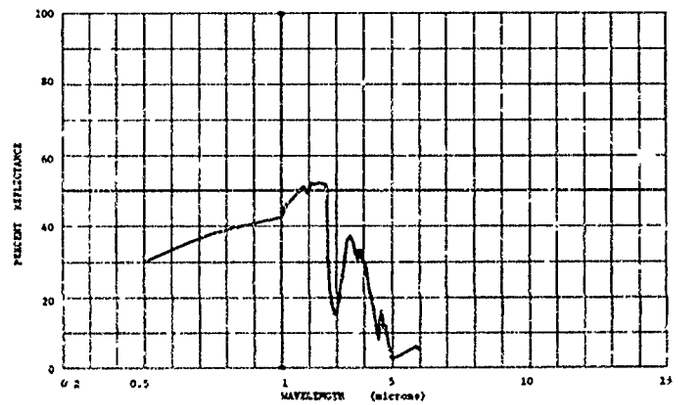
PARAMETER INFORMATION
DATE= 65 TIME= LAT= 32.7 N LONG= 106.4 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C4-012 ATLANTIC CITY, N.J. BEACH SAND.

SUBJECT CODES
BFCA CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

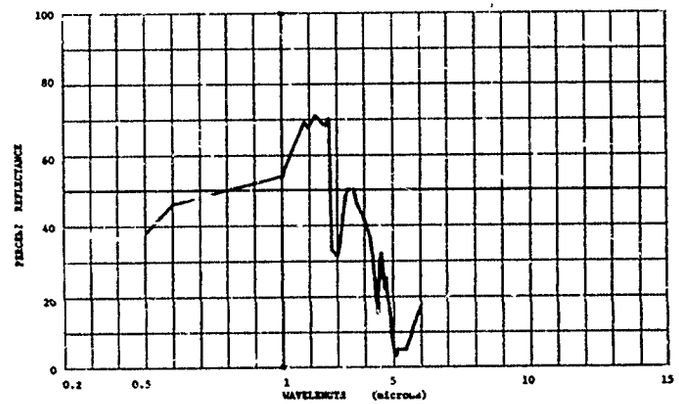
PARAMETER INFORMATION
DATE= 65 TIME= LAT= 35.3 N LONG= 74.4 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



8048C4-013 DAYTONA BEACH, FLA. BEACH SAND.

SUBJECT CODES
BFCA CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

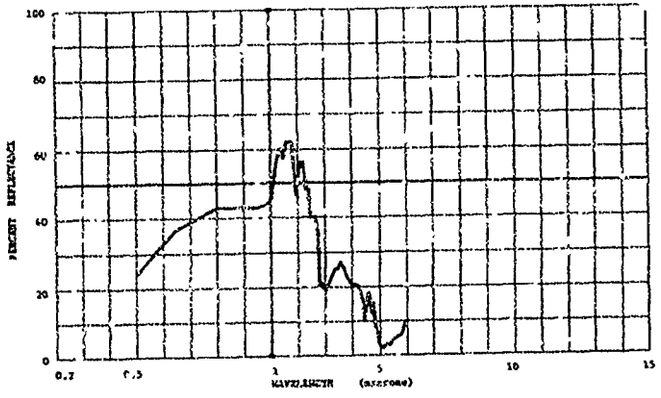
PARAMETER INFORMATION
DATE= 65 TIME= LAT= 29.3 N LONG= 81.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C4-G14 DAYTONA BEACH, FLA. BEACH SAND.

SUBJECT CODES
EFCA CC CEC CFA C ECB ECCA ECCB ECCC ECCD

PARAMETER INFORMATION
DATE= 45 TIME= LAT= 29.3 N LONG= 81.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CNST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

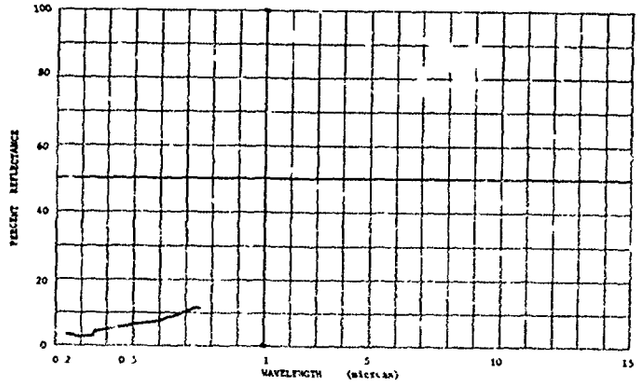


EFCA 14

82CCCO-246 SOIL SAMPLE NUMBER 4-A, (SILT LOAM), SATURATED.

SUBJECT CODES
BFEB ECBBK CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

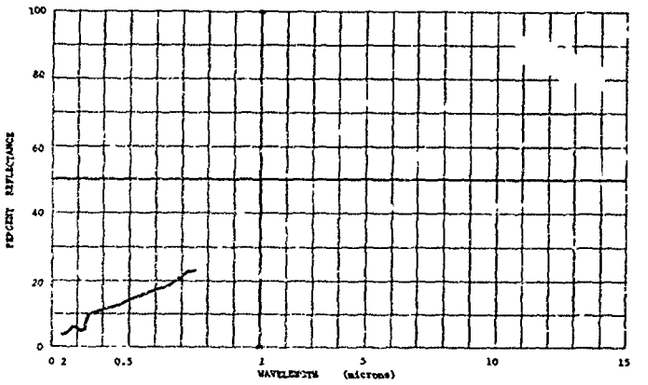
PARAMETER INFORMATION
CATE= 4 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.. IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-247 SOIL SAMPLE NUMBER 4-A, (SILT LOAM), 65 PERCENT SATURATED.

SUBJECT CODES
BFEB ECBBK CDA CEC CFAA DFCE CK EC.. ECAD ECB
ECCA

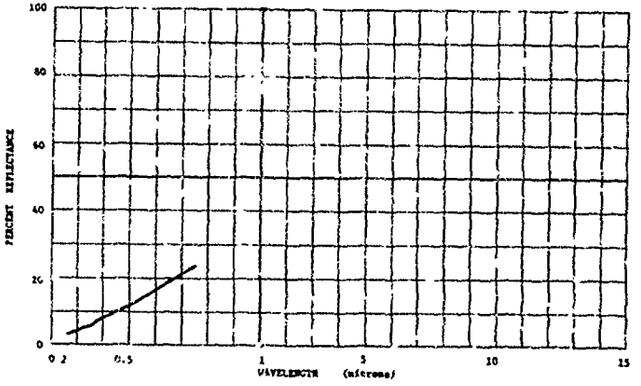
PARAMETER INFORMATION
CATE= 9 5 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-248 SOIL SAMPLE NUMBER 2-A, (SILT LOAM), OVEN DEHYDRATED.

SUBJECT CODES
BFEB ECBBF CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

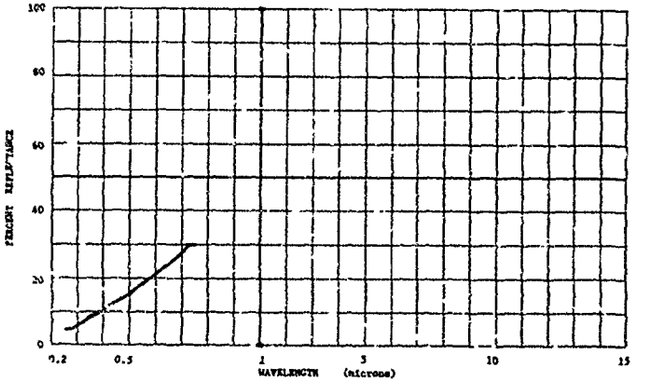
PARAMETER INFORMATION
CATE= 11 5 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-249 SOIL SAMPLE NUMBER 4-A, (SILT LOAM).

SUBJECT CODES
BFEB ECBBF CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 10 5 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

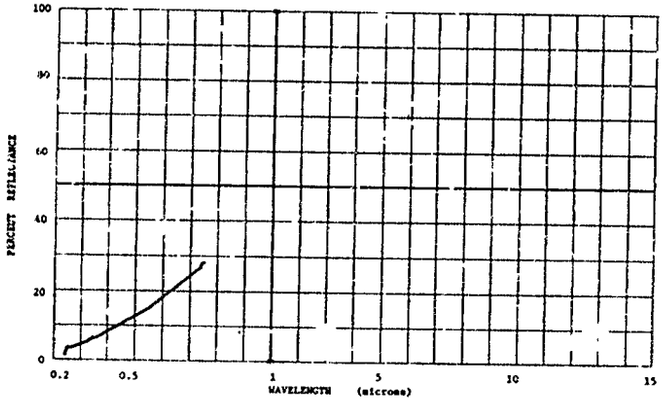


DPZB 9

82L0CO-250 SOIL SAMPLE NUMBER 4-A, (SILT LOAM), OVEN DEHYDRATED FOR 24 HOURS.

SUBJECT CODES
RFEE ECRCF CCA CEC CFAA DFCE CK ECAC ECAD ECB
ICCA

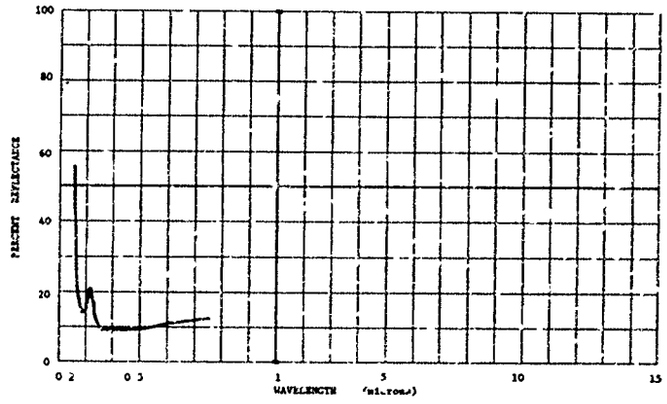
PARAMETER INFORMATION
CATE= 12 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-251 SOIL SAMPLE NUMBER 2-A, (SILT LOAM), SATURATED.

SUBJECT CODES
RFEE ECBBK CCA CEC CFAA DFCE CK ECAC ECAD ECB
ICCA

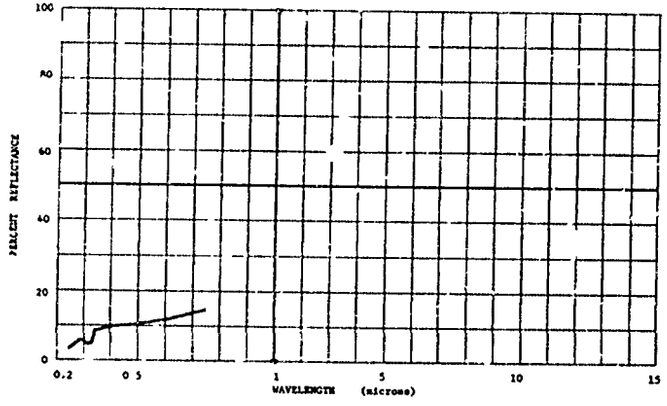
PARAMETER INFORMATION
CATE= 4 [illegible] TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-252 SOIL SAMPLE NUMBER 2-A, (SILT LOAM).

SUBJECT CODES
RFEE ECBBK CCA CEC CFAA DFCE CK ECAC ECAD ECB
ICCA

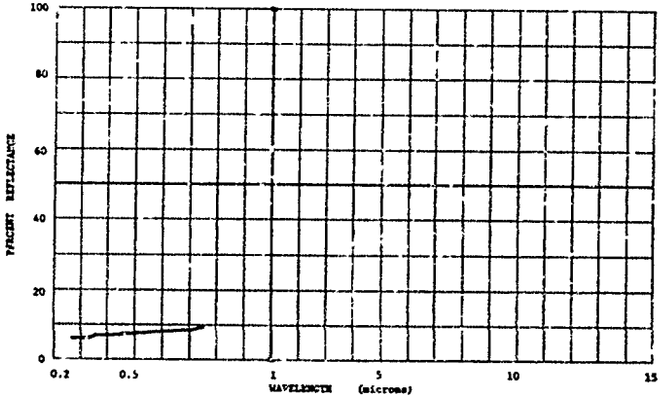
PARAMETER INFORMATION
CATE= 0 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-253 SOIL SAMPLE NUMBER 2-A, (SILT LOAM), MAXIMUM WATER CONTENT.

SUBJECT CODES
RFEE ECBBK CCA CEC CFAA DFCE CK ECAC ECAD ECB
ICCA

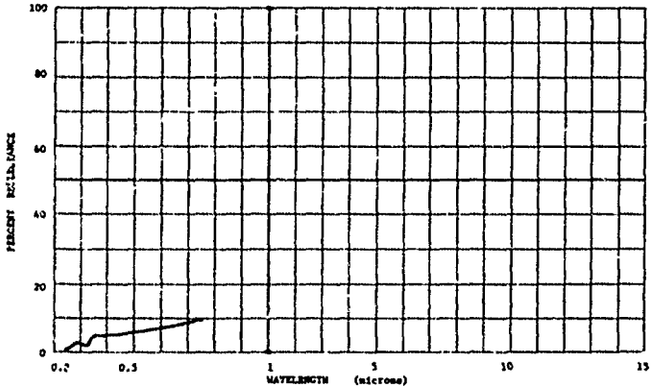
PARAMETER INFORMATION
CATE= 0 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR=
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B200CO-294 SOIL SAMPLE NUMBER 2-A, (SILT LOAM), 45 PERCENT SATURATED.

SUBJECT CODES
EPED ECBBK ECA CEC CFAA OPCE CK ECAC ECAD ECB
ECCA

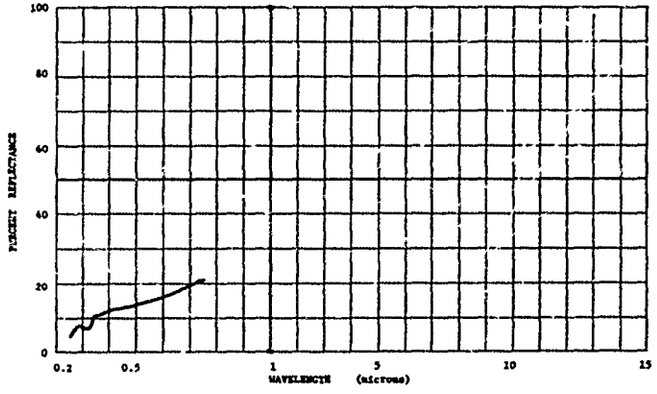
PARAMETER INFORMATION
CATE= 6 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBSI= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



B200CO-295 SOIL SAMPLE NUMBER 2-A, (SILT LOAM), 39 PERCENT SATURATED.

SUBJECT CODES
EPED ECBBK ECA CEC CFAA OPCE CK ECAC ECAD ECB
ECCA

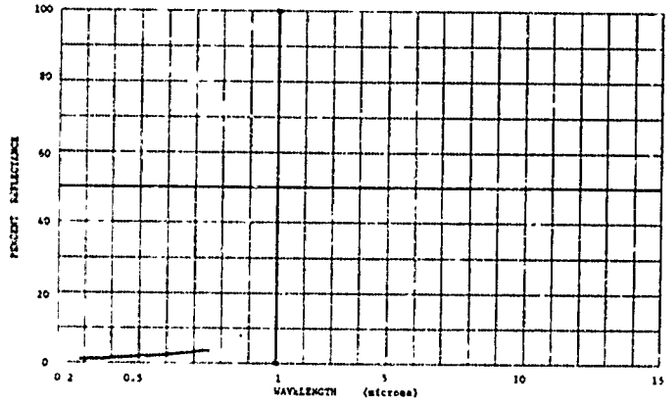
PARAMETER INFORMATION
CATE= 10 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBSI= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-238 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CCC EFAA EFCE CR ECAC ECAD ECB ECCA

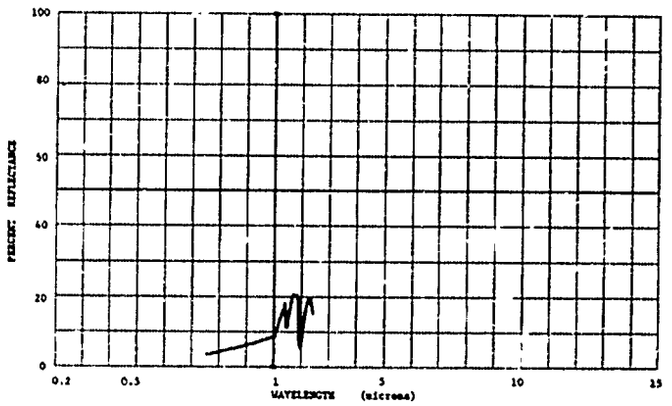
PARAMETER INFORMATION
CAIE= 9 E 66 TIPE= LAT= 46.5 N LONG= 86.9 W ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR=
COST= ITEPP= HINC SP= HIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-239 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE CR ECCA ECCB

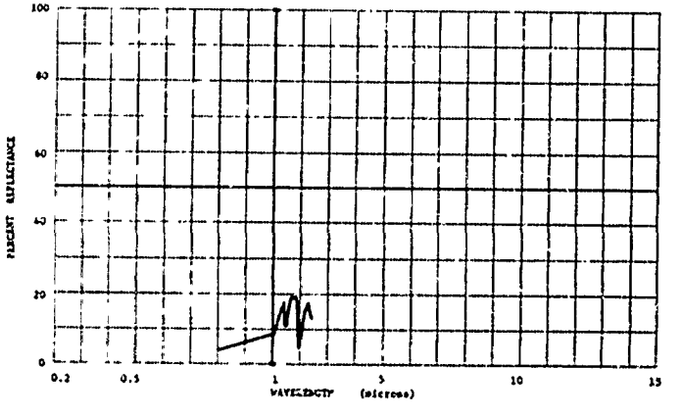
PARAMETER INFORMATION
CAIE= 13 E 66 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= ITEPP= HINC SP= HIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-240 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE CR ECCA ECCB

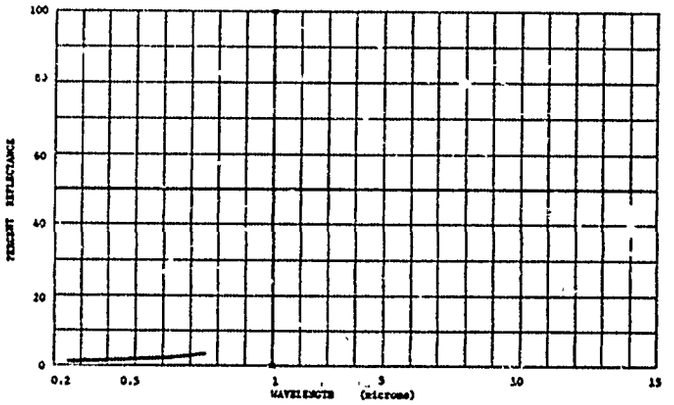
PARAMETER INFORMATION
CAIE= 8 E 66 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= ITEPP= HINC SP= HIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-241 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE CR ECAC ECAC ECB ECCA

PARAMETER INFORMATION
CAIE= 11 E 66 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= ITEPP= HINC SP= HIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

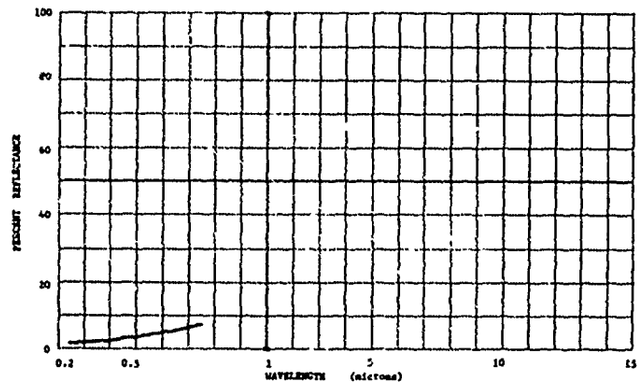


BRFA 9

B2CGCO-242 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE OK ECAC ECAD ECB ECCA

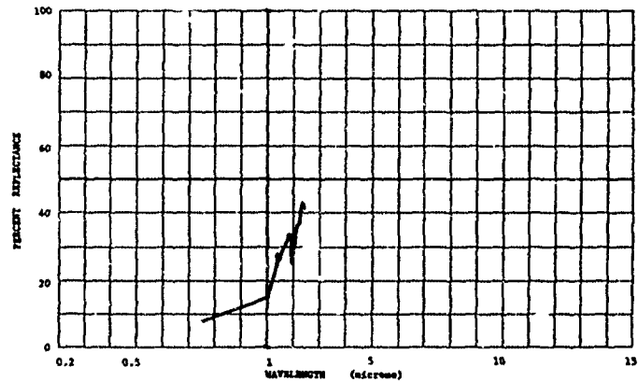
PARAMETER INFORMATION
CATE= 13 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CGCO-243 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE OK ECCA ECCB

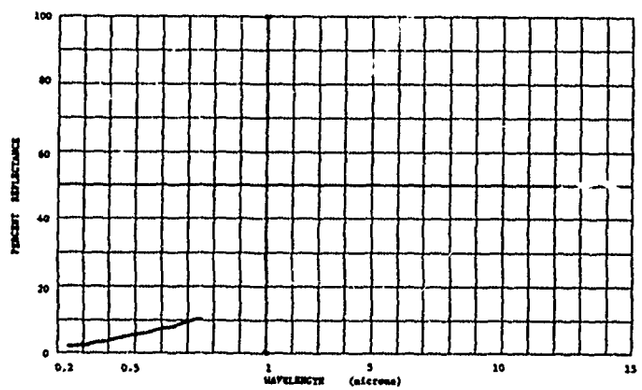
PARAMETER INFORMATION
CATE= 13 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CGCO-244 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE OK ECAC ECAD ECB ECCA

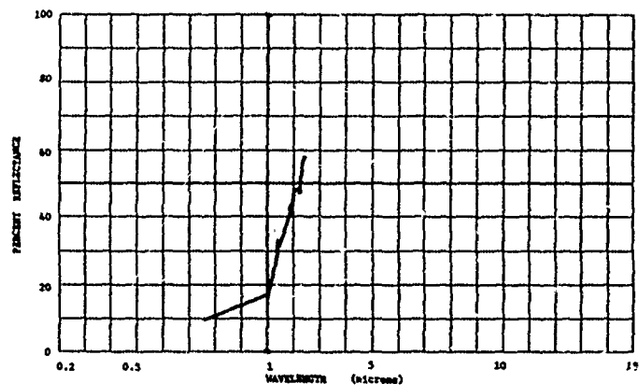
PARAMETER INFORMATION
CATE= 14 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CGCO-245 SOIL SAMPLE NUMBER 3-S, (CLAY LOAM).

SUBJECT CODES
EFFA CCA CEC EFAA EFCE OK ECCA ECCB

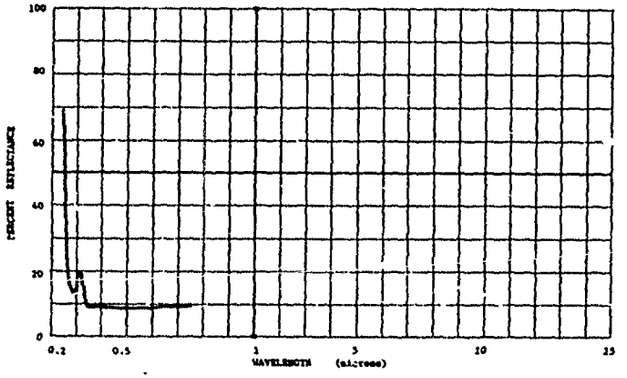
PARAMETER INFORMATION
CATE= 14 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-234 SOIL SAMPLE NUMBER 3-A, (SILTY CLAY LOAM).

SUBJECT CODES
OFFC ECOOL CCA CEC CPAA OPCE CK ECAC ECAD ECB ECCA

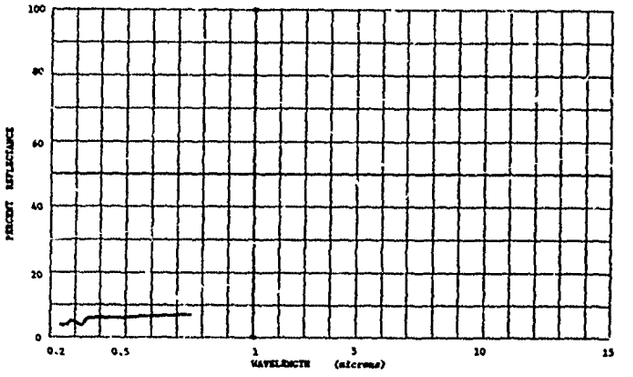
PARAMETER INFORMATION
DATE= 4 4 86 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-235 SOIL SAMPLE NUMBER 3-A, (SILTY CLAY LOAM).

SUBJECT CODES
OFFC ECOOL CCA CEC CPAA OPCE CK ECAC ECAD ECB ECCA

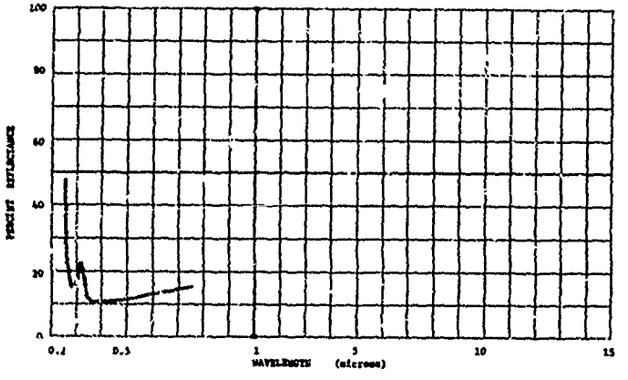
PARAMETER INFORMATION
DATE= 4 5 86 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-236 SOIL SAMPLE NUMBER 3-A, (SILTY CLAY LOAM).

SUBJECT CODES
OFFC ECOOL CCA CEC CPAA OPCE CK ECAC ECAD ECB ECCA

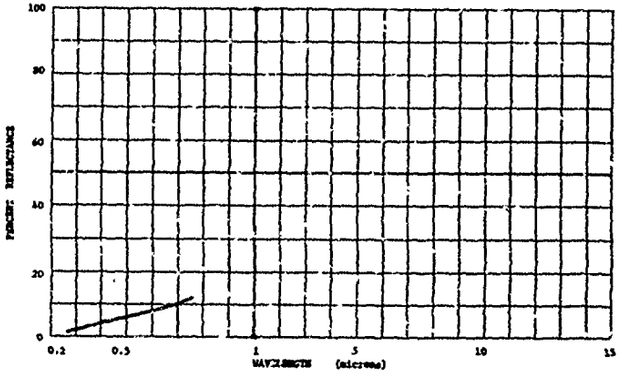
PARAMETER INFORMATION
DATE= 10 5 86 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-237 SOIL SAMPLE NUMBER 3-A, (SILTY CLAY LOAM).

SUBJECT CODES
OFFC ECOOL CCA CEC CPAA OPCE CK ECAC ECAD ECB ECCA

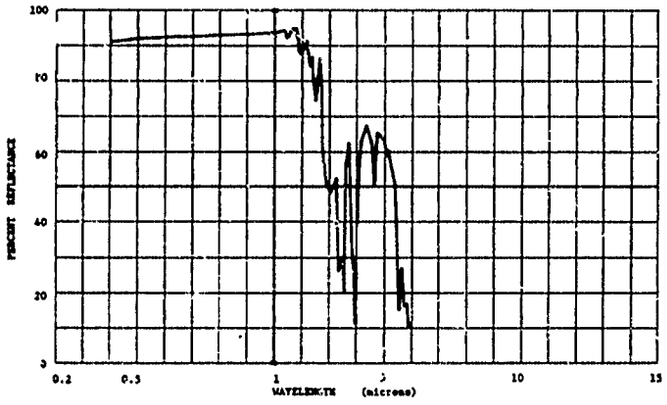
PARAMETER INFORMATION
DATE= 11 5 86 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-001 CALCIUM CARBONATE.

SUBJECT CODES
EFK CC CEC CFA CK ECB ECCA ECCB ECCC CCD

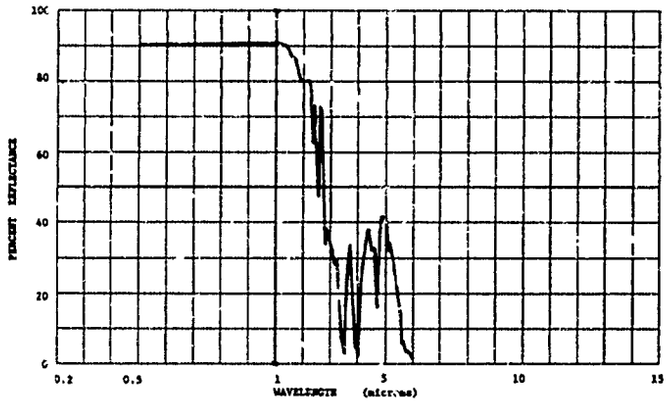
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



8048C4-002 SODIUM CARBONATE.

SUBJECT CODES
EFK CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

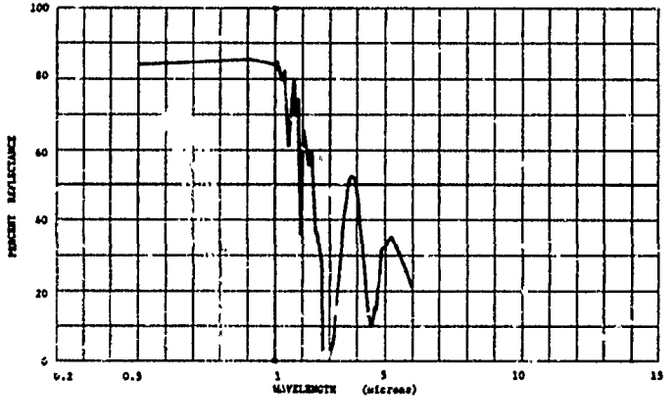
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



8048C4-003 MYEROUS CALCIUM SULFATE.

SUBJECT CODES
EFK CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

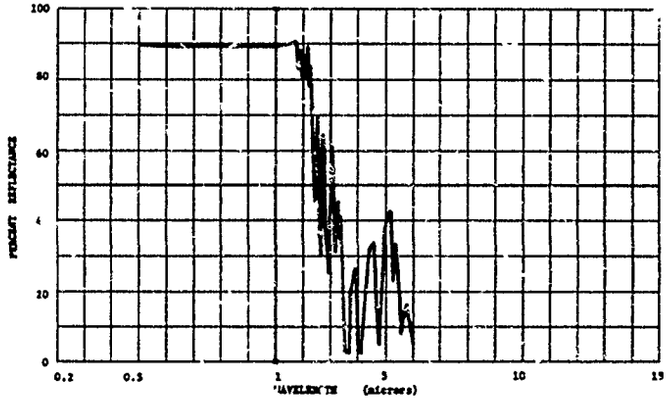
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



8048C4-004 SODIUM NITRATE.

SUBJECT CODES
EFK CC CEC CFA CK ECB ECCA ECCB ECCC ECCD

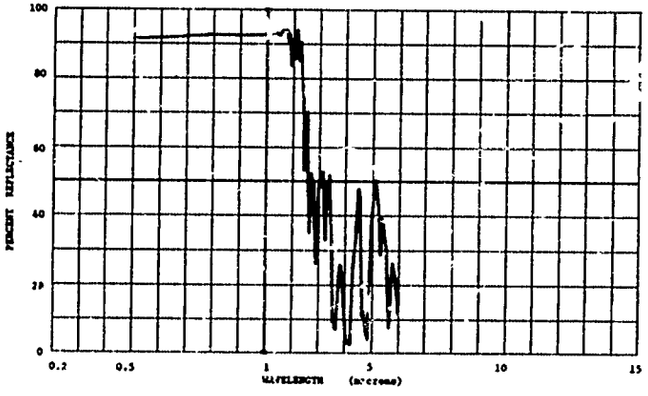
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



8048C4-005 POTASSIUM NITRATE.

SUBJECT CODES
EFK CC CEC DFA CK ECB ECCA ECCB ECCC ECCD

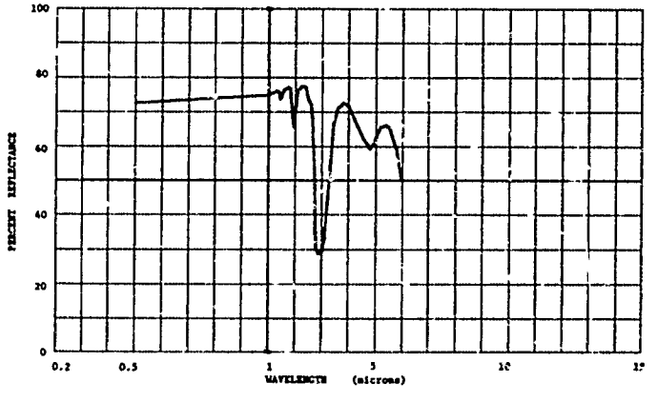
PARAMETER INFORMATION
DATE= 63 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-006 SODIUM CHLORIDE.

SUBJECT CODES
EFK CC CEC DFA CK ECB ECCA ECCB ECCC ECCD

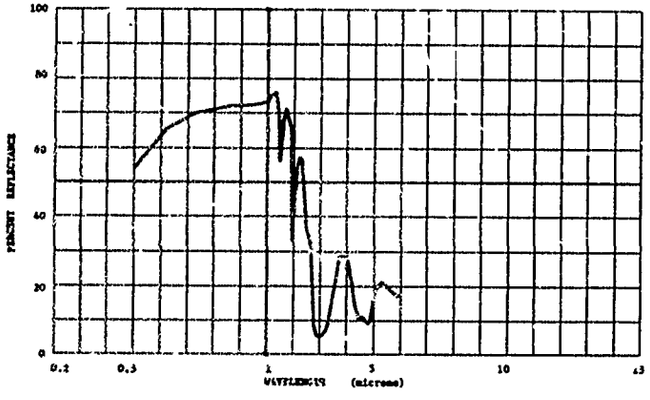
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C4-015 SALT POOL, DEATH VALLEY.

SUBJECT CODES
EFK CC CEC DFA CK ECB ECCA ECCB ECCC ECCD

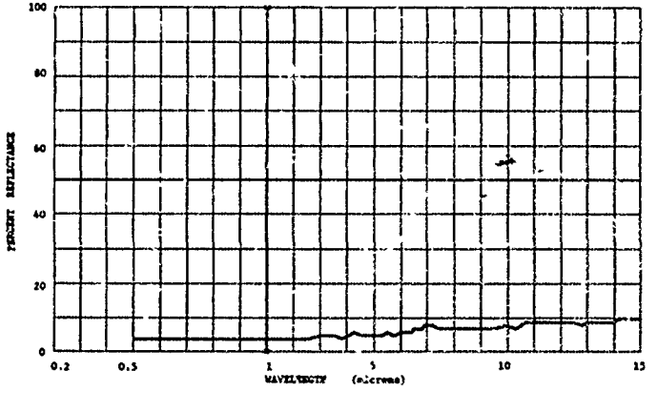
PARAMETER INFORMATION
DATE= 65 TIME= LAT= 36.5 N LONG= 117.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8049T9-074 GRAPHITE DUSTED ON SODIUM SILICATE 16 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
EFK CC CEC DFA CK ECAC ECB ECCA ECCB ECCC
ECCD ECCE

PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

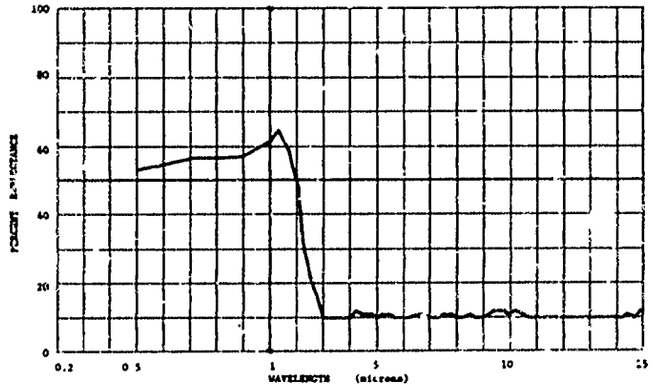


BFK 2

804979-077 FLUORITE DUSTED ON SODIUM SILICATE 12 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
EFK EFL AEA CC CEC LFA CK ECAD ECB ECCA
ECCB ECCC ECCE ECCE

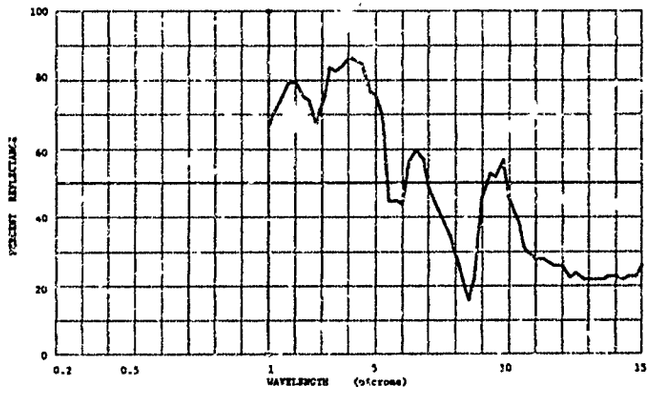
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-082 MICA, 1.5 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
EFK AEA CC CEC CFA CK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

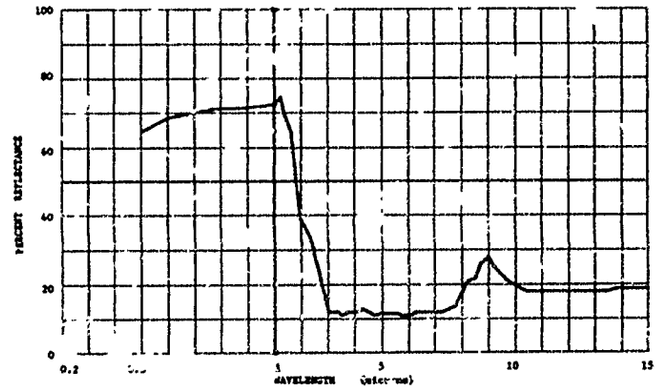
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-085 QUARTZ DUSTED ON SODIUM SILICATE, 30 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
EFK EFL AEA CC CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCE ECCE

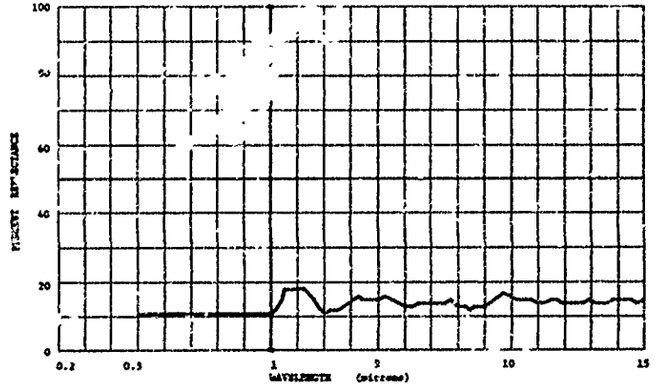
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-086 PYRITE DUSTED ON SODIUM SILICATE ON POLISHED ALUMINUM.

SUBJECT CODES
EFK EFL AEA CC CEC DFA CK ECAD ECB ECCA
ECCB ECCC ECCE ECCE

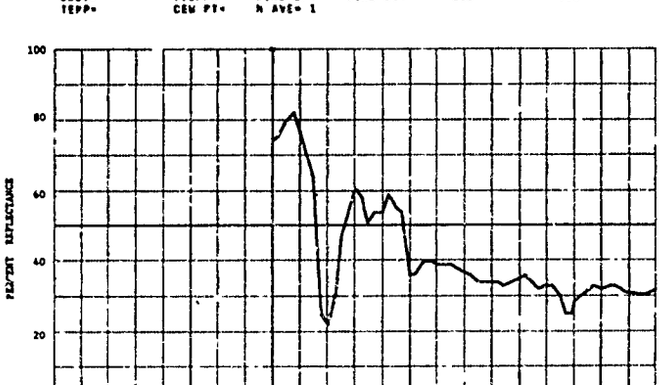
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804979-088 THO(2), POWDERE.. ON POLISHED ALUMINUM.

SUBJECT CODES
BFL AEA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

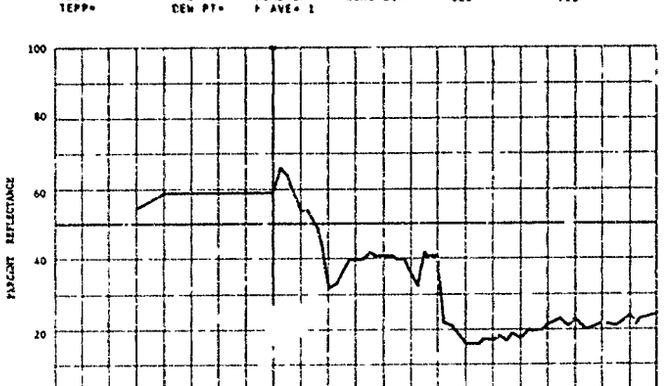
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-089 SULFUR DUSTED ON SODIUM SILICATE 10 MIL.

SUBJECT CODES
CAAC BFL CC CEC CFA DK ECAC ECB ECCA ECCB
ECCC ECCC ECCE

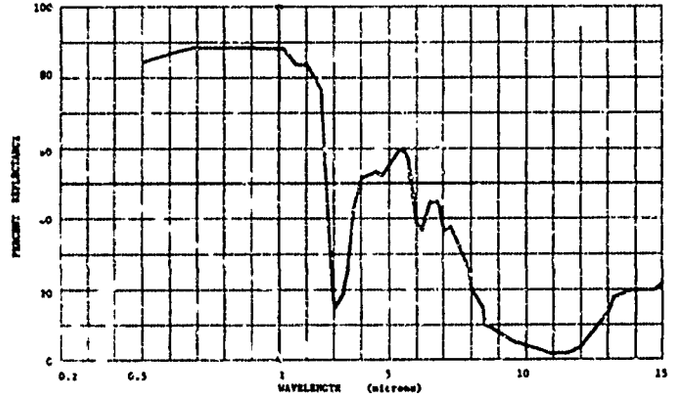
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-091 TITANOX-RA, 2 MIL, MIXED WITH WATER ON POLISHED ALUMINUM.

SUBJECT CODES
BFL AEA CC CEC CFA DK ECAD ECB ECCA ECCB
ECCC ECCC ECCE

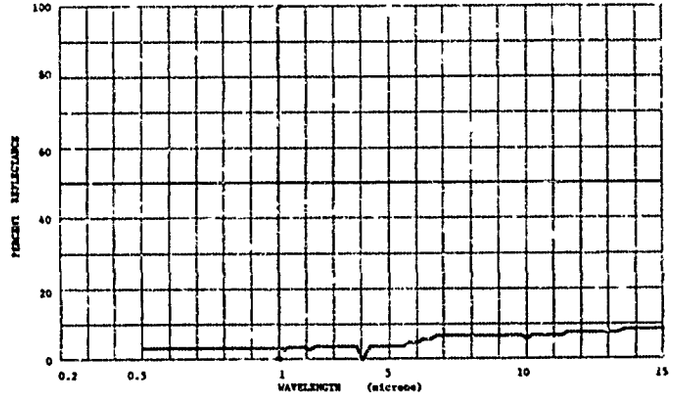
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAL. RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



804979-099 CARBON BLACK, SODIUM SILICATE, POWDERED GLASS 13 MIL ON ALUMINUM.

SUBJECT CODES
BFL ECBBI AEJ AEA CC CED CFA DK ECAD ECB
ECCA EFCB ECCC ECCD ECCE

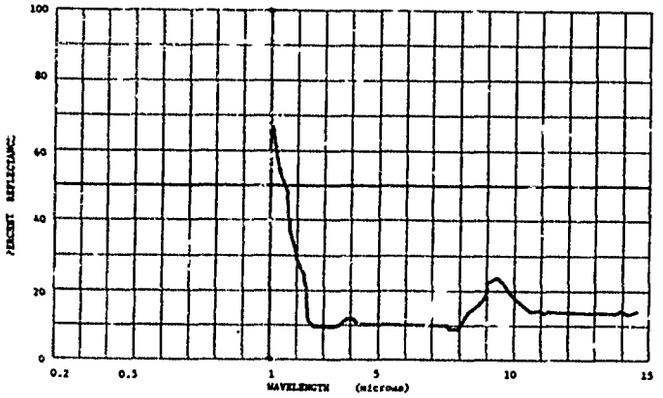
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= H AVE= 1



B04979-112 SODIUM SILICATE, 3 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
RFL AEA CD CEC CFA DR ECAD ECB ECCA ECCB
ECCC ECCD ECCE

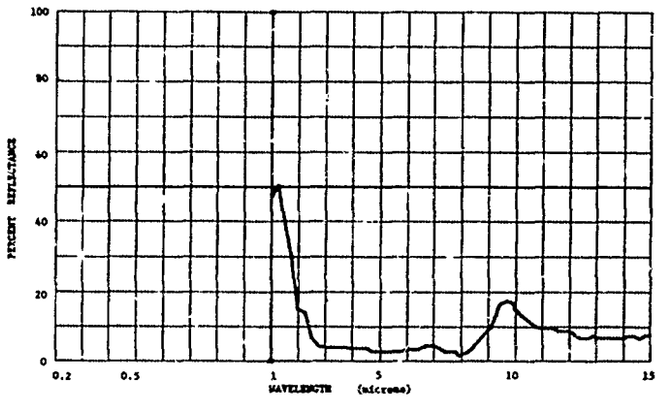
PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= SW= IAZ= CN= CAZ= IRR= E
OBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B04979-113 SODIUM SILICATE, MIXED WITH POWDERED GLASS, 9 MIL ON POLISHED ALUMINUM.

SUBJECT CODES
RFL AEJ AEA CD CEC DFA DK ECAD ECB ECCA
ECCB ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= GC TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

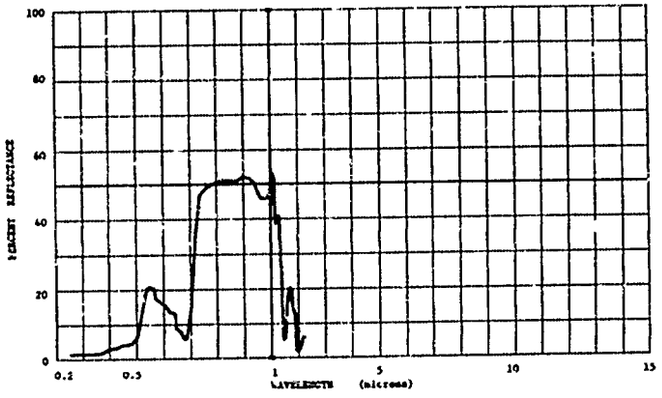


REV. 2

9C3333-C01 SPHAGNUM MOSS.

SUBJECT CODES
ECPAA CC CEC CPA CPCC CK ECAC ECAC ECB ECCA
ECCC

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= SAZ= CK= CAI= IBR= E
COST= TEPP= WIAC SP= WIAD DI= CLO= VIS=
TEPP= CEN PT= N AVE= 1

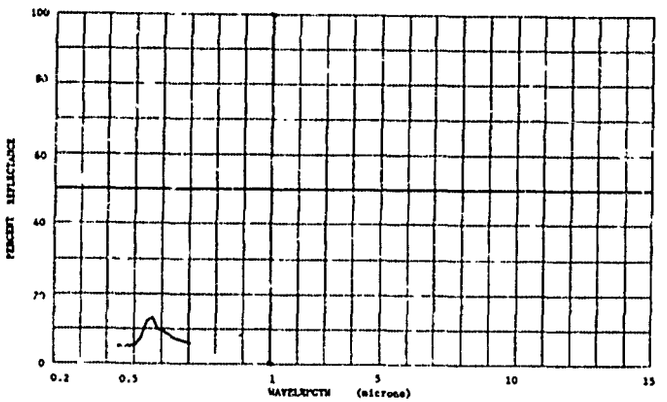


BDB 2

B01761-029 MILKWEED, ASCLEPIAS SYRIACA, UPPER LEAF SURFACE.

SUBJECT CODES
BGC BCFBC CC CEC CFA CFCC CK CED

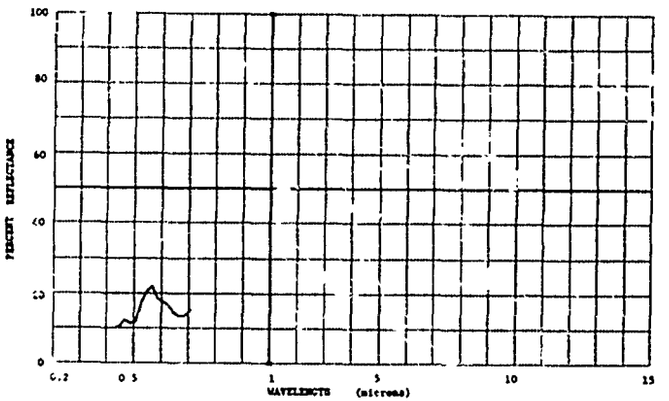
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .6 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B01761-030 MILKWEED, ASCLEPIAS SYRIACA, LOWER LEAF SURFACE.

SUBJECT CODES
BGC BCFBC CC CEC CFA CFCC CK ECA

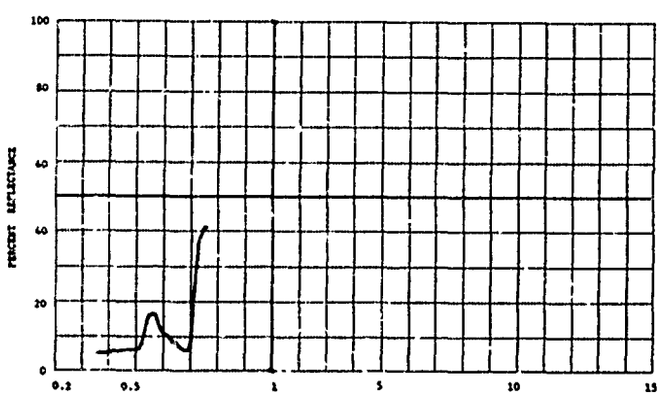
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2C000-337 MINT (MENTHA), UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGC BCFBC CDA CEC CFAA CFCE CK ECAD ECB ECCA

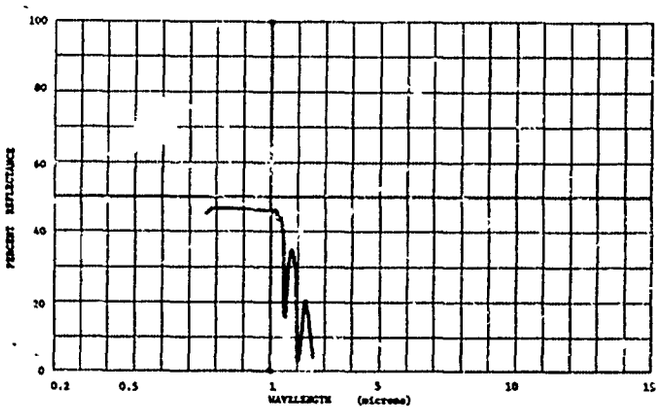
PARAMETER INFORMATION
CATE= 12 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



...-338 MINT (MENTHA), UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGC BCFBD CDA CEC CFAA CFCE CK ECCA ECCB

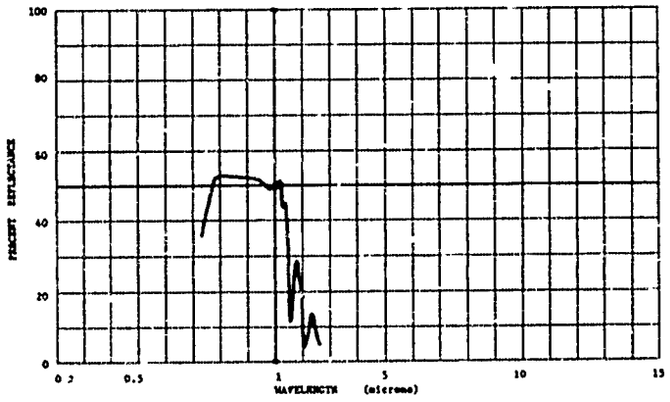
PARAMETER INFORMATION
CATE= 12 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



820000-340 DRACAENA MARGINATA, UPPER LEAF SURFACE, LESS THAN 1 HOUR AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CED CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
DATE= .2 0 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



820000-341 DRACAENA MARGINATA, LOWER LEAF SURFACE, LESS THAN 1 HOUR AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CED CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
DATE= 12 0 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
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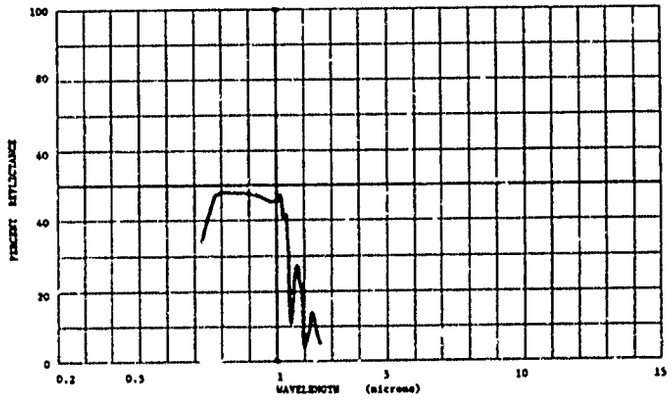
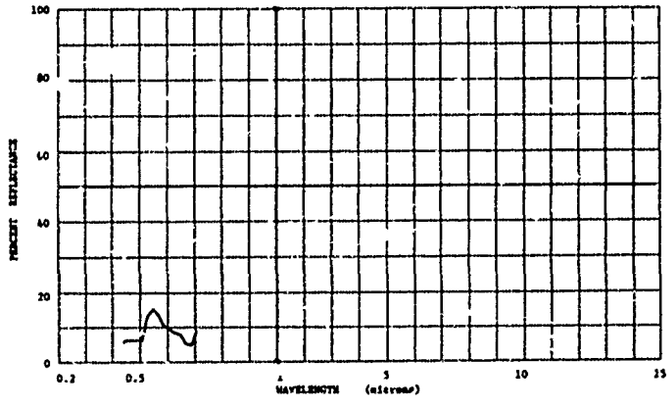


801761-031 COCKLEBUR, XANTHIUM ITALICUM, UPPER LEAF SURFACE.

SUBJECT CODES
ECCC BCFBC CC CED CFA DFCE CK ECB

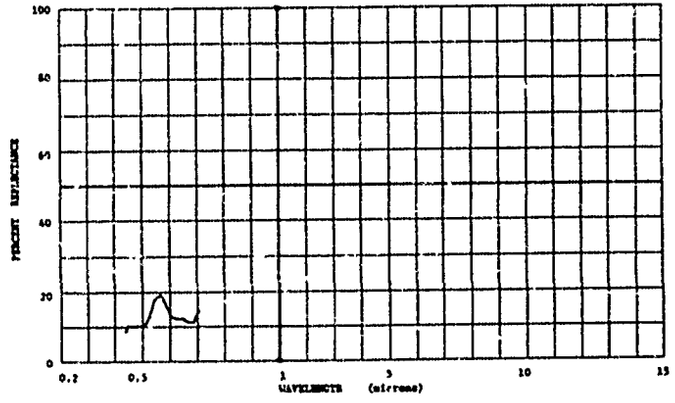
PARAMETER INFORMATION
DATE= 24 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-032 COCKLEBUR, XANTHIUM ITALICUM, LOWER LEAF SURFACE.

SUBJECT CODES
ECCC BCFBC CD CED CFA DFCE CK ECB

PARAMETER INFORMATION
DATE= 24 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

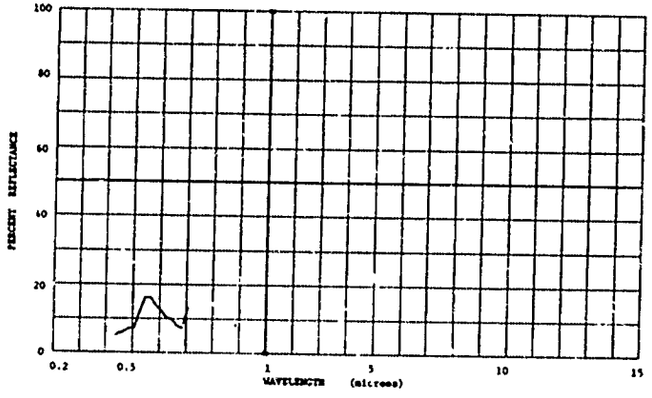


BOC 145

801761-033 BURCOCK, ARCTIUM MINUS, UPPER LEAF SURFACE.

SUBJECT CODES
BGCC BGFBC CD CEC CFA DFCC CK ECB

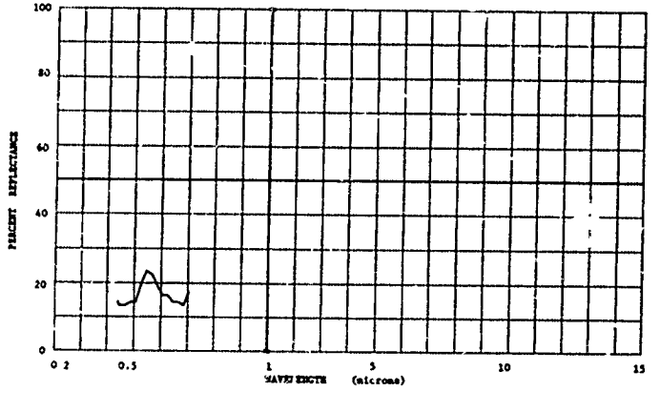
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CONT= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



801761-034 BURCOCK, ARCTIUM MINUS, LOWER LEAF SURFACE.

SUBJECT CODES
BGCC BGFBC CD CEC CFA DFCC CK ECB

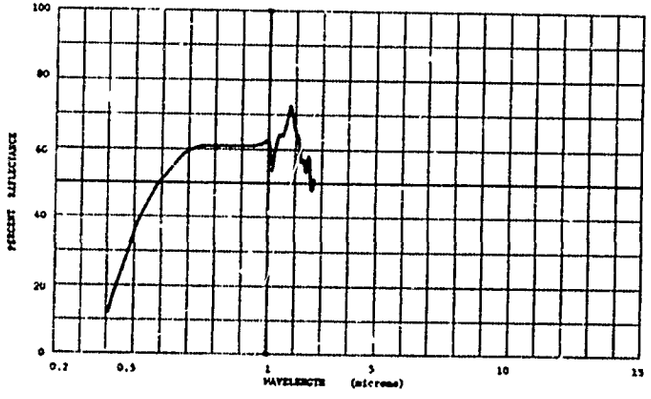
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CONT= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804803-022 HARDING GRASS, CURED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCP BGFBC CD CEC CFA DK ECB ECCA ECCB

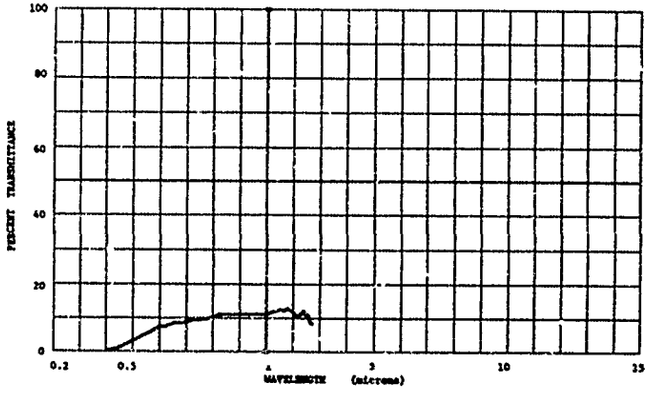
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CONT= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



804803-023 HARDING GRASS, CURED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCP BGFBC CD CEC CI DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CONT= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1

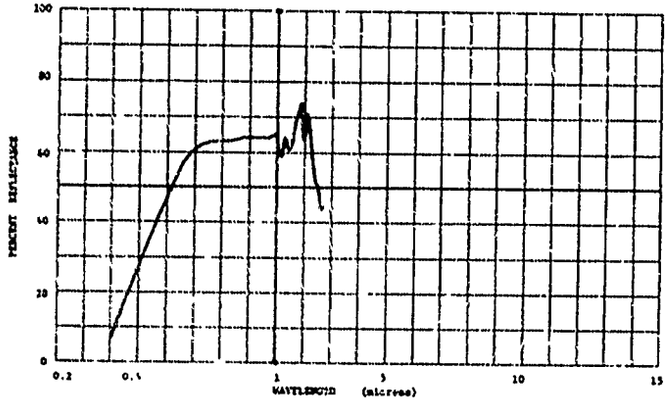


BDC 146

804803-024 HARDING GRASS, CURED, UPPER LEAF SURFACE.

SUBJECT CODES
EGCP EGFBC CD CEC CFA DK ECB ECCA ECCB

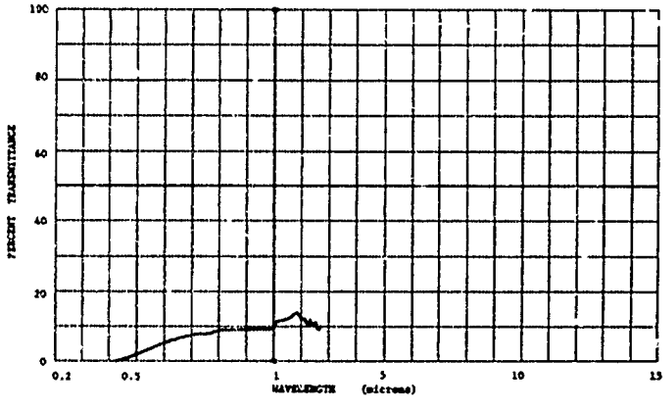
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-025 HARDING GRASS, CURED, UPPER LEAF SURFACE.

SUBJECT CODES
EGCP EGFBC CD CEC CI DK ECB ECCA ECCB

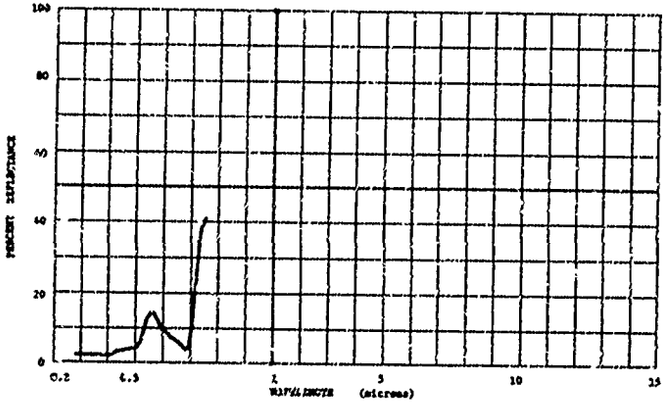
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-219 GRASS BLADES, UPPER LEAF SURFACE.

SUBJECT CODES
EGCP EGFBC CDA CEL CFAA DFCE DK ECAC ECAD ECB
ECCA

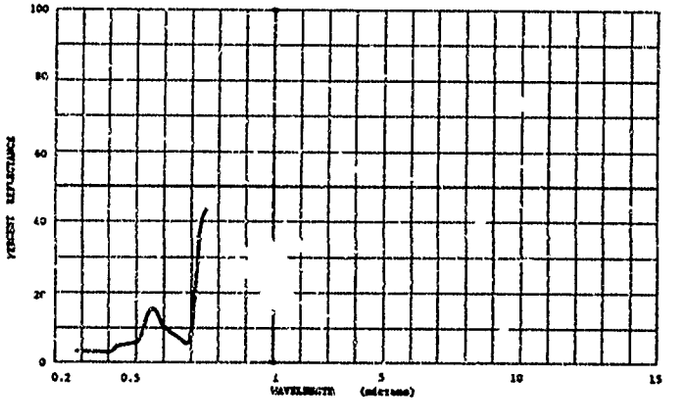
PARAMETER INFORMATION
DATE= 18 7 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-220 GRASS BLADES, LOWER LEAF SURFACE.

SUBJECT CODES
EGCP EGFBC CDA CEC CFAA DFCE DK ECAC ECAD ECB
ECCA

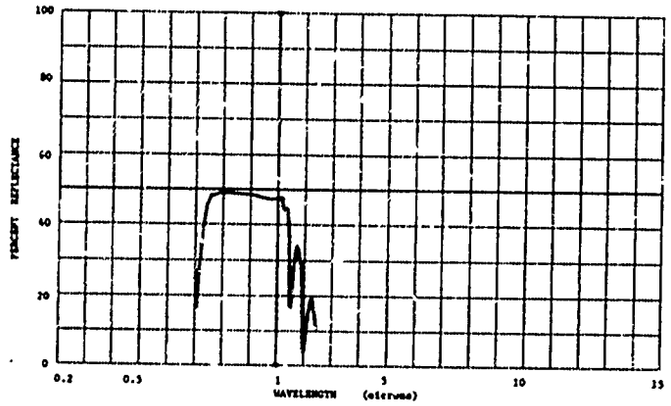
PARAMETER INFORMATION
DATE= 18 7 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2CCCO-221 GRASS BLADES, UPPER LEAF SURFACE.

SUBJECT CODES
ECCP ECFBC CDA CEC CFAA DFCE CK ECCA ECCB

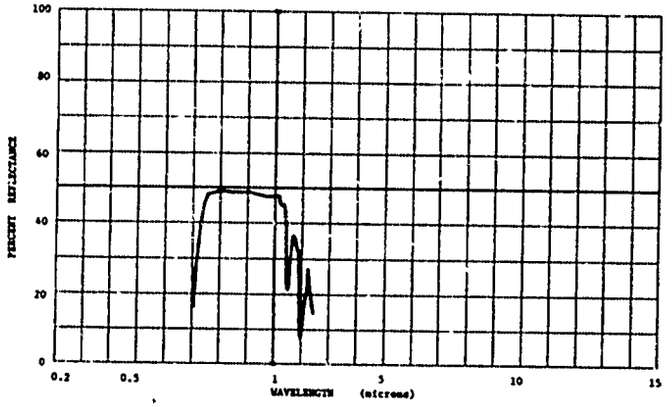
PARAMETER INFORMATION
DATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CCCO-222 GRASS BLADES, LOWER LEAF SURFACE.

SUBJECT CODES
ECCP ECFBC CDA CEC CFAA DFCE CK ECCA ECCB

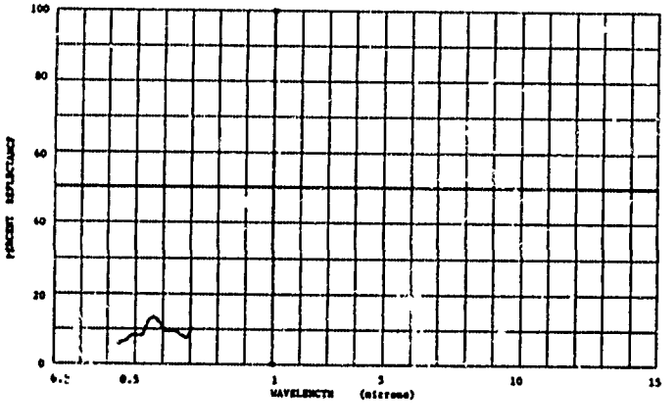
PARAMETER INFORMATION
DATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B01761-035 CORN, ZEA MAYS, UPPER LEAF SURFACE.

SUBJECT CODES
ECCPC ECFBC CC CEC CFA DFCC CK ECP

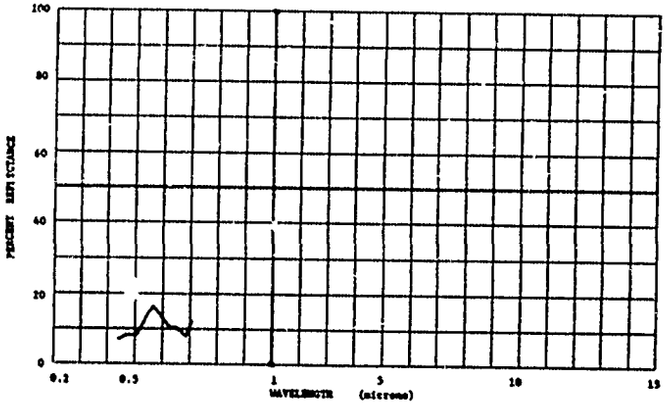
PARAMETER INFORMATION
DATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B01761-036 CORN, ZEA MAYS, LOWER LEAF SURFACE.

SUBJECT CODES
ECCPC ECFBC CC CEC CFA DFCC CK ECP

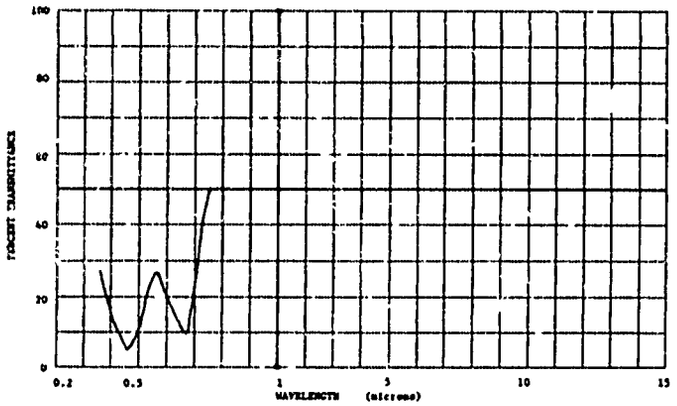
PARAMETER INFORMATION
DATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801948-CF2 CORN, LEAF.

SUBJECT CODES
EGCPC EGF CD CEC CFCF DIA CK ECOD ECH ECCA

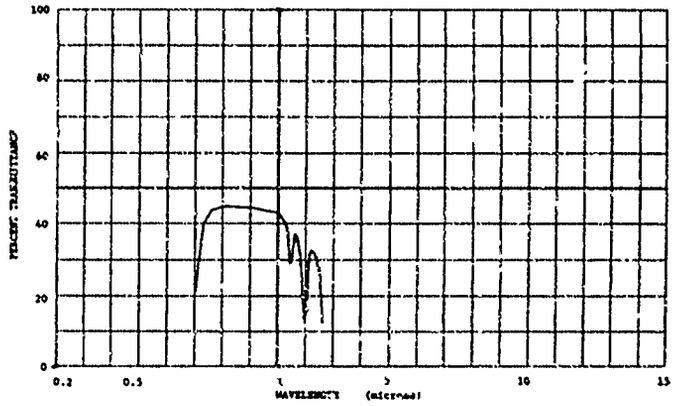
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801948-010 MAIZE, LEAF.

SUBJECT CODES
EGCPC EGF CD CEC CFCF DIA CK ECCA ECCB

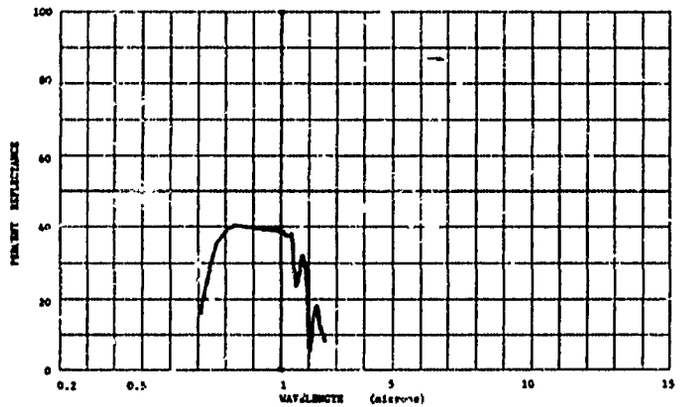
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801948-011 MAIZE, LOWER LEAF SURFACE.

SUBJECT CODES
EGCPC EGFPC CD CEC CFCF DFD CK ECCA ECCB

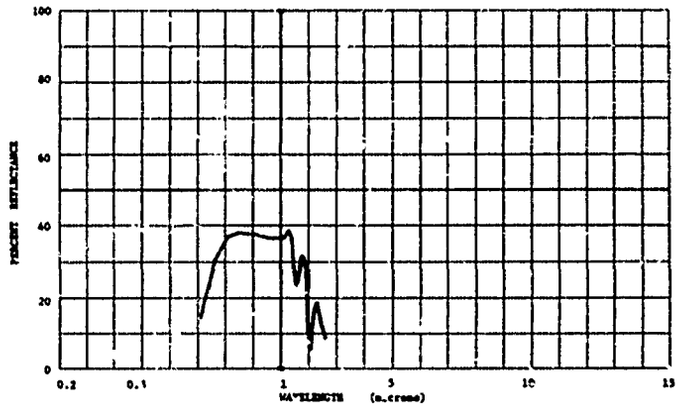
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801948-012 MAIZE, UPPER LEAF SURFACE.

SUBJECT CODES
EGCPC EGFPC CD CEC CFCF DFD CK ECCA ECCB

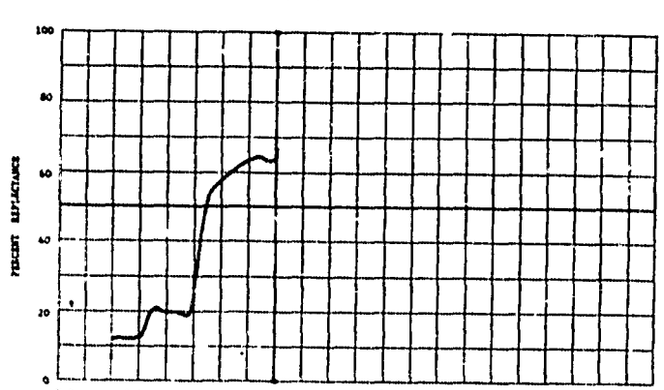
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BC1352-064 LEAVES OF SUGAR, SPRAYED AND INOCULATED.

SUBJECT CODES
ECCPP ECPA COE CEC CPAA DFCE CR ECB ECCA

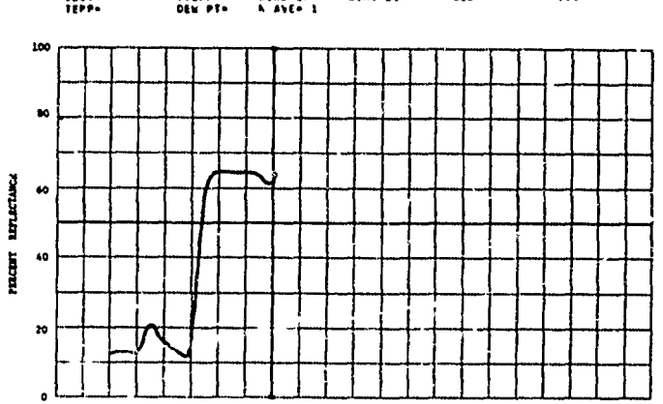
PARAMETER INFORMATION
CATE= 7 S 52 TIME= LAT= 39.C N LONG= 76.9 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CA= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-065 LEAVES OF SUGAR, SPRAYED.

SUBJECT CODES
ECCPP ECPA COE CEC CPAA DFCE CR ECB ECCA

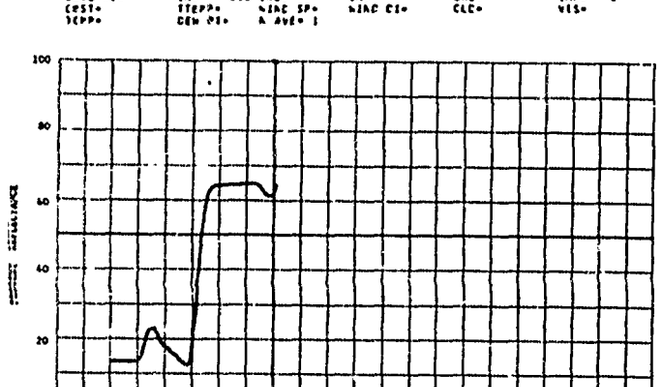
PARAMETER INFORMATION
CATE= 7 S 52 TIME= LAT= 39.C N LONG= 76.9 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CA= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-066 LEAVES OF LEE, NATURAL.

SUBJECT CODES
ECCPP ECPA COE CEC CPAA DFCE CR ECB ECCA

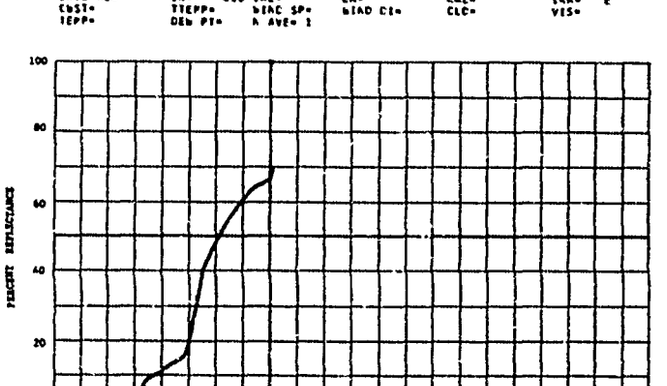
PARAMETER INFORMATION
CATE= 7 S 52 TIME= LAT= 39.C N LONG= 76.9 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CA= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-067 LEAVES OF WHEAT, INOCULATED, SPECIES UNDESIGNATED.

SUBJECT CODES
ECCPP ECPA COE CEC CPAA DFCE CR ECB ECCA

PARAMETER INFORMATION
CATE= 15 S 52 TIME= LAT= 39.C N LONG= 76.9 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CA= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1

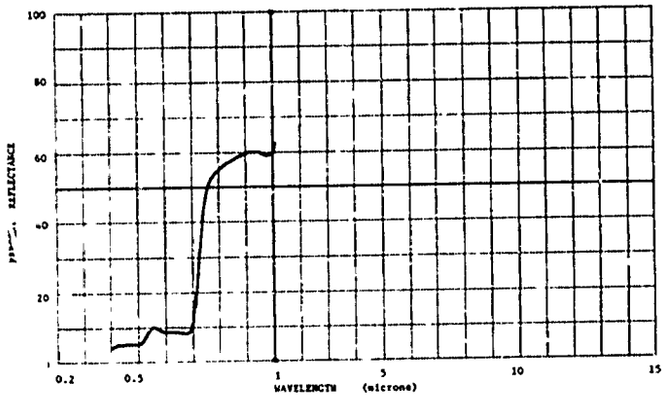


BC 190

801352-008 LEAVES OF L.C. WHEAT, SUSCEPTIBLE, INOCULATED, EXCESSIVE WATER.

SUBJECT CODES
DCCPP DCFA CDE CEC CFAA DFCE CK ECB ECCA

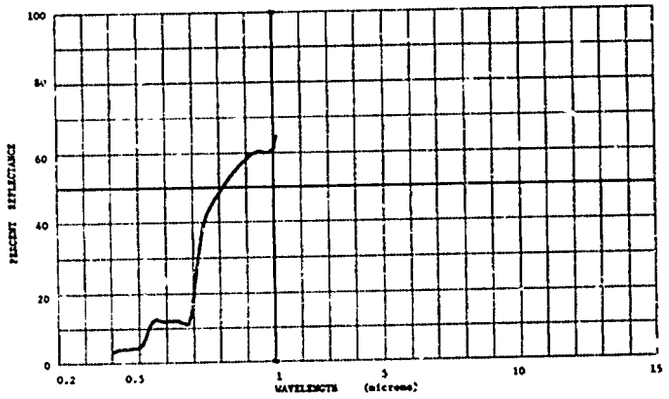
PARAMETER INFORMATION
CATE= 16 5 52 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
DUST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801352-009 LEAVES OF L.C. WHEAT, SUSCEPTIBLE, INOCULATED, LOW WATER.

SUBJECT CODES
DCCPP DCFA CDE CEC CFAA DFCE CK ECB ECCA

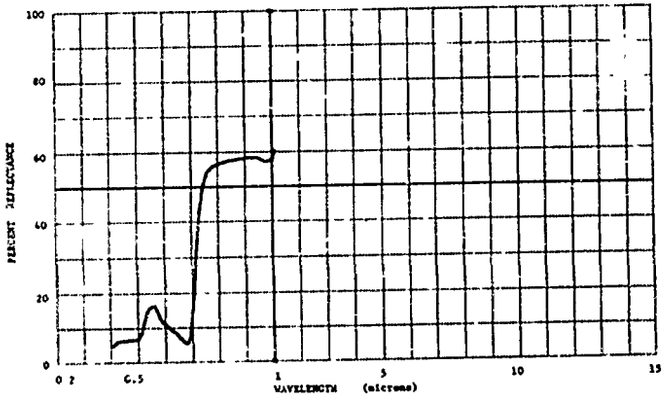
PARAMETER INFORMATION
CATE= 16 5 52 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
DUST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801352-010 MIDDLE WHEAT LEAVES, RESISTANT, LOW WATER.

SUBJECT CODES
DCCPP DCFA CDE CEC CFAA DFCE CK ECB ECCA

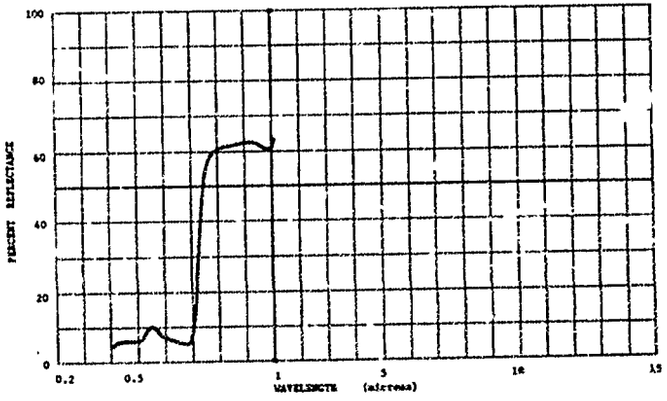
PARAMETER INFORMATION
CATE= 16 5 52 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
DUST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801352-011 TOP WHEAT LEAVES, RESISTANT, EXCESSIVE WATER.

SUBJECT CODES
DCCPP DCFA CDE CEC CFAA DFCE CK ECB ECCA

PARAMETER INFORMATION
CATE= 16 5 52 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
DUST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

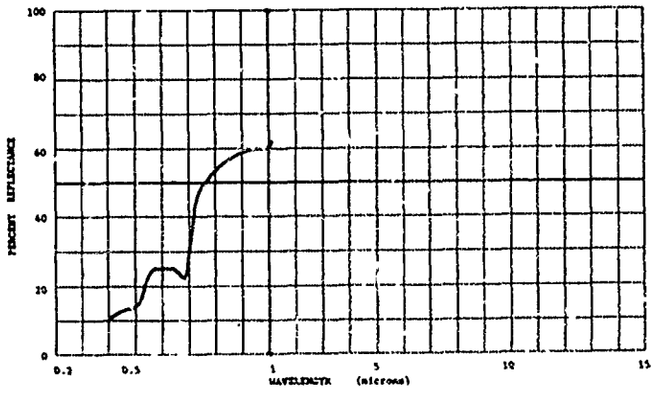


DOC 151

B01352-012 LEAVES OF WHEAT, INOCULATED, SPECIES UNDESIGNATED.

SUBJECT CODES
EGCPP EGFA CDE CEC EFAA EFCE CR ECB ECCA

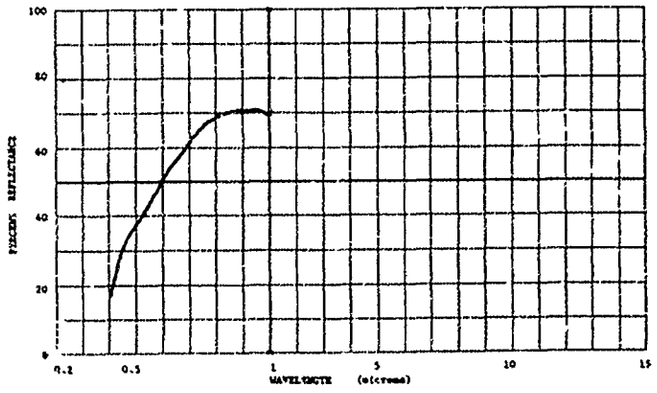
PARAMETER INFORMATION
CATE= 3 ε 92 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= C
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= W AVE= 1



B01352-013 NATURE WHEAT HEADS, INOCULATED.

SUBJECT CODES
EGCPP CCB CEC EFAA EFCE CR ECB ECCA

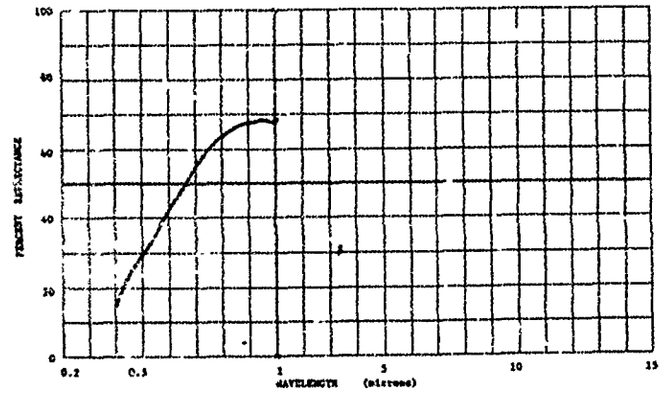
PARAMETER INFORMATION
CATE= 3 ε 92 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= C
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= W AVE= 1



B01352-014 NATURE WHEAT HEADS, INOCULATED.

SUBJECT CODES
EGCPP CCB CEC EFAA EFCE CR ECB ECCA

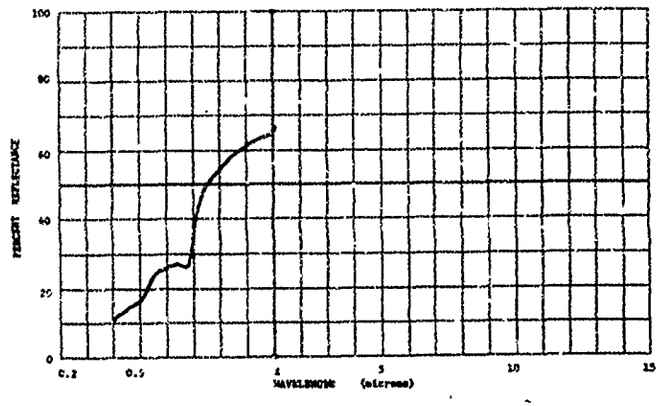
PARAMETER INFORMATION
CATE= 3 ε 92 TIME= LAT= 35.0 N LONG= 76.9 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= C
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= W AVE= 1



B01352-015 LEAVES OF NESTAR WHEAT, HIGH RUST SEVERITY.

SUBJECT CODES
EGCPP EGFA CDE CEC EFAA EFCE CR ECB ECCA

PARAMETER INFORMATION
CATE= 29 ε 92 TIME= LAT= 35.0 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= C
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= W AVE= 1

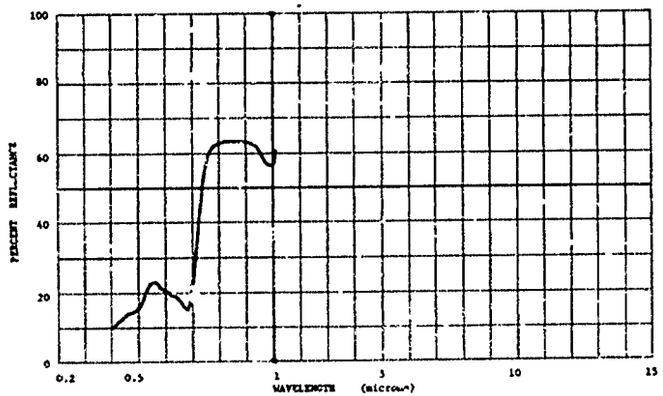


DOC 115

801352-016 HEADS OF WESTAR WHEAT, HIGH RUST SEVERITY.

SUBJECT CODES
RGCPP CCB CEC CFAA CPCE CK ECB ECCA

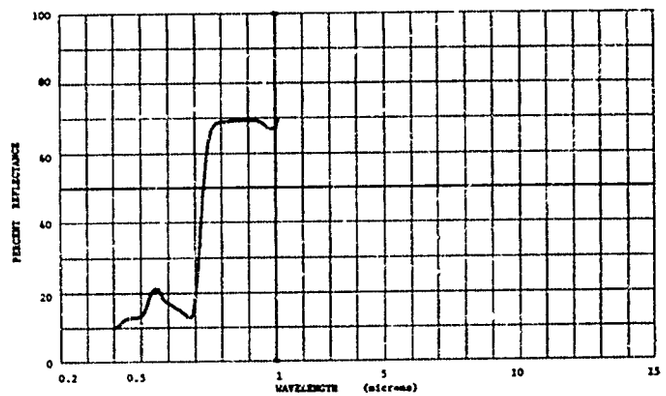
PARAMETER INFORMATION
DATE= 29 5 82 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= ITEPP= BIAC SP= BIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



801352-017 STALKS OF WESTAR WHEAT, HIGH RUST SEVERITY.

SUBJECT CODES
RGCPP CCB CEC CFAA CPCE CK ECB ECCA

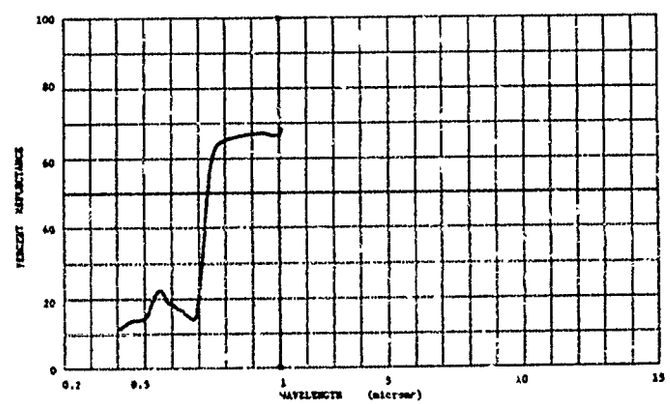
PARAMETER INFORMATION
DATE= 29 5 82 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= ITEPP= BIAC SP= BIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



801352-018 LEAVES OF WESTAR WHEAT, LOW RUST SEVERITY.

SUBJECT CODES
RGCPP RGFA CDE CEC CFAA CPCE CK ECB ECCA

PARAMETER INFORMATION
DATE= 29 5 82 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= ITEPP= BIAC SP= BIAD DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



801352-019 HEADS OF WESTAR WHEAT, LOW RUST SEVERITY.

SUBJECT CODES
RGCPP CCB CEC CFAA CPCE CK ECB ECCA

PARAMETER INFORMATION
DATE= 29 5 82 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= ITEPP= BIAC SP= BIAD DI= CLC= VIS=
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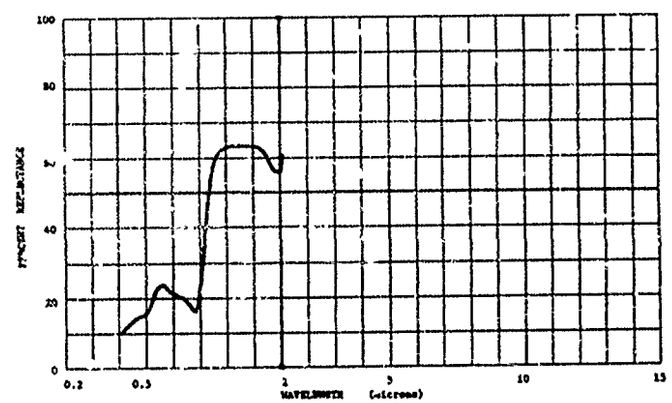
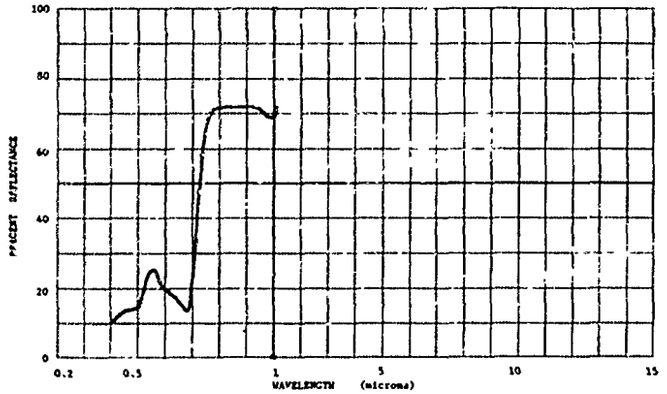


BOC 153

BC1352-G20 STALKS OF WESTAR WHEAT, LOW RUST SEVERITY.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

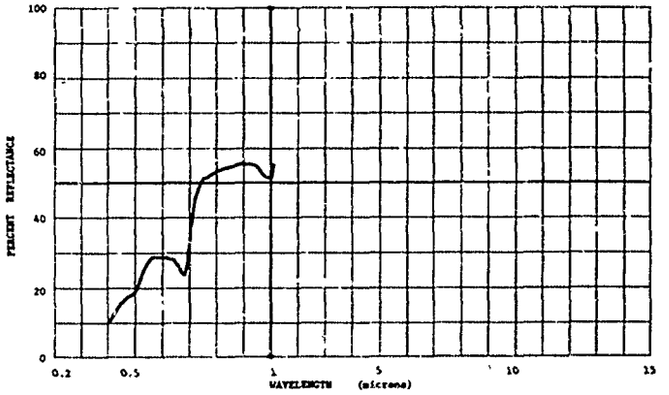
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-G21 HEADS OF WICHITA WHEAT, HIGH RUST SEVERITY.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

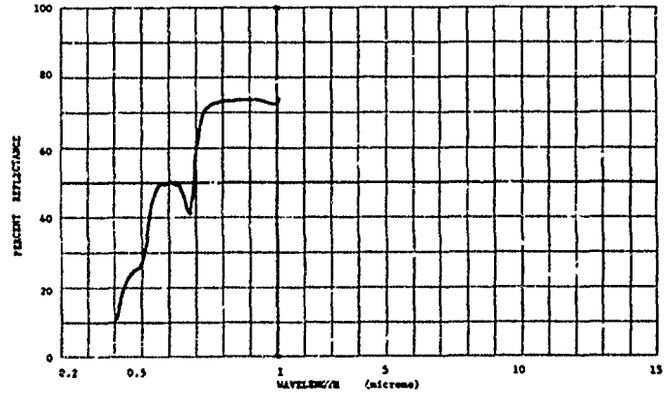
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-G22 STALKS OF WICHITA WHEAT, HIGH RUST SEVERITY.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

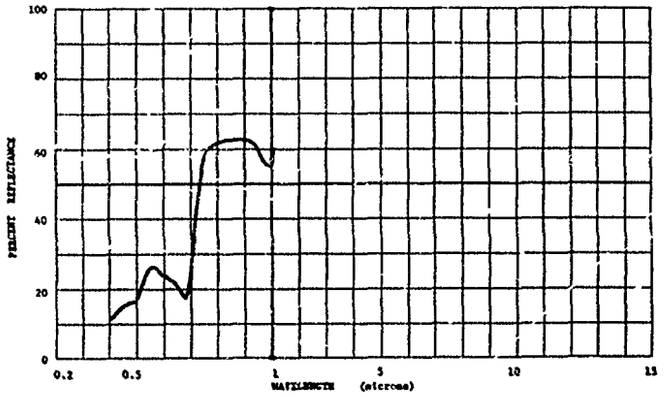
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-G23 HEADS OF WICHITA WHEAT, LOW RUST SEVERITY.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS AE= IN= 6.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

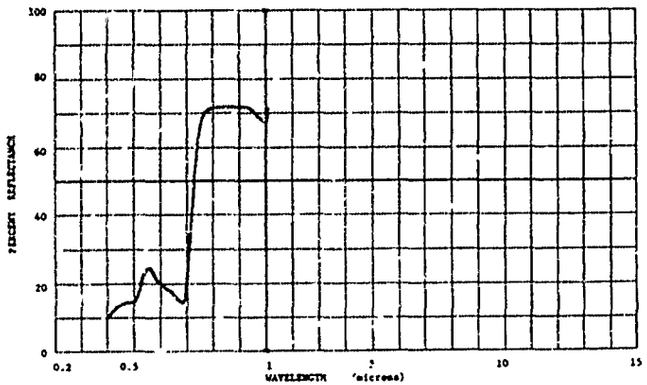


BGC 194

BC1352-024 STALKS OF WICHITA WHEAT, LOW RUST SEVERITY.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

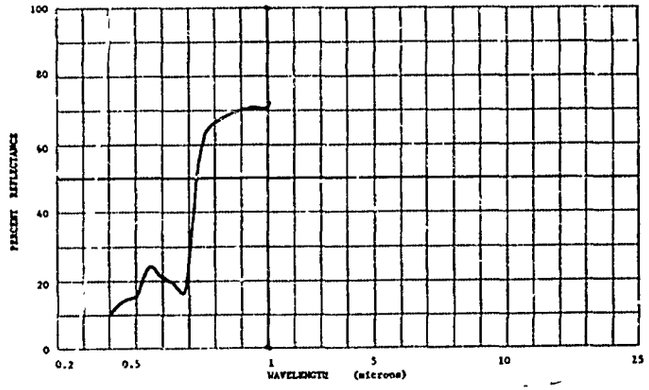
PARAMETER INFORMATION
CATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-025 LEAVES OF BLUE JACKET WHEAT.

SUBJECT CODES
EGCPP EGFS CCB CEC CFAA CFCE DK ECB ECCA

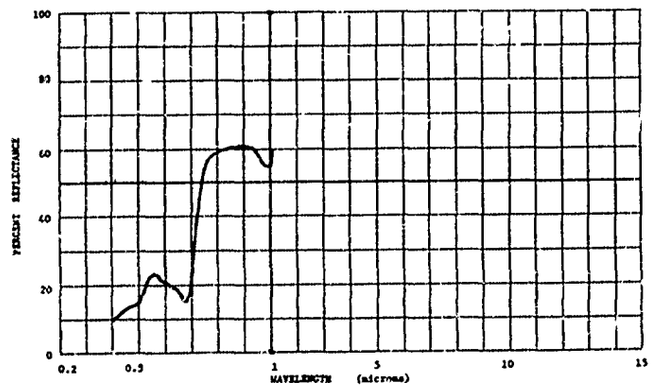
PARAMETER INFORMATION
CATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-026 HEADS OF BLUE JACKET WHEAT.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

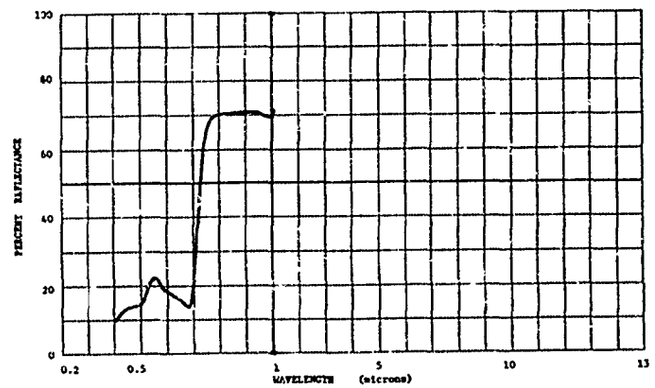
PARAMETER INFORMATION
CATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1352-027 STALKS OF BLUE JACKET WHEAT.

SUBJECT CODES
EGCPP CCB CEC CFAA CFCE DK ECB ECCA

PARAMETER INFORMATION
CATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CNST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

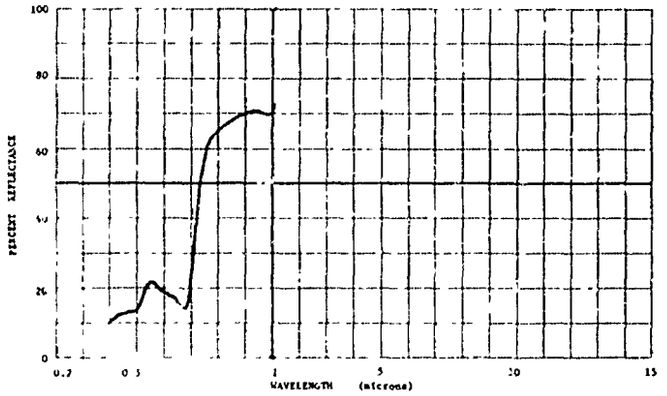


BC 185

801352-028 LEAVES OF BLUE JACKET WHEAT.

SUBJECT CODES
BCCPP BCFA CCP CEC DFAA DFCE CK ECB ECCA

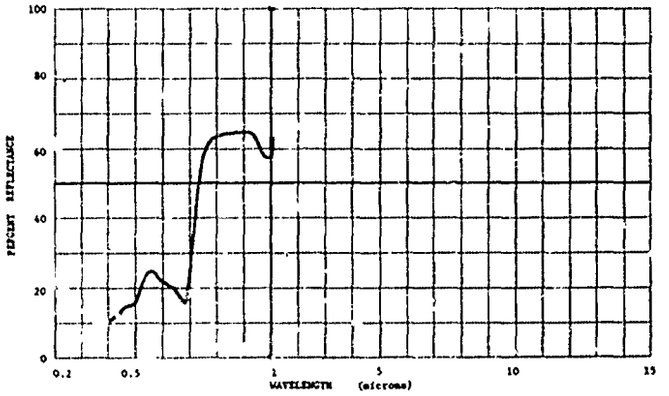
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801352-029 HEADS OF BLUE JACKET WHEAT.

SUBJECT CODES
BCCPP CCB CEC DFAA DFCE CK ECB ECCA

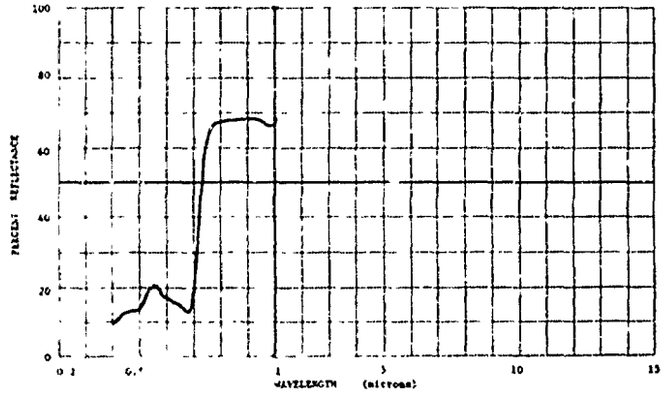
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801352-030 STALKS OF BLUE JACKET WHEAT.

SUBJECT CODES
BCCPP CCB CEC DFAA DFCE CK ECB ECCA

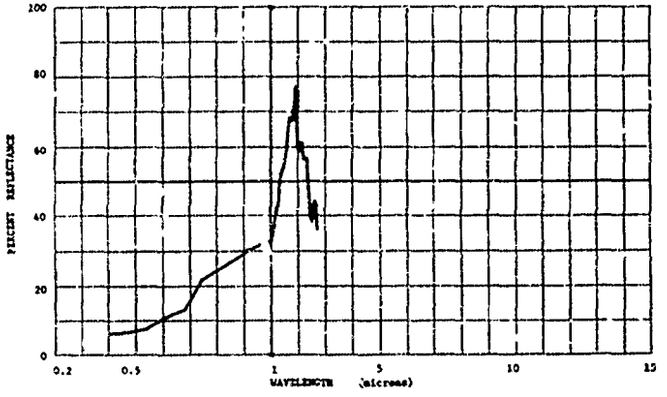
PARAMETER INFORMATION
DATE= 29 5 52 TIME= LAT= 36.5 N LONG= 97.3 W ALT= RANGE=
DAYS RE= IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-017 MANZANITA LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
BCCN BCFBC BCFF CD CEC DFA CK ECB ECCA ECCH

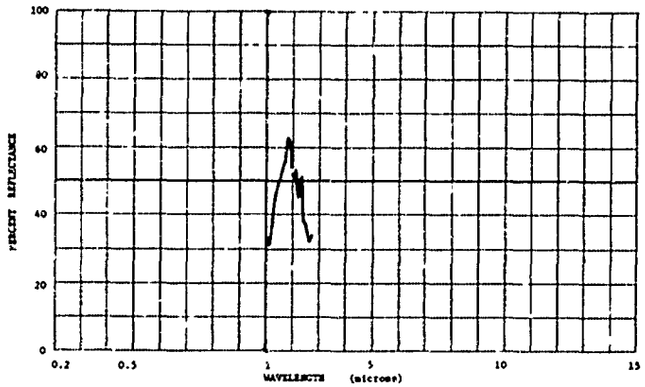
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C3-018 MANZANITA LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
EGCA BGFBC BGFF CD CEC DFA CK ECB ECCA ECCB

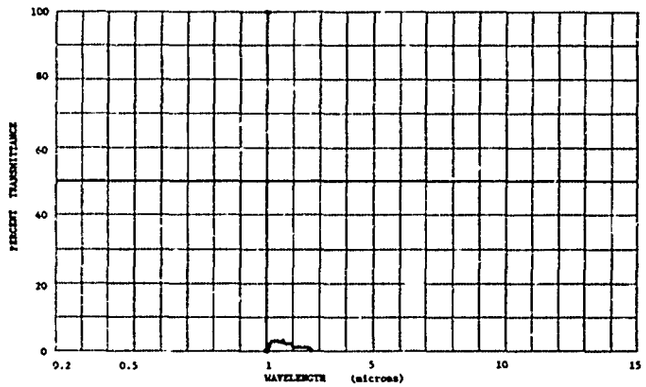
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C3-019 MANZANITA LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
EGCA BGFBC BGFF CD CEC DI CK ECB ECCA ECCB

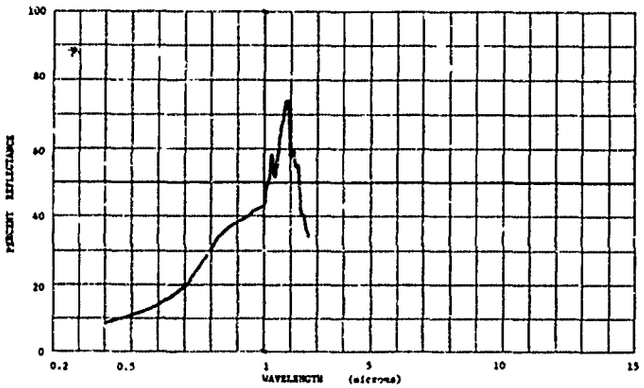
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C3-020 MANZANITA LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
EGCA BGFBC BGFF CD CEC DI CK ECB ECCA ECCB

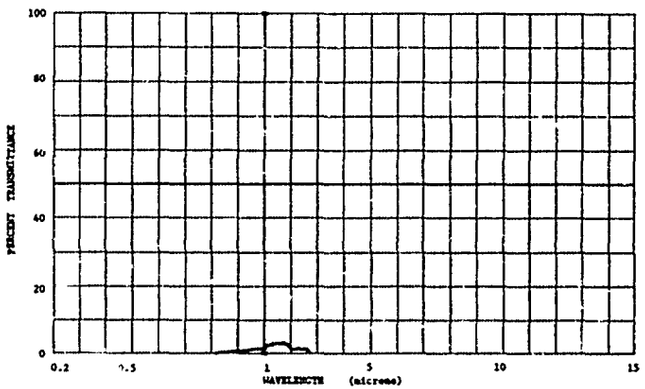
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B048C3-021 MANZANITA LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
EGCA BGFBC BGFF CD CEC DI CK ECB ECCA ECCB

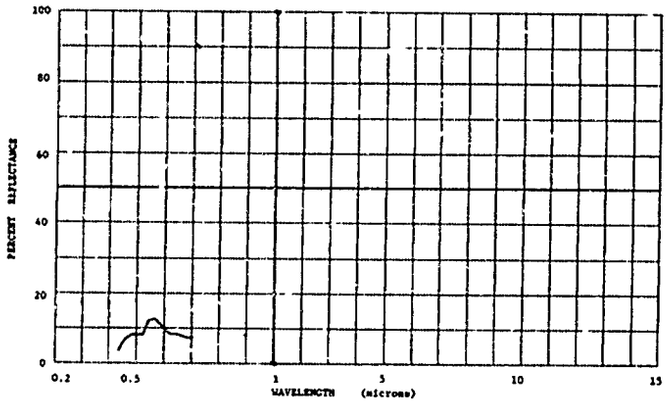
PARAMETER INFORMATION
DATE= 52 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-052 INDIAN MALLOW, ABUTILON THEOPHRASTI, UPPER LEAF SURFACE.

SUBJECT CODES
EGCC EGF9C CC CEC CFA DFCC CK ECB

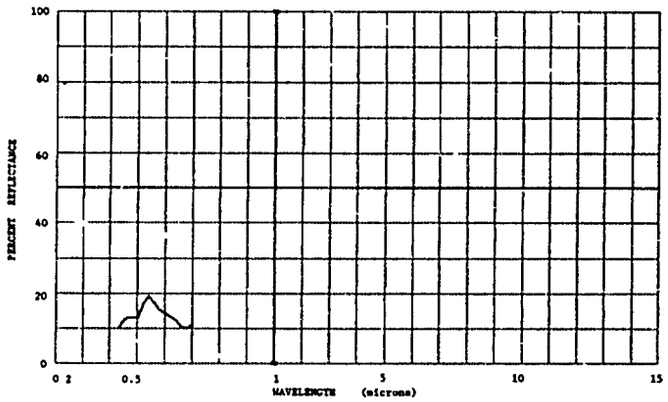
PARAMETER INFORMATION
CATE= 29 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
DAYS RE= INC= IAZ= CN= .C CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-053 INDIAN MALLOW, ABUTILON THEOPHRASTI, LOWER LEAF SURFACE.

SUBJECT CODES
EGCC EGF8C CC CEC CFA DFCC CK ECB

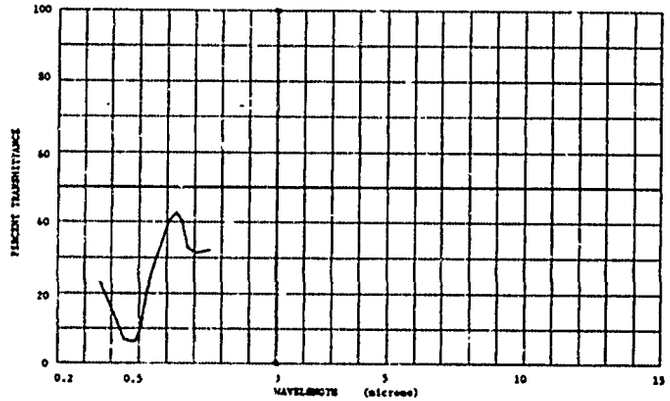
PARAMETER INFORMATION
CATE= 29 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
DAYS RE= INC= IAZ= CN= .C CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801548-003 HIBISCUS, YELLOW LEAF.

SUBJECT CODES
EGCC EGF EGF8C CC CEC DFCF CIA DK ECAD ECB
ECCA

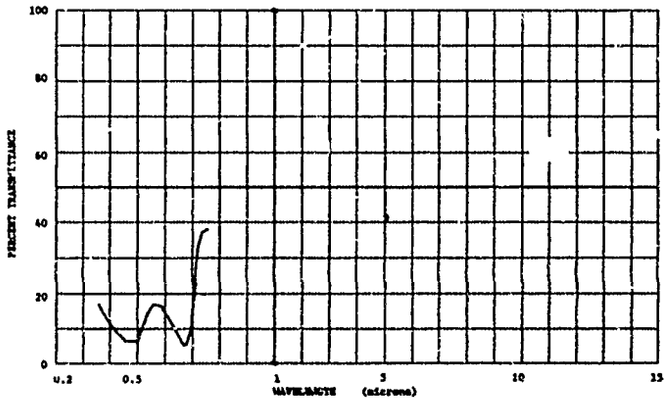
PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= .0 IAZ= CN= .0 CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801948-004 HIBISCUS, LIGHT GREEN LEAF.

SUBJECT CODES
EGCC EGF EGF8B CC CEC DFCF CIA DK ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= INC= .0 IAZ= CN= .C CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

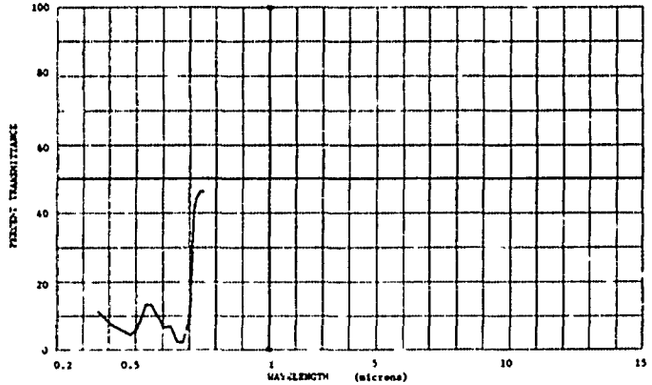


BCC 184

801948-005 HIBISCUS, DARK GREEN LEAF.

SUBJECT CODES
BGCC BGFB ECBWB CC CEC DFCF CIA DK ECAD ECB
ECCA

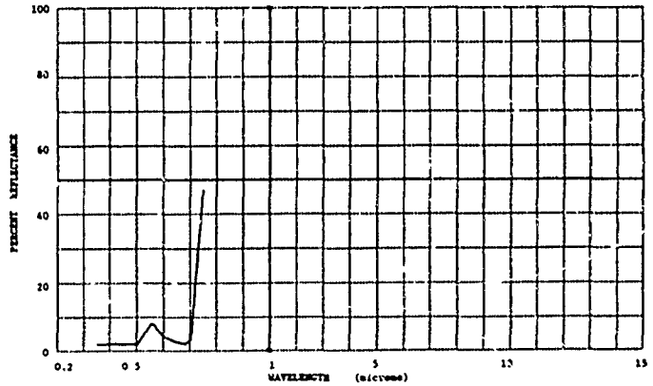
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-005 HIBISCUS, UPPER LEAF SURFACE, 10 MINUTES AFTER PICKING.

SUBJECT CODES
BGCC BGFBC CDA CED CFAA DFCE DK ECAD ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 31 3 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

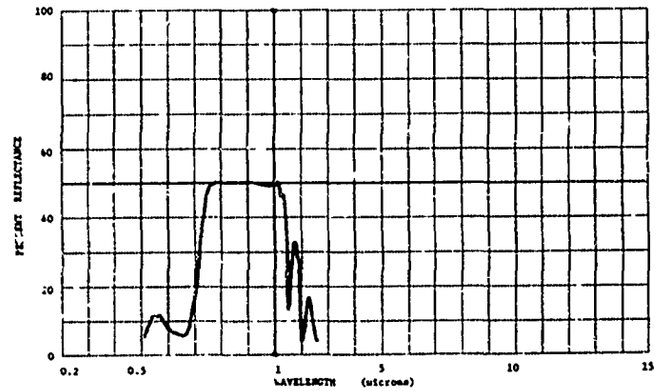


804616-001 COTTON LEAF--81.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB DFCE DK ECB
ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

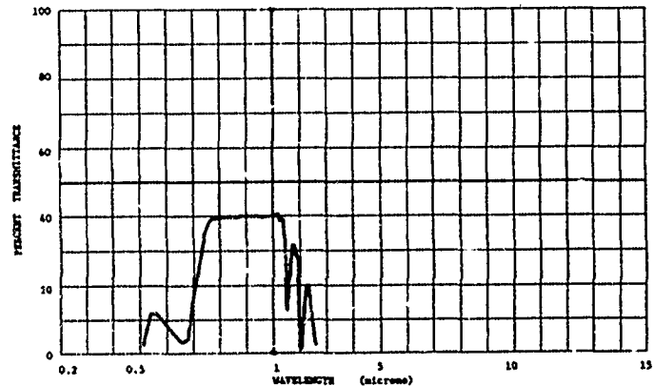


804616-002 COTTON LEAF--81.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

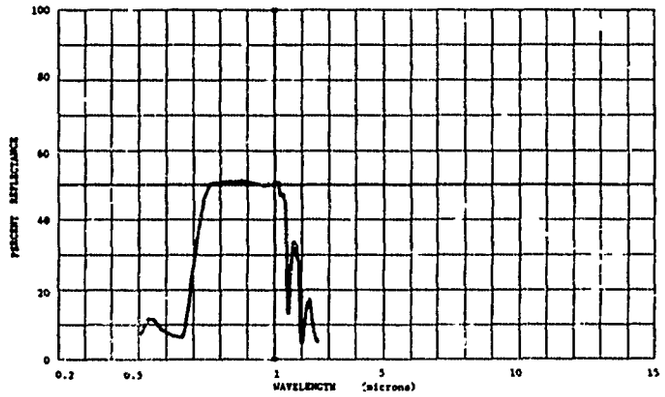


804616-003 COTTON LEAF--80.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

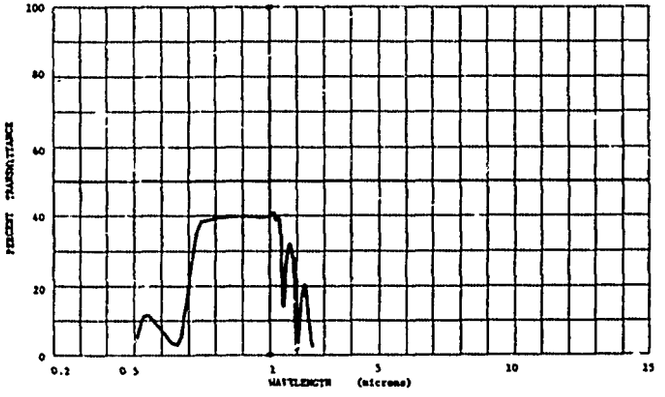


804616-004 COTTON LEAF--80.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFA CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

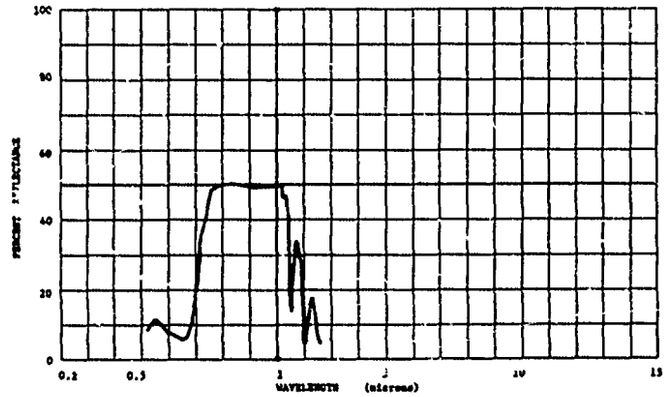


804616-005 COTTON LEAF--77.1 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

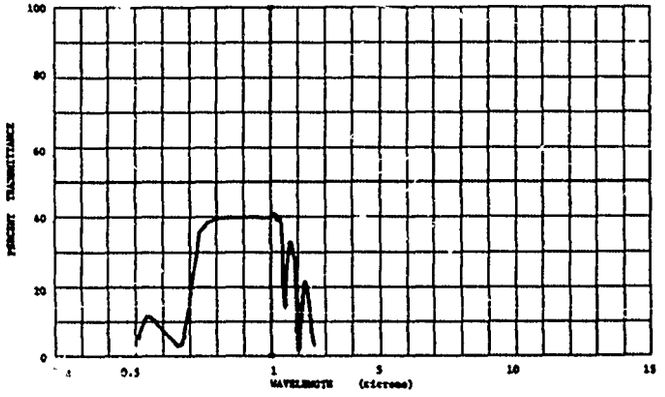


804616-006 COTTON LEAF--77.1 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFA CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1



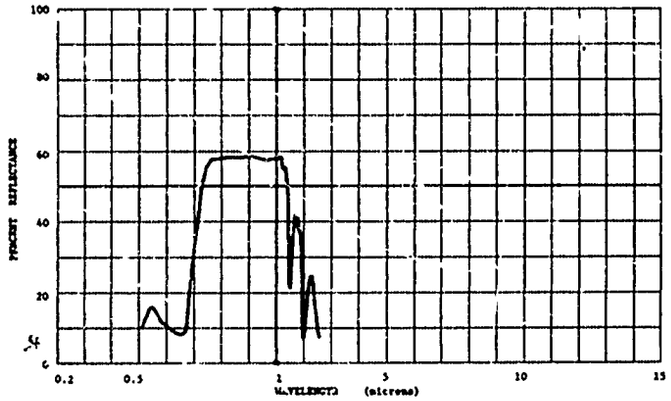
BOC 180

804616-007 COTTON LEAF--66.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CPAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

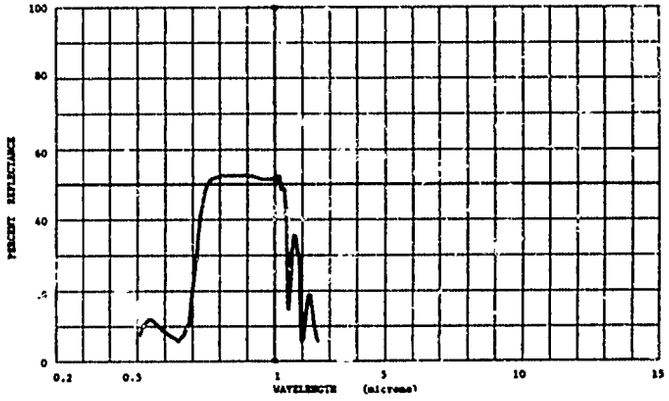


804616-008 COTTON LEAF--74.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CPAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

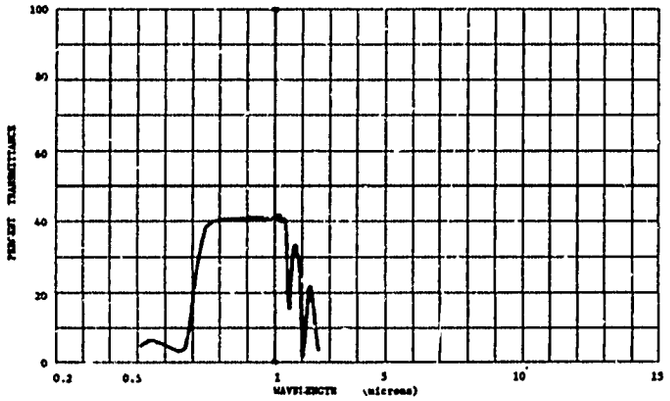


804616-009 COTTON LEAF--74.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

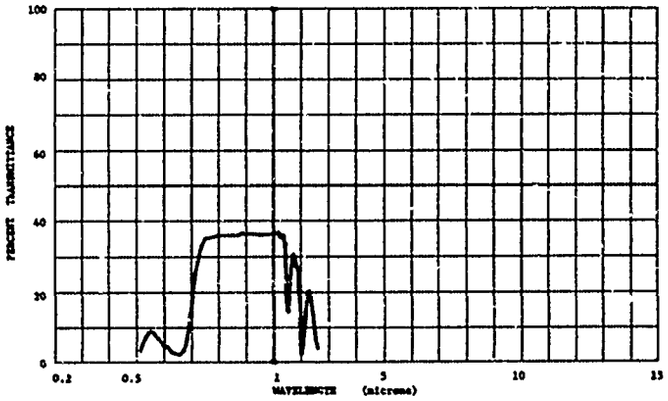


804616-010 COTTON LEAF--66.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR=
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

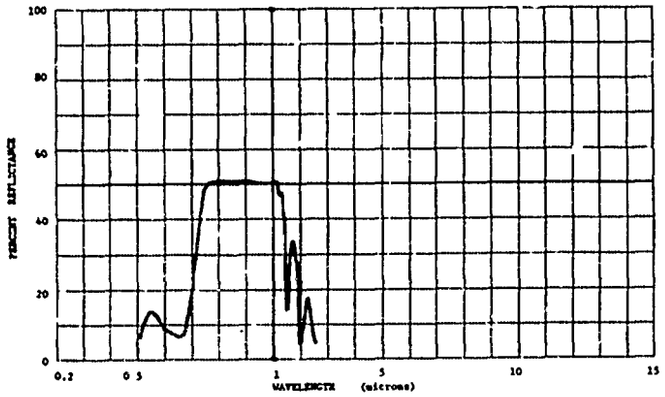


804616-011 COTTON LEAF--82.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB OFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

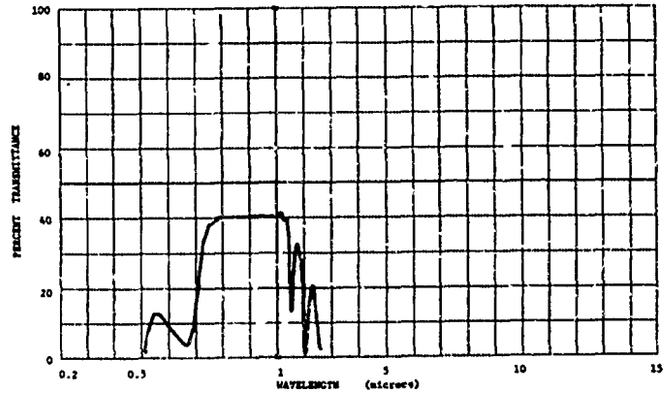


804616-012 COTTON LEAF--82.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

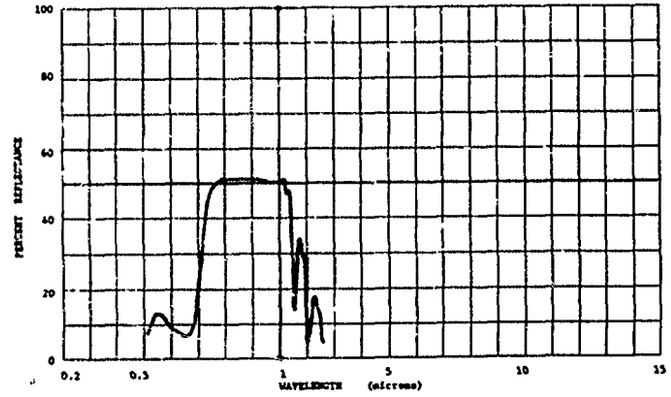


804616-013 COTTON LEAF--80.7 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB OFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

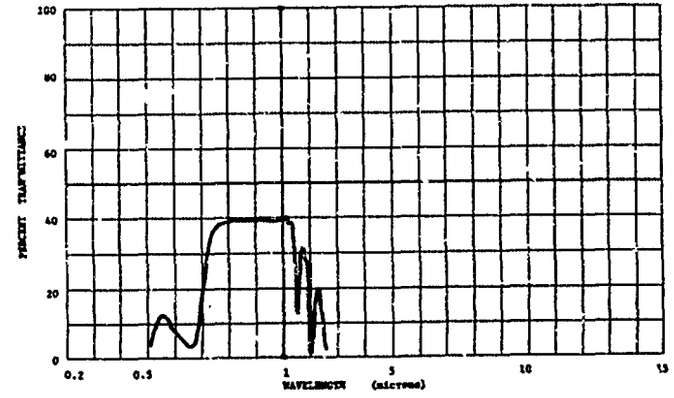


804616-014 COTTON LEAF--80.7 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .3 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

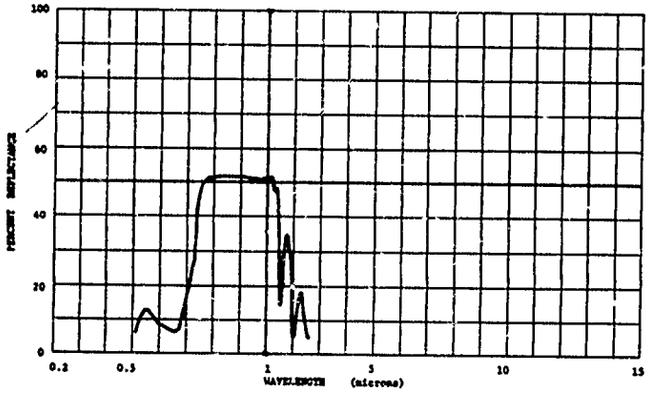


DOC 18

804616-015 COTTON LEAF--78.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB DFCE DK ECB ECCA ECCB

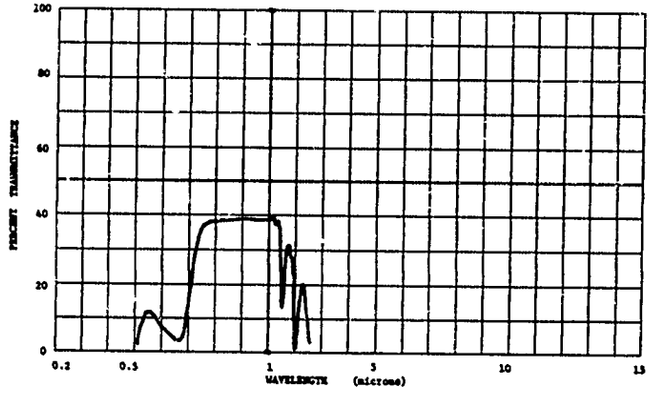
PARAMETER INFORMATION
DATE= 69 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



804616-016 COTTON LEAF--78.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED DIA DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 69 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1



804616-017 COTTON LEAF--79.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 69 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
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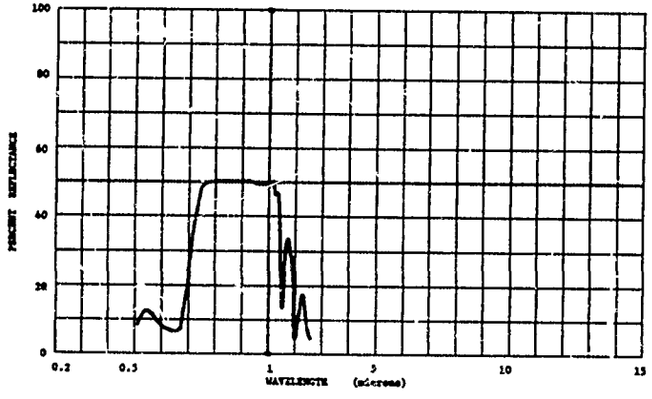
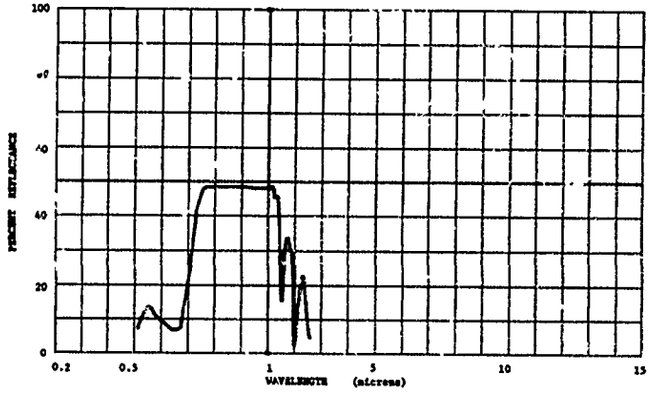


804616-018 COTTON LEAF--67.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 69 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT N AVE= 1

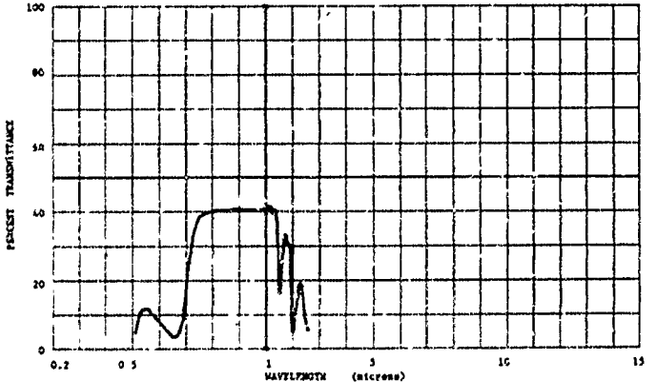


804616-019 COTTON LEAF--67.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

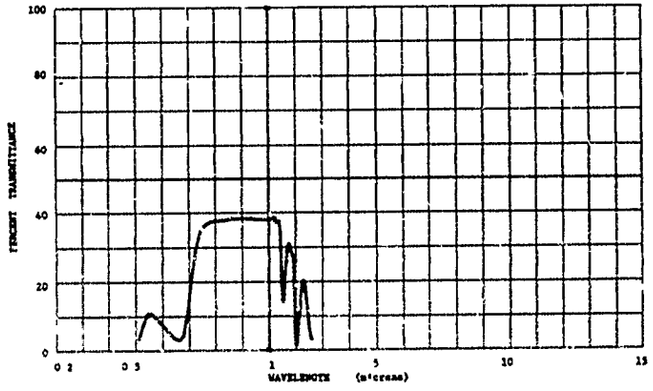


804616-020 COTTON LEAF--75.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

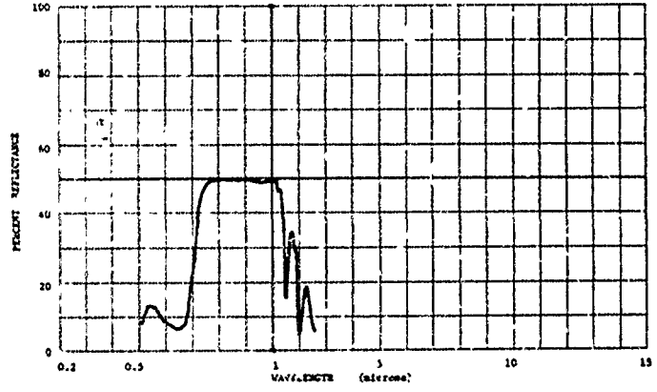


804616-021 COTTON LEAF--80.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAE DFCE DK ECB
ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

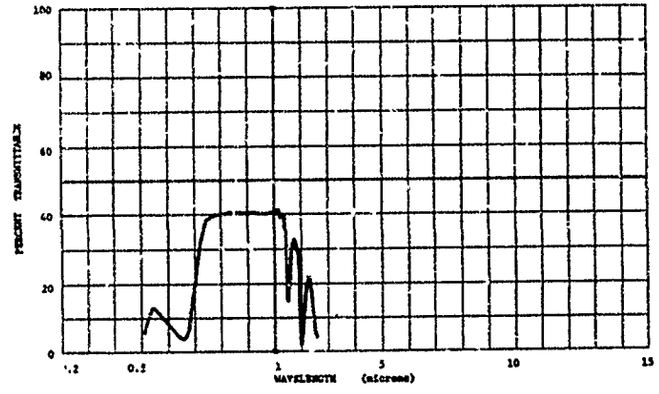


804616-022 COTTON LEAF--80.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA
ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

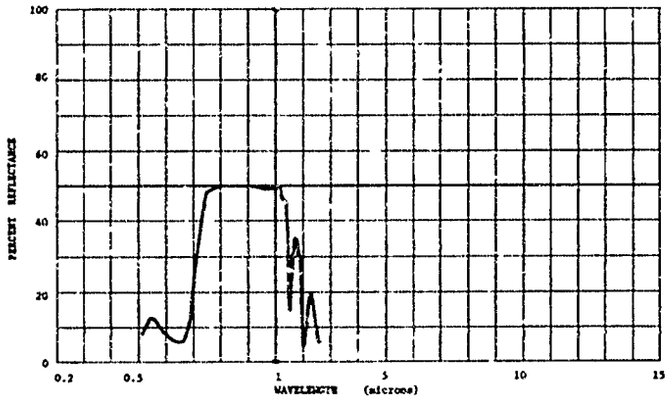


804616-023 COTTON LEAF--76.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

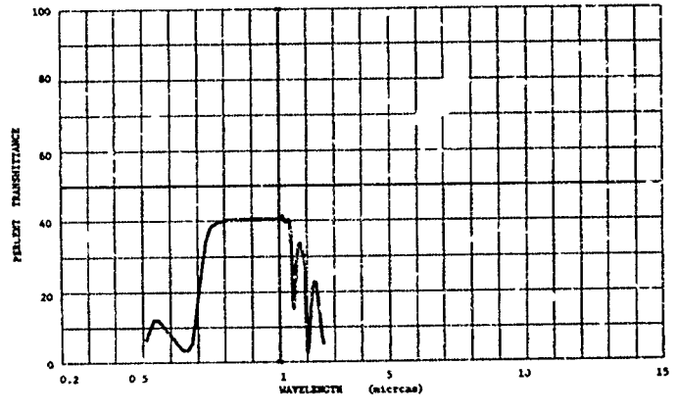


804616-024 COTTON LEAF--76.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

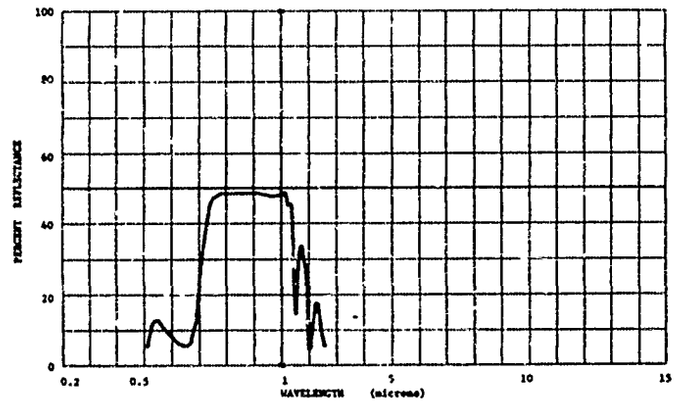


804616-025 COTTON LEAF--62.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB CFCE CK ECB FCCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

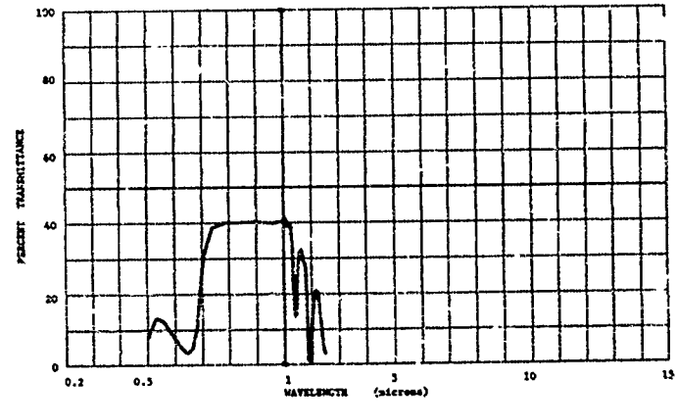


804616-026 COTTON LEAF--62.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CIA CK ECB JCCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1



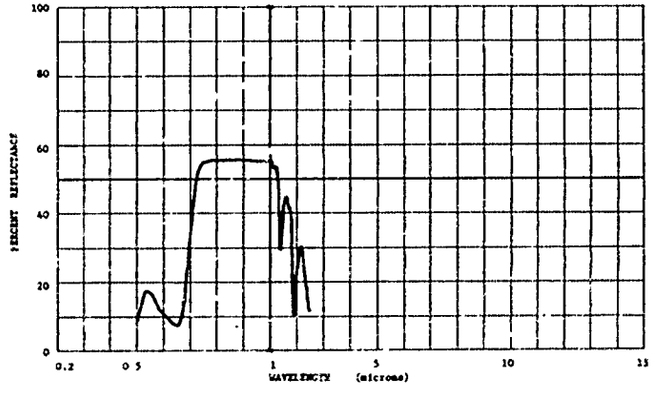
BCC 18

804616-027 COTTON LEAF--56.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAE DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

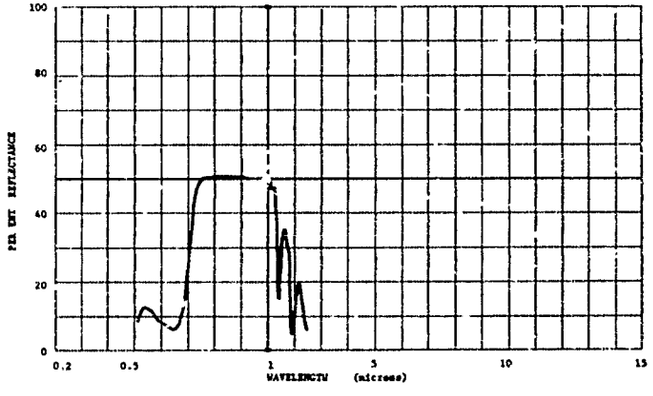


804616-028 COTTON LEAF--73.1 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAE DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

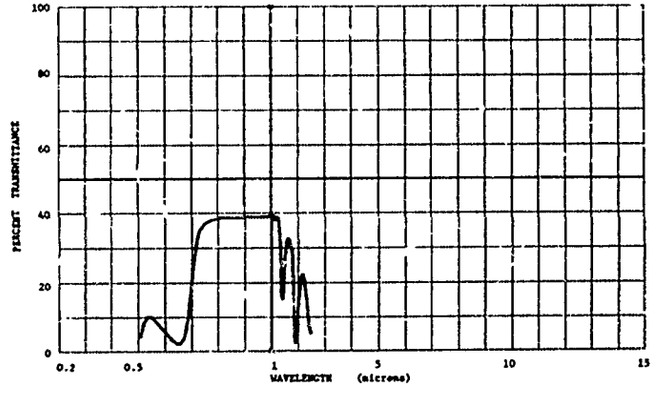


804616-029 COTTON LEAF--79.1 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

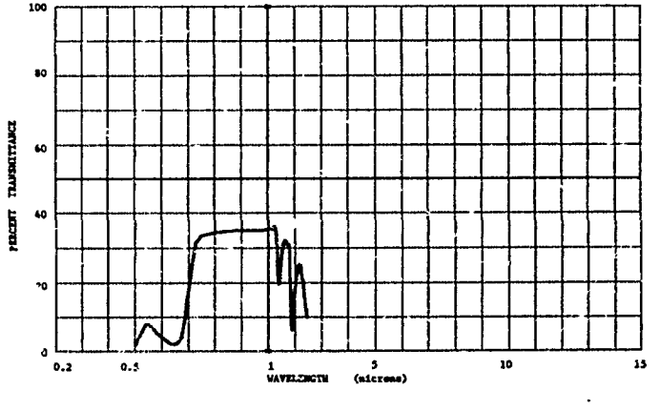


804616-030 COTTON LEAF--56.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1



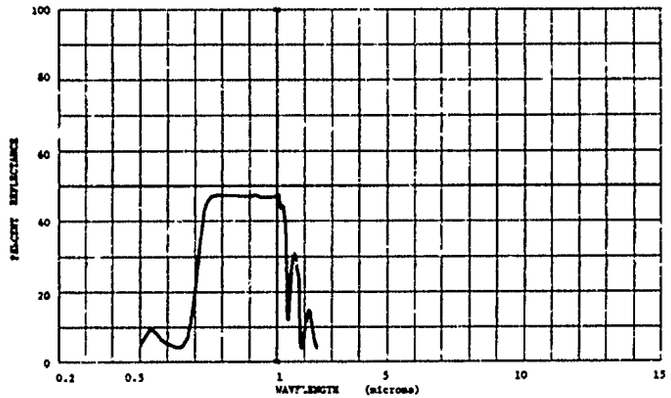
BGC 186

B04616-031 COTTON LEAF--82.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

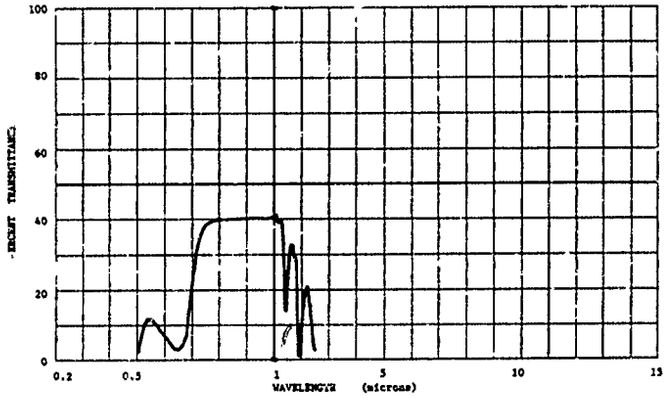


B04616-032 COTTON LEAF--82.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

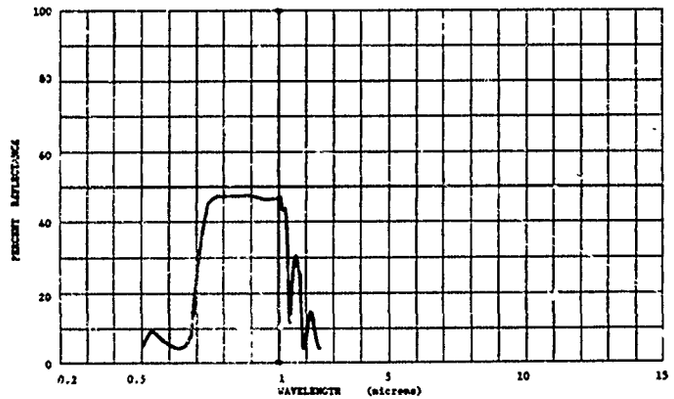


B04616-033 COTTON LEAF--80.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

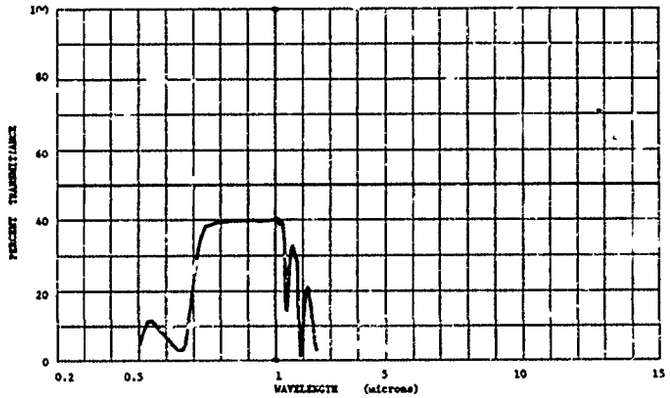


B04616-034 COTTON LEAF--80.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1



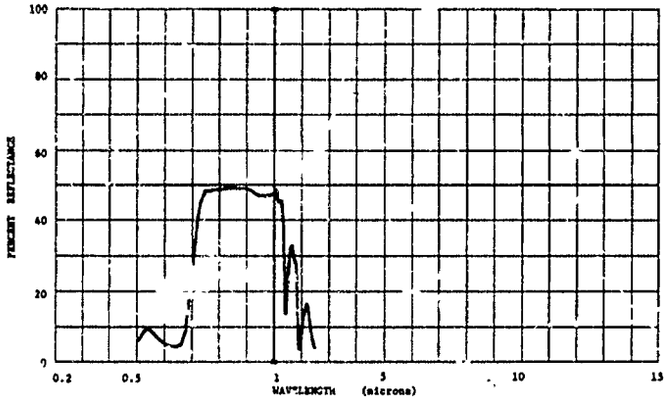
BDC 101

804616-035 COTTON LEAF--76.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

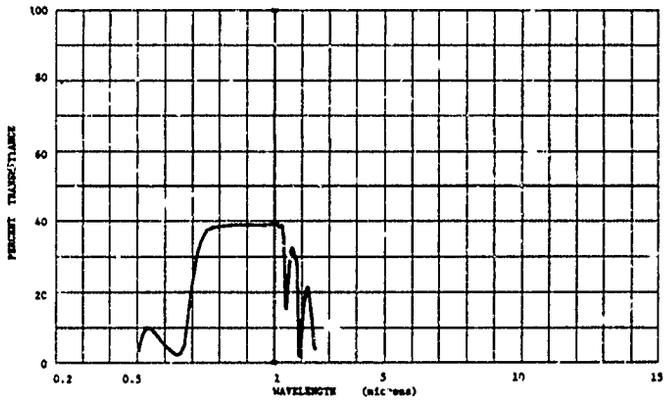


804616-036 COTTON LEAF--76.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFA CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= -0 -0 65 TIME= -0 LAT= -.0 LONG= -.0 ALT= -.00E+00 RANGE= -.00E+00
DAYS RE= 1 IN= .0 IAZ= -.0 CN= -.0 CAZ= -.0 IRR= E
CBST= TTEMP= -.0 WIND SP= -0 WIND DI= CLD= VIS= -0

TEMP= -0 DEW PT=-0 N AVE= 1

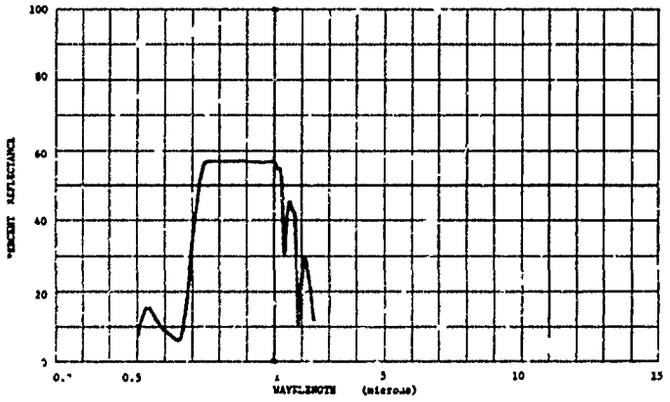


804616-037 COTTON LEAF--49.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

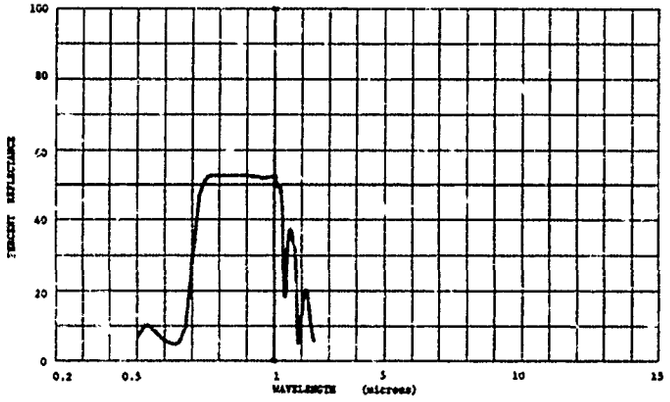


804616-038 COTTON LEAF--71.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1



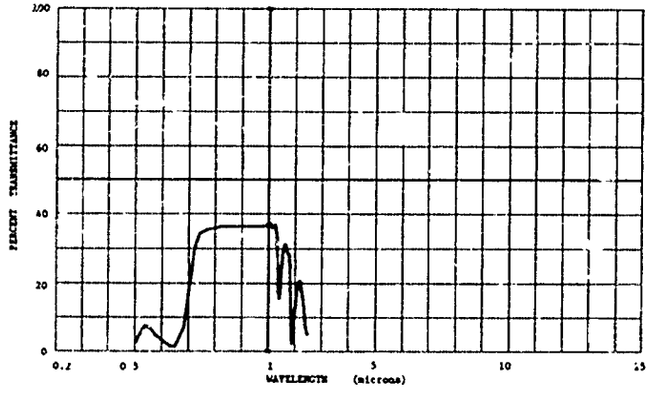
BCC 188

804616-039 COTTON LEAF--71.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS PC= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

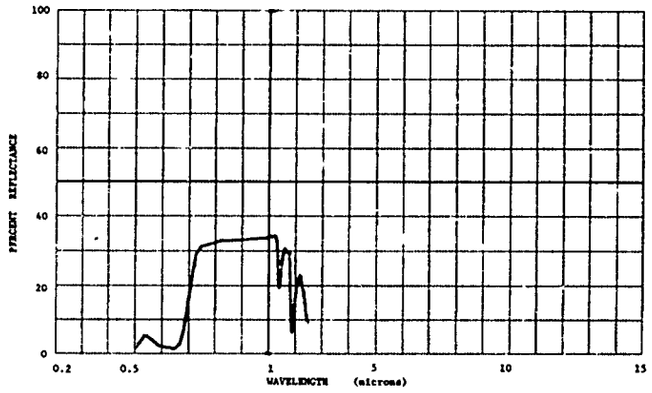


804616-040 COTTON LEAF--49.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

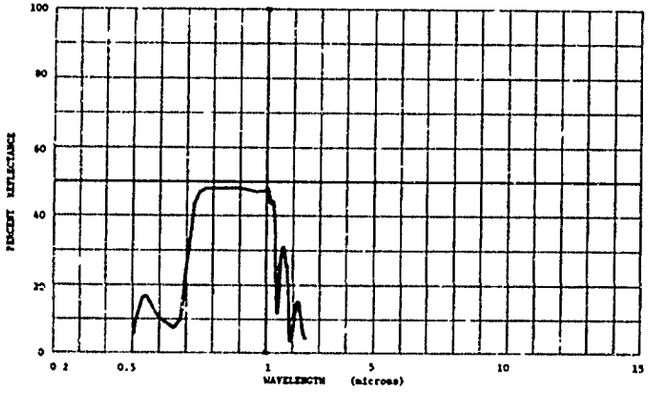


804616-041 COTTON LEAF--84.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

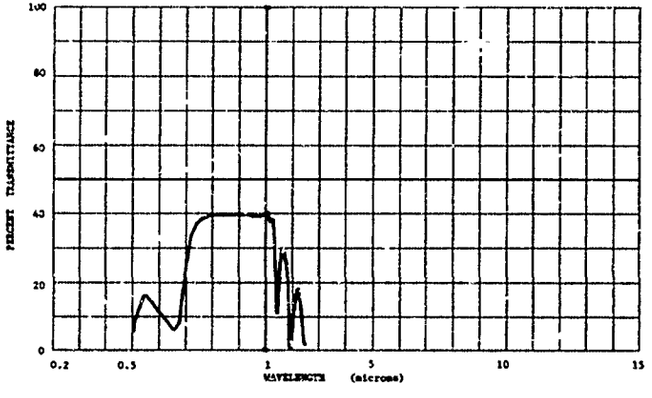


804616-042 COTTON LEAF--84.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR=
OBST= TTEMP= SINC SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



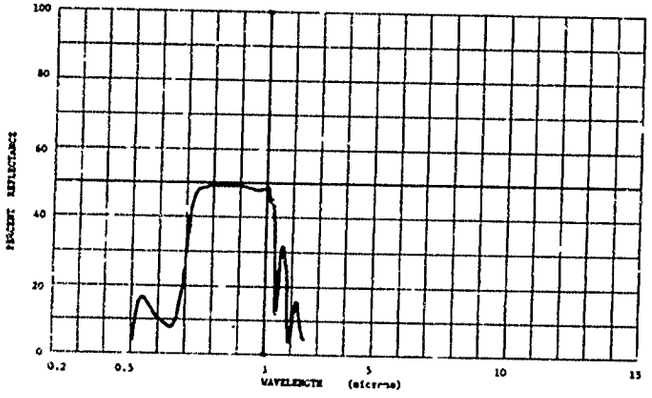
BGC 169

B04616-043 COTTON LEAF--83.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

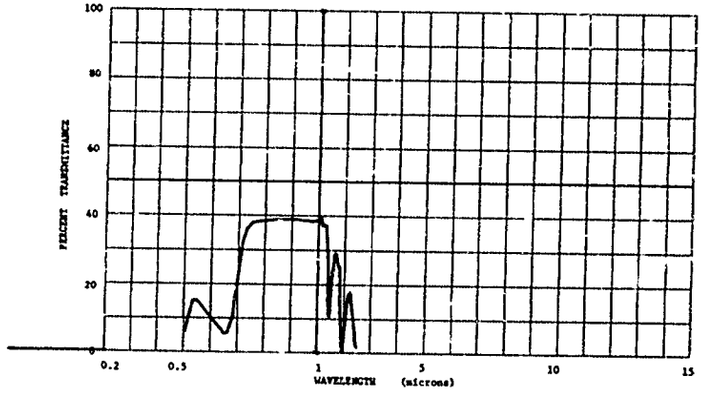


B04616-044 COTTON LEAF--83.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

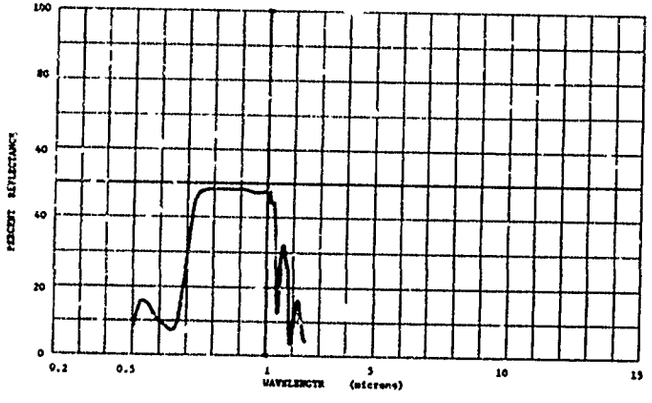


B04616-045 COTTON LEAF--81.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

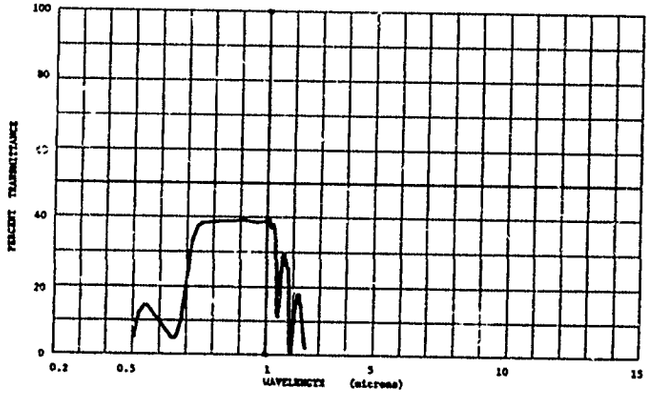


B05616-046 COTTON LEAF--81.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1



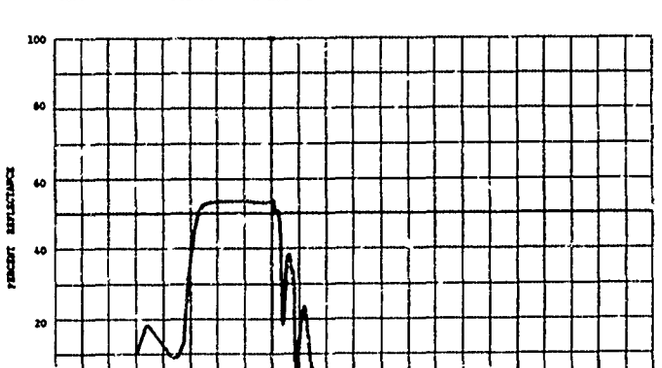
BOC 170

804616-047 COTTON LEAF--68.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= SLT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

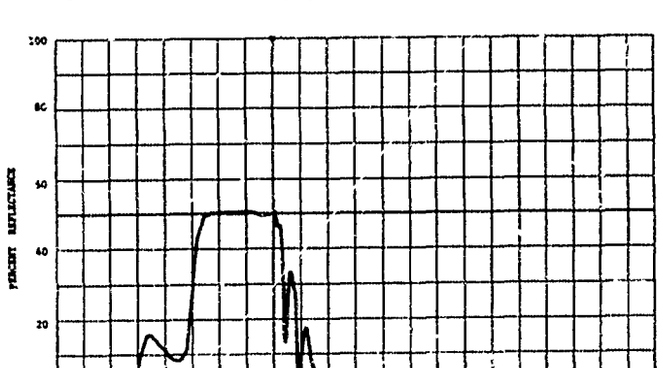


804616-048 COTTON LEAF--78.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

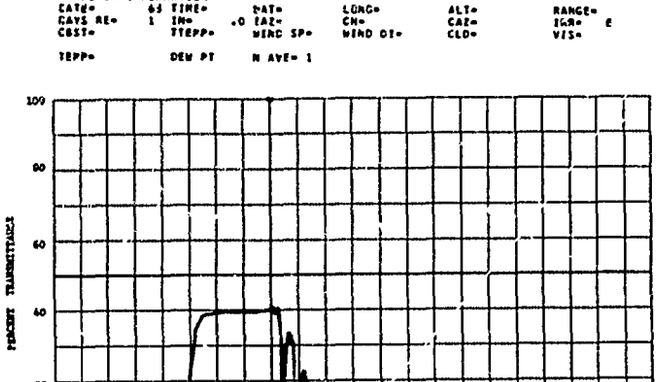


804616-049 COTTON LEAF--78.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= MAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

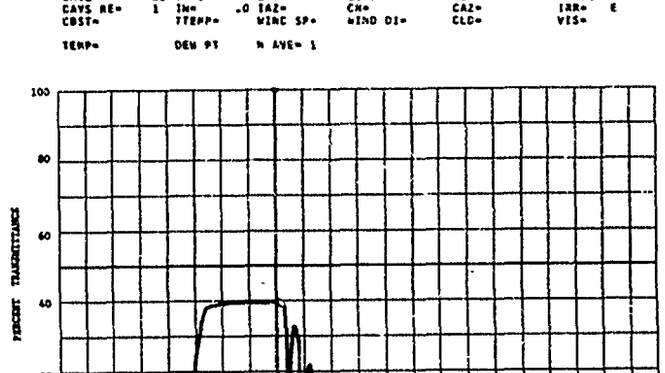


804616-050 COTTON LEAF--68.4 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



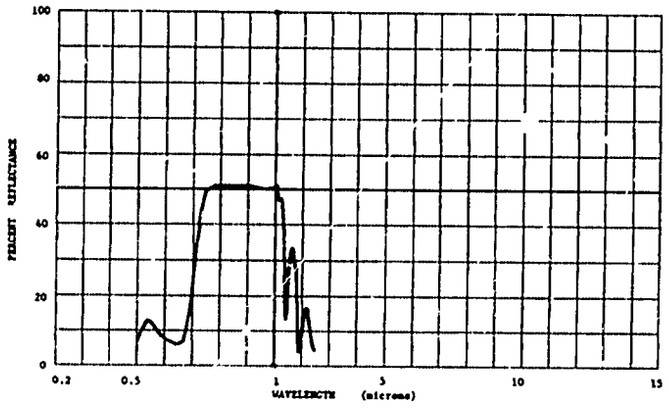
BGC 191

B04616-051 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

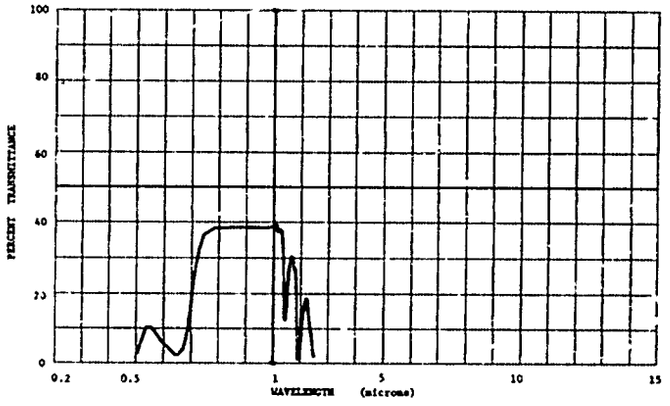


B04616-052 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

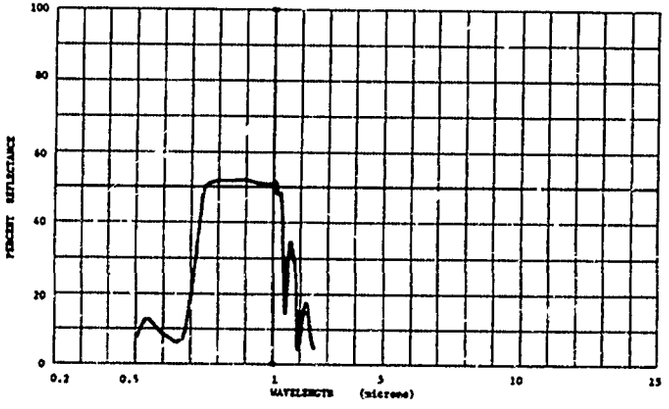


B04616-053 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCFA BGFB CDA CED CFAB CFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

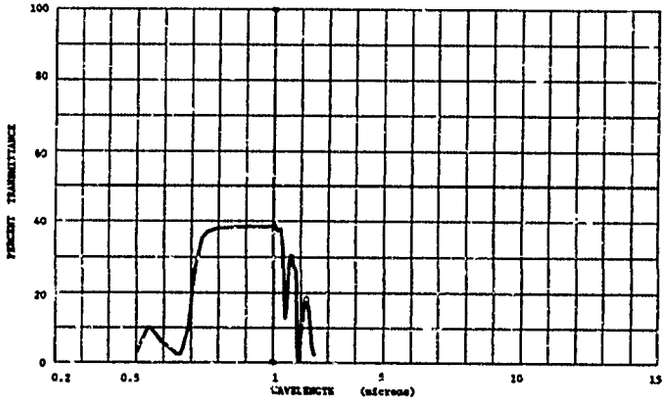


B04616-054 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CED CIA DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1



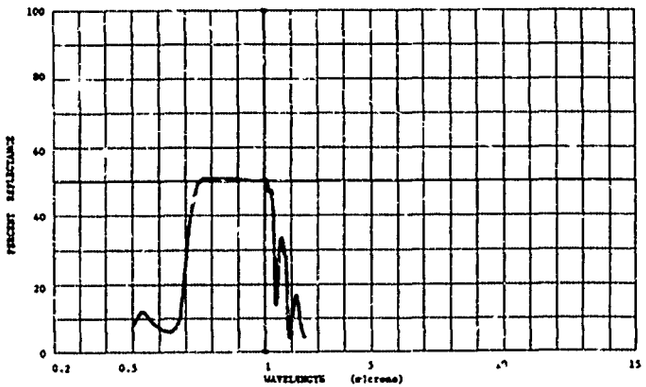
BOC 173

B04616-055 COTTON LEAF--73.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCPB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

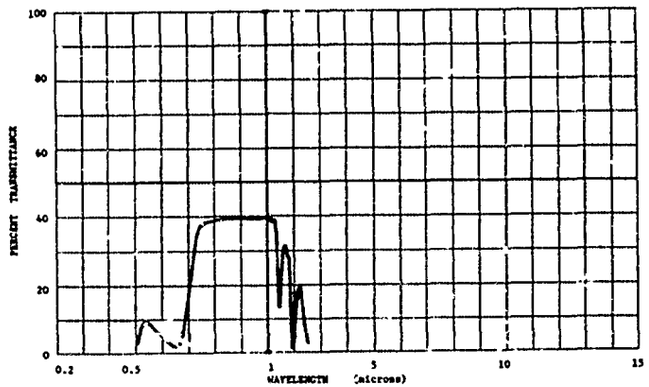


B04616-056 COTTON LEAF--73.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCPB CDA CED CFAB DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

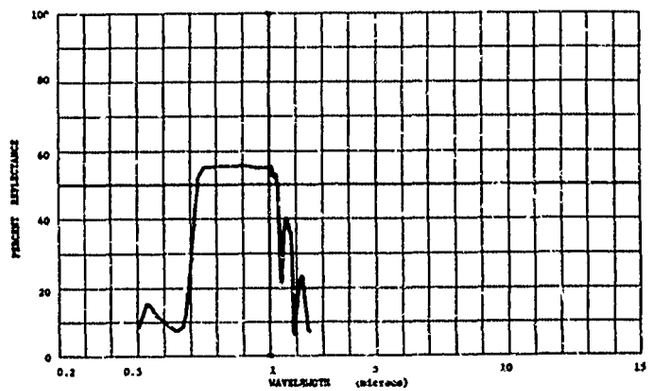


B04616-057 COTTON LEAF--58.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCPB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

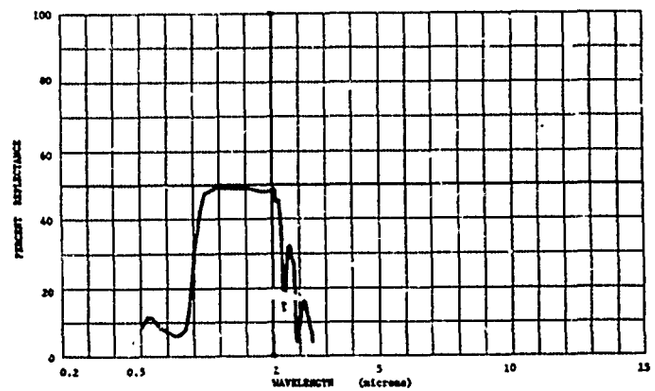


B04616-058 COTTON LEAF--69.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCPB CDA CED CFAB DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

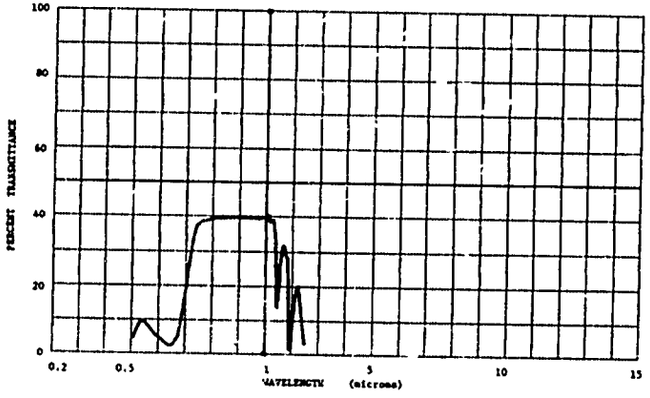


BGC 173

804616-059 COTTON LEAF--69.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA CK ECB ECCA ECCB

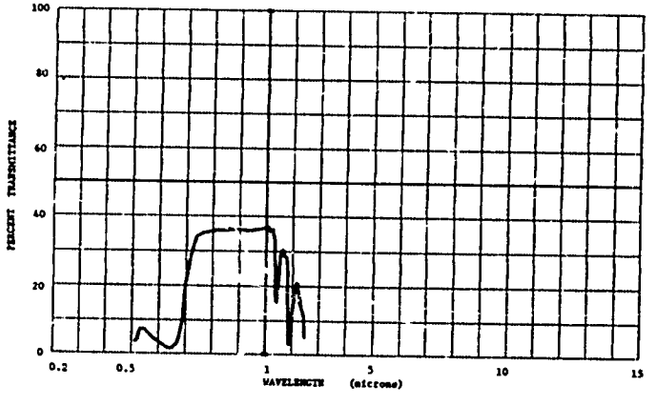
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



804616-060 COTTON LEAF--98.5 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA CK ECB ECCA ECCB

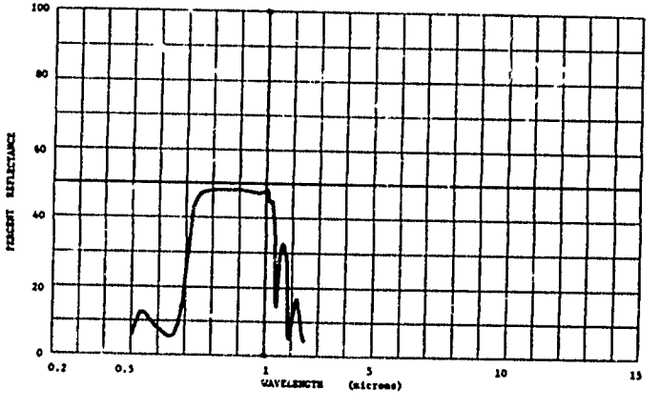
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



804616-061 COTTON LEAF--82.7 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB CFCE CK ECB ECCA ECCB

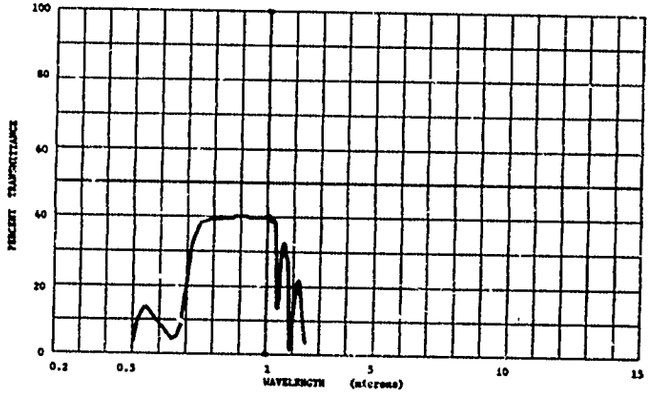
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



804616-062 COTTON LEAF--82.7 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 0 IAZ= CN= CAZ= IRR= E
CBST= TTEI WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PI N AVE= 1



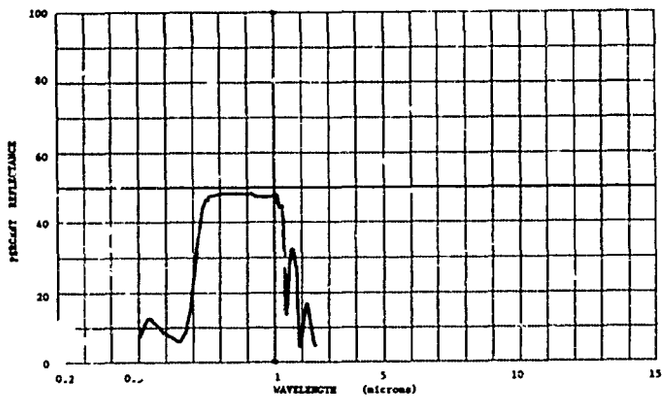
BOC 116

804616-063 COTTON LEAF--81.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

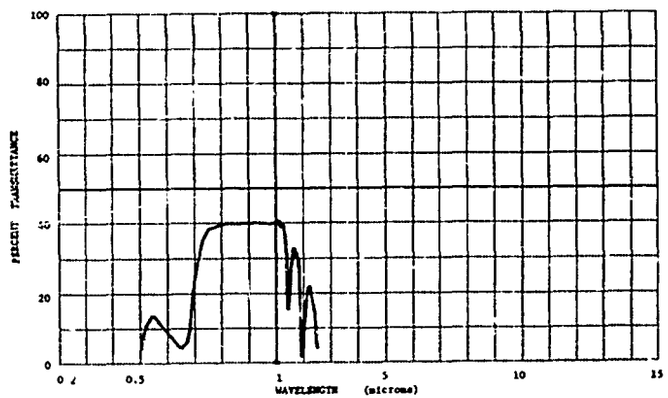


804616-064 COTTON LEAF--81.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

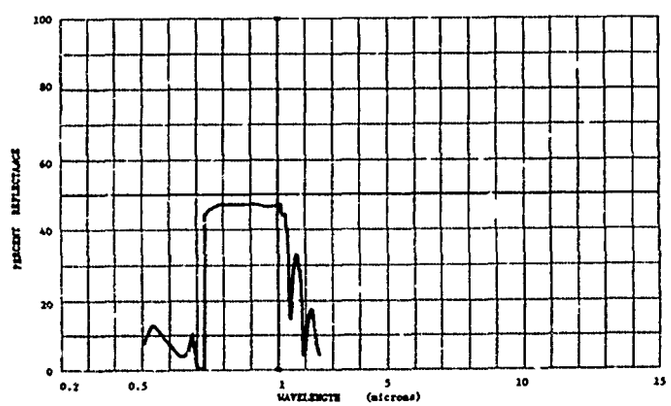


804616-065 COTTON LEAF--78.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1

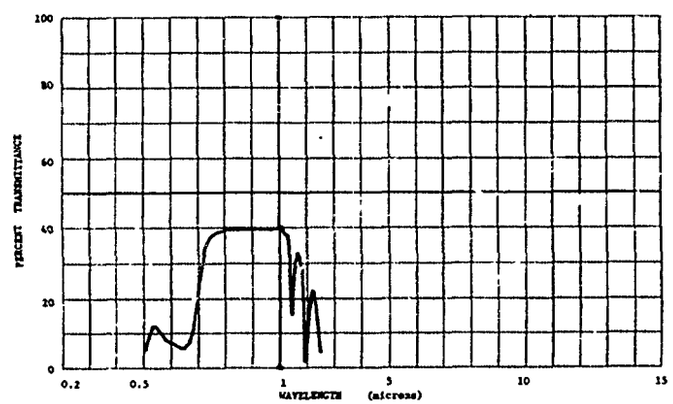


804616-066 COTTON LEAF--78.6 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BCFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT= N AVE= 1



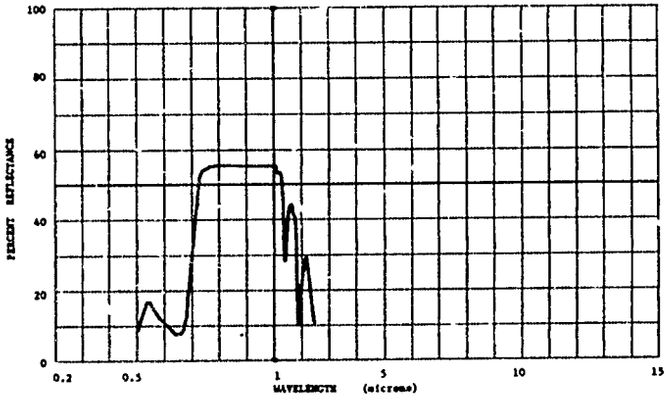
BCC 195

804616-067 COTTON LEAF--62.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB DFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

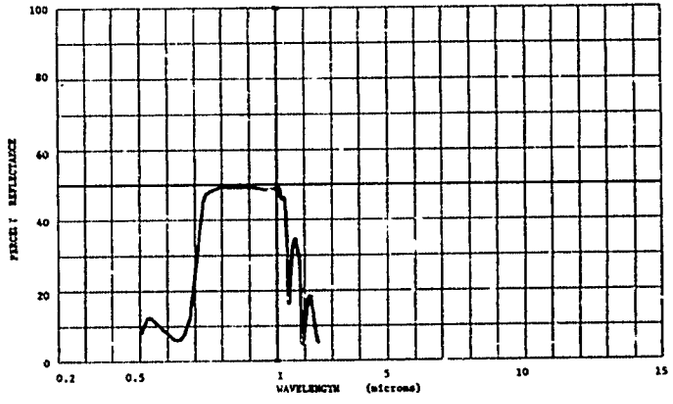


804616-068 COTTON LEAF--75.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CFAB DFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

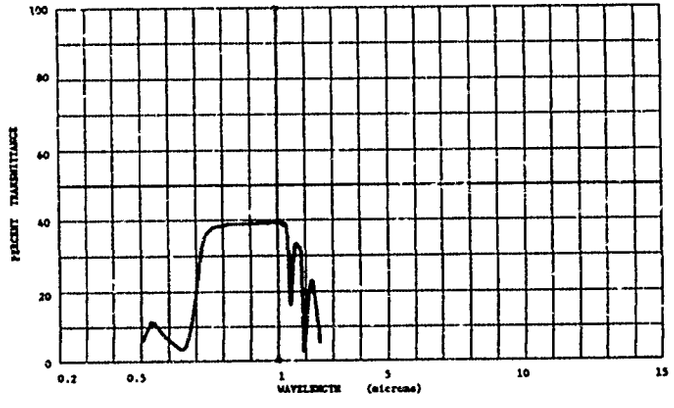


804616-069 COTTON LEAF--75.3 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

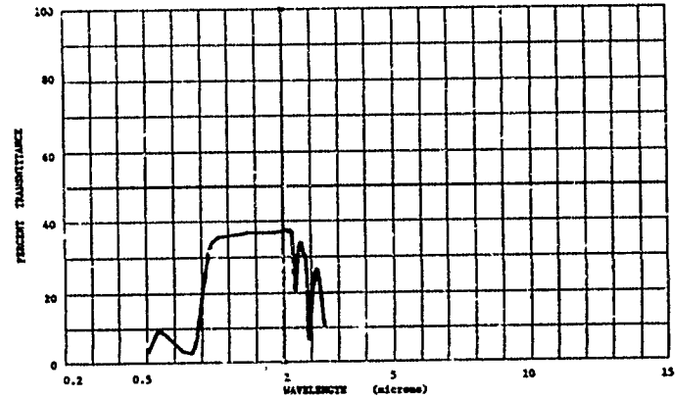


804616-070 COTTON LEAF--62.0 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



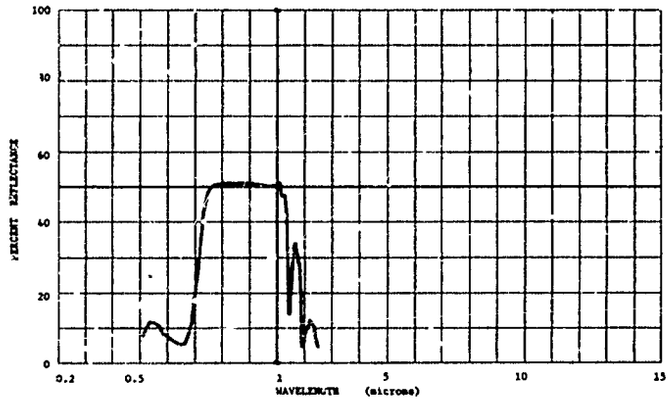
BOC 178

804616-071 COTTON LEAF--80.6 PERCENT WATER IN LEAF.

SUBJECT CODES
8GCCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

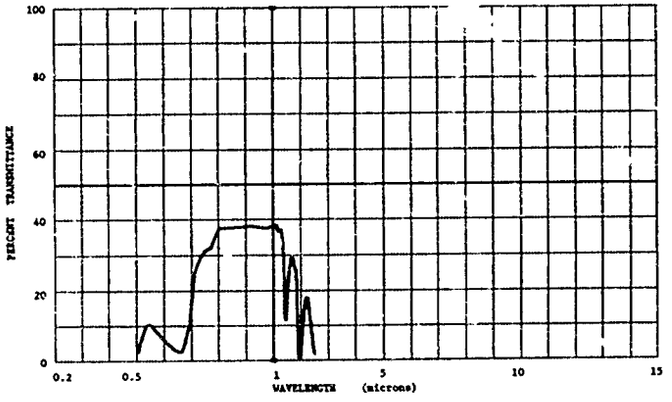


804616-072 COTTON LEAF--80.6 PERCENT WATER IN LEAF.

SUBJECT CODES
8GCCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

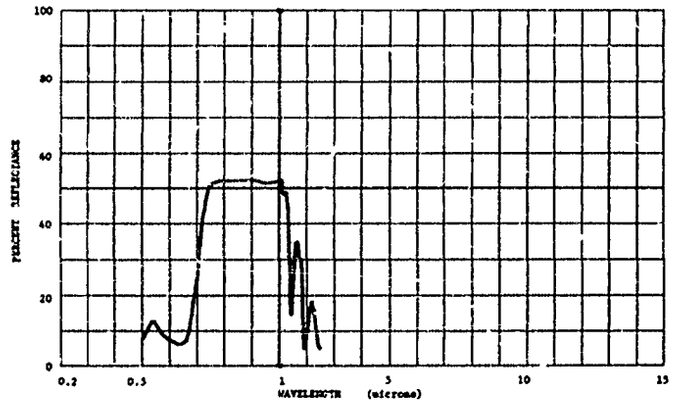


804516-073 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
8GCCCA BGFB CDA CED CFAB CFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

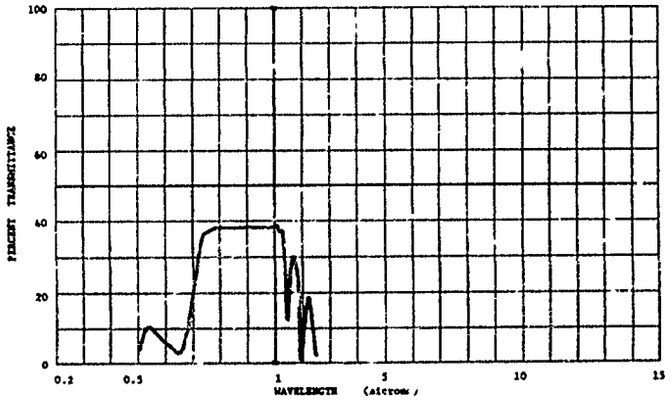


804616-074 COTTON LEAF--78.9 PERCENT WATER IN LEAF.

SUBJECT CODES
8GCCCA BGFB CDA CED CIA CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1



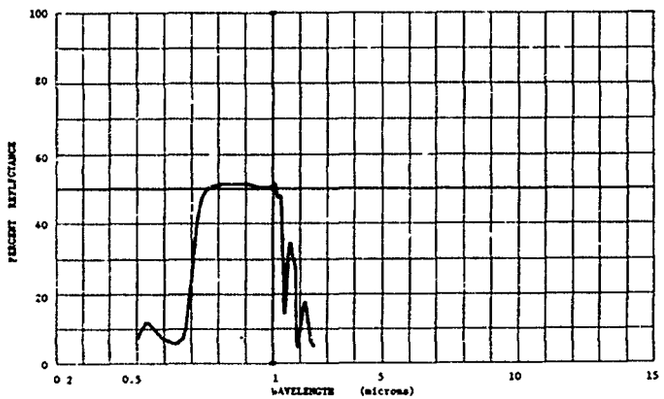
BOC 117

804616-075 COTTCN LEAF--76.2 PEPCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB
ECCA ECCB

PARAMETER INFORMATICN
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

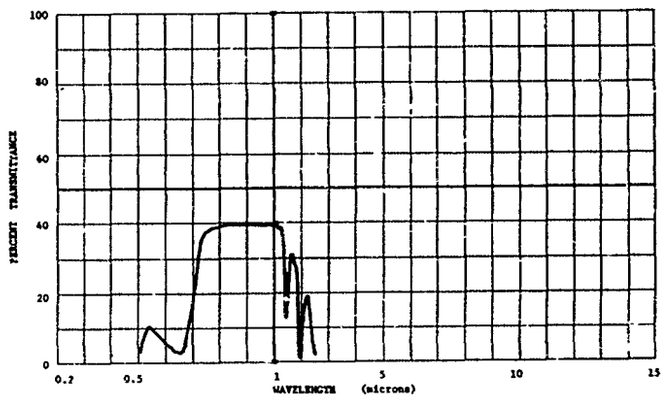


804616-076 COTTON LEAF--76.2 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DIA DK ECB ECCA
ECCB

PARAMETER INFORMATICN
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

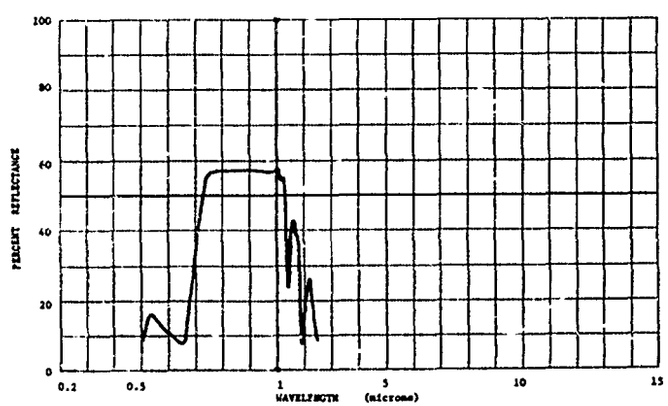


804616-077 CCTTCN LEAF--6C.7 PERCENT WATER IN LEAF.

SUBJECT CODES
CGCCA BGFB CDA CEC CFAB DFCE DK ECB
ECCA ECCB

PARAMETER INFORMATICN
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

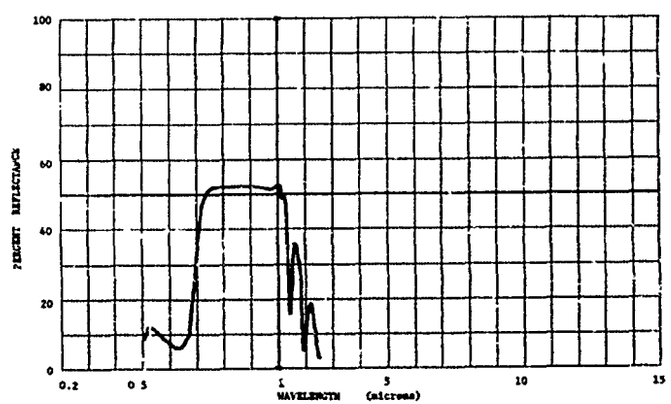


804616-078 COTTCN LEAF--72.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BGCCA BGFB CDA CED DFAB DFCE DK ECB
ECCA ECCB

PARAMETER INFORMATICN
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=

TEPP= DEW PT N AVE= 1

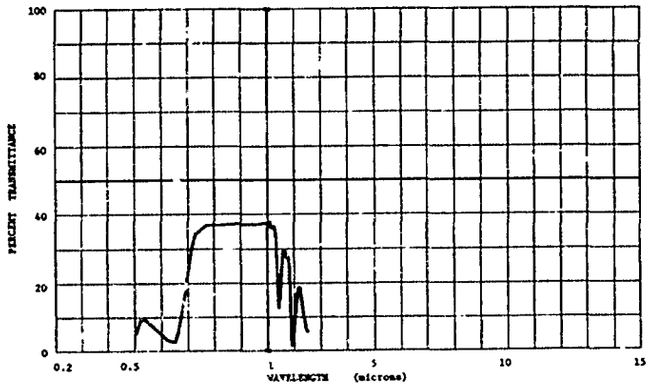


BGC 170

804616-079 COTTON LEAF--72.8 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGFB CDA CEC DIA DK ECB ECCA ECCB

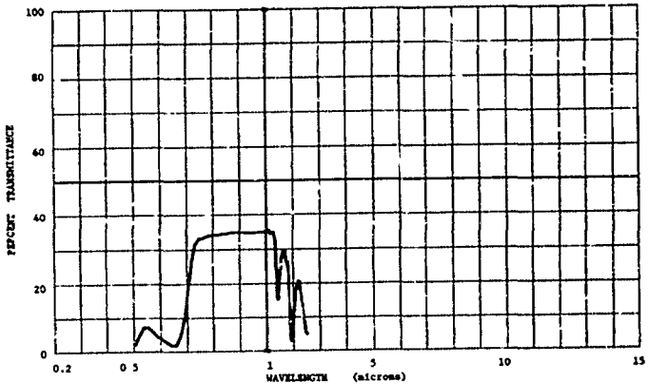
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804616-080 COTTON LEAF--66.7 PERCENT WATER IN LEAF.

SUBJECT CODES
BCCCA BGF3 CDA CEC DIA DK ECB ECCA ECCB

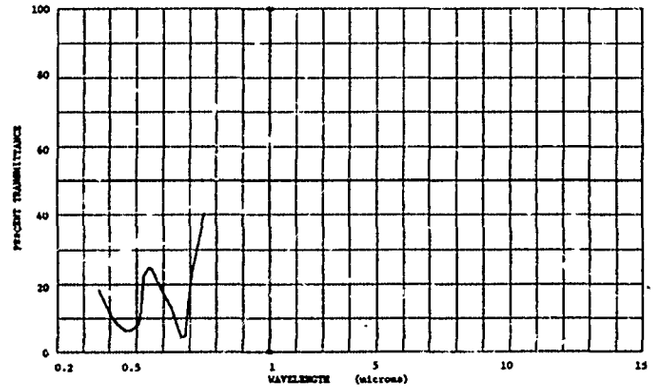
PARAMETER INFORMATION
DATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= .0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801948-001 POTATO, LEAF.

SUBJECT CODES
BCCCA BGF CC CEC CFCF DIA CK ECAD ECB ECCA

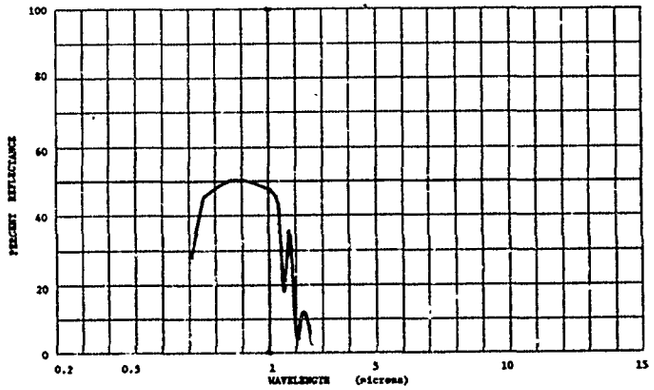
PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801948-013 POTATO, UPPER LEAF SURFACE.

SUBJECT CODES
BCCCA BGFBC CC CEC CFCF DFC CK ECCA ECCB

PARAMETER INFORMATION
DATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= 10.0 CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

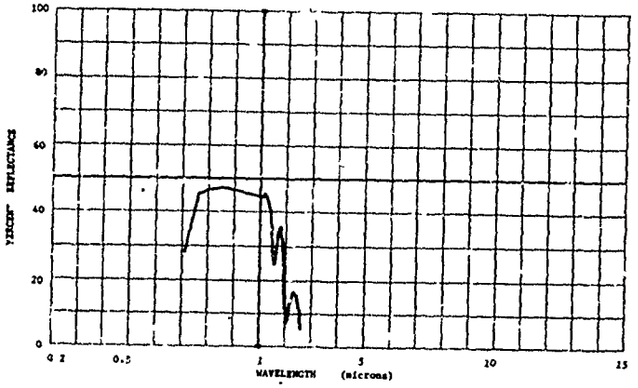


BOC 119

801948-014 POTATO, LOWER LEAF SURFACE.

SUBJECT CODES
EGCCA ECFBC CC CEC EFCF DFD EK ECCA ECCB

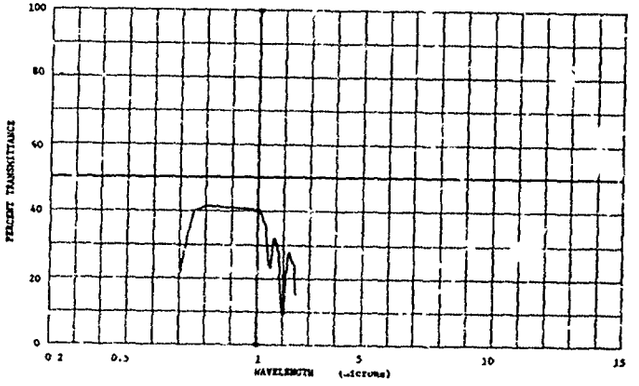
PARAMETER INFORMATION
CATE= AI TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .C LAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



801948-015 POTATO, LEAF.

SUBJECT CODES
PCCCA ECF CC CEC EFCF DIA CK ECCA ECCB

PARAMETER INFORMATION
CATE= AI TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .C LAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1

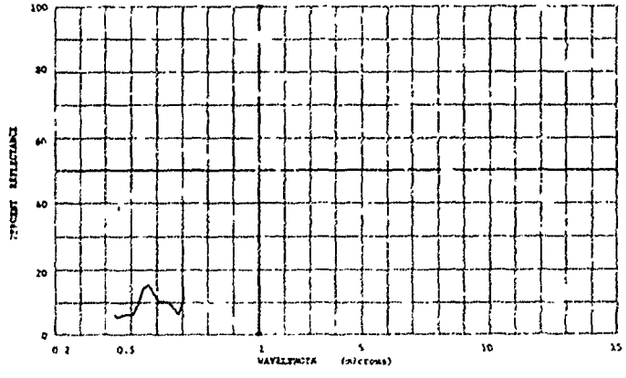


BGC 180

B01761-D19 GINKGO BILOBA, UPPER LEAF SURFACE.

SUBJECT CODES
PGC PGFBC CC CEC EFA DFCC EK ECB

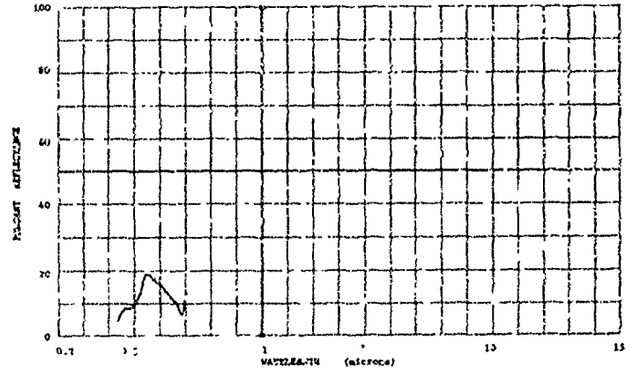
PARAMETER INFORMATION
CATE= 29 TIPE= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= ERR= E
CBST= ITEPP= NINC SP= NINO DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



B01761-D14 GINKGO BILOBA, LOLET LEAF SURFACE.

SUBJECT CODES
PGC PGFBC CC CEC EFA DFCC EK ECB

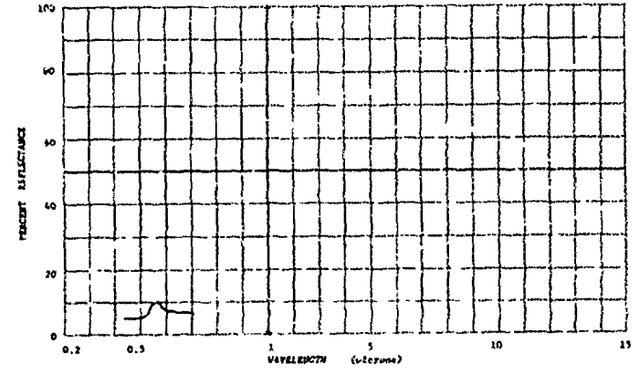
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= ERR=
CBST= ITEPP= NINC SP= NINO DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



B01761-D17 BUCKEYE, AESCULUS HIPPOCASTANUM, UPPER LEAF SURFACE.

SUBJECT CODES
PGC PGFBC CC CEC EFA DFCC EK ECB

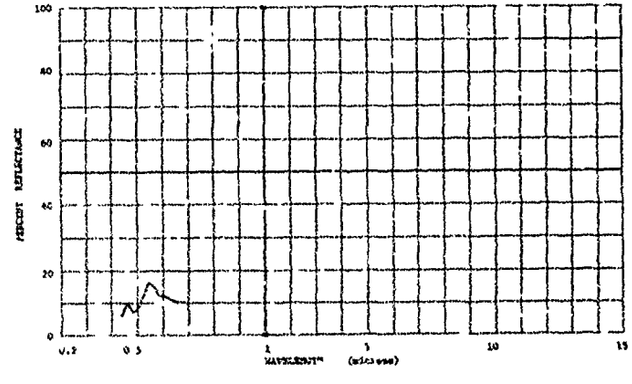
PARAMETER INFORMATION
CATE= 29 TIPE= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= ERR= E
CBST= ITEPP= NINC SP= NINO DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



B01761-D58 GREEN GERANIUM, UPPER LEAF SURFACE.

SUBJECT CODES
PGC PGFBC CC CEC EFA DFCC EK ECB

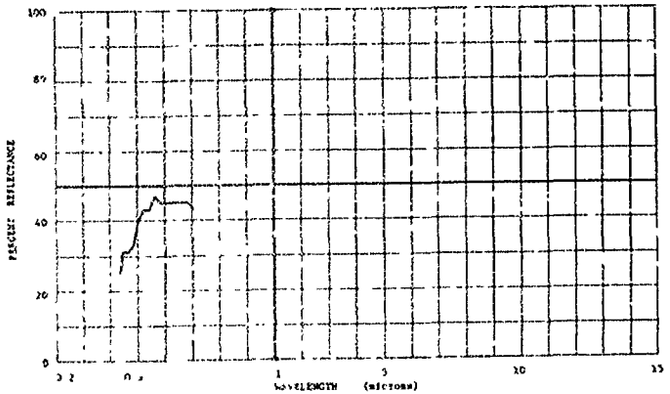
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= ERR= E
CBST= ITEPP= NINC SP= NINO DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



801761-059 ALBINO GERANIUM, UPPER LEAF SURFACE.

SUBJECT CODES
OSL OGFBC CO CCC CFA OFCC CK ECB

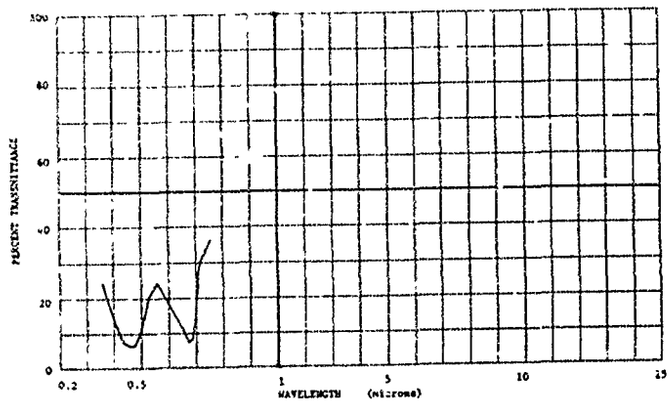
PARAMETER INFORMATION
CATE= 26 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801940-CUT COLEUS, GREEN LEAF.

SUBJECT CODES
CCL CCF ECEPB CL CEC OFCF CIA CK ECAD ECH
ECCA

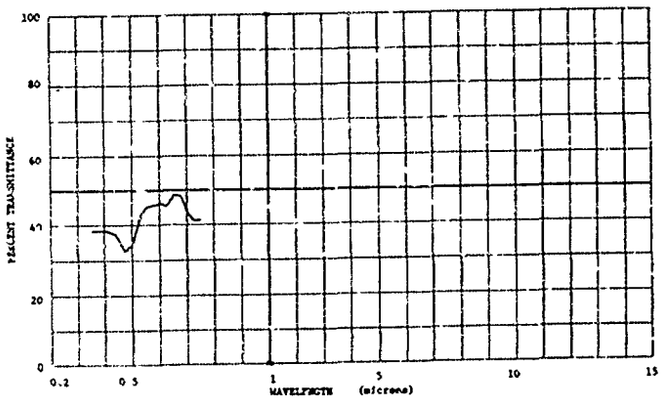
PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801948-006 COLEUS, WHITE LEAF.

SUBJECT CODES
CGT EGP ECEBJ CO CEC OFCF CIA CK ECAD ECB
ECCA

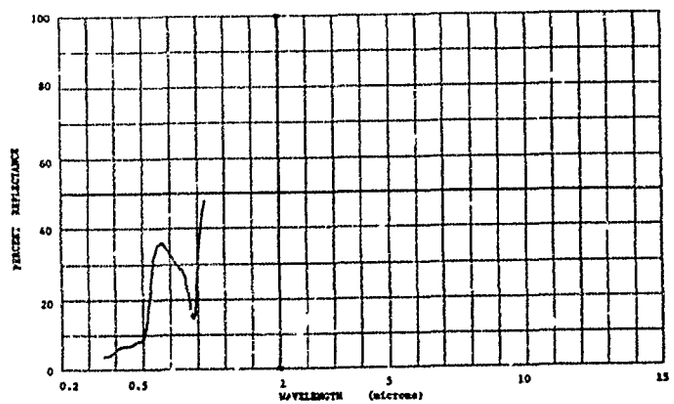
PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-024 ALBINO COLEUS PLANT, TERMINAL LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
OGC OGFBC CO CEC EFAA OFCF CK ECAD ECB ECCA

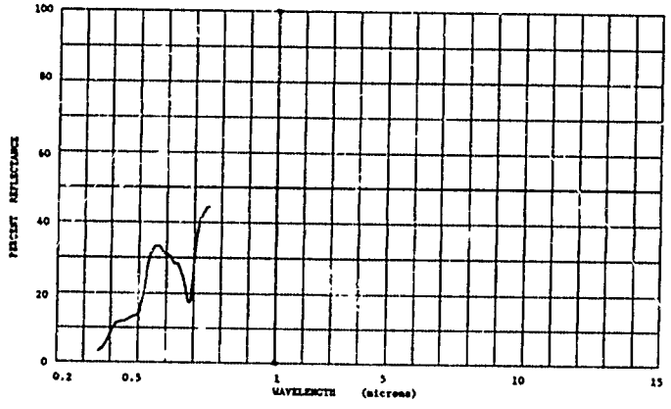
PARAMETER INFORMATION
CATE= 1 & 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-022 ALBINO COLEUS PLANT, TERMINAL LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

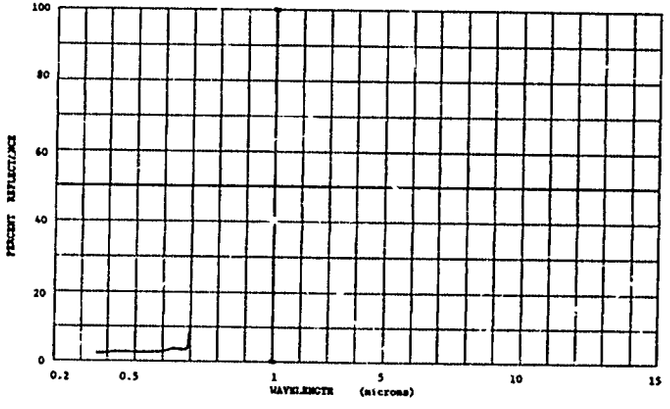
PARAMETER INFORMATION
CATE= 1 (66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-023 DARK RED COLEUS PLANT, TERMINAL LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

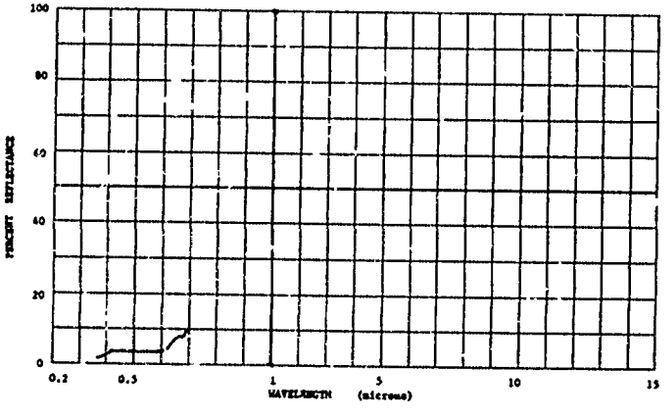
PARAMETER INFORMATION
CATE= 1 (66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-024 DARK RED COLEUS PLANT, TERMINAL LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

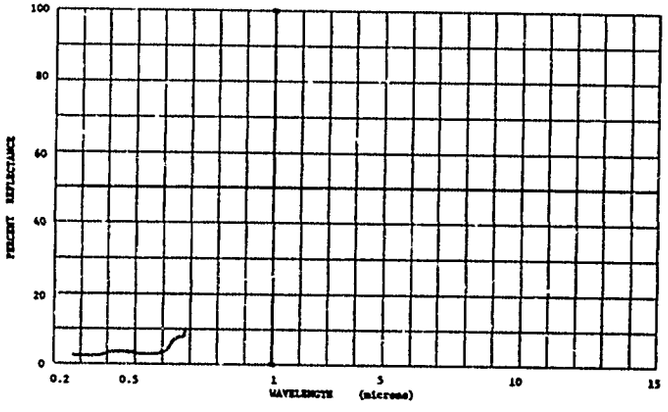
PARAMETER INFORMATION
CATE= 1 (66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WINC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-025 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

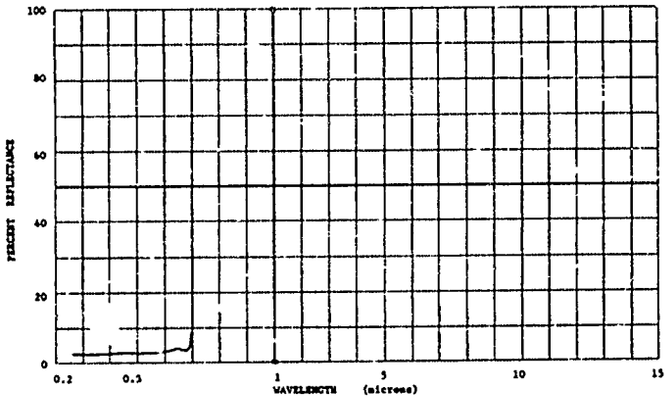
PARAMETER INFORMATION
CATE= 1 (66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-026 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA OFCE CK ECAL ECAD ECB
ECCA

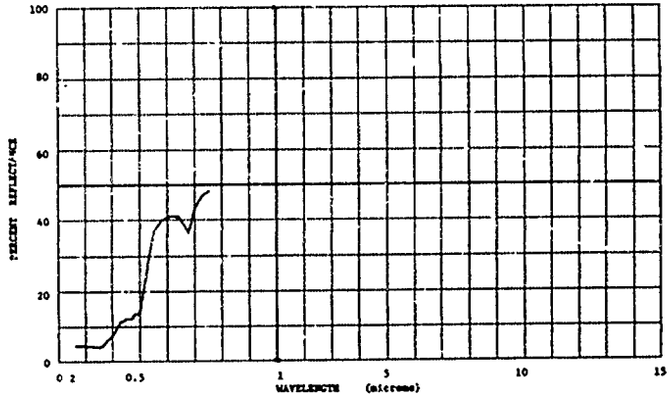
PARAMETER INFORMATION
CATE= 31 5 66 TIME= 1500 LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



820000-027 ALBINO COLEUS PLANT, UPPER LEAF SURFACE, 5 HOURS AFTER PICKING.

SUBJECT CODES
EGC BGFBC CDA CEC CFAA OFCE CK ECAC ECAD ECB
ECCA

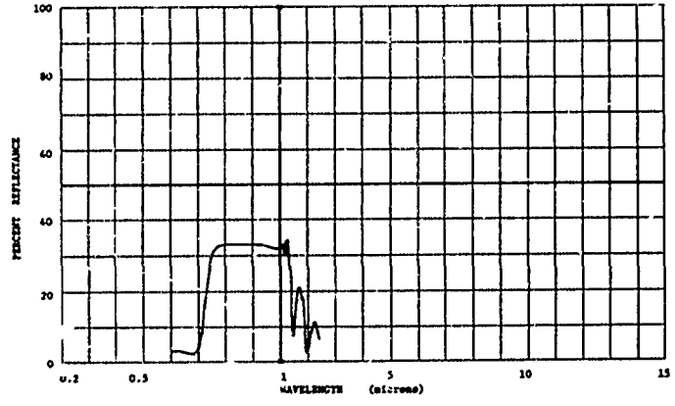
PARAMETER INFORMATION
CATE= 3 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



820000-050 GERANIUM, TERMINAL LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA OFCE CK ECB ECCA ECCB

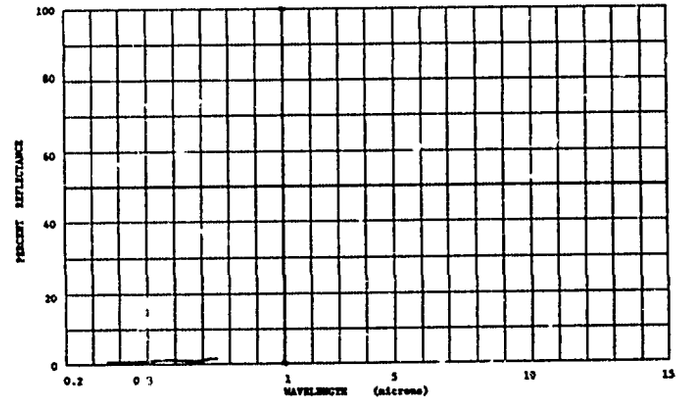
PARAMETER INFORMATION
CATE= 3 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLC= VIS=
TEPP= DEW PT= N AVE= 1



820000-051 ALBINO COLEUS PLANT, TERMINAL LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA OFCE CK ECAC ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 8 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

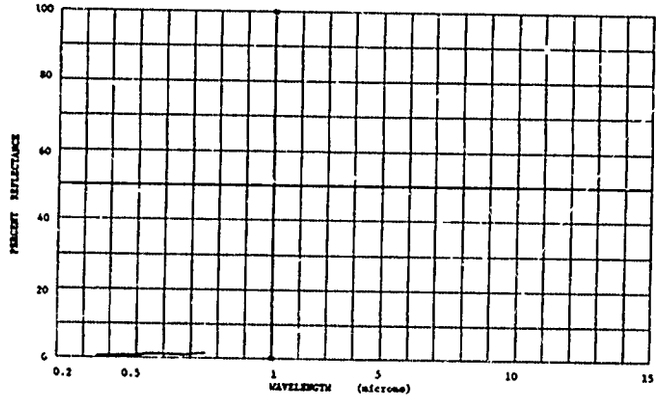


BFGD 806

820000-052 ALBINO COLEUS PLANT, TERMINAL LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGC BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

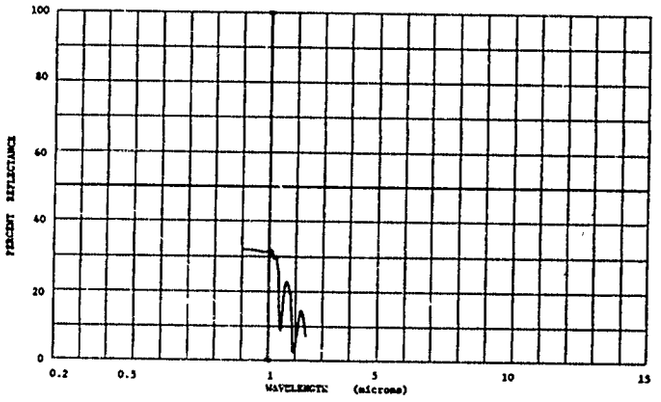
PARAMETER INFORMATION
CATE= 0 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-053 ALBINO COLEUS PLANT, TERMINAL LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGC BGFBC CCA CED CFAA DFCE CK ECCA ECCB

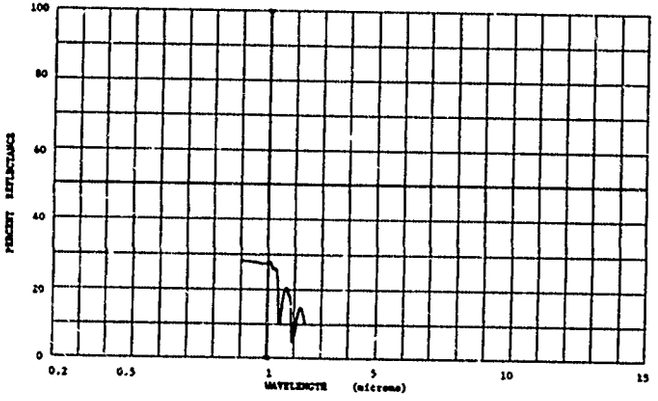
PARAMETER INFORMATION
CATE= 0 E 66 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-054 ALBINO COLEUS PLANT, TERMINAL LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGC BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

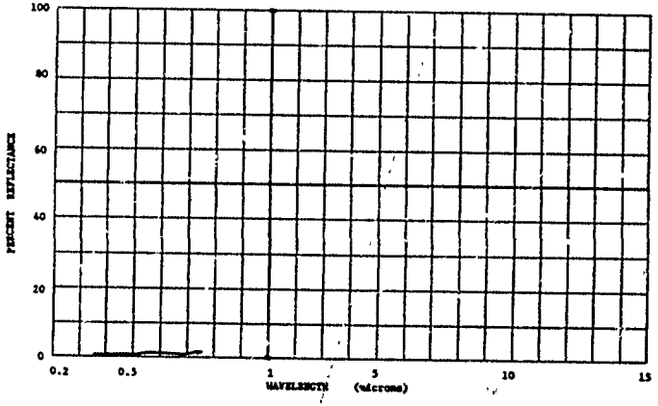
PARAMETER INFORMATION
CATE= 0 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-055 ALBINO COLEUS PLANT, UPPER LEAF SURFACE, 15 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 0 E 66 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

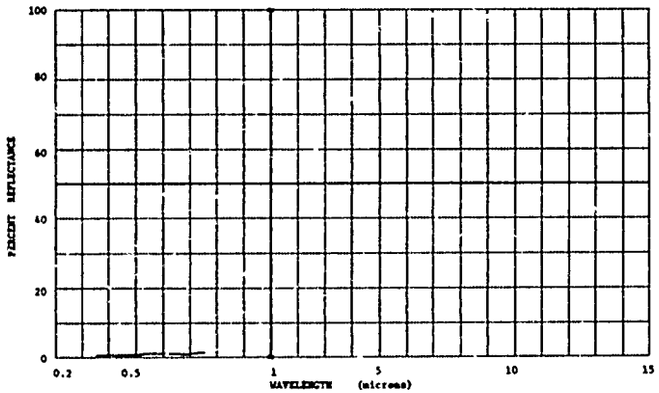


RADC 107

820000-056 ALBINO COLEUS PLANT, LOWER LEAF SURFACE, 15 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

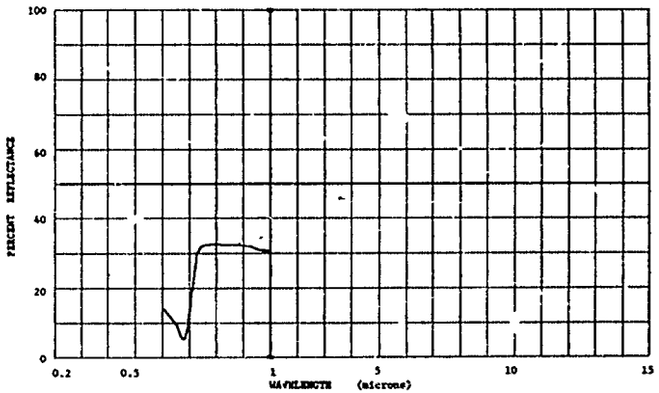
PARAMETER INFORMATION
DATE= 8 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-057 ALBINO COLEUS PLANT, UPPER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CEC CFAA DFCE CK ECB ECCA

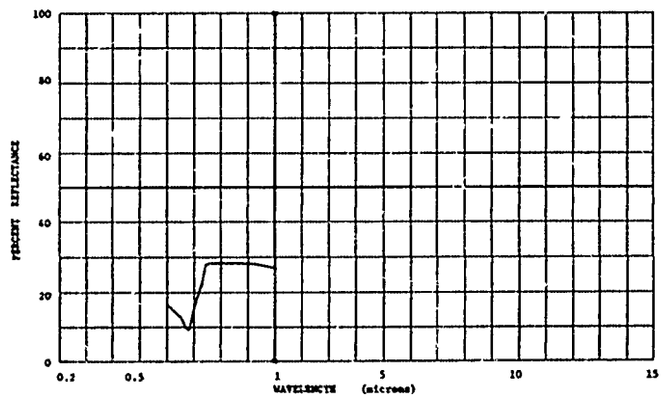
PARAMETER INFORMATION
DATE= 8 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-058 ALBINO COLEUS PLANT, LOWER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CEC CFAA DFCE CK ECB ECCA

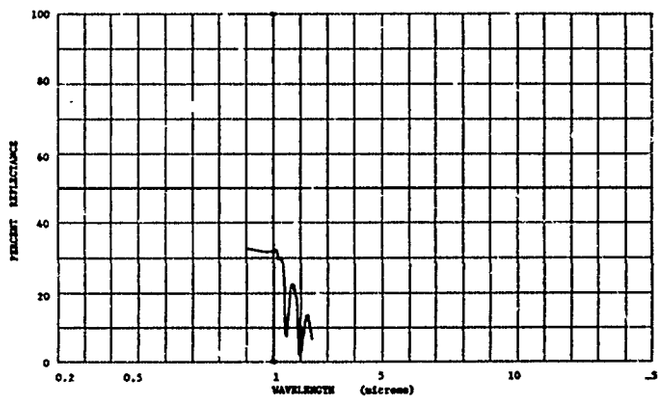
PARAMETER INFORMATION
DATE= 8 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-059 ALBINO COLEUS PLANT, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGC BGFBC CDA CEC CFAA DFCE CK ECB ECCA ECCB

PARAMETER INFORMATION
DATE= 8 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

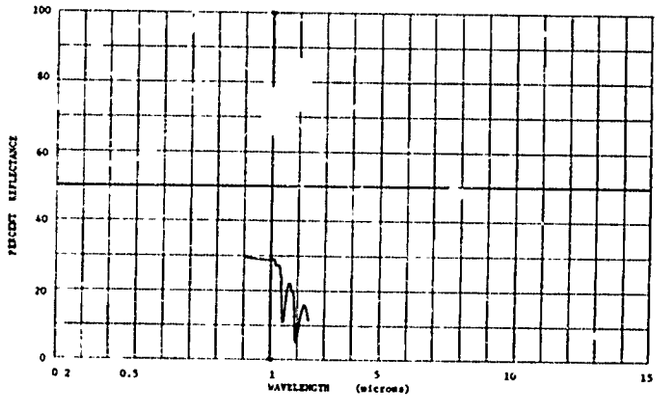


ZGD 308

820000-060 ALB.NO COLEUS PLANT, LOWER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
PGC BGFBC CCA CEC CFAA DFCE CK ECB ECCA ECCC

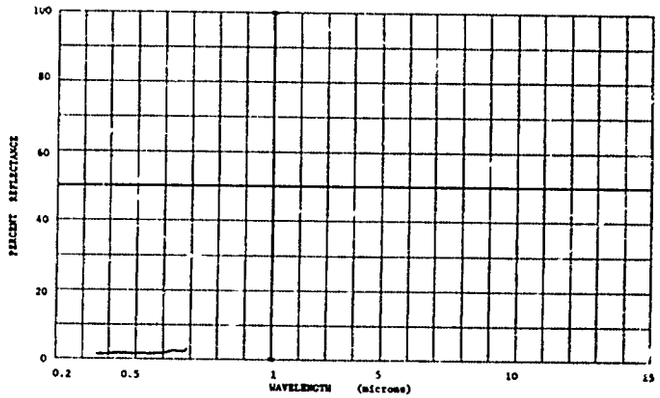
PARAMETER INFORMATION
CATE= 8 E 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-061 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
PGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

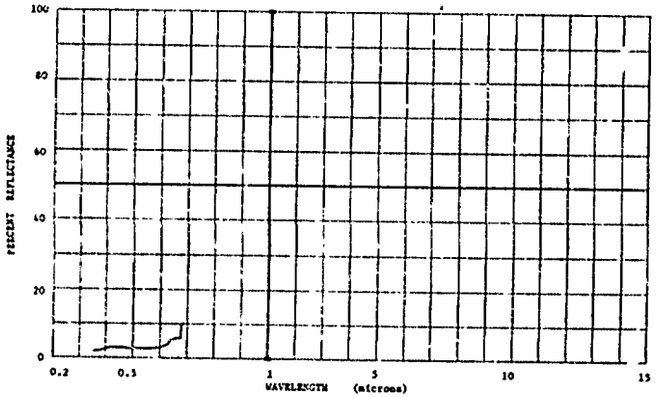
PARAMETER INFORMATION
CATE= 7 E 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-062 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
PGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

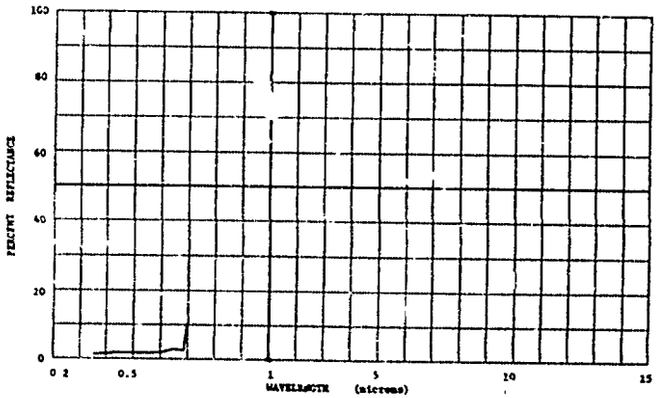
PARAMETER INFORMATION
CATE= 7 E 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-063 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, 1.5 HOURS AFTER PICKING.

SUBJECT CODES
PGC BGFBC CCA CEC CFA= DFCE CK ECAD ECH ECCA

PARAMETER INFORMATION
CATE= 7 E 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

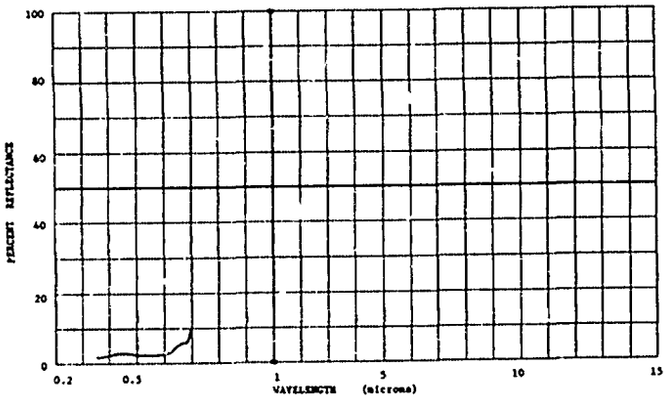


BDD 308

820000-064 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, 1.5 HOURS AFTER PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

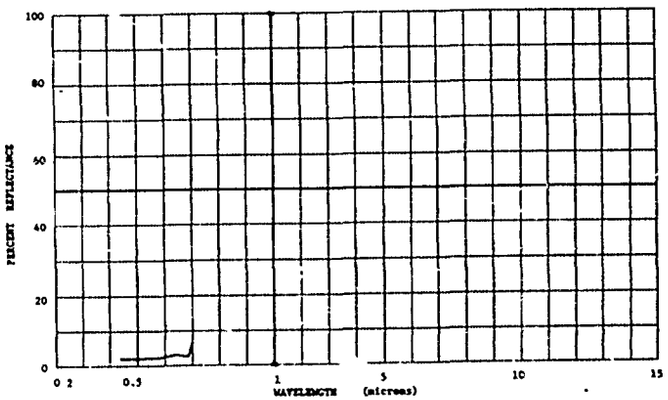
PARAMETER INFORMATION
CATE= 7 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-065 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

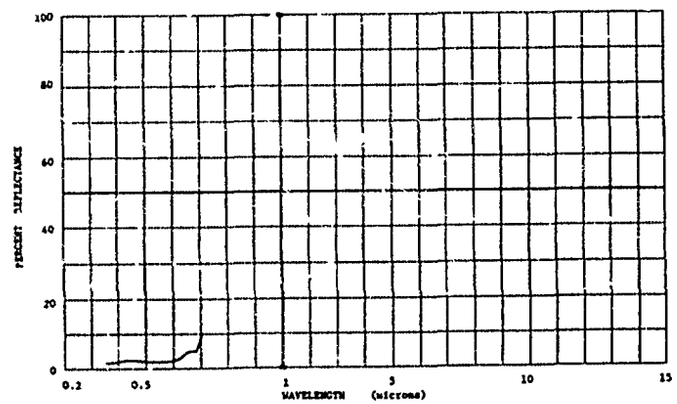
PARAMETER INFORMATION
CATE= 7 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-066 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
EGC BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

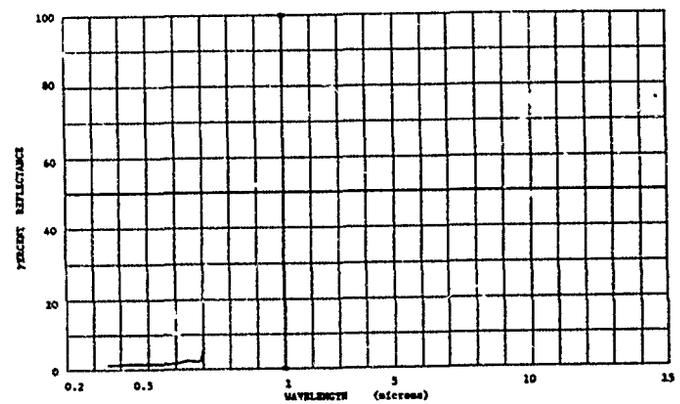
PARAMETER INFORMATION
CATE= 7 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-067 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, 4.5 HOURS AFTER PICKING.

SUBJECT CODES
EGC BGF.I CCA CEC CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 7 6 66 TIME= 1630 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

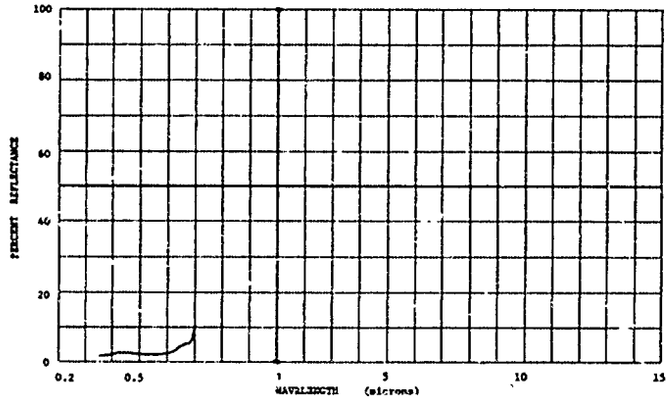


BCD 810

820000-068 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, 4.5 HOURS AFTER PICKING.

SUBJECT CODES
EGC BGFBC CDA CEC CFAA DFCE CK ECAD

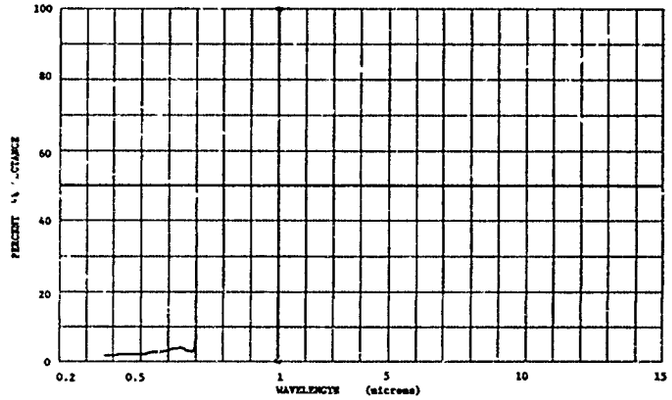
PARAMETER INFORMATION
CATE= 7 6 66 TIME= 1630 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3. IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-069 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

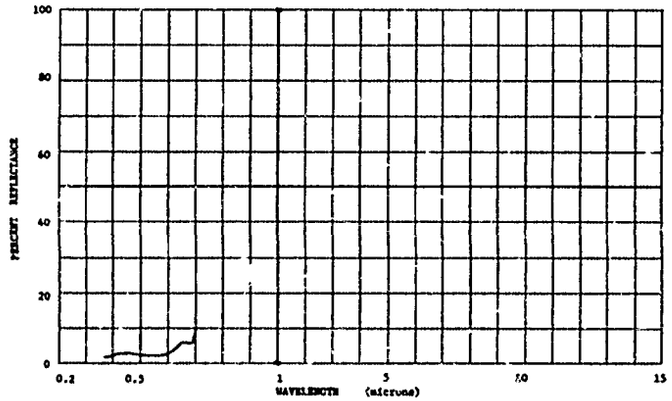
PARAMETER INFORMATION
CATE= 7 6 66 TIME= 1515 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-070 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGD BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

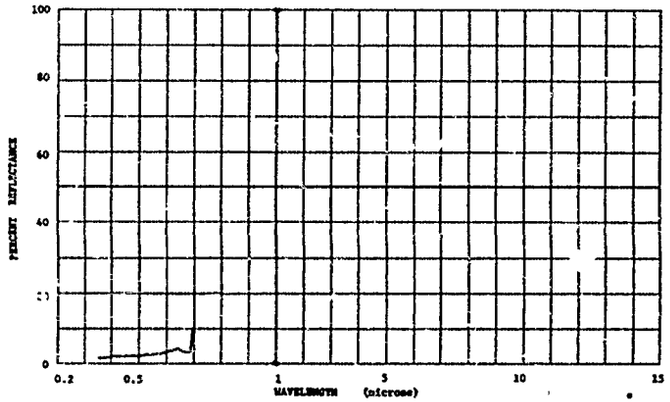
PARAMETER INFORMATION
CATE= 7 6 66 TIME= 1515 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-071 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
EGC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 7 6 66 TIME= 1610 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

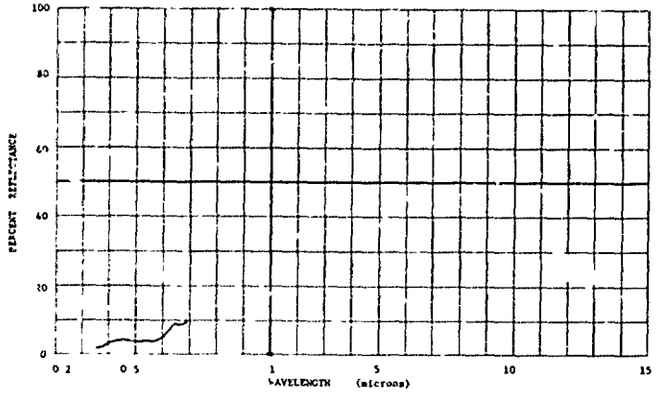


BGD 311

B2C000-072 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BCFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

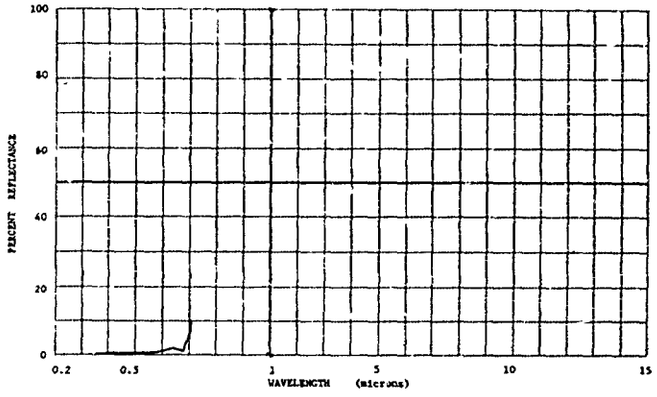
PARAMETER INFORMATION
DATE= 7 6 66 TIME= 1610 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C000-073 DARK RED COLEUS PLANT, UPPER LEAF SURFACE, 18.5 HOURS AFTER PICKING.

SUBJECT CODES
BGC BCFBC CCA CEC CFAA DFCE CK ECAD ECB

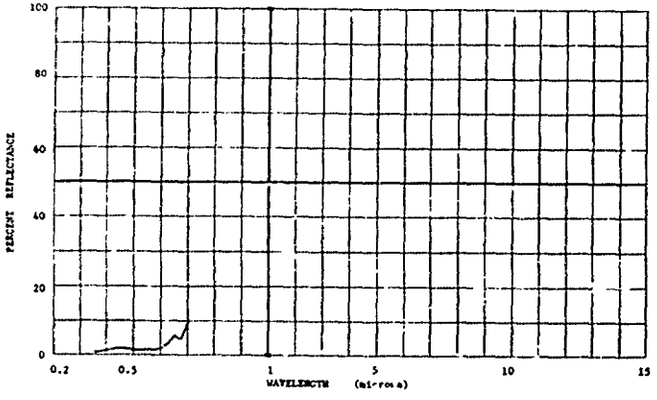
PARAMETER INFORMATION
DATE= 8 6 66 TIME= 1030 LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C000-074 DARK RED COLEUS PLANT, LOWER LEAF SURFACE, 18.5 HOURS AFTER PICKING.

SUBJECT CODES
BGC BCFBC CCA CEC CFAA DFCE CK ECAD ECB

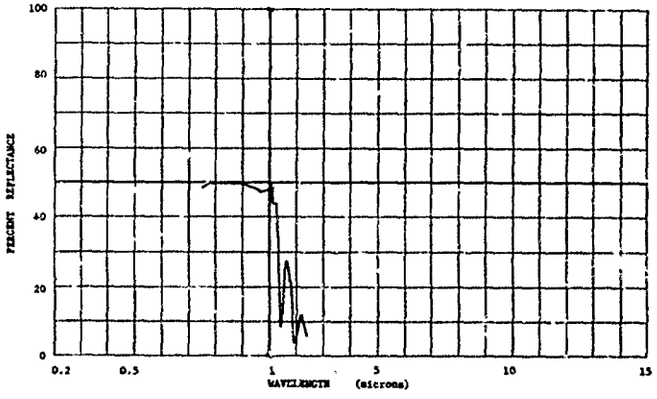
PARAMETER INFORMATION
DATE= 8 6 66 TIME= 1030 LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C000-087 GERANIUM, UPPER LEAF SURFACE, 3 MINUTES AFTER PICKING.

SUBJECT CODES
BGC BCFBC CCA CEC CFAA DFCE CK ECB ECCA ECCB

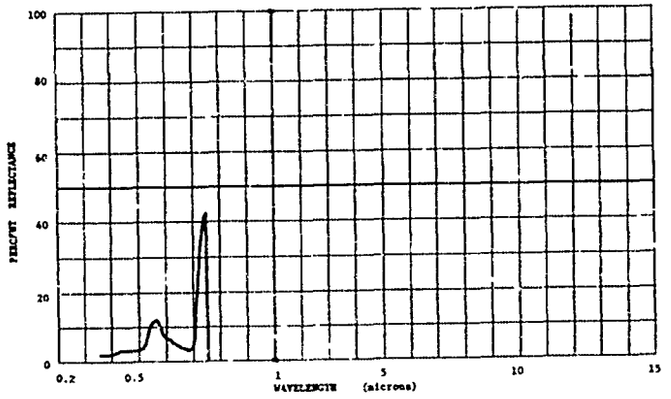
PARAMETER INFORMATION
DATE= TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-257 GERANIUM LEAF, UPPER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC EGFC CDA CEC DFAA CFCE CK ECAD ECB
ECCA

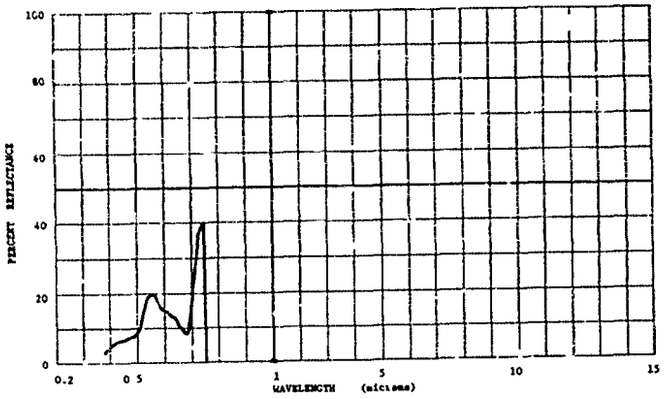
PARAMETER INFORMATION
CATE= 1 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE=



820000-258 GERANIUM LEAF, LOWER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC EGFC CDA CEC DFAA CFCE CK ECAD ECB
ECCA

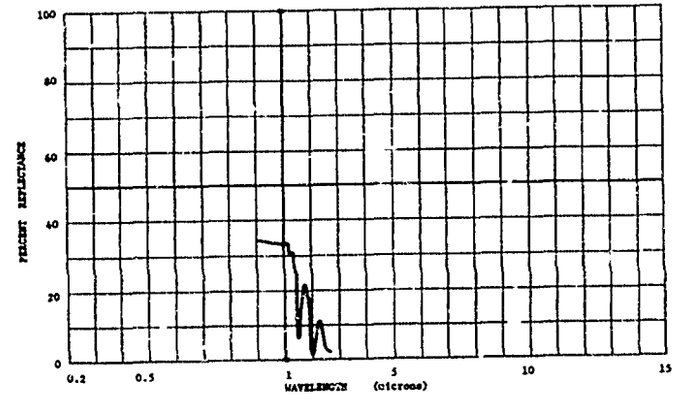
PARAMETER INFORMATION
CATE= 1 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-259 DARK RED COLEUS, TERMINAL LEAF, UPPER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

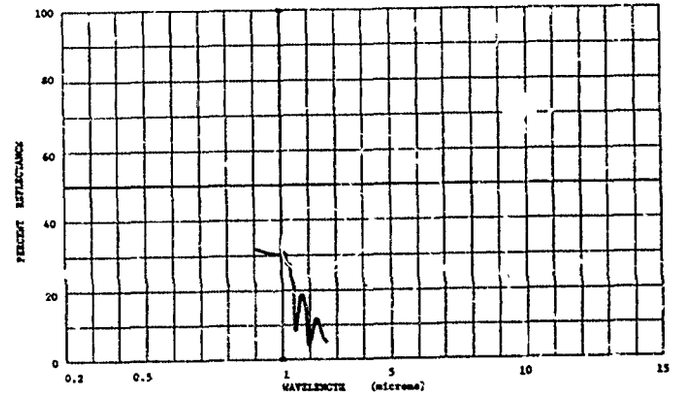
PARAMETER INFORMATION
CATE= 6 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-260 DARK RED COLEUS, TERMINAL LEAF, LOWER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

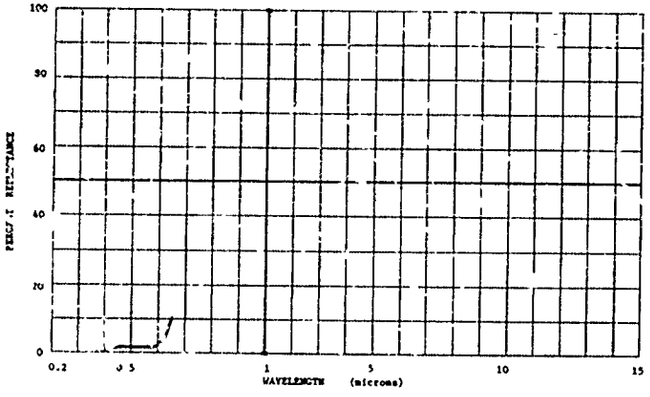
PARAMETER INFORMATION
CATE= 6 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-261 OLD REC COLEUS PLANT, UPPER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC BGFE CDA CEC DFAA EFCE DK ECAD ECB ECCA

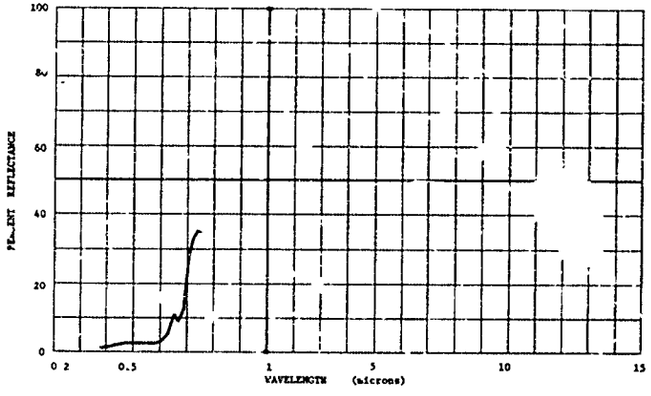
PARAMETER INFORMATION
CATE= 6 E 6E TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-262 OLD REC COLEUS PLANT, UPPER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC BGFE CDA CEC DFAA EFCE DK ECAD ECB ECCA

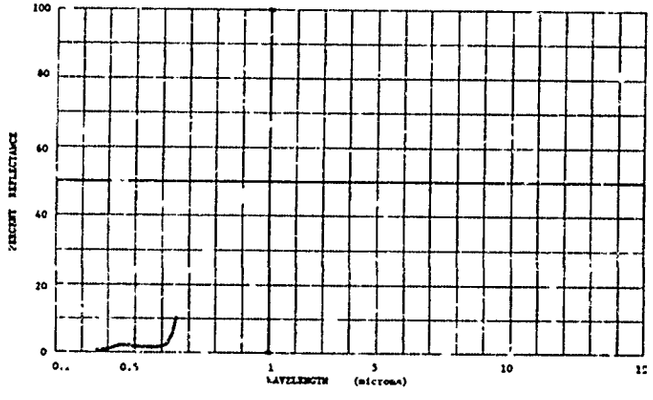
PARAMETER INFORMATION
CATE= 6 E 6E TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-263 OLD REC COLEUS PLANT, LOWER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC BGFE CDA CEC DFAA EFCE DK ECAD ECB ECCA

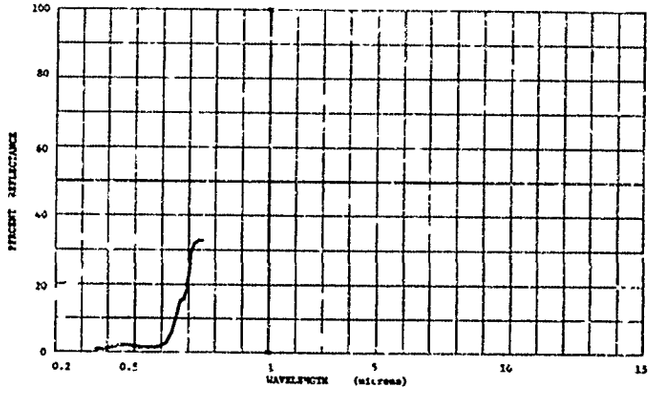
PARAMETER INFORMATION
CATE= 6 E 6E TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-264 OLD REC COLEUS PLANT, LOWER LEAF SURFACE.

SUBJECT CODES
EGC EGFBC BGFE CDA CEC DFAA EFCE DK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 6 E 6E TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

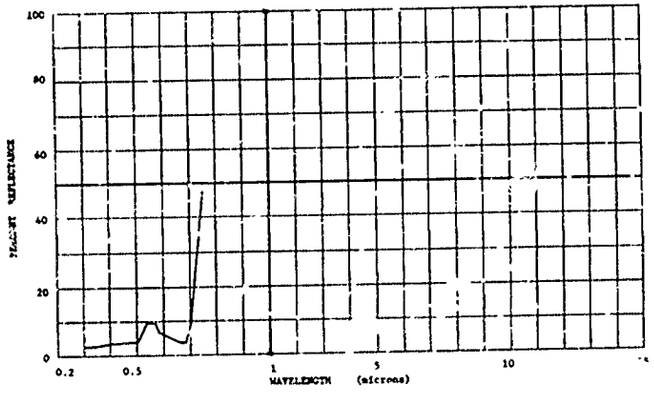


BLG 314

B20000-002 DIEFFENBACHIA, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

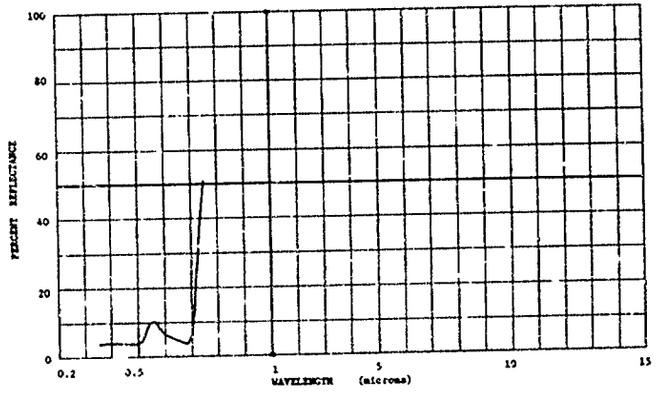
PARAMETER INFORMATION
CATE= 31 3 66 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-003 DIEFFENBACHIA, UPPER LEAF SURFACE, 1.5 HOURS AFTER PICKING.

SUBJECT CODES
BGCA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA
ECCB

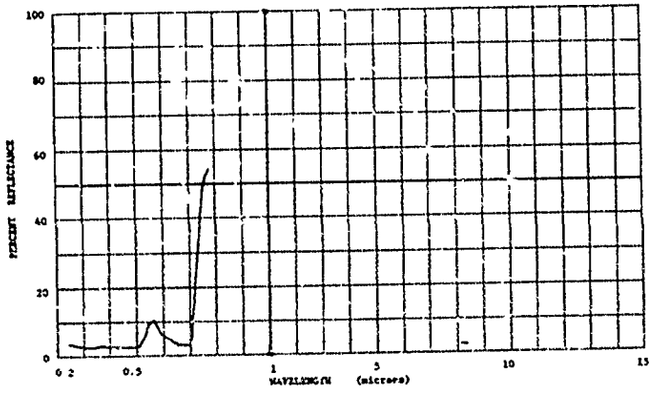
PARAMETER INFORMATION
CATE= 6 4 66 TIME= 1545 LAT= LONG= ALT= RANGE=
CAYS RE= W IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-014 DIEFFENBACHIA, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCA BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA ECCB

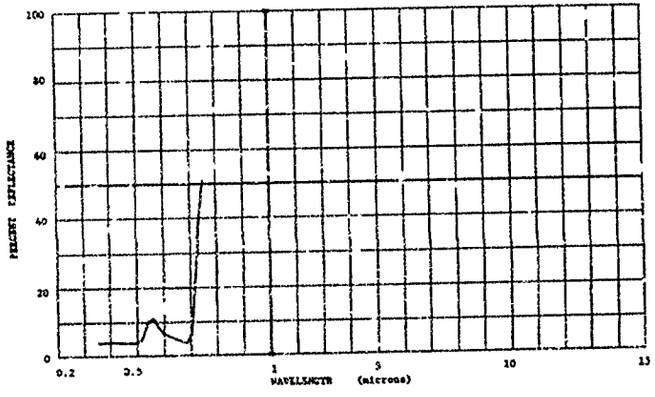
PARAMETER INFORMATION
CATE= 7 4 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-117 DIEFFENBACHIA, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCA BGFBC CCA CEC CFAA DFCE CK ECAC ECB ECCA
ECCB

PARAMETER INFORMATION
CATE= 6 4 66 TIME= 1315 LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



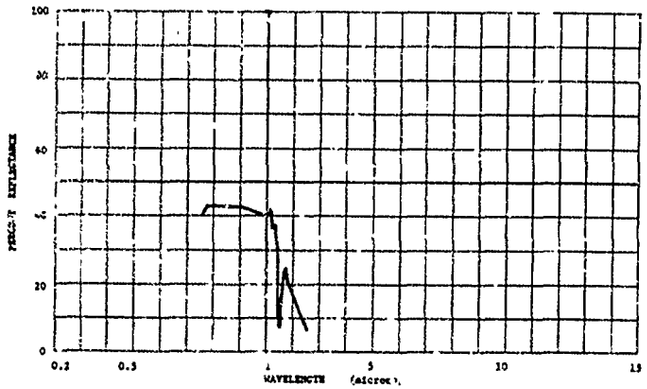
ESD 315

820000 142 PHILODENDRON, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 12 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT=0 N AVE= 1

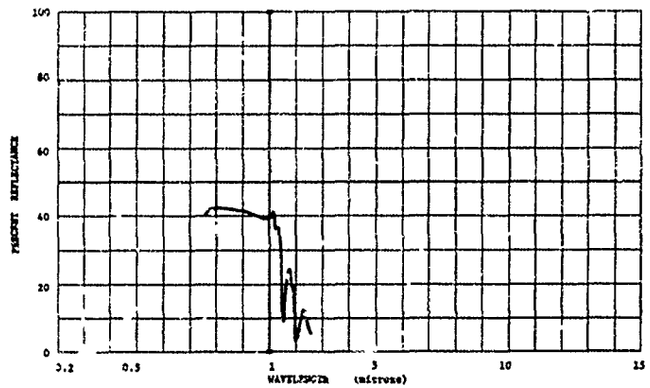


820000-343 PHILODENDRON, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDA BGFBC CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 12 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

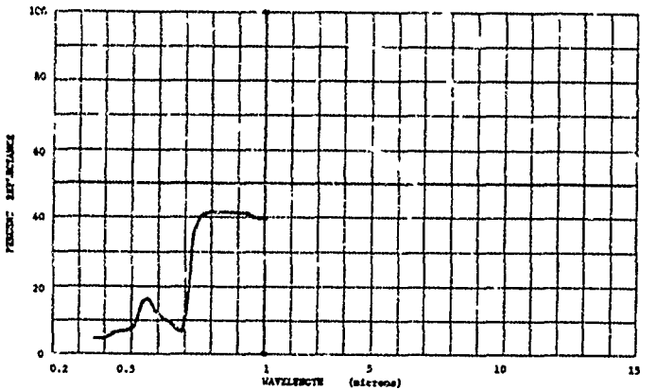


820000-321 COCCANUT PALM, UPPER LEAF SURFACE, ABOUT 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGDA BGFBC CDA CED DFAA DFCE DK ECAD ECB ECCA

PARAMETER INFORMATION
DATE= 30 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

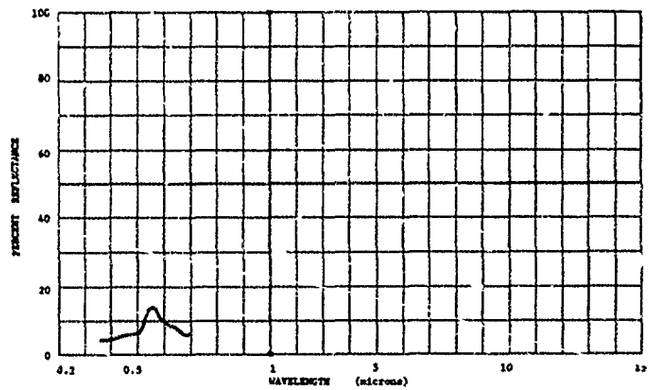


820000-352 COCCANUT PALM, LOWER LEAF SURFACE, ABOUT 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGDA BGFBC CDA CED DFAA DFCE DK ECAD ECB ECCA

PARAMETER INFORMATION
DATE= 30 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT= N AVE= 1

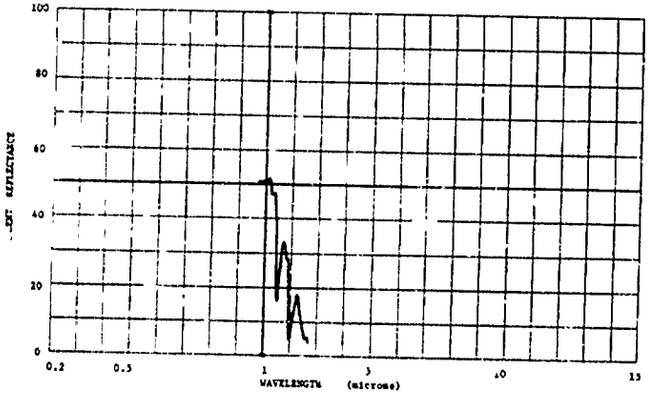


B20000-353 COCCANUT PALM, UPPER LEAF SURFACE, ABOUT 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGDA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 31 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLO= VIS=

TEPP= DEW PT= N AVE= 1

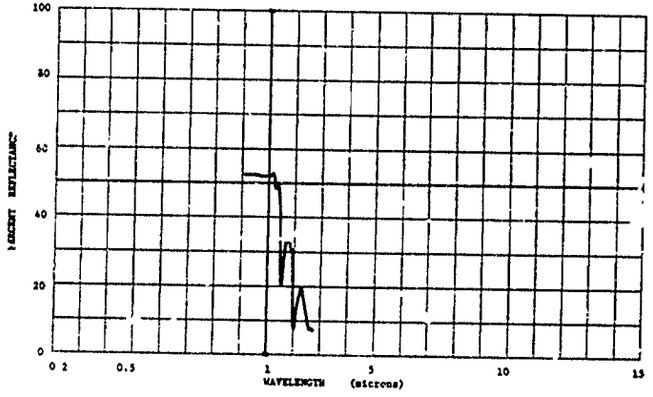


B20000-354 COCCANUT PALM, LOWER LEAF SURFACE, ABOUT 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGDA BGFBC CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 31 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLO= VIS=

TEPP= DEW PT= N AVE= 1

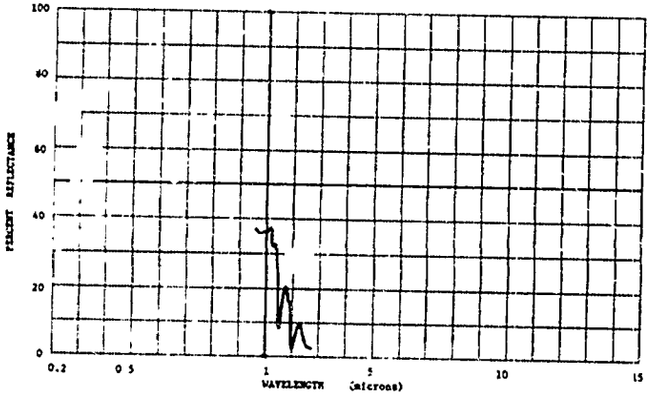


B20000-355 PALMETTO PALM (WASHINGTONIA R.), UPPER LEAF SURFACE, ABOUT 30 MINUTES AFTER PICKING.

SUBJECT CODES
BGDA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 30 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLO= VIS=

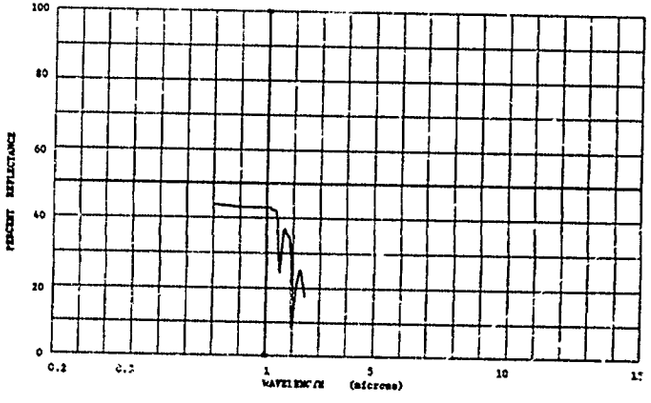
TEPP= DEW PT= N AVE= 1



B20000-112 BEECH, TREE IN FOREST, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEBA ECFBC CCA CEC DFAA DFCE LK ECCA ECCB

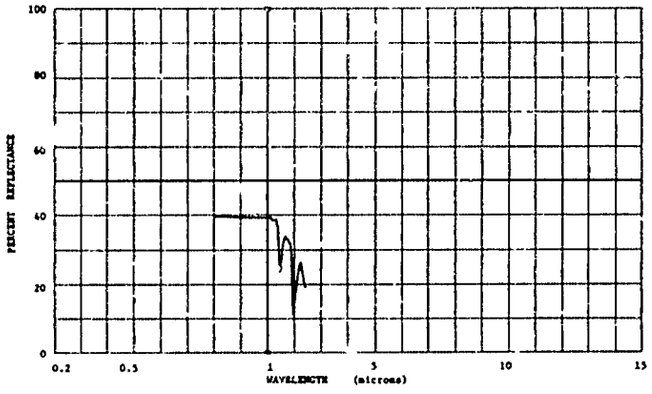
PARAMETER INFORMATION
DATE= 23 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



82COCO-113 BEECH, TREE IN FOREST, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

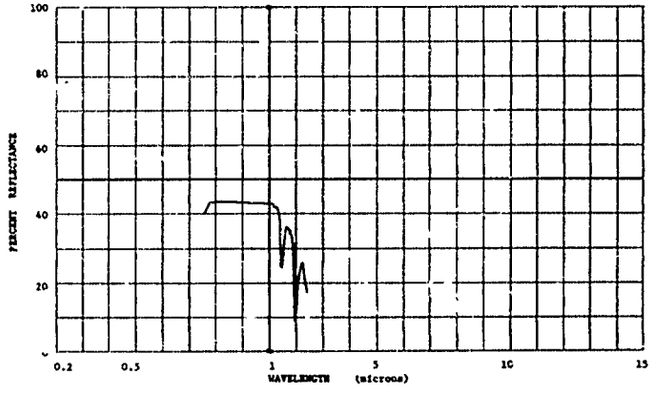
PARAMETER INFORMATION
CATE= 23 & 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82COCO-118 BEECH, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

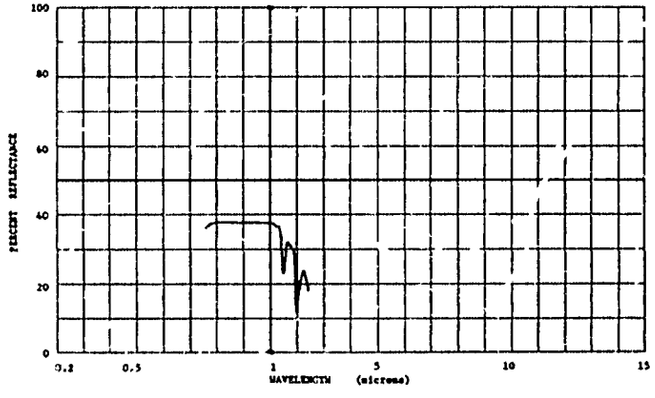
PARAMETER INFORMATION
CATE= 22 & 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82COCO-119 BEECH, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

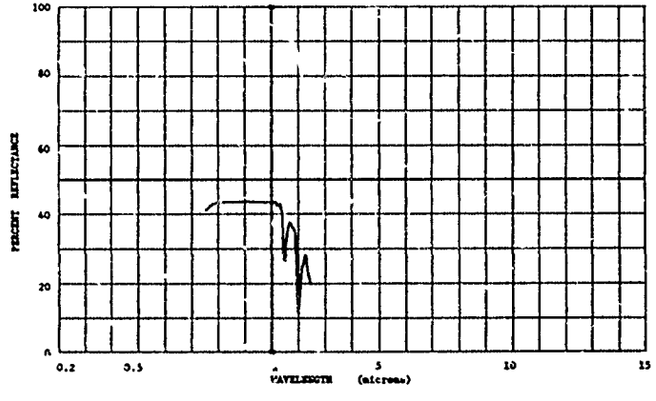
PARAMETER INFORMATION
CATE= 22 & 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82COCO-120 BEECH, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 22 & 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

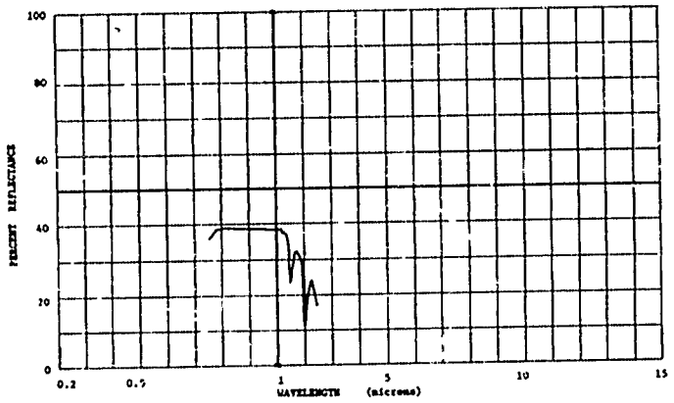


BGD 515

b20000-121 BEECH, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

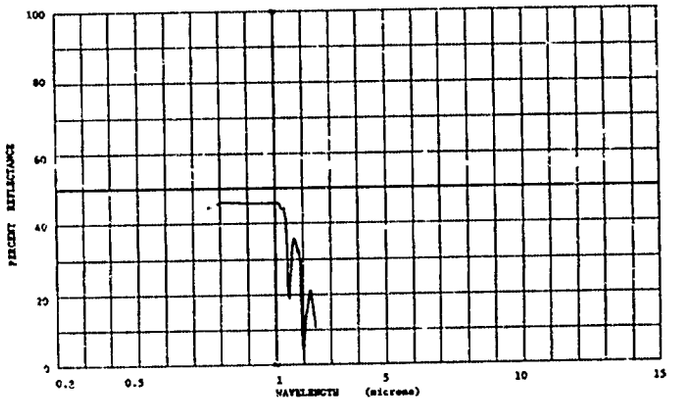
PARAMETER INFORMATION
CATE= 22 ¢ 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



b20000-122 BEECH, UPPER LEAF SURFACE, 10 MINUTES AFTER PICKING.

SUBJECT CODES
EGCBA BGFBC CCA CEC CFAA DFCE CK EL = ECCB

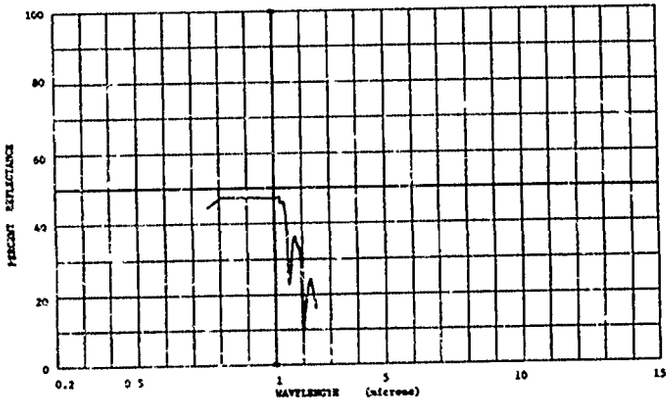
PARAMETER INFORMATION
CATE= 24 ¢ 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



b20000-123 BEECH, LOWER LEAF SURFACE, 10 MINUTES AFTER PICKING.

SUBJECT CODES
EGCBA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

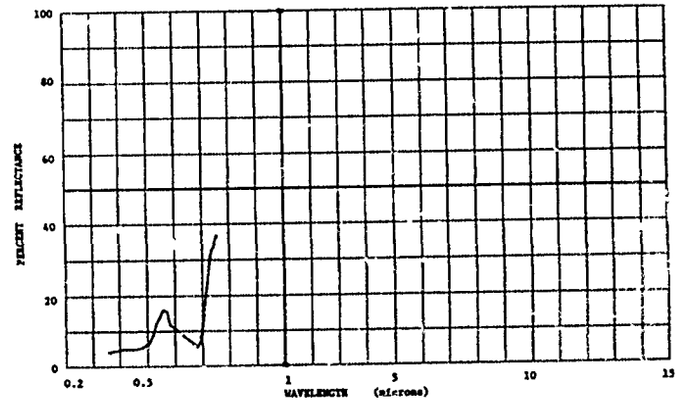
PARAMETER INFORMATION
CATE= 24 ¢ 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



b20000-124 BEECH, UPPER LEAF SURFACE, VERY SHADED LOCATION, BEFORE PICKING.

SUBJECT CODES
EGCBA BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 24 ¢ 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

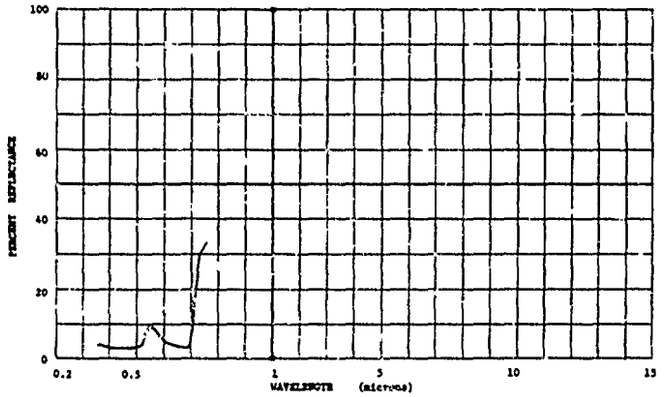


BOD 319

820000-125 BEECH, LOWER LEAF SURFACE, DRY SHADED LOCATION, BEFORE PICKING.

SUBJECT CODES
BGCBA BGPBC CCA CEC CPAA DFCE CK ECAC ECAD ECB
ECCA

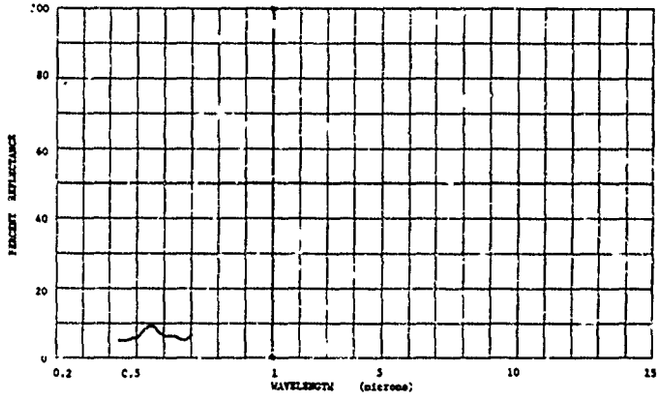
PARAMETER INFORMATION
DATE= 24 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= C= C4Z= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-021 CHESTNUT, CASTANEA DENTATA, UPPER LEAF SURFACE.

SUBJECT CODES
BGCBF BGPBC CO CEC CPA DFCC CK ECB

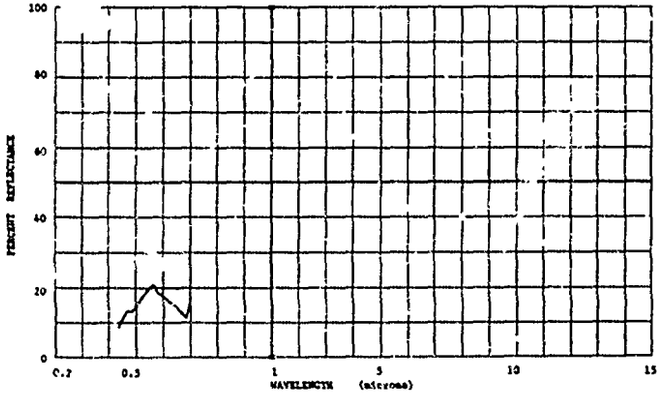
PARAMETER INFORMATION
DATE= 26 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-022 CHESTNUT, CASTANEA DENTATA, LOWER LEAF SURFACE.

SUBJECT CODES
BGCBE BGPBC C2 CEC CPA DF[illegible] CK ECB

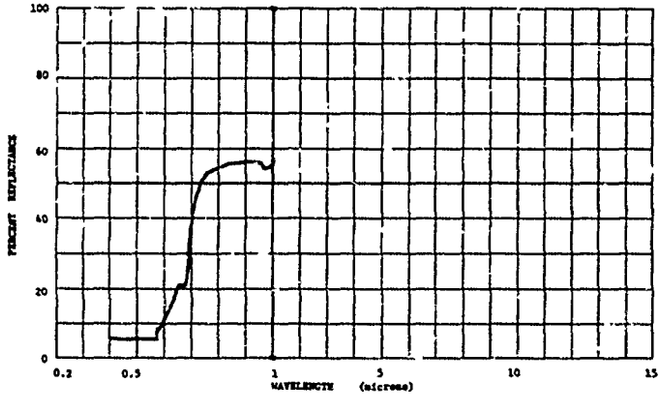
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803333-003 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, SPRING 1964.

SUBJECT CODES
BGCBC BGPC CDB CEC CPAA DFCE CK ECB ECCA

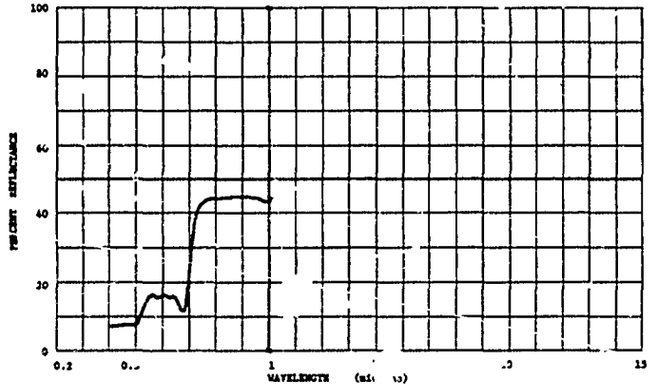
PARAMETER INFORMATION
DATE= 27 4 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



803333-004 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, SPRING 1964.

SUBJECT CODES
BGCBC BGFC CDB CEC CFAA DFCE CK ECB ECCA

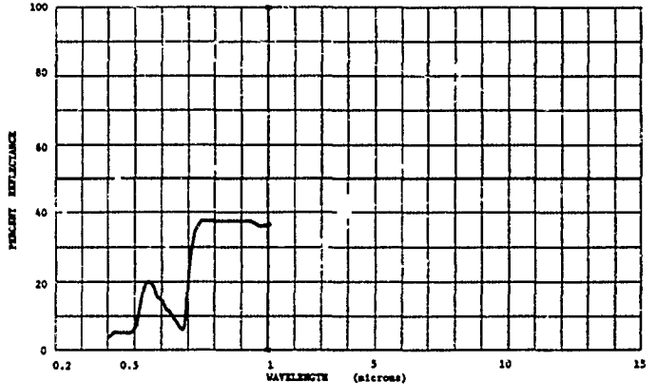
PARAMETER INFORMATION
DATE= 22 4 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-005 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, SPRING 1964.

SUBJECT CODES
BGCBC BGFC CDB CEC CFAA DFCE CK ECB ECCA

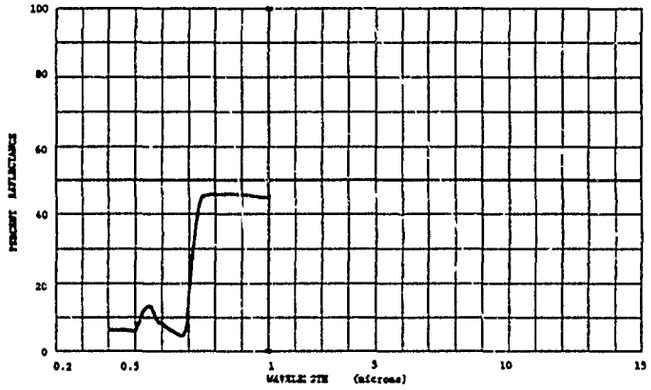
PARAMETER INFORMATION
DATE= 5 5 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-006 WHITE OAK LEAVES, 0.5 HOURS AFTER P[illegible] SPRING 1964.

SUBJECT CODES
BGCBC BGFC CDB CEC CFAA DFCE CK ECB ECCA

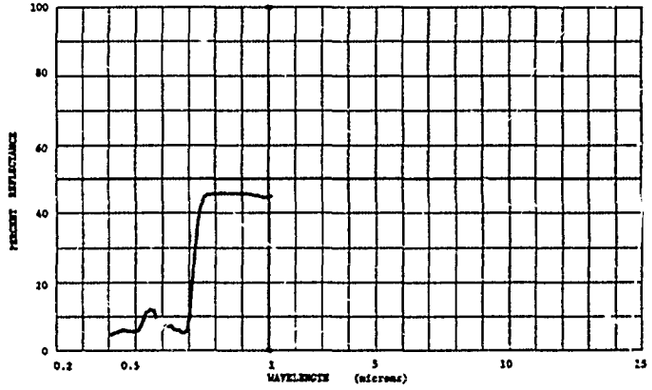
PARAMETER INFORMATION
DATE= 18 5 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-007 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, FALL 1964.

SUB[illegible] CODES
BGCBC BGFC CDB CEC CFAA DFCE [illegible] ECB ECCA

PARAMETER INFORMATION
DATE= 18 5 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

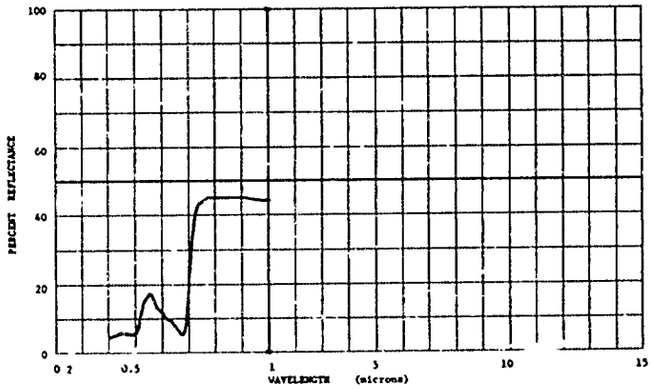


BOD 371

BC3333-008 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, FALL 1964.

SUBJECT CODES
EGEBC EGFE CDE CEC CFAA DFCE CK ECB ECCA

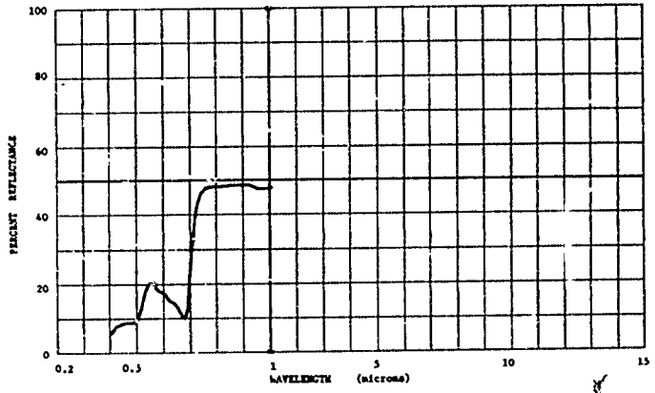
PARAMETER INFORMATION
CATE= 21 IC 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



BC3333-009 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, FALL 1964.

SUBJECT CODES
EGEBC EGFE CDE CEC CFAA DFCE CK ECB ECCA

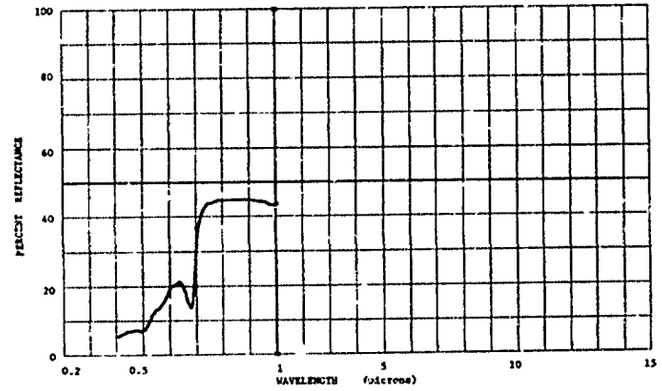
PARAMETER INFORMATION
CATE= 26 IC 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= T.EPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



BC3333-010 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, FALL 1964.

SUBJECT CODES
EGEBC EGFE CDE CEC CFAA DFCE CK ECB ECCA

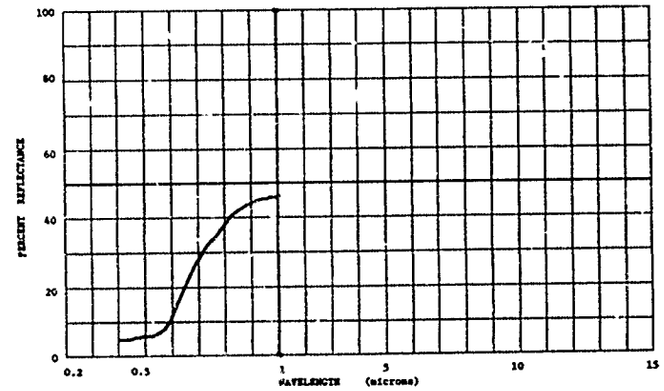
PARAMETER INFORMATION
CATE= 28 IC 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



BC3333-011 WHITE OAK LEAVES, 0.5 HOURS AFTER PICKING, FALL 1964.

SUBJECT CODES
EGEBC EGFE CDE CEC CFAA DFCE CK ECB ECCA

PARAMETER INFORMATION
CATE= 2 11 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 6.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1

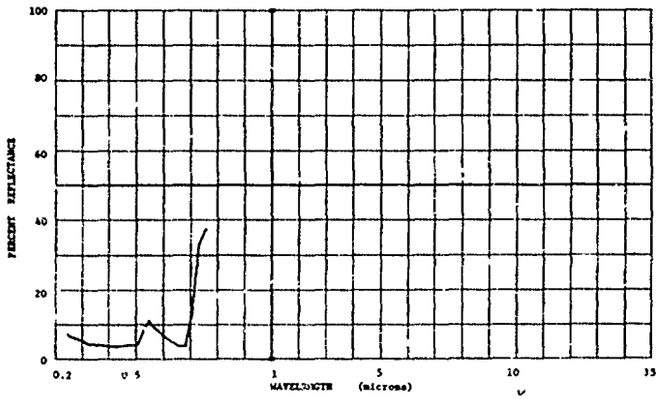


BC3333

B20000-126 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC BGFBC CCA CEC CFAA DFCE CK ECAC ECAD FCCA

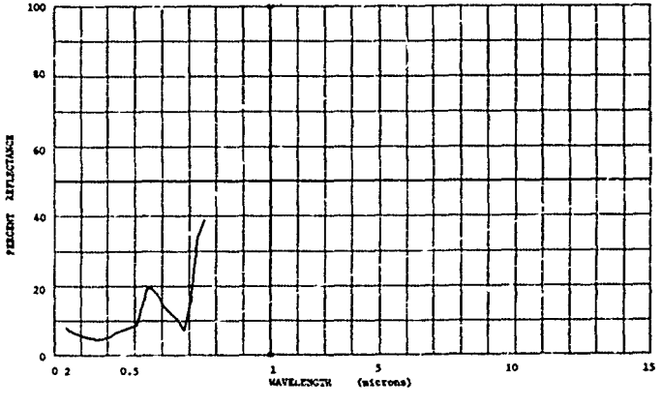
PARAMETER INFORMATION
CATE= 5 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS = 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-127 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
E 4C BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
EC..A

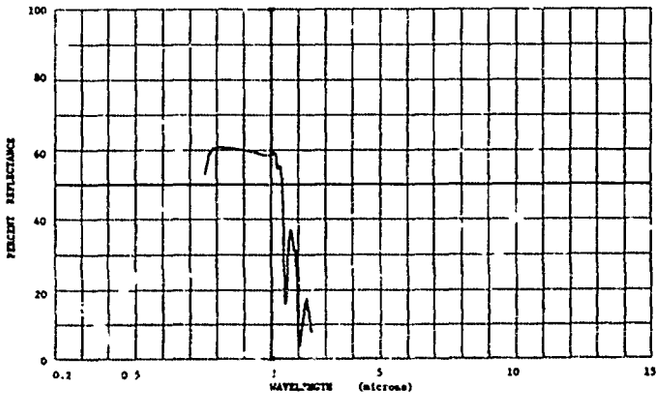
PARAMETER INFORMATION
CAT.= 30 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-137 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
PGEBC BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

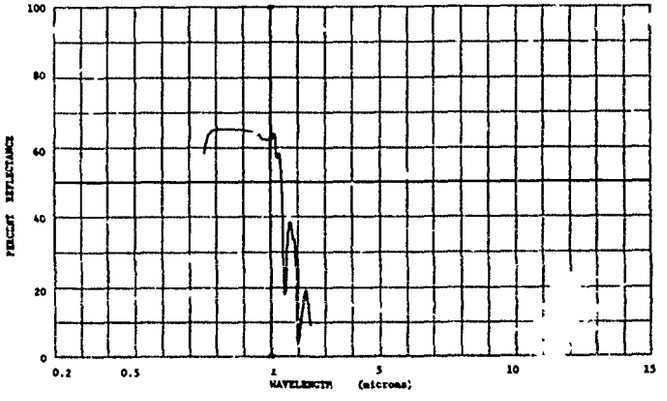
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-138 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

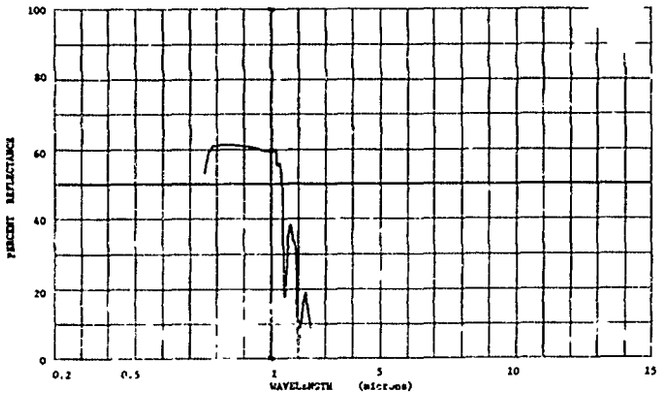
PARA ETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-139 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCBC BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

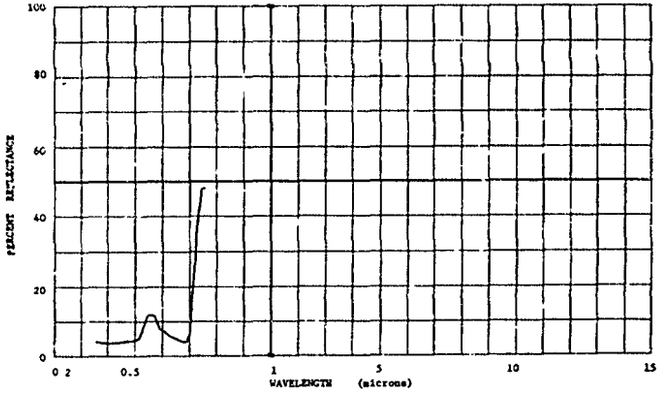
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-148 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCBC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

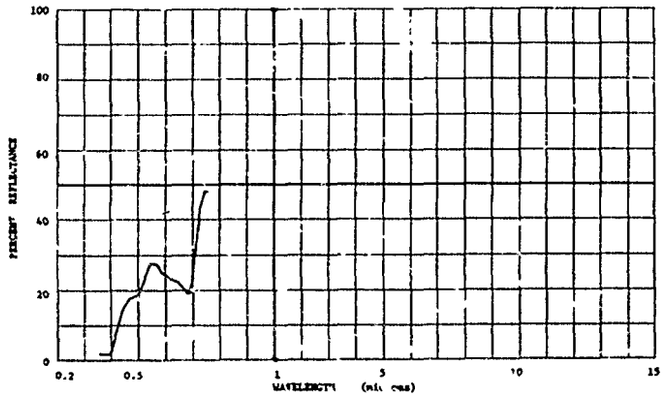
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-149 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCBC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

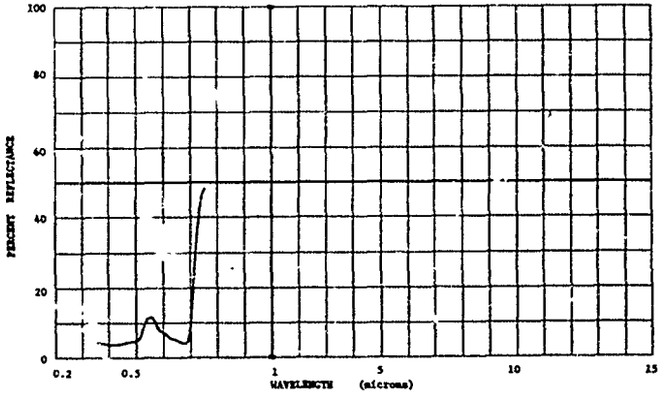
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-150 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCBC BGFBC CDA CEC CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

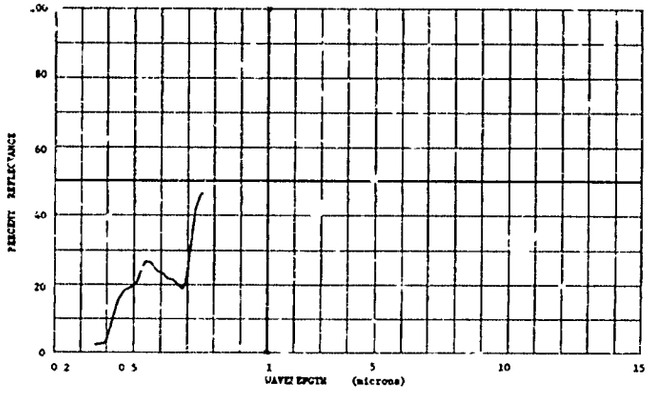


BGD 524

820000-151 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDBC BGFBC CDA CED CFAA DFCE CK ECAD ECB ECCA

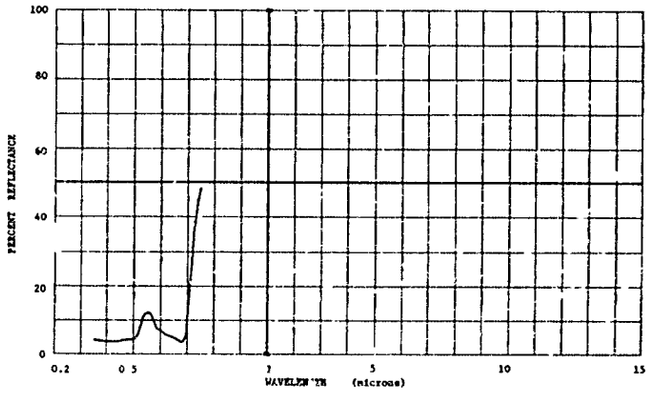
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-152 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDBC BGFBC CDA CED CFAA DF. CK ECAD ECB ECCA

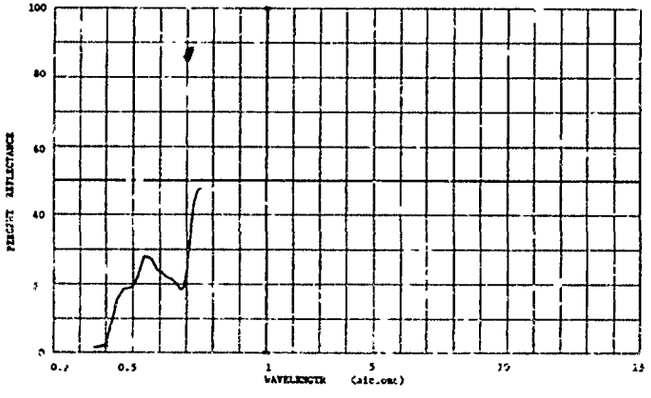
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-153 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDBC BGFBC CDA CED CFAA DFCE CK ECAD ECB ECCA

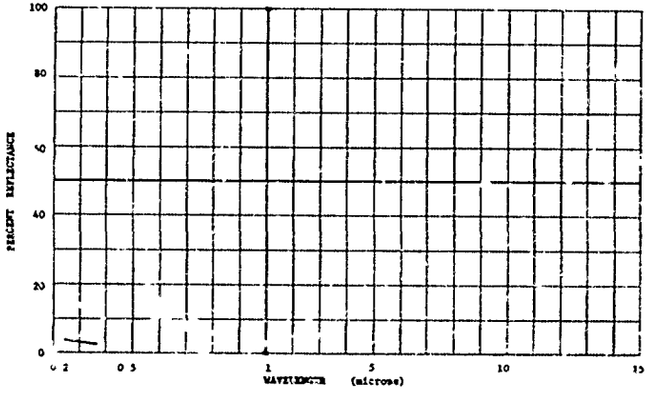
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-154 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDBC BGFBC CDA CED CFAA DFCE CK ECAC ECAC

PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

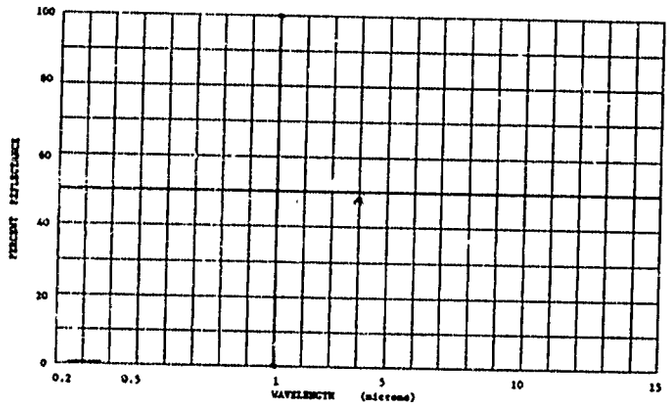


BCD 335

820000-155 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGEBC GGFBC CCA CEC CFAA DFCE CK ECAC ECAD

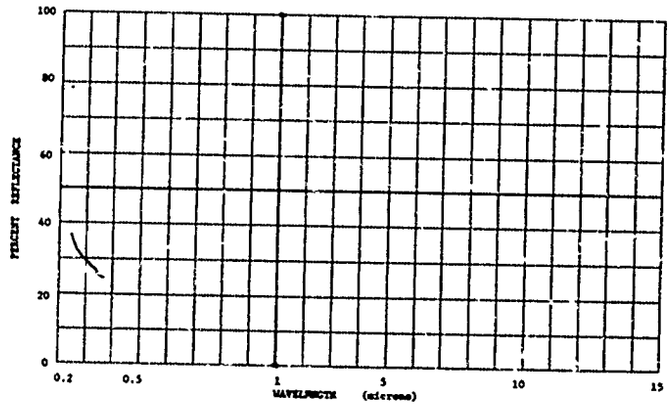
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-156 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGEBC GGFBC CCA CEC CFAA DFCE CK ECAC ECAD

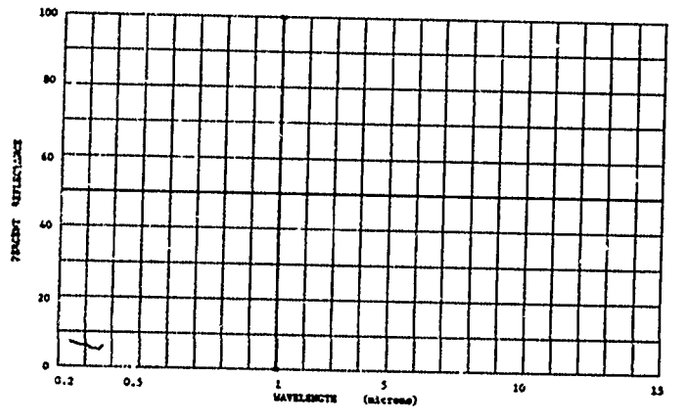
PARAMETER INFORMATION
CATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-157 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGEBC GGFBC CCA CEC CFAA DFCE CK ECAC ECAD

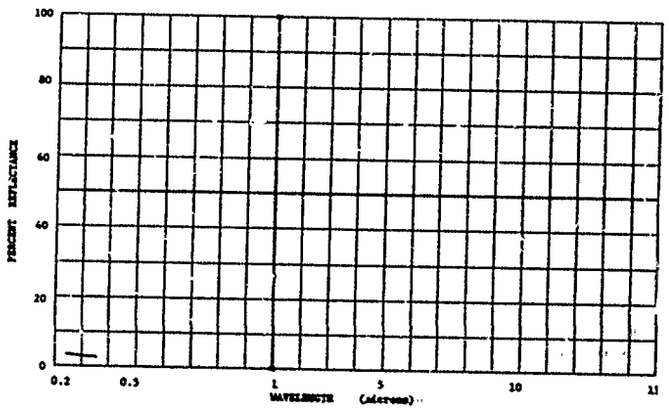
PARAMETER INFORMATION
CATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-158 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGEBC GGFBC CCA CEC CFAA DFCE CK ECAC ECAD

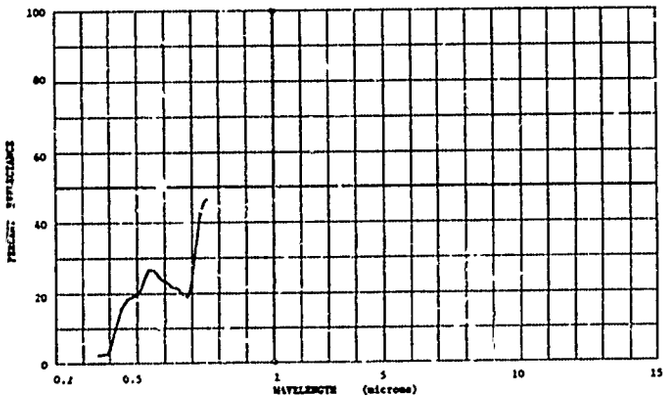
PARAMETER INFORMATION
CATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-151 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEBC BGFBC CDA CEC CFAA DFCE DK ECAD ECB ECCA

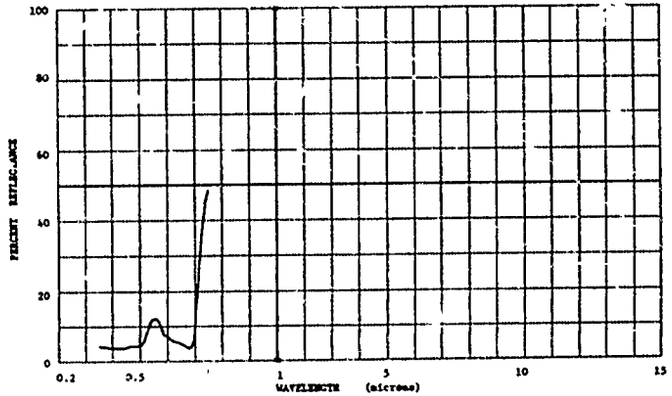
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-152 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGDBC BGFB CDA CEC CFAA DFCE DK ECAD ECB ECCA

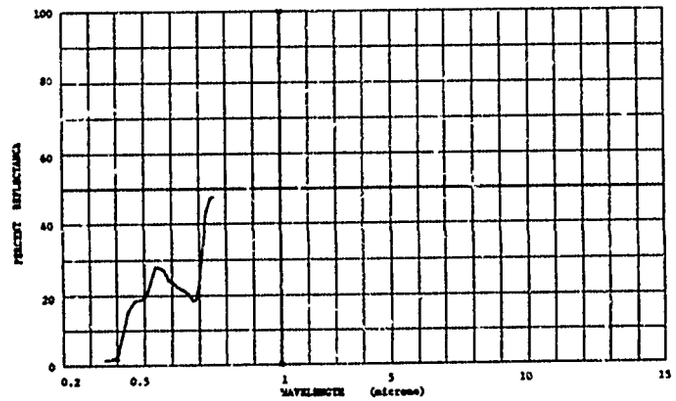
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-153 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGDBC BGFBC CDA CEC CFAA DFCE DK ECAD ECB ECCA

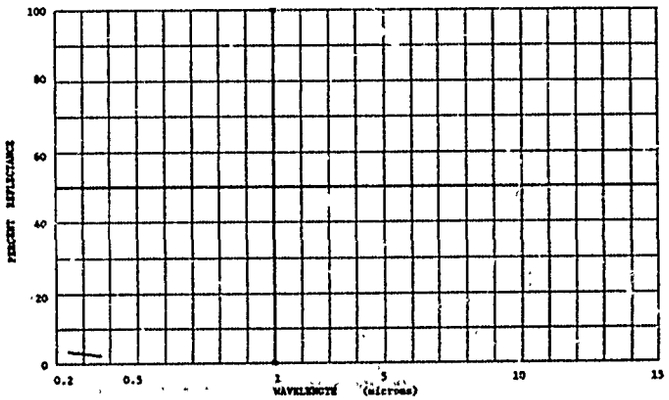
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-154 BURR OAK, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEBC BGFBC CDA CEC CFAA DFCE DK ECAD ECAC ECAC

PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



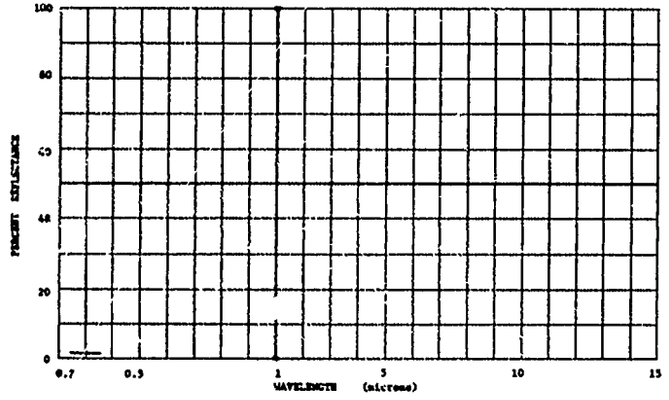
BGD 956

BGD 527

020000-159 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC EGFBC CCA CEC CFAA DFCE CK ECAC ECAD

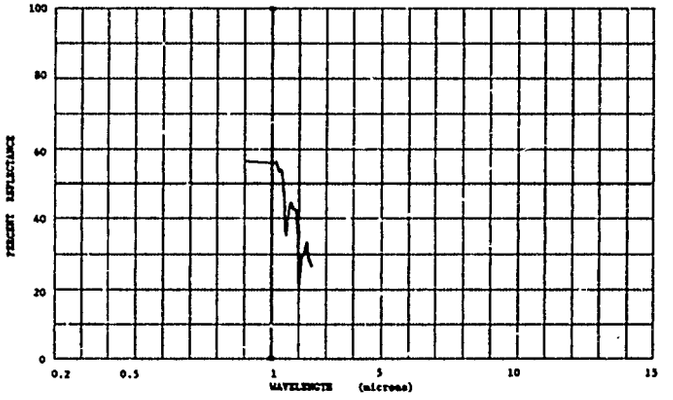
PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-160 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

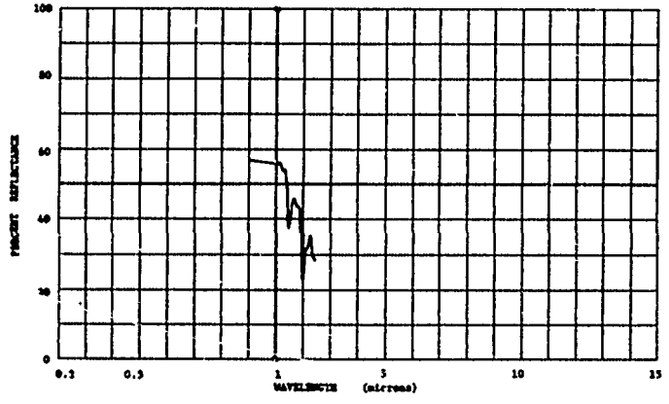
PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-161 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

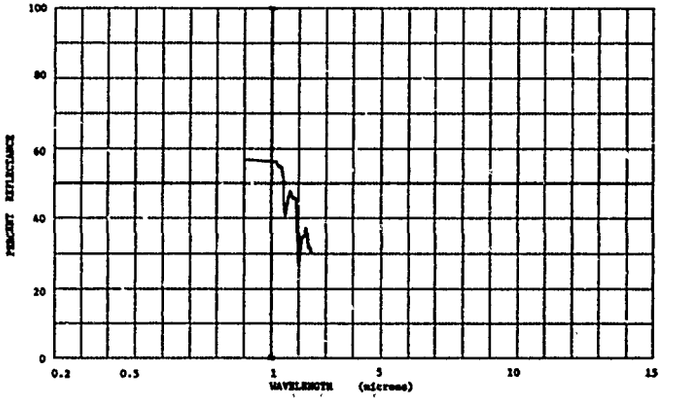
PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-162 BURR OAK, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGCBC EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

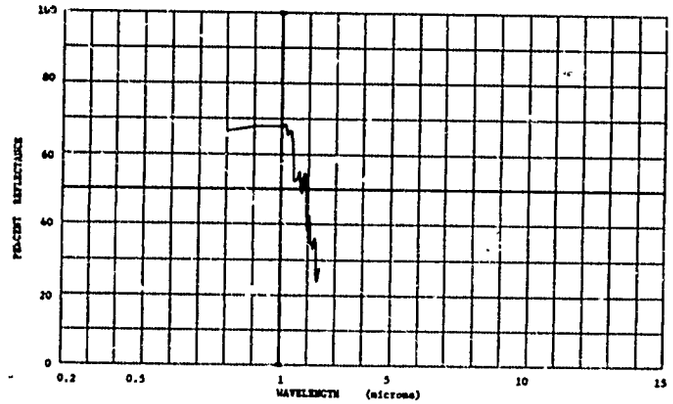
PARAMETER INFORMATION
DATE= 7 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-164 BURR OAK, UPPER LEAF SURFACE, DRIED AND CHLOROPHYLL EXTRACTED WITH ETOH + AC=0.

SUBJECT CODES
0GCEC 0GF0C 0GFF CDA CEC DFAA EFCE DK ECCA ECCB

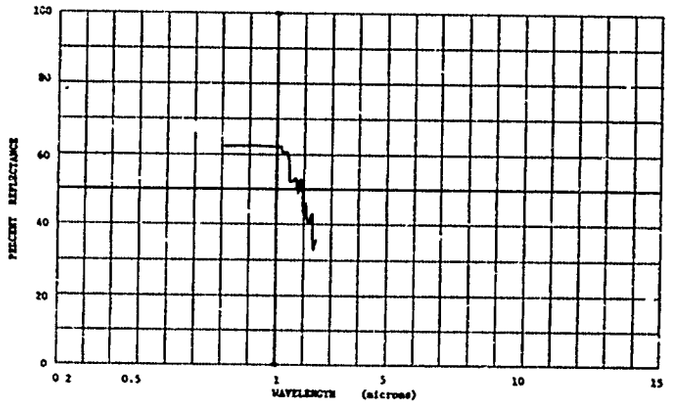
PARAMETER INFORMATION
CATE= 9 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CH= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



820000-165 BURR OAK, UPPER LEAF SURFACE, DRIED AND CHLOROPHYLL EXTRACTED WITH ETOH + AC=0.

SUBJECT CODES
0GCHC 0GF0C 0GFF CDA CEL DFAA EFCE DK ECCA ECCB

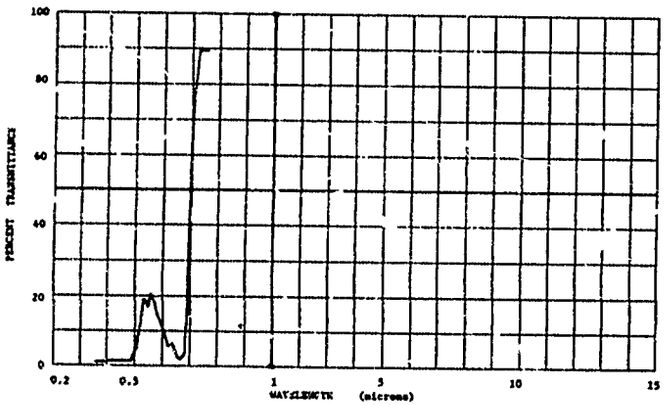
PARAMETER INFORMATION
CATE= 9 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CH= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



820000-173 CHLOROPHYLL EXTRACT, EXTRACTED FROM BURR OAK .

SUBJECT CODES
0GC0C CCA CEC CIA DK ECAC ECB ECCA

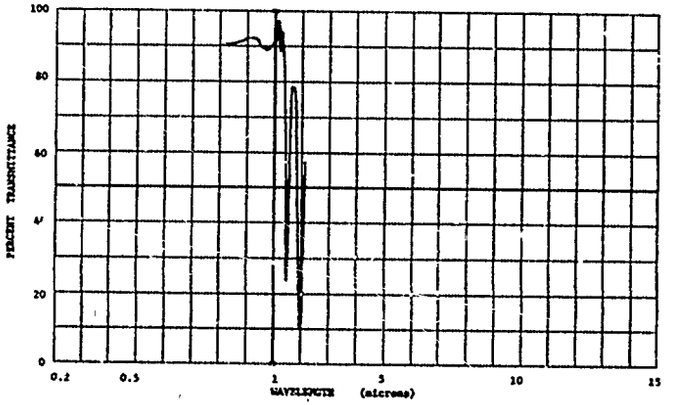
PARAMETER INFORMATION
CATE= 9 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= .0 IAZ= CH= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1



820000-174 CHLOROPHYLL EXTRACT, EXTRACTED FROM BURR OAK .

SUBJECT CODES
0GCBC CCA CEC CIA DK ECAC ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= .0 IAZ= CH= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIND DI= CLO= VIS=
TEPP= DEW PT= N AVE= 1

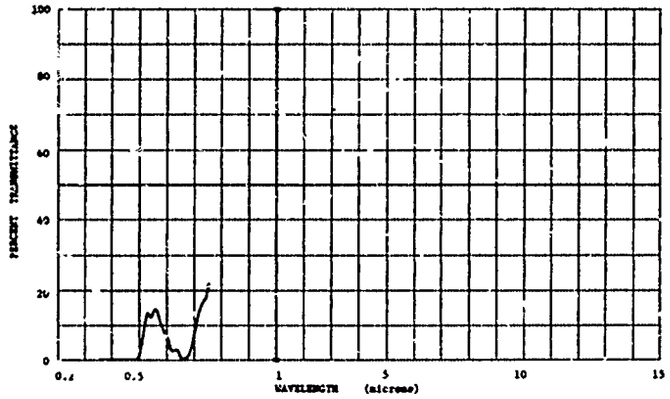


BDD 398

820000-214 CHLOROPHYLL EXTRACT, EXTRACTED FROM BURR OAK.

SUBJECT CODES
EGEBC CEA CEC DIA CK ECAC ECM ECCA

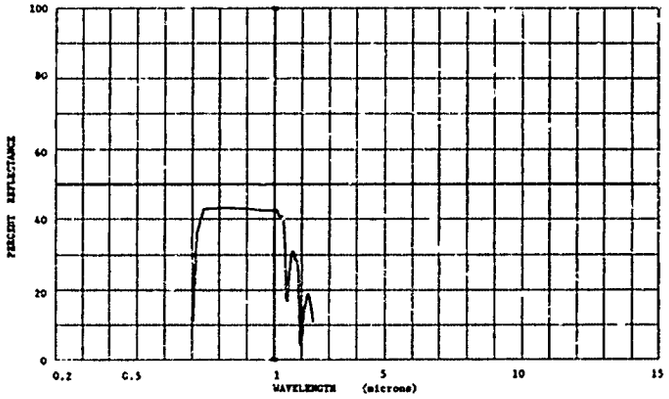
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.C IAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



820000-215 VERY YOUNG BURR OAK LEAF, UPPER SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEBC EGFBC EGFC CDA CEC DFAA CFCE CK ECAC ECB
ECCA

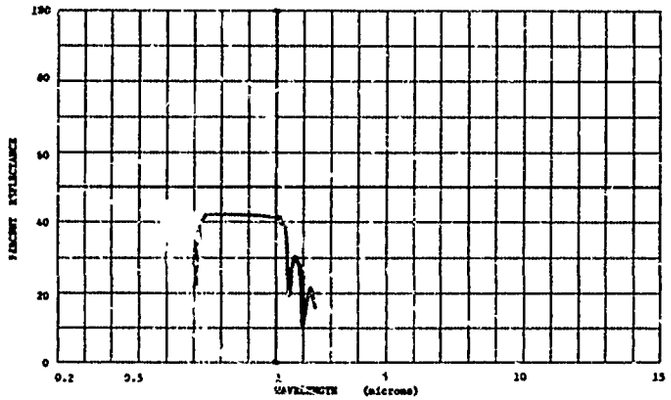
PARAMETER INFORMATION
DATE= 22 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.C IAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



820000-216 VERY YOUNG BURR OAK LEAF, LOWER LEAF SURFACE BEFORE PICKING.

SUBJECT CODES
EGEBC EGFBC EGFC CDA CEC DFAA CFCE CK ECAD ECB
ECCA

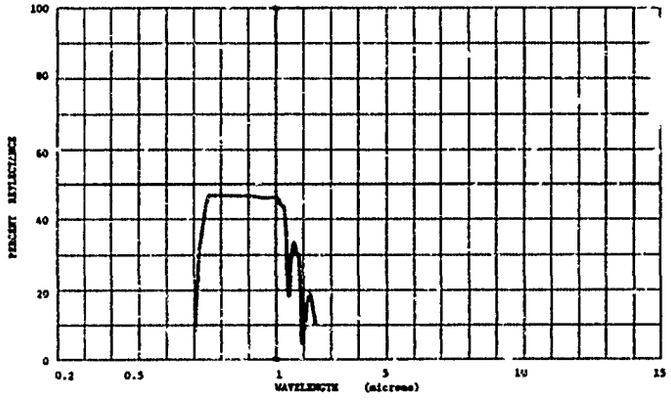
PARAMETER INFORMATION
DATE= 22 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.C IAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



820000-217 OLD BURR OAK LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEBC EGFBC EGFC CDA CEC DFAA CFCE CK ECCA ECCM

PARAMETER INFORMATION
DATE= 22 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.C IAZ= CM= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1

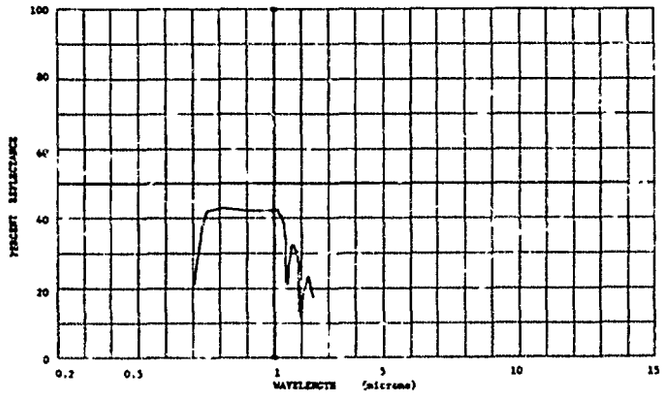


DCD 329

B2C000-268 OLC BURR OAK LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
PGCBC GCFBC BGFE CDA CEC DFAA CFCE DK ECCA ECCB

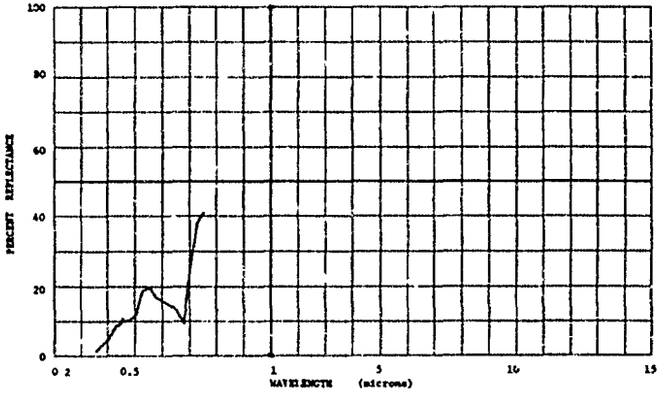
PARAMETER INFORMATION
DATE= 22 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2C000-269 OLC BURR OAK LEAF, LOWER LEAF SURFACE, BEFORE PICKING

SUBJECT CODES
GGCBC GCFBC BGFE CDA CEC DFAA CFCE DK ECAD ECB
ECCA

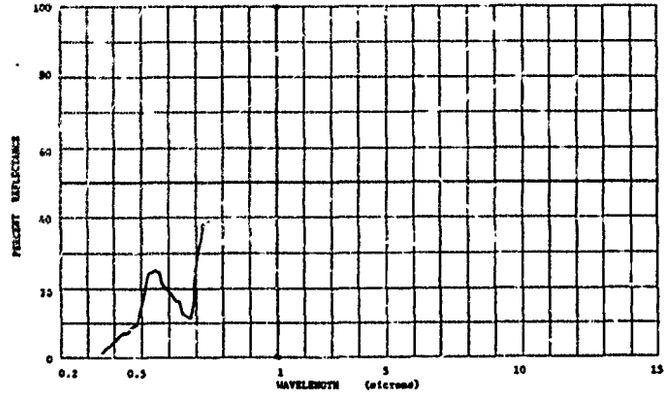
PARAMETER INFORMATION
DATE= 23 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= C
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CCC0-270 YOUNG BURR OAK LEAF, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GCCBC GCFBC BGFC CCA CEC DFAA CFCE DK ECAD ECB
ECCA

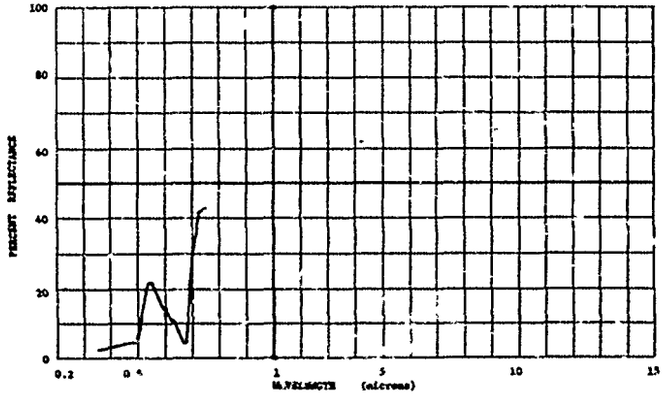
PARAMETER INFORMATION
DATE= 23 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B2CCC0-271 YOUNG BURR OAK LEAF, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGCBC GCFBC BGFC CDA CEC DFAA CFCE DK ECAD ECB
ECCA

PARAMETER INFORMATION
DATE= 23 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

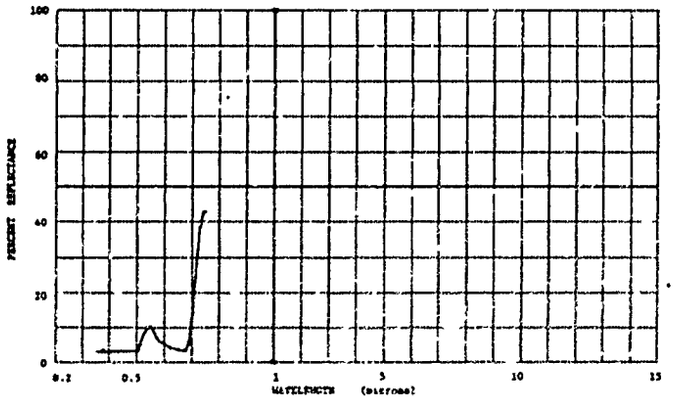


EOD 550

820000-272 OLD BURR OAK LEAF, UPPER SURFACE, BEFORE PICKING.

SUBJECT CODES
BCCBC BCFBC BCFE CDA CEC DFAA DFCE DK ECAD ECB
ECCA

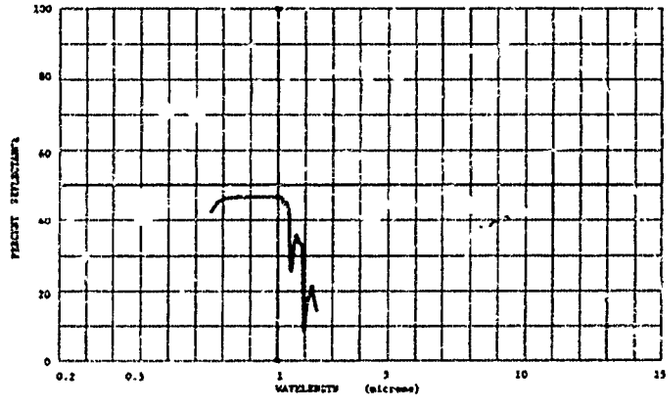
PARAMETER INFORMATION
DATE= 23 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-282 OAK LEAF, UPPER LEAF SURFACE.

SUBJECT CODES
BCCBC BCFBC CDA CEC DFAA DFCE DK ECCA ECCB

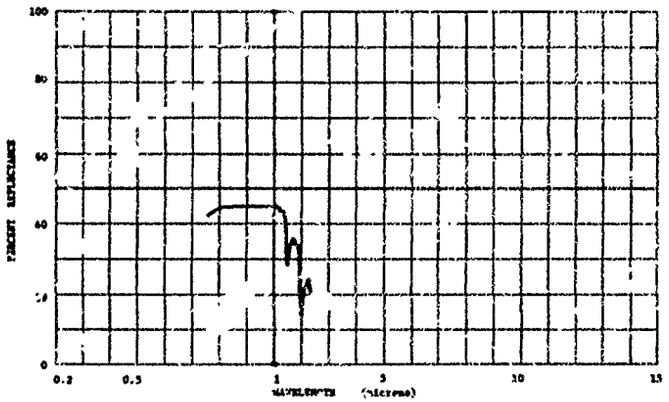
PARAMETER INFORMATION
DATE= 4 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-281 OAK LEAF, LOWER LEAF SURFACE.

SUBJECT CODES
BCCBC BCFBC CDA CEC DFAA DFCE DK ECCA ECCB

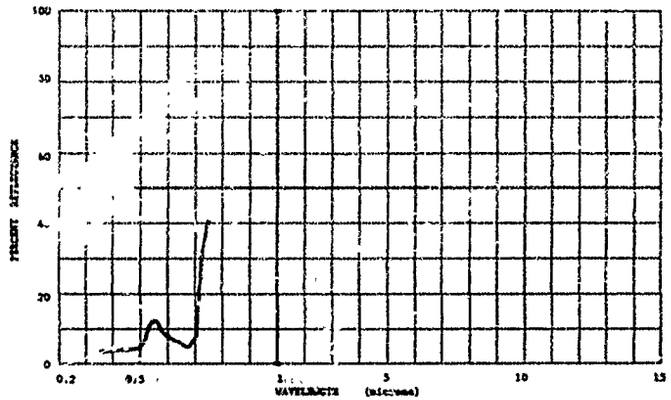
PARAMETER INFORMATION
DATE= 4 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 2



820000-284 BLACK OAK LEAF, UPPER LEAF SURFACE.

SUBJECT CODES
BCCBC BCFBC CDA CEC DFAA DFCE DK ECAD ECB ECCA

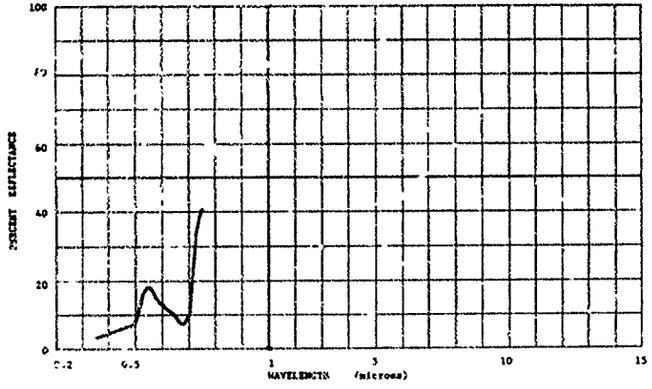
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-285 BLACK OAK LEAF, LOWER LEAF SURFACE.

SUBJECT CODES
BGDBC BCFBC CDA CEC CFAA OFCE CK ECAC ECB ECCA

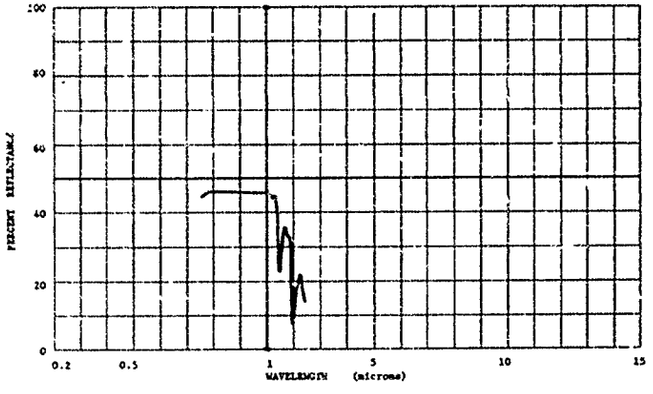
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-286 BLACK OAK LEAF, UPPER LEAF SURFACE.

SUBJECT CODES
BGDBC BCFBC CDA CEC CFAA OFCE CK ECCA ECCB

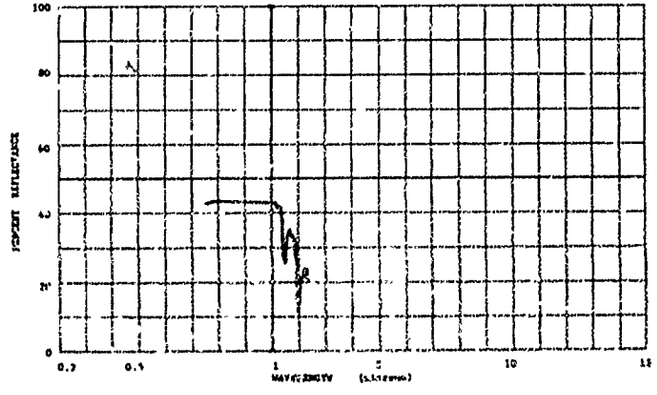
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-287 BLACK OAK LEAF, LOWER LEAF SURFACE.

SUBJECT CODES
BGDBC BCFBC CDA CEC CFAA OFCE CK ECCA ECCB

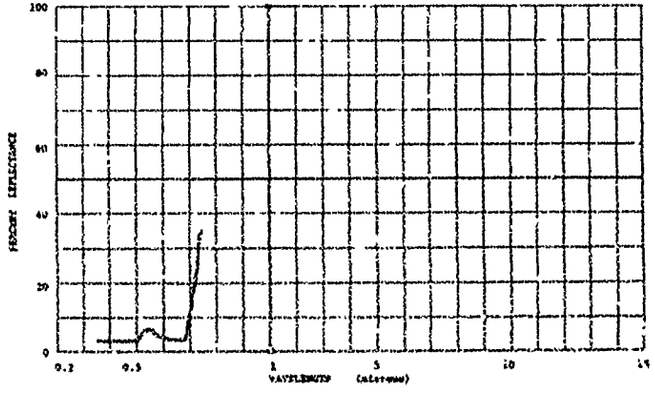
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-288 BLACK OAK LEAF, UPPER SURFACE, 4 HR. AFTER PICKING.

SUBJECT CODES
BGDBC BCFBC CDA CEC CFAA OFCE CK ECAC ECB ECCA

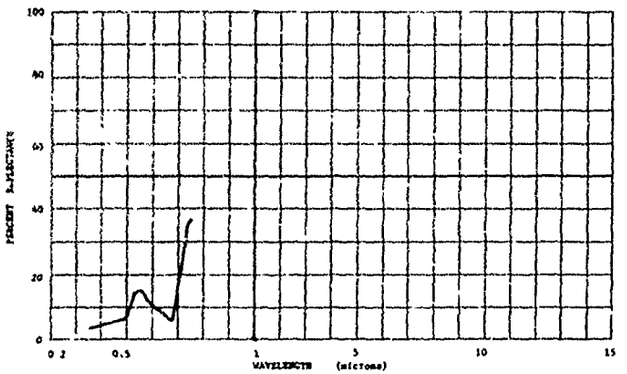
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCDO-289 BLACK OAK LEAF, LOWER SURFACE, 1 HR. AFTER PICKING.

SUBJECT CODES
CCCBC BCFBC CCA CEC EFAA DFCE EK ECAD ECA ECCA

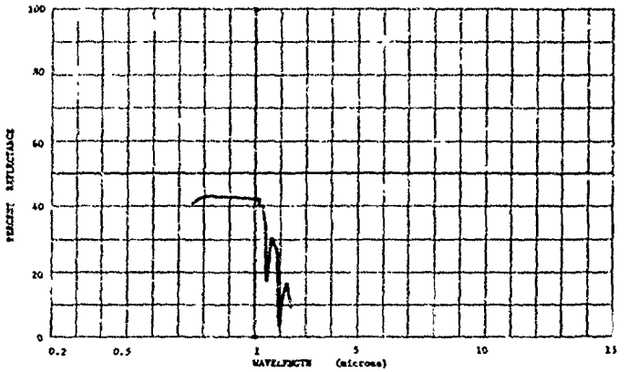
PARAMETER INFORMATION
CATE= 31 7 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= M AVE= 1



82CCDO-290 BLACK OAK LEAF, UPPER SURFACE, 1 HR. AFTER PICKING.

SUBJECT CODES
CCCBC BCFBC CCA CEC EFAA DFCE EK ECCA ECCB

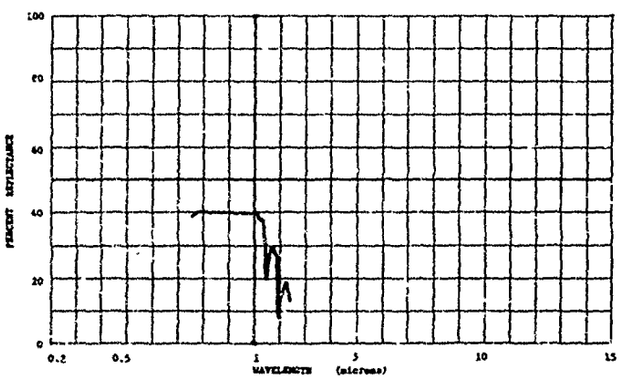
PARAMETER INFORMATION
CA [illegible] 31 7 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= SN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CCC= VIS=
TEMP= DEW [illegible] M AVE= 1



82CCDO-291 BLACK OAK LEAF, LOWER SURFACE, 1 HR. AFTER PICKING.

SUBJECT CODES
CCCBC BCFBC CCA CEC EFAA DFCE EK ECCA ECCB

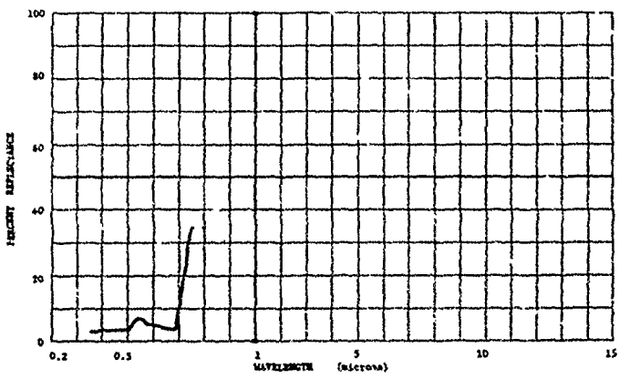
PARAMETER INFORMATION
CATE= 31 7 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLC= VIS=
TEMP= DEW PT= M AVE= 1



82CCDO-292 BLACK OAK LEAF, UPPER SURFACE, EXPOSED TO SUNLIGHT 4 HR.

SUBJECT CODES
CCCBC BCFBC CCA CEC EFAA DFCE EK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 31 7 86 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= M AVE= 1

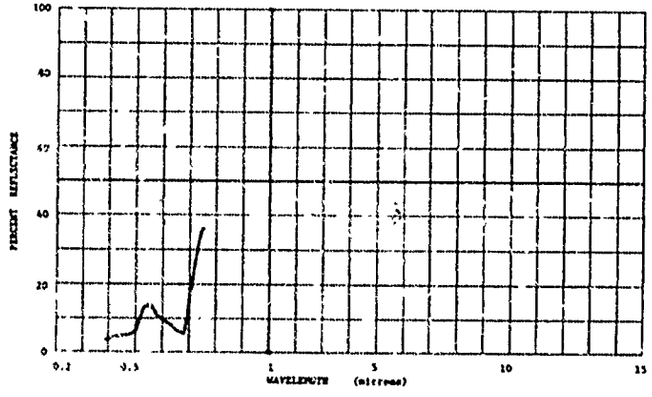


BGD 333

B2CCC0-293 BLACK CAR LEAF, LOWER SURFACE, EXPOSED TO SUNLIGHT 4 HR.

SUBJECT CODES
3CCBC BCFBC CCA CEC CFAA DFCE CK ECAC ECB ECCA

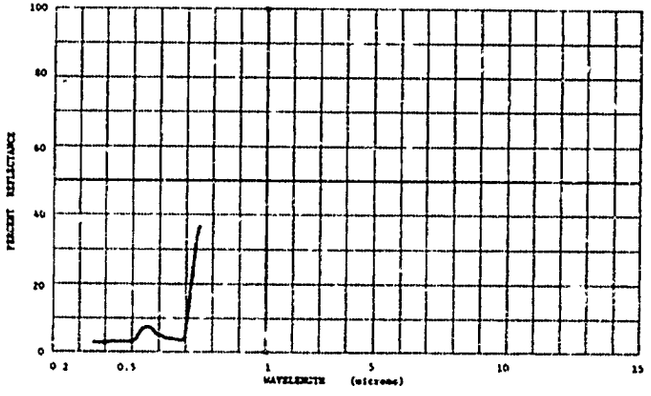
PARAMETER INFORMATION
CATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= A AVE= 1



B2CCC0-294 CAR LEAF, UPPER LEAF SURFACE, 24 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
BCCBC BCFBC CCA CEC CFAA DFCE CK ECAC ECB ECCA

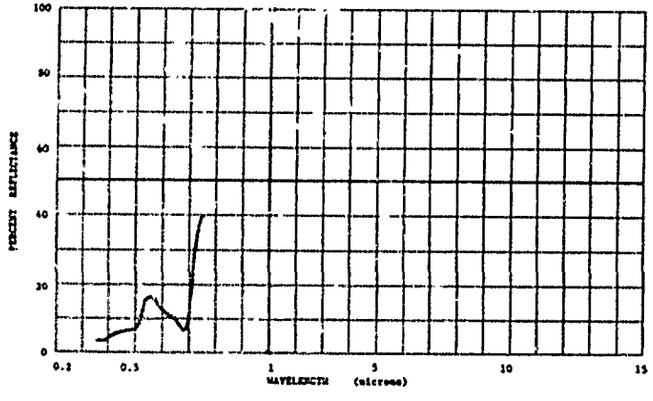
PARAMETER INFORMATION
CATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= A AVE= 1



B2CCC0-295 CAR LEAF, LOWER LEAF SURFACE, 24 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
BCCBC BCFBC CCA CEC CFAA DFCE CK ECAC ECB ECCA

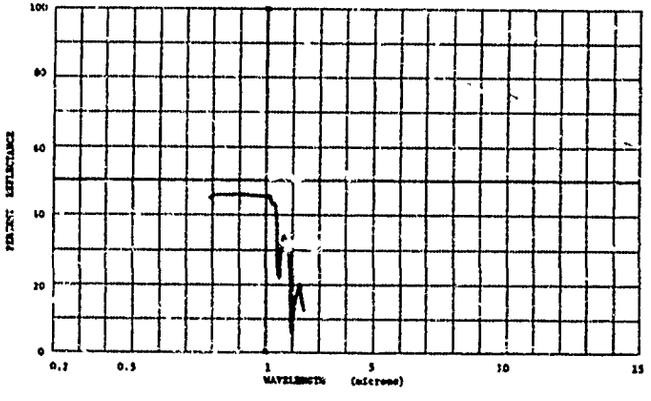
PARAMETER INFORMATION
CATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= A AV= 1



B2CCC0-296 BLACK CAR LEAF, UPPER LEAF SURFACE, 24 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
BCCBC BCFBC CCA CEC CFAA DFCE CK ECCA ECCB

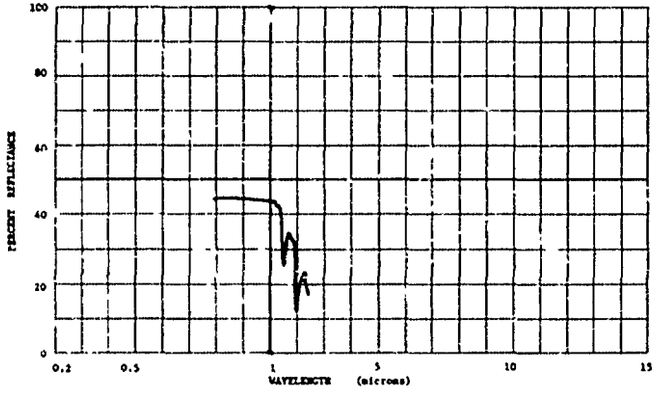
PARAMETER INFORMATION
CATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= DEW PT= A AVE= 1



B20CCO-297 BLACK OAK LEAF, LOWER LEAF SURFACE, 24 HRS.AFTER PICKING, EXPESEE TO SUNLIGHT.

SUBJECT CODES
EGEEC BCFBC CCA CEC CFAA DFCE CK ECCA ECCB

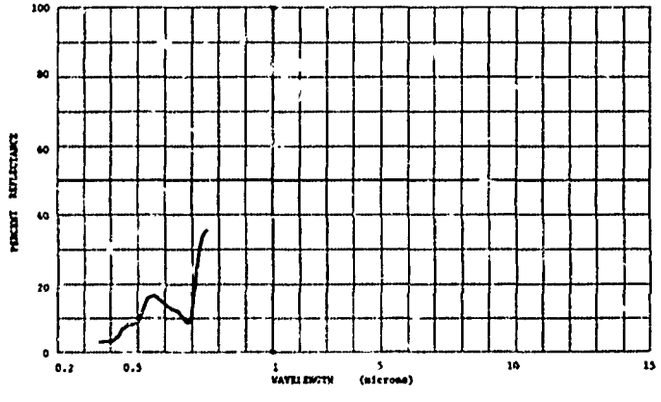
PARAMETER INFORMATION
CATE= 1 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20CCO-298 OAK LEAF, LOWER LEAF SURFACE, BEFORE PICKING, AFTER 48 HRS. EXPOSURE TO OUTSIDE WEATHER.

SUBJECT CODES
EGEJA BCFBC CCA CEC CFAA E CK ECAD ECB ECCA

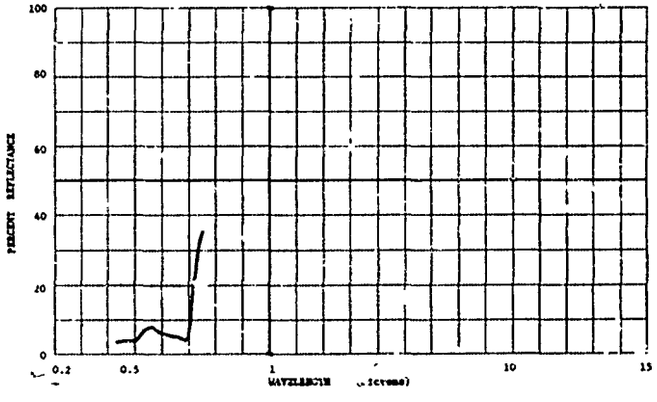
PARAMETER INFORMATION
CATE= 2 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20CCO-299 OAK LEAF, UPPER LEAF SURFACE, BEFORE PICKING, AFTER 48 HRS. EXPOSURE TO OUTSIDE WEATHER.

SUBJECT CODES
EGEJA BCFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

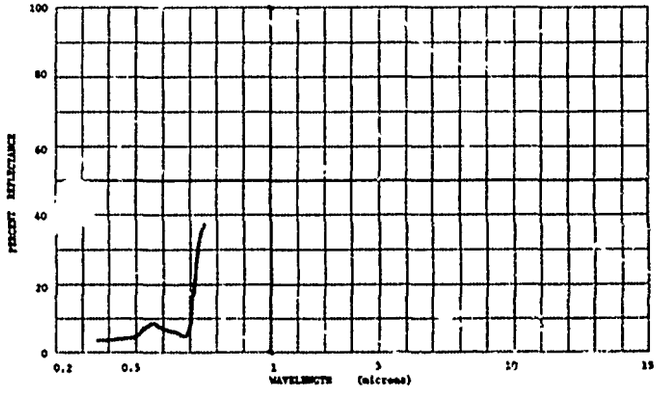
PARAMETER INFORMATION
CATE= 2 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20CCO-300 OAK LEAF, UPPER LEAF SURFACE, AFTER PICKING, AFTER 48 HRS. EXPOSURE TO OUTSIDE WEATHER.

SUBJECT CODES
EGEGC BCFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
CATE= 2 E 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

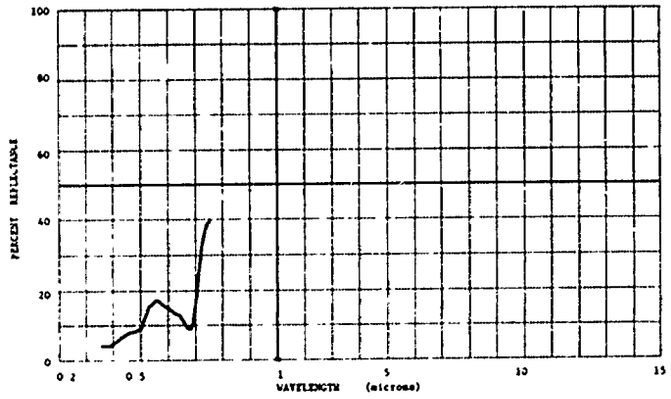


BCD 335

82COCO-3C1 OAK LEAF, LCWER LEAF SURFACE, AFTER PICKING, AFTER 48 HRS. EXPCSURE TO CUTSIDE WEATHER.

SLBJECT CCCES
RCCBC RCFBC CCA CEL CFAA DFCE CK CCAC ECN ECCA

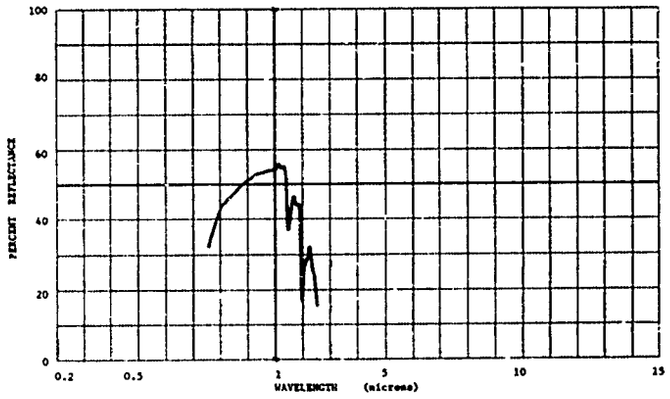
PARAMETER INFCRMATICN
CATE= 2 E 6C TIME= LAT= LCNG= ALT= RANGE=
CAYS RE= 2 IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= CEN PT= N AVE= 1



82COCO-302 BLACK CAK LEAF, BLEACHED AND DRIED.

SLBJECT CCCES
RCCBC RCFP CCA CEC CFAA DFCE CK CCCA ECCB

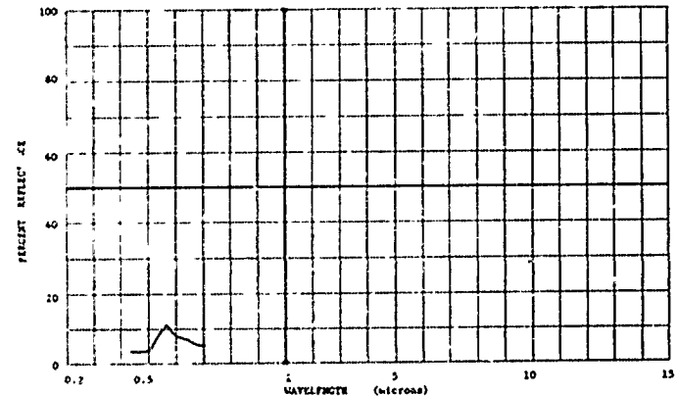
PARAMETER INFCRMATICN
CATE= 12 E 6C TIME= LAT= LCNG= ALT= RANGE=
CAYS RE= C IN= 3.C IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= CEN PT= N AVE= 1



801761-019 CATALPA, CATALPA BIGNONIOICES, UPPER LEAF SURFACE.

SLBJECT CCC'S
PLCCA E BE CC CEC CFA DFCC CK CCC

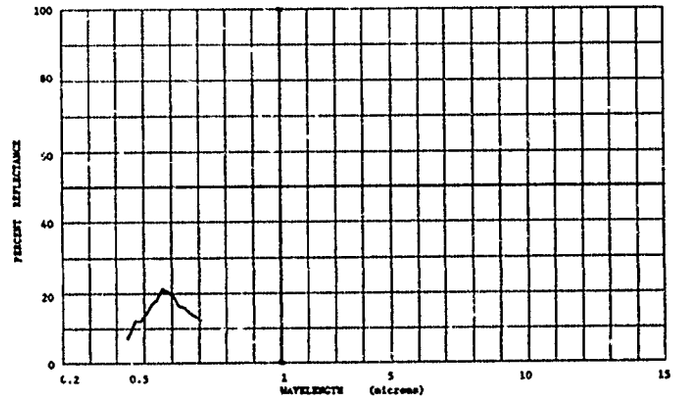
PARAMETER INFCRMATICN
CATE= 25 TIME= LAT= LCNG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .C CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= CEN PT= N AVE= 1



801761-020 CATALPA, CATALPA BIGNONIOICES, LOWER LEAF SURFACE.

SLBJECT CCCES
RFCCA RCFBC CC CEC CFA DFCC CK ECA

PARAMETER INFCRMATICN
CATE= 25 TIME= LAT= LCNG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .C CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLC= VIS=
TEPP= CEN PT= N AVE= 1

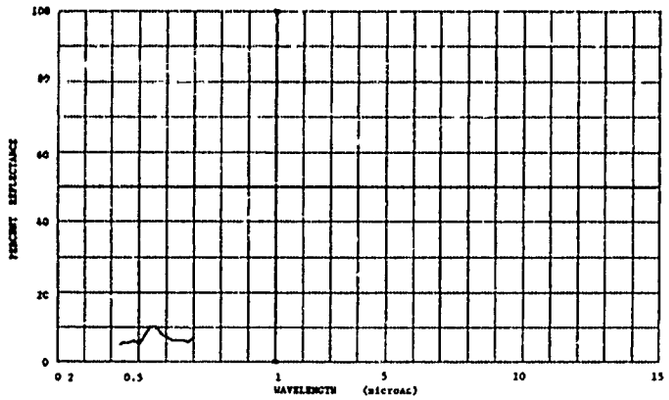


BCD 336

801761-001 AMERICAN ELM, ULMUS AMERICANA, UPPER LEAF SURFACE.

SUBJECT CODES
EGCJA ECFBC CC CEC CPA DFCC CK ECB

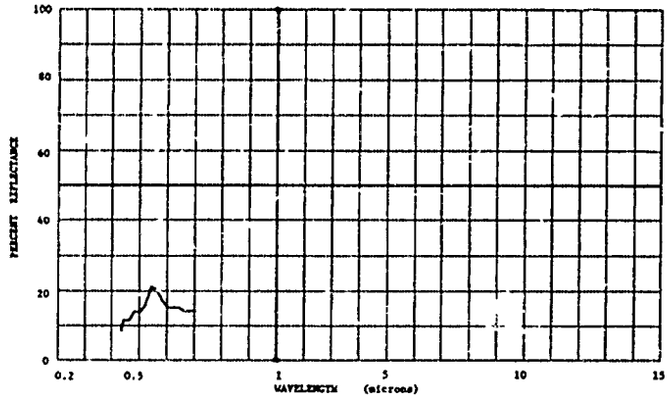
PARAMETER INFORMATION
CATE= 25 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-002 AMERICAN ELM, ULMUS AMERICANA, LOWER LEAF SURFACE.

SUBJECT CODES
EGCJA ECFBC CD CEC CPA DFCC CK ECB

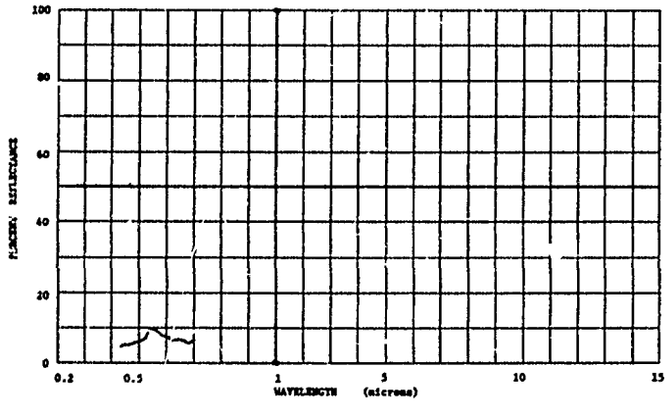
PARAMETER INFORMATION
CATE= 25 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-003 AMERICAN ELM, ULMUS AMERICANA, UPPER LEAF SURFACE.

SUBJECT CODES
EGCJA ECFBC CC CEC CPA DFCC CK ECB

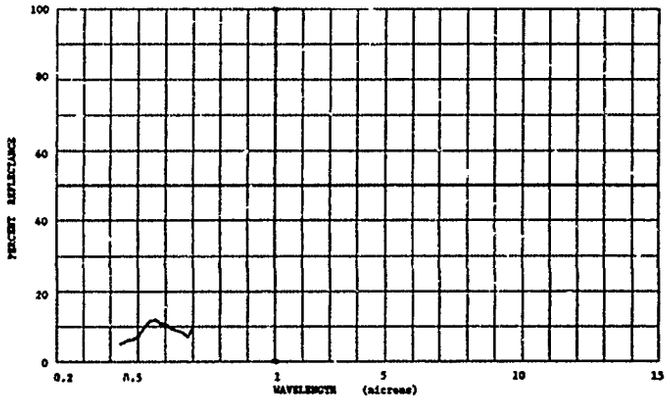
PARAMETER INFORMATION
CATE= 25 TIME= LAT= 43.0 N LONG= 94.C W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-004 AMERICAN ELM, ULMUS AMERICANA, LOWER LEAF SURFACE.

SUBJECT CODES
EGCJA ECFBC CC CEC CPA DFCC CK ECB

PARAMETER INFORMATION
CATE= 25 TIME= LAT= 43.C N LONG= 94.C W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

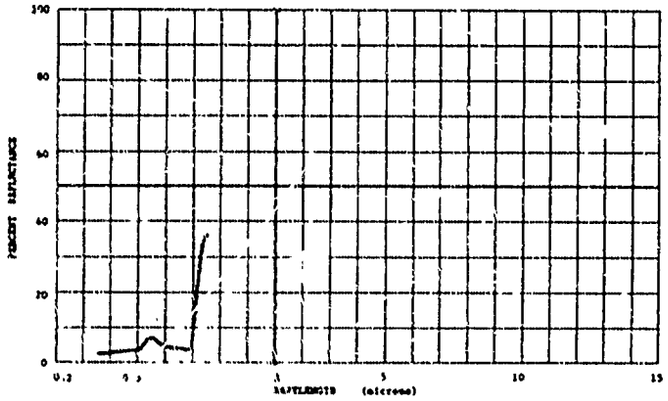


RCD 551

820000-303 ELM LEAF, UPPER SURFACE, FRESHLY PICKED.

SUBJECT CODES
BGCJA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

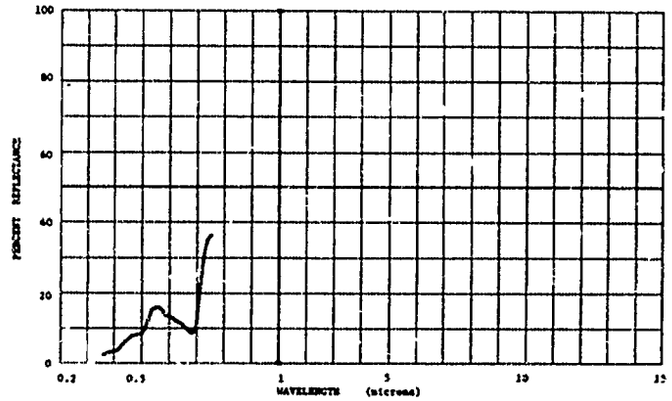
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



820000-304 ELM LEAF, LOWER SURFACE, FRESHLY PICKED.

SUBJECT CODES
BGCJA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

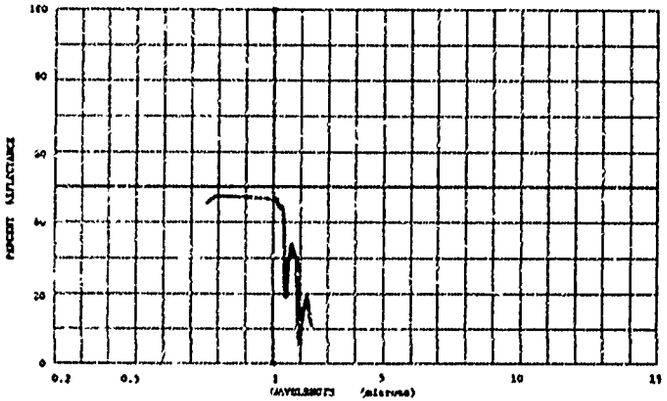
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



820000-305 ELM LEAF, UPPER SURFACE, FRESHLY PICKED.

SUBJECT CODES
BGCJA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

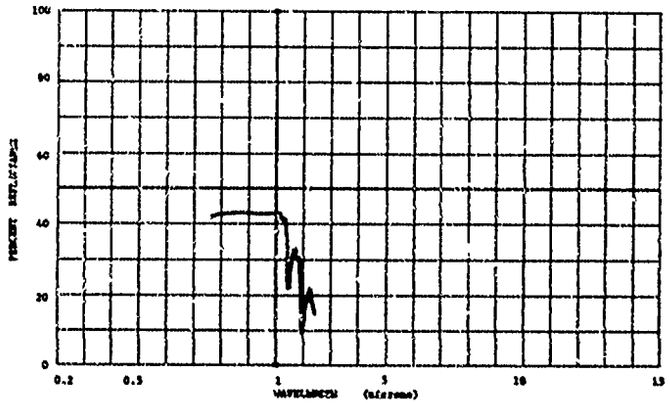
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



820000-306 ELM LEAF, LOWER SURFACE, FRESHLY PICKED.

SUBJECT CODES
BGCJA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

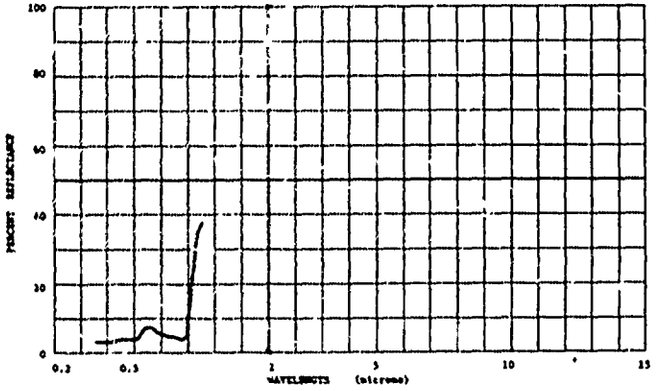
PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



020000-307 ELM LEAF, UPPER SURFACE, EXPOSED TO SUNLIGHT 4 HR.

SUBJECT CODES
EGCJA EGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

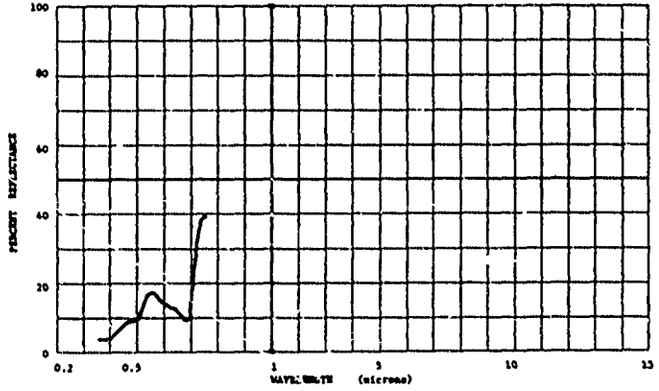
PARAMETER INFORMATION
DATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-308 ELM LEAF, LOWER SURFACE, EXPOSED TO SUNLIGHT 4 HR.

SUBJECT CODES
EGCJA EGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

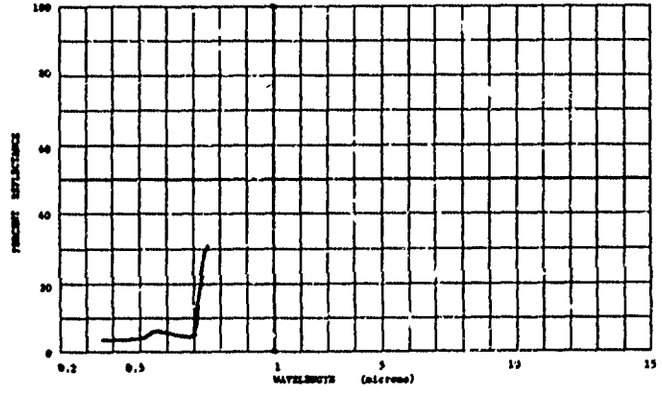
PARAMETER INFORMATION
DATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-309 ELM LEAF, UPPER LEAF SURFACE, 26 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
EGCJA EGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

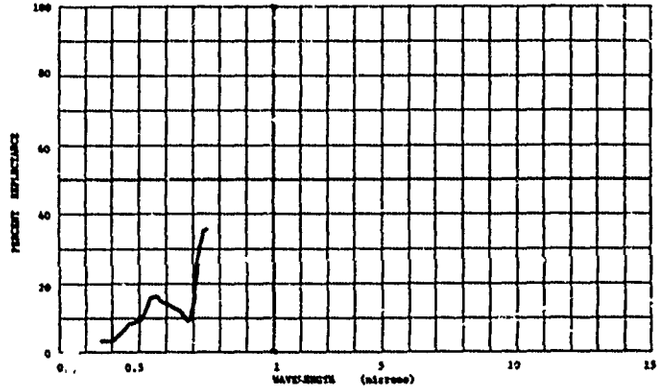
PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 1.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



020000-310 ELM LEAF, LOWER LEAF SURFACE, 26 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
EGCJA EGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

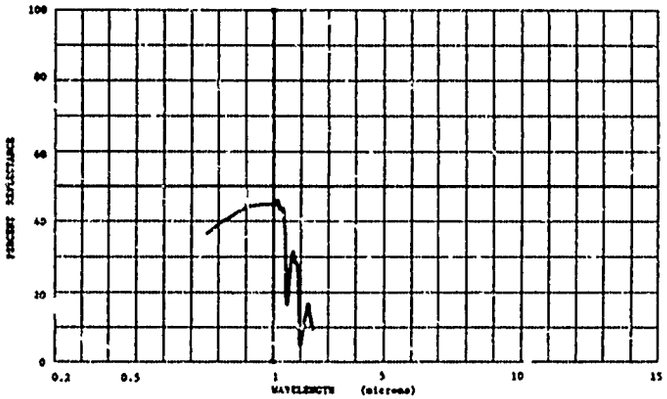
PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-311 ELM LEAF, UPPER LEAF SURFACE, 26 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
BCDJA BCFBC CDA CED CFAA DFCE DK ECCA ECCB

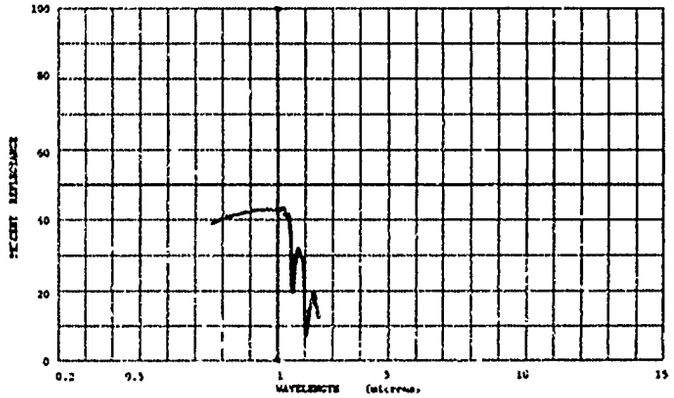
PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-312 ELM LEAF, LOWER LEAF SURFACE, 26 HRS.AFTER PICKING, EXPOSED TO SUNLIGHT.

SUBJECT CODES
BCDJA BCFBC CDA CED CFAA DFCE DK ECCA ECCB

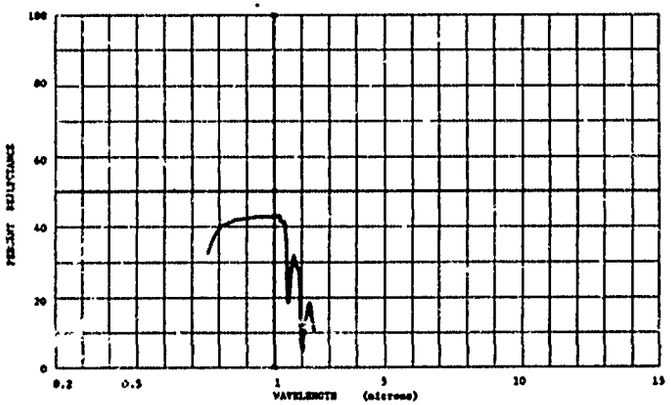
PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-313 ELM, UPPER LEAF SURFACE, AFTER 48 HOURS EXPOSURE TO OUTSIDE WEATHER.

SUBJECT CODES
BCDJA BCFBC CDA CED CFAA DFCE DK ECCA ECCB

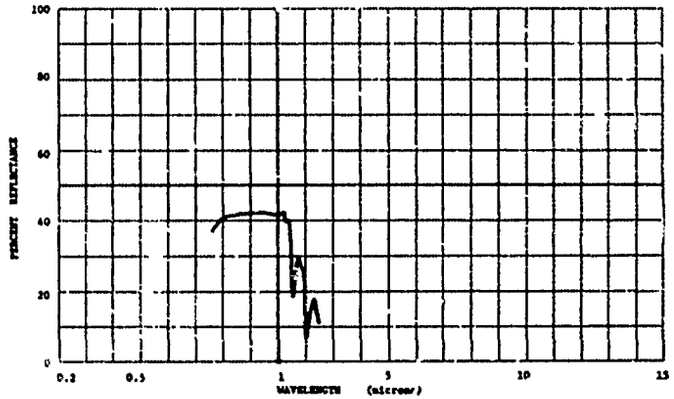
PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-314 ELM, LOWER LEAF SURFACE, AFTER 48 HOURS EXPOSURE TO OUTSIDE WEATHER.

SUBJECT CODES
BCDJA BCFBC CDA CED CFAA DFCE DK ECCA ECCB

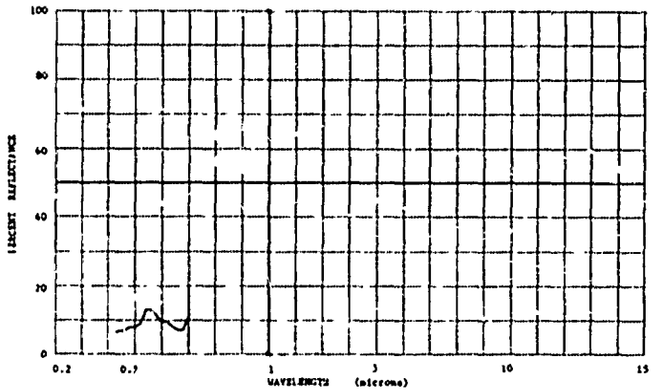
PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-048 MULLEIN, VERBASCUM THAPSUS, UPPER LEAF SURFACE.

SUBJECT CODES
PGEN PGPBC CC CEC CPA DPCC CK ECN

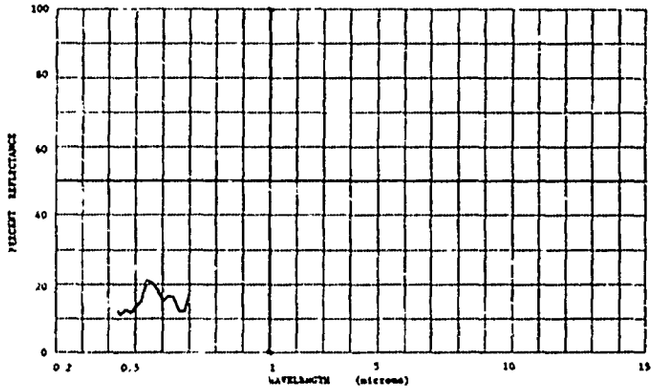
PARAMETER INFORMATION
CAIE= 25 TIME= LAT= 39.C N LONG= 83.0 W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TEEPP= bINC SP= bIND DI= CLC= VIS=
TEPP= CEN PT= A AVE= 1



801761-049 MULLEIN, VERBASCUM THAPSUS, LOWER LEAF SURFACE.

SUBJECT CODES
PGEN PGPBC CC CEC CPA DPCC CK ECN

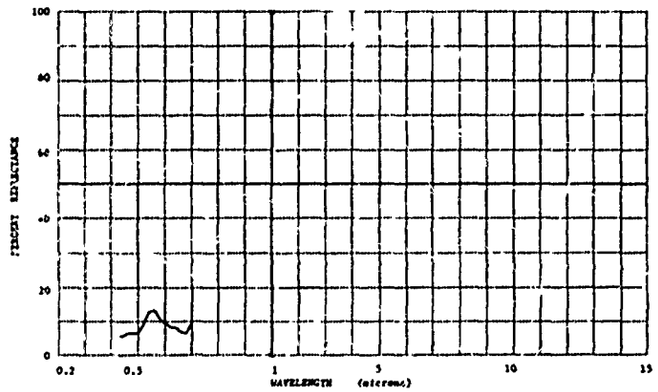
PARAMETER INFORMATION
CAIE= 25 TIME= LAT= 39.C N LONG= 83.C W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .C CAZ= IRR= E
COST= TEEPP= bINC SP= bIND DI= CLC= VIS=
TEPP= CEN PT= A AVE= 1



801761-050 MULLEIN, VERBASCUM THAPSUS, UPPER LEAF SURFACE.

SUBJECT CODES
PGEN PGPBC CC CEC CPA DPCC CK ECN

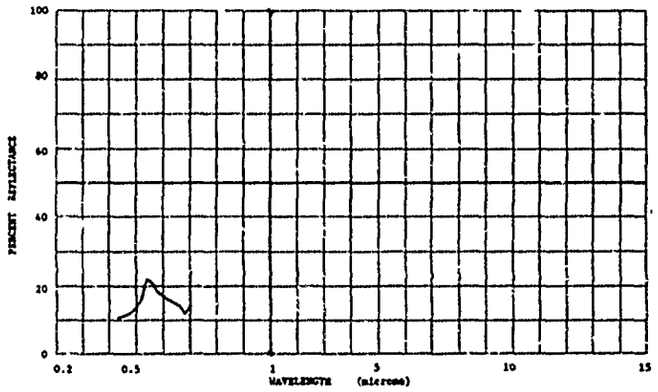
PARAMETER INFORMATION
CAIE= 25 TIME= LAT= 43.C N LONG= 94.C W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .C CAZ= IRR= E
COST= TEEPP= bINC SP= bIND DI= CLC= VIS=
TEPP= CEN PT= A AVE= 1



801761-051 MULLEIN, VERBASCUM THAPSUS, LOWER LEAF SURFACE.

SUBJECT CODES
PGEN PGPBC CC CEC CPA DPCC CK ECN

PARAMETER INFORMATION
CAIE= 25 TIME= LAT= 43.C N LONG= 94.C W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .C CAZ= IRR= E
COST= TEEPP= bINC SP= bIND DI= CLC= VIS=
TEPP= CEN PT= A AVE= 1

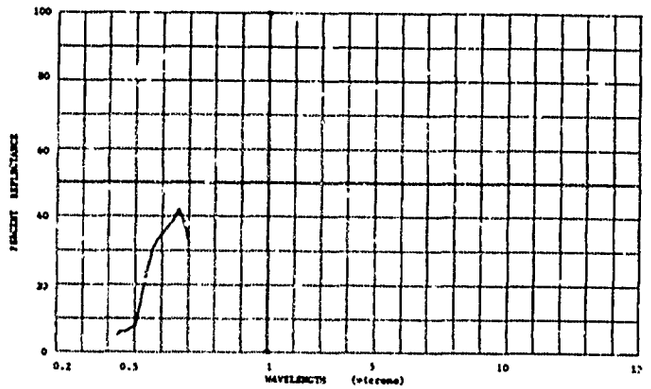


BOD 141

801761-068 WHITE BIRCH, BETULA ALBA, UPPER LEAF SURFACE.

SUBJECT CODES
BGCLB BGFBC BGFE CC CEC CFA CFCD DK ECB

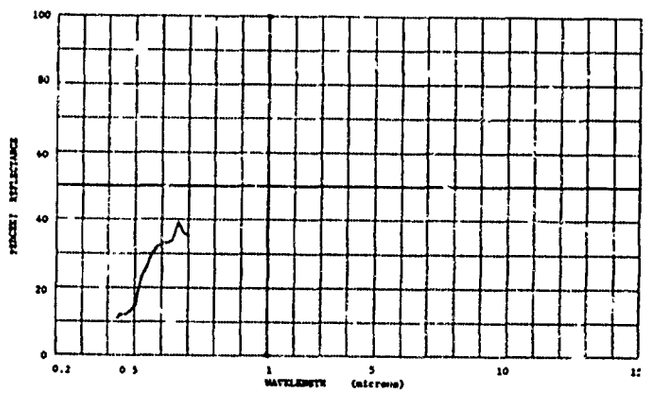
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-067 WHITE BIRCH, BETULA ALBA, LOWER LEAF SURFACE.

SUBJECT CODES
BGCLB BGFBC BGFE CD CEC DFA CFCD DK ECB

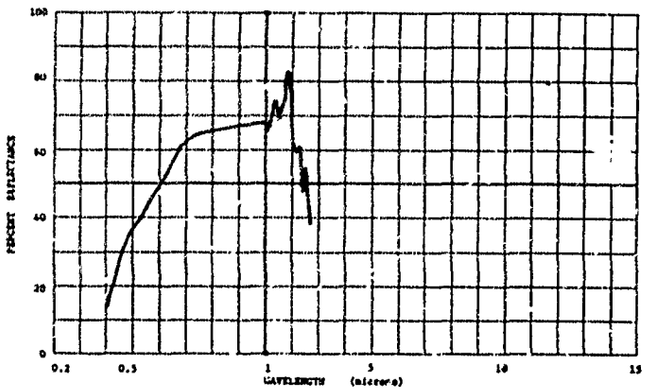
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804803-026 MACRONE LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
BGCP BGFE CD CEC CI DK ECB ECCA ECCB

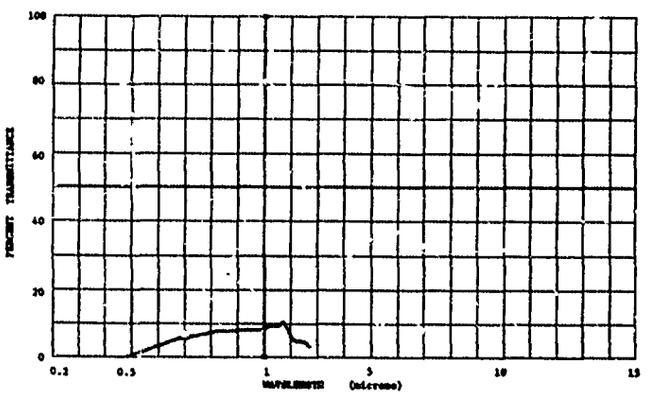
PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804803-027 MACRONE LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
BGCP BGFE CD CEC CI DK ECB ECCA ECCB

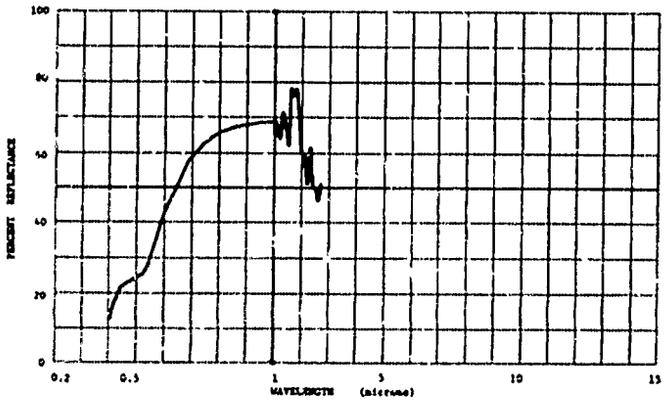
PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804003-029 MAGNOLIA LEAVES, NEWLY FALLEN, UPPER LEAF SURFACE.

SUBJECT CODES
DGEP DEPE CO CEC CI DK ECO ECCA ECCB

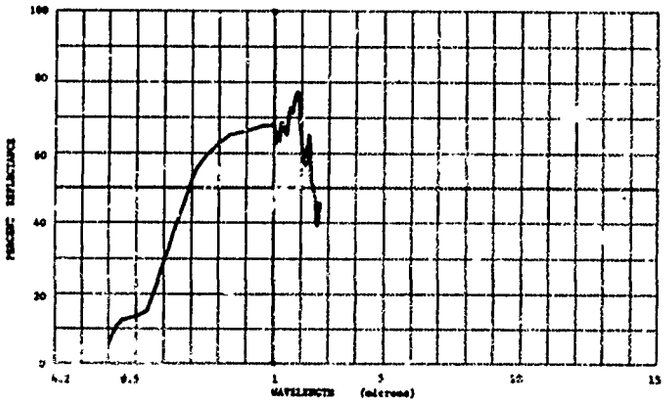
PARAMETER INFORMATION
CATE= S2 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804003-030 MAGNOLIA LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
DGEP DEPE CO CEC CI DK ECO ECCA ECCB

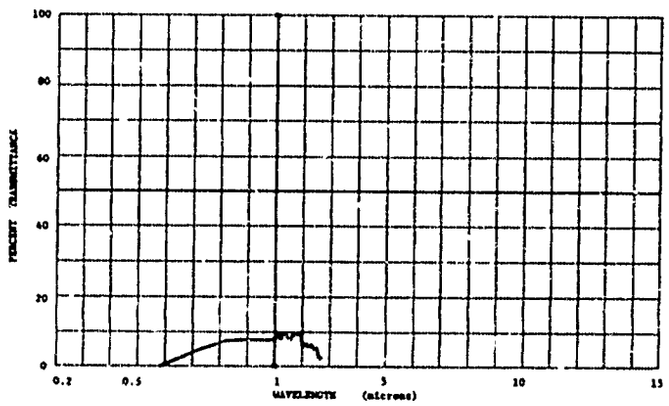
PARAMETER INFORMATION
CATE= S2 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804003-029 MAGNOLIA LEAVES, NEWLY FALLEN, UPPER LEAF SURFACE.

SUBJECT CODES
DGEP DEPE CO CEC CI DK ECO ECCA ECCB

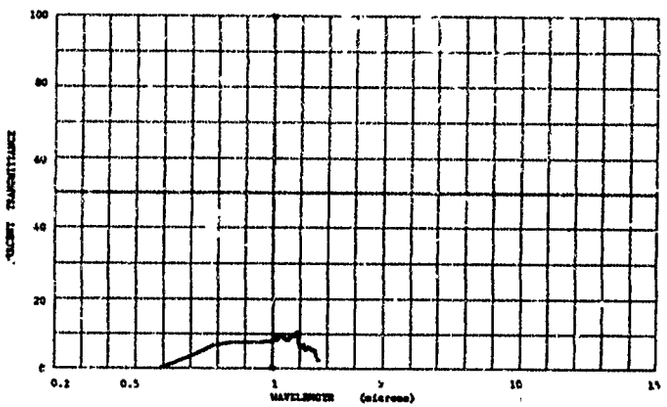
PARAMETER INFORMATION
CATE= S2 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



804003-030 MAGNOLIA LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
DGEP DEPE CO CEC CI DK ECO ECCA ECCB

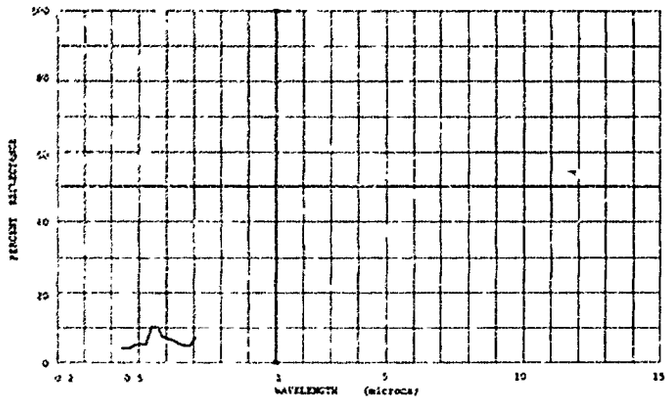
PARAMETER INFORMATION
CATE= S2 TIPE= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-023 SASSAFRAS, SASSAFRAS VARIIFOLIUM, UPPER LEAF SURFACE.

SUBJECT CODES
BGDFB BGFBC CD CEC CFA DFCD DK ECB

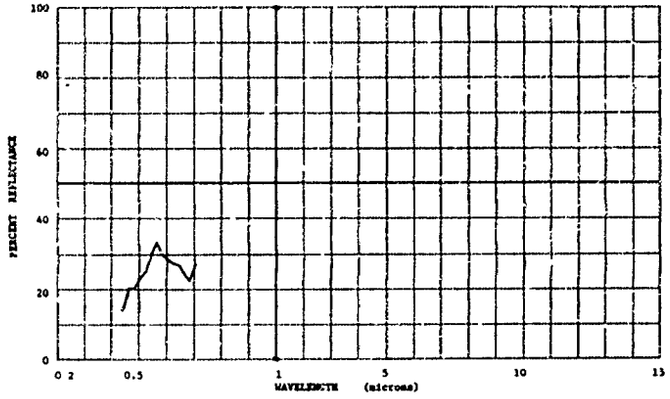
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-024 SASSAFRAS, SASSAFRAS VARIIFOLIUM, LOWER LEAF SURFACE.

SUBJECT CODES
BGDFB BGFBC CD CEC CFA DFCD DK ECB

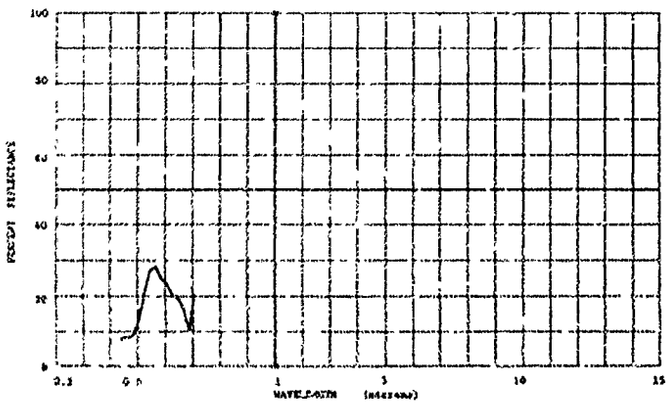
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-037 BASSWOOD, TILIA AMERICANA, YOUNG, UPPER LEAF SURFACE.

SUBJECT CODES
BGDFA BGFBC BGFC CD CEC CFA DFCD DK ECB

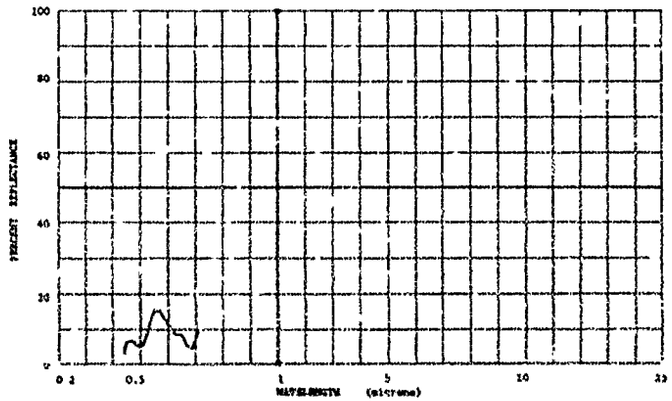
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-038 BASSWOOD, TILIA AMERICANA, MEDIUM, UPPER LEAF SURFACE.

SUBJECT CODES
BGDFA BGFBC BGFC CD CEC CFA DFCD DK ECB

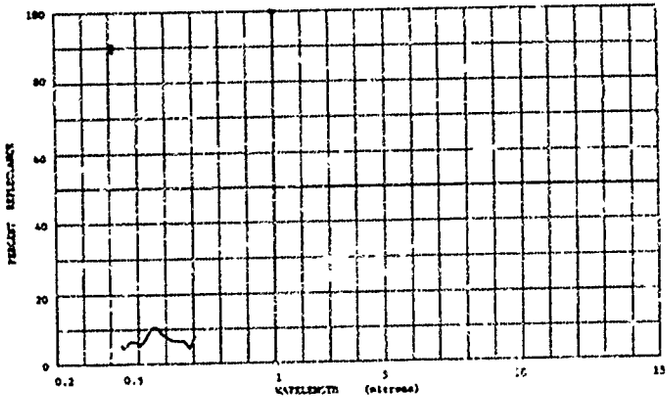
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



BC1761-039 BASSWOOD, TILIA AMERICANA, OLD, UPPER LEAF SURFACE.

SUBJECT CODES
BGCAA BGFBE BGYC CC CEC CFA CFCD CK ECB

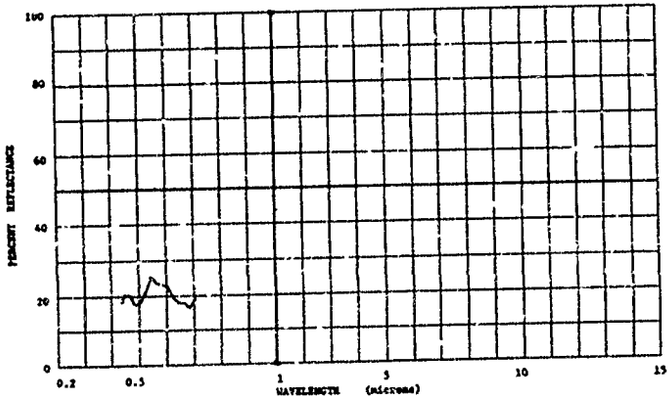
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1761-016 MAGNOLIA, MAGNOLIA ACUMINATA, LOWER LEAF SURFACE.

SUBJECT CODES
BGCF BGFBE CC CEC CFA CFCD CK ECB

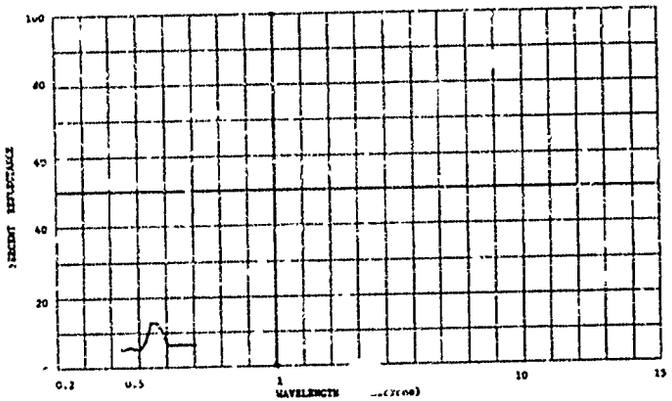
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1761-015 MAGNOLIA, MAGNOLIA ACUMINATA, UPPER LEAF SURFACE.

SUBJECT CODES
BGCF BGFBE CC CEC CFA CFCD CK ECB

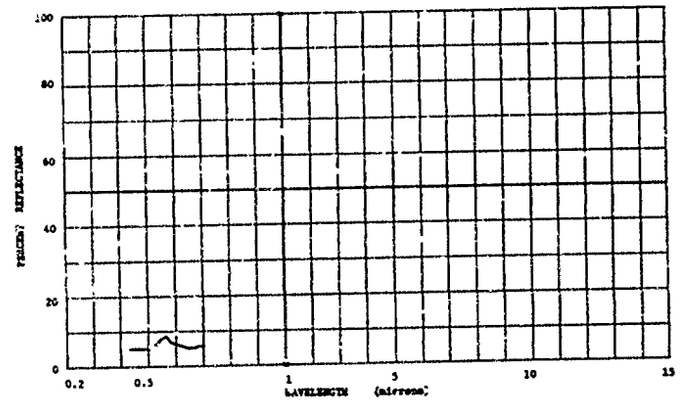
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



BC1761-005 MAPLE, ACER PLATANOIDES, UPPER LEAF SURFACE.

SUBJECT CODES
BGCLF BGFBE CC CEC CFA CFCD CK ECB

PARAMETER INFORMATION
CATE= 29 TIME= LAT= 39.0 N LONG= 33.0 W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

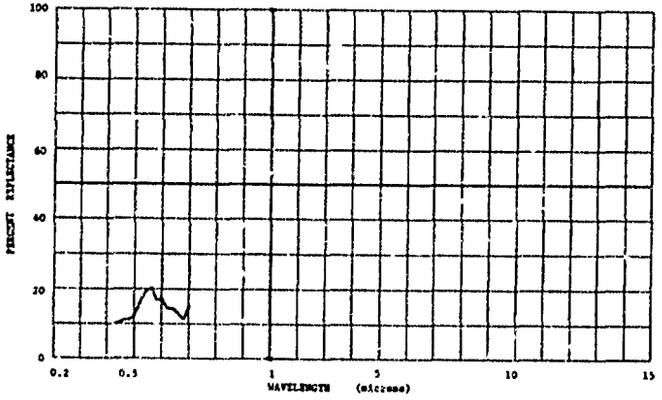


BGD 345

801761-006 MAPLE, ACER PLATANOIDES, LOWER LEAF SURFACE.

SUBJECT CODES
BGCLA BGFBC CD CEC CFA DFCC CK ECH

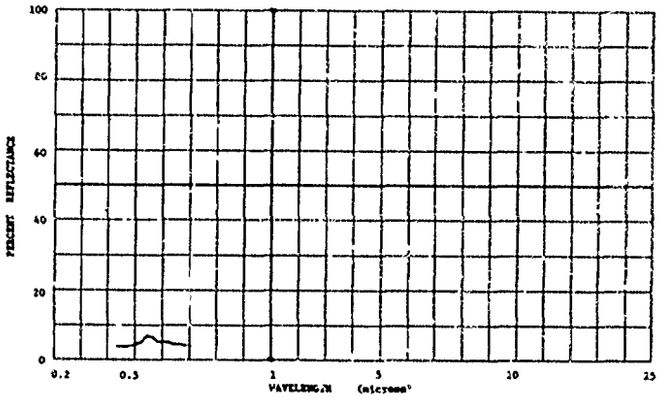
PARAMETER INFORMATION
DATE= 25 TIME= LAT= 38.0 N LONG= 83.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-007 MAPLE, ACER PLATANOIDES, UPPER LEAF SURFACE.

SUBJECT CODES
BGCLA BGFBC CD CEC CFA DFCC CK ECH

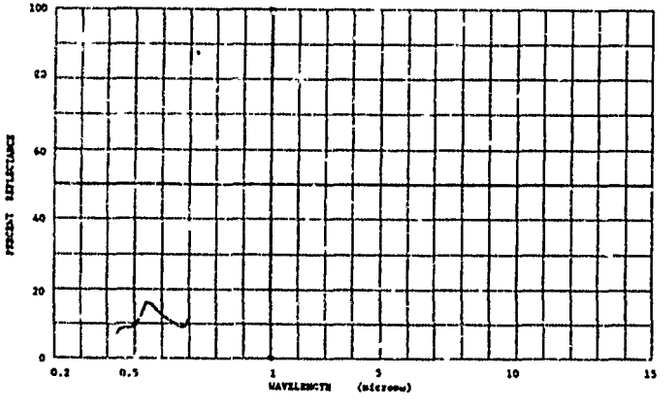
PARAMETER INFORMATION
DATE= 25 TIME= LAT= 43.0 N LONG= 94.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-008 MAPLE, ACER PLATANOIDES, LOWER LEAF SURFACE.

SUBJECT CODES
BGCLA BGFBC CD CEC CFA DFCC CK ECB

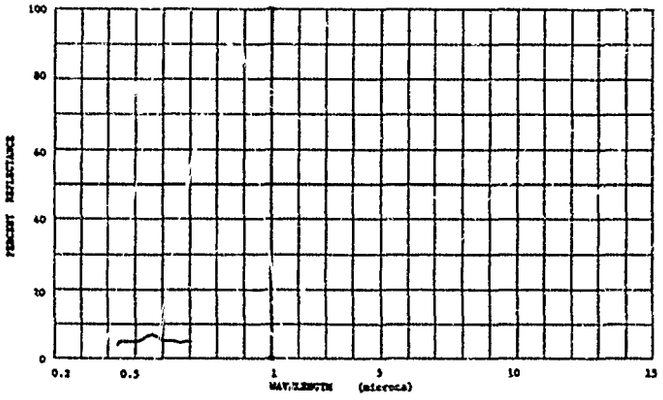
PARAMETER INFORMATION
DATE= 25 TIME= LAT= 43.0 N LONG= 94.0 W ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-063 MAPLE, ACER PALMATUM ATROPURPUREUM, UPPER LEAF SURFACE.

SUBJECT CODES
BGCLA BGFBC CD CEC CFA DFCC CK ECB

PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

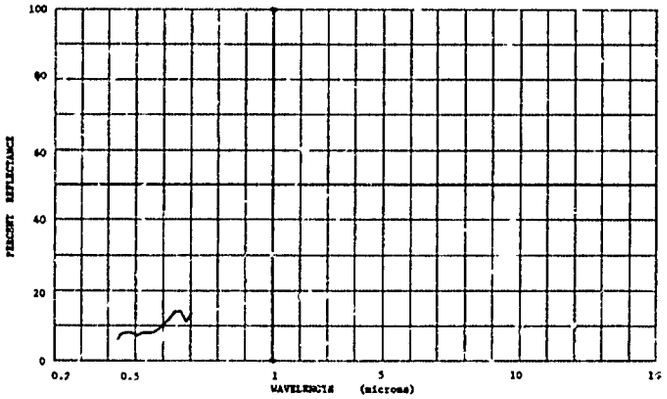


BGD 340

801761-064 MAPLE, ACER PALMATUM ATROPURPUREUM, LOWER LEAF SURFACE.

SUBJECT CODES
BGCUA BGFBC CD CEC CFA DFCD CK ECB

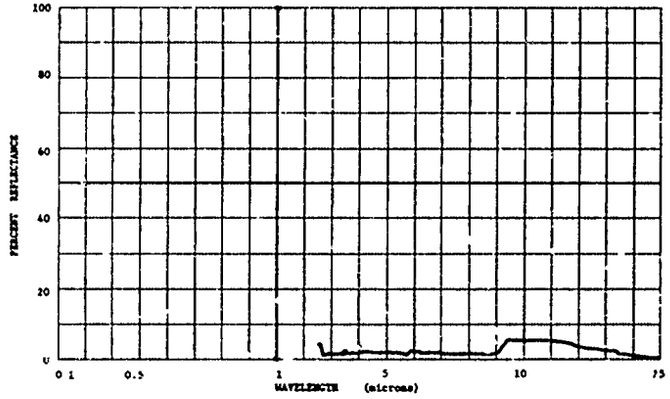
PARAMETER INFORMATION
DATE= . 29 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-016 SUGAR MAPLE.

SUBJECT CODES
BGCUA BGF CD CEC CFAA DK ECCB ECCC ECCD ECCE

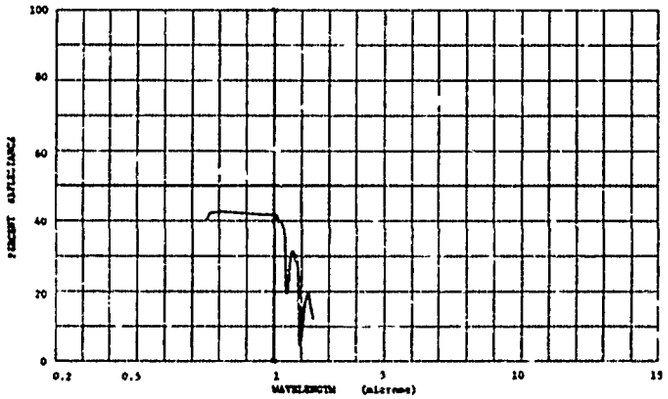
PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820090-193 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCUA BGFBC CCA CEC CFAA DFCE CK ECCA ECCD

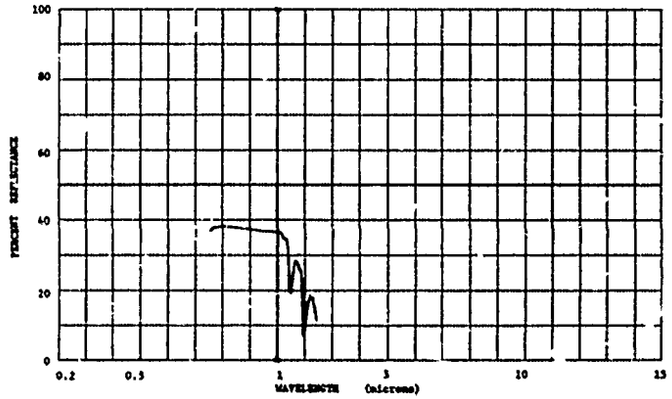
PARAMETER INFORMATION
DATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-194 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCUA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

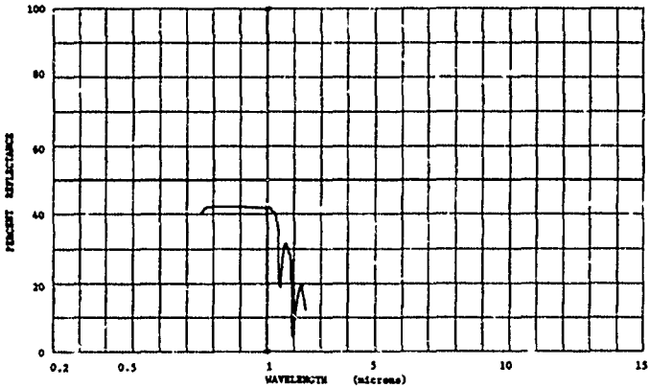
PARAMETER INFORMATION
DATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-195 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

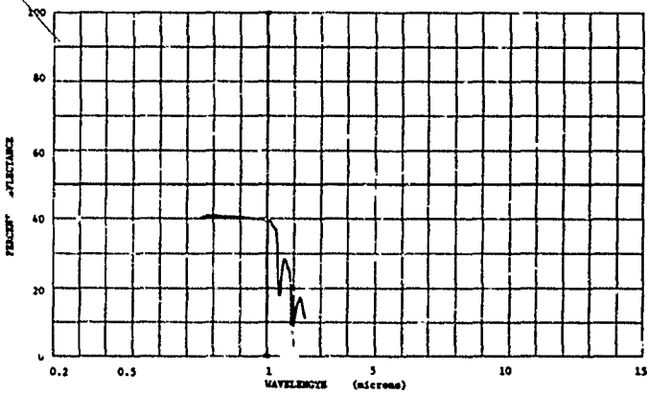
PARAMETER INFORMATION
DATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-196 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

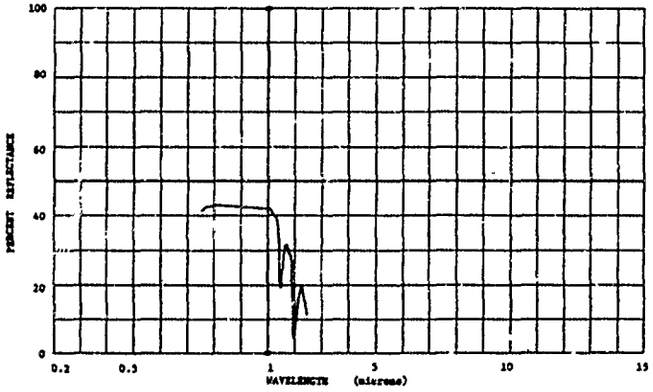
PARAMETER INFORMATION
DATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-197 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

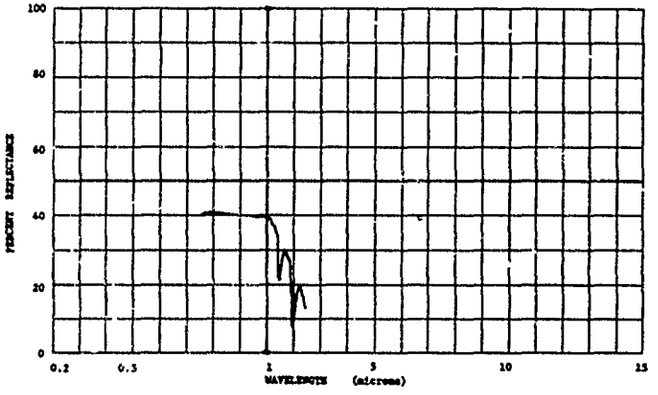
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-198 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

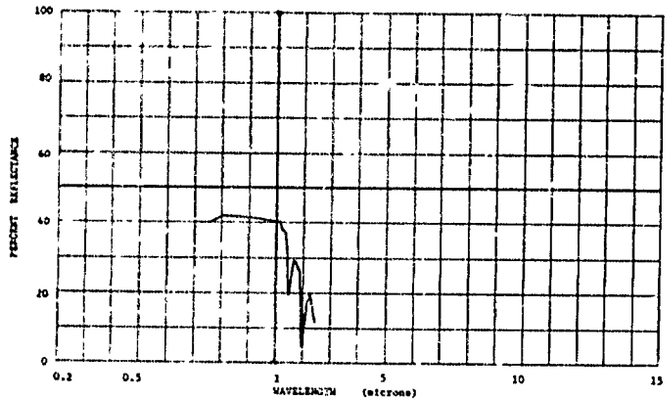


DGD 946

B2C0C0-199 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEUA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

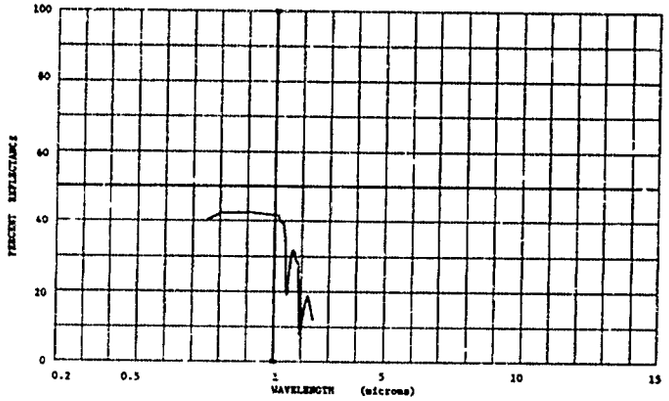
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C0D0-200 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEUA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

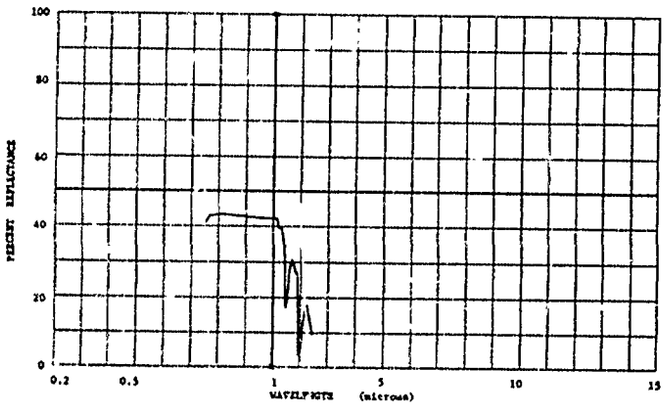
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C0D0-201 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEUA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

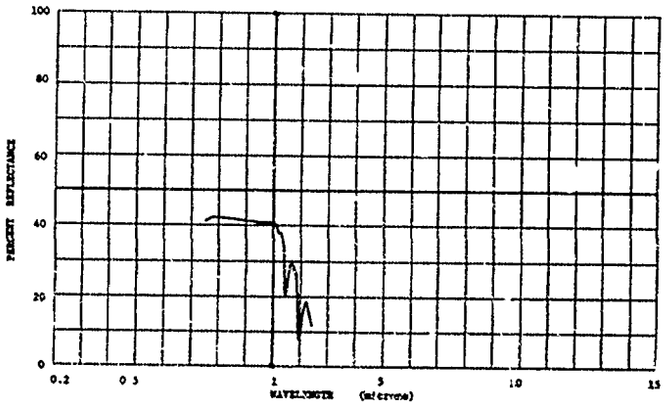
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C0C0-202 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEUA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= F
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

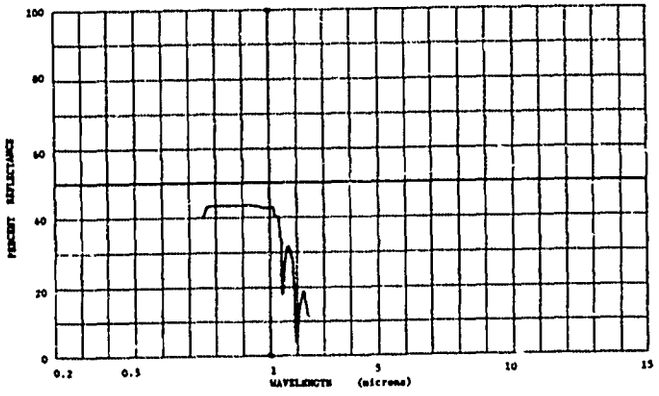


BGID 349

820000-203 MAPLE, UPPER LEAF SURFACE, 2 HOURS AFTER PICKING.

SUBJECT CODES
BGDUA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

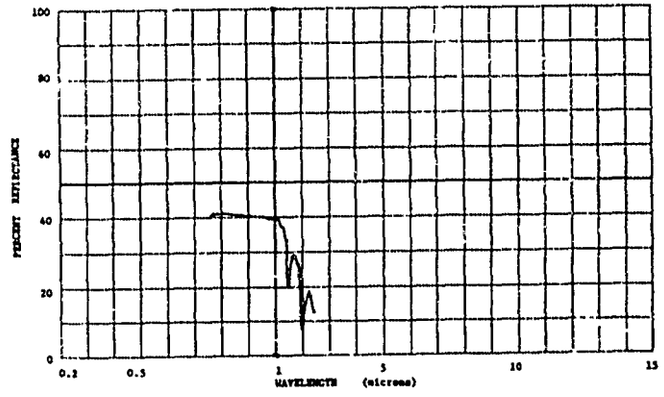
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-204 MAPLE, LOWER LEAF SURFACE, 2 HOURS AFTER PICKING.

SUBJECT CODES
BGDUA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

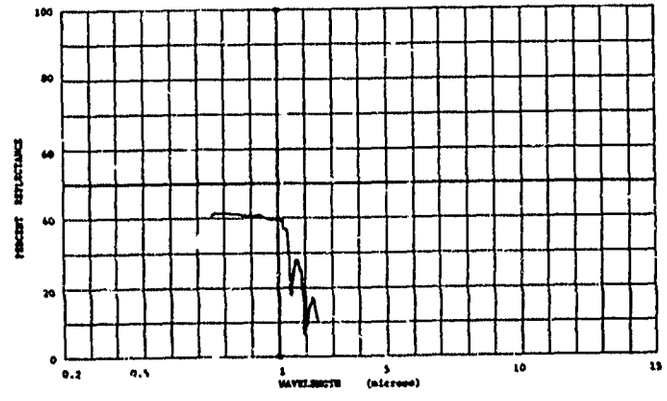
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-205 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDUA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

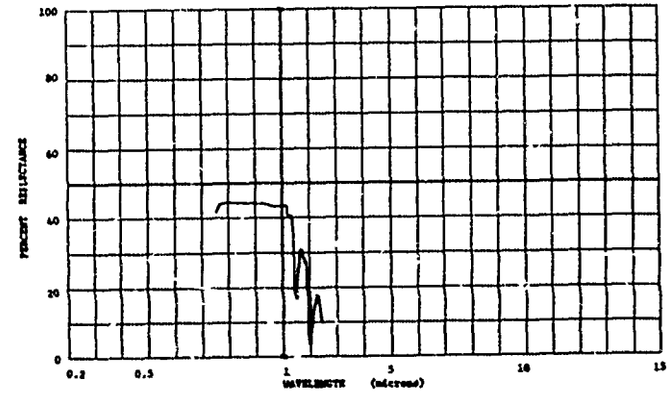
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT N AVE= 1



820000-206 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGDUA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

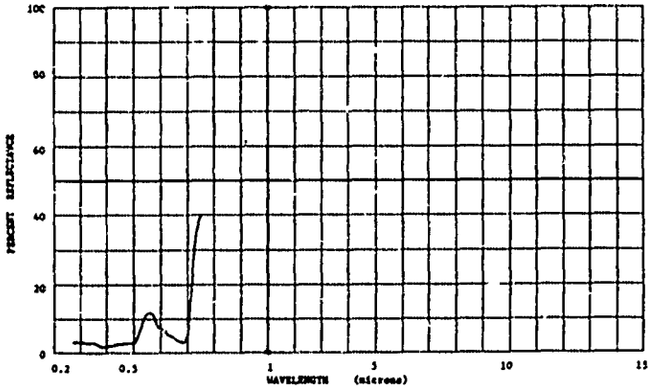
PARAMETER INFORMATION
DATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-207 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC LCA CEC CPAA DFCE CK ECAC ECAD ECB
ECCA

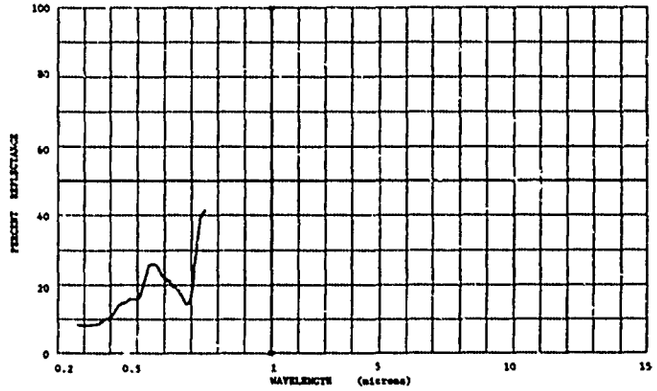
PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



820000-208 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CPAA DFCE CK ECAC ECAD ECB
ECCA

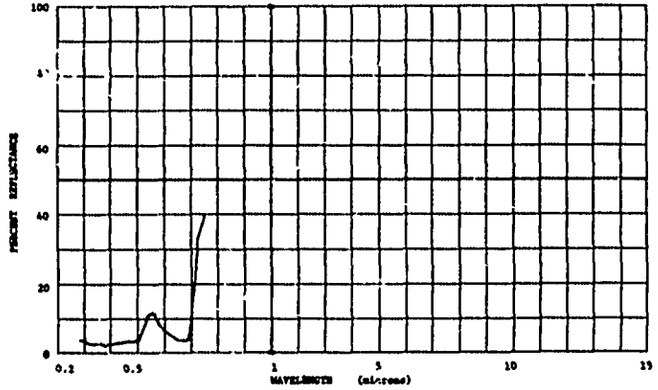
PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



820000-209 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CPAA DFCE CK ECAC ECAD ECB
ECCA

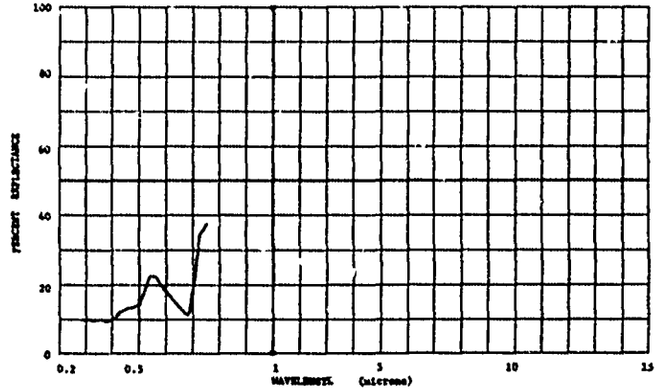
PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1



820000-210 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCLA BGFBC CCA CEC CPAA DFCE CK ECAC ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= H AVE= 1

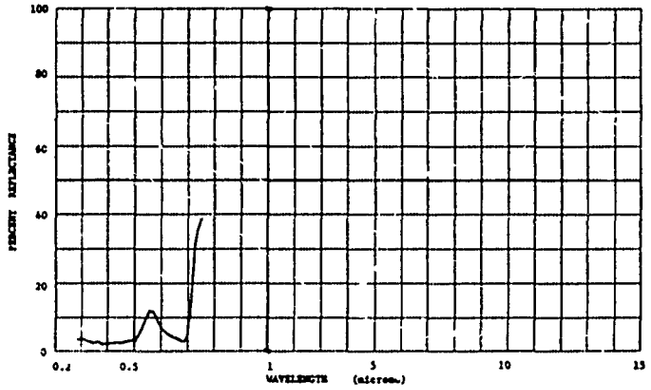


SCD 191

820000-211 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGCUA BGFUC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

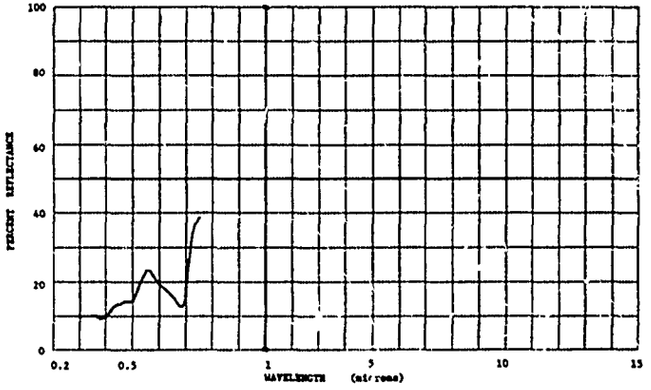
PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-212 MAPLE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGCUA BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

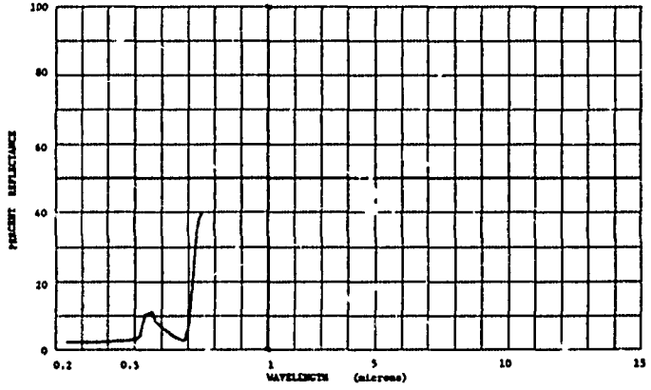
PARAMETER INFORMATION
CATE= 14 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-218 MAPLE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
GGCUA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

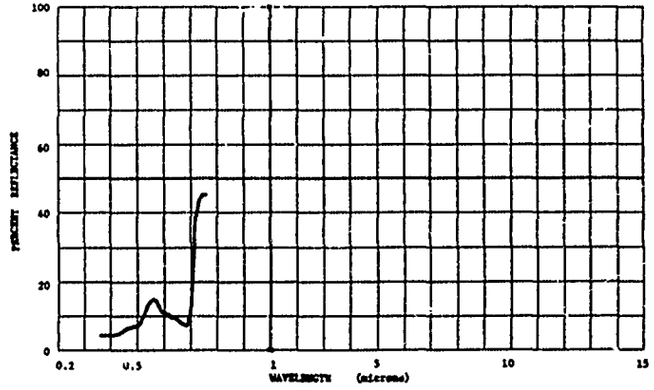
PARAMETER INFORMATION
CATE= 15 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-356 SILVER MAPLE, UPPER LEAF SURFACE, 20 HOURS AFTER PICKING.

SUBJECT CODES
GGCUA BGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

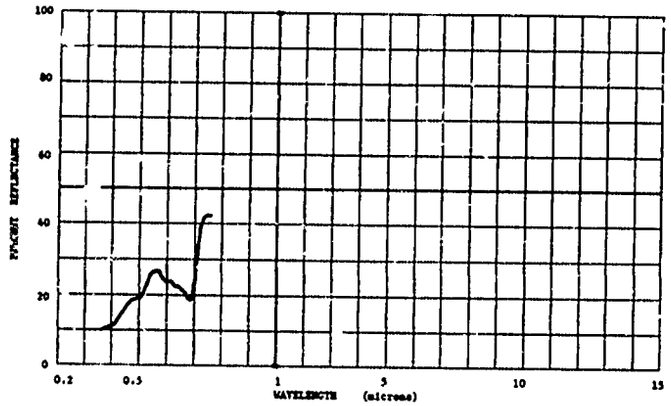
PARAMETER INFORMATION
CATE= 15 9 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DE= PT= N AVE= 1



820860-397 SILVER MAPLE, LOWER LEAF SURFACE, 20 HOURS AFTER PICKING.

SUBJECT CODE.
BGCUA BGFBC CCA CEC CPAA DFCE CK ECAD ECB ECCA

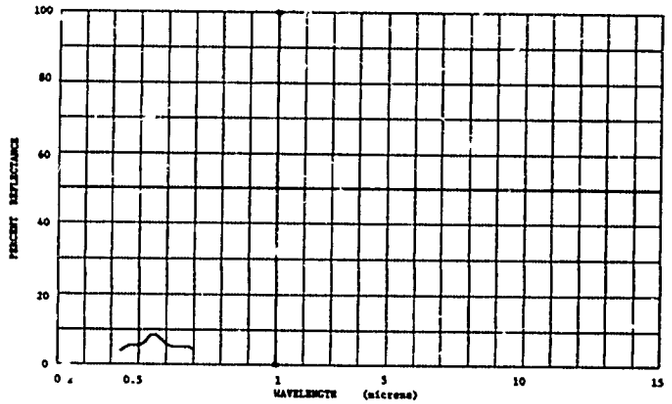
PARAMETER INFORMATION
CATE= 15 S 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 7.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-034 RED MULBERRY, MORUS RUBRA, UPPER LEAF SURFACE

SUBJECT CODES
BCCV BGFBC CC CEF CPA DFCC CK ECB

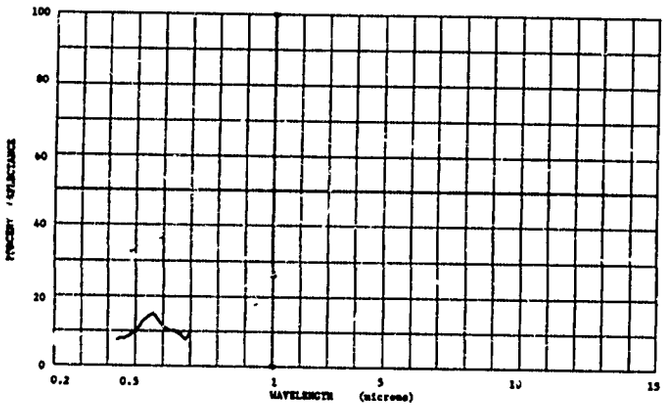
PARAMETER INFORMATION
CATE= 20 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-035 RED MULBERRY, MORUS RUBRA, LOWER LEAF SURFACE

SUBJECT CODES
BGCV BGFBC CC CEC CPA DFCC CK ECB

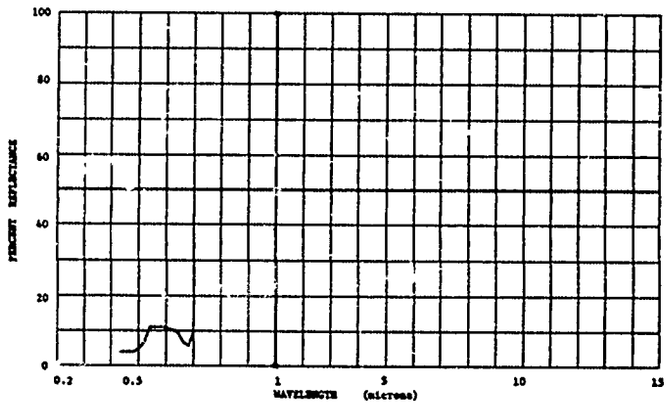
PARAMETER INFORMATION
CATE= 25 TIME= LAT= 38.C N LONG= 83.C W ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-042 RUBBER PLANT, FICUS ELASTICA, YOUNG, UPPER LEAF SURFACE.

SUBJECT CODES
BGCVA BGFBC BGFC CC CEC DFA DFCD CK ECB

PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

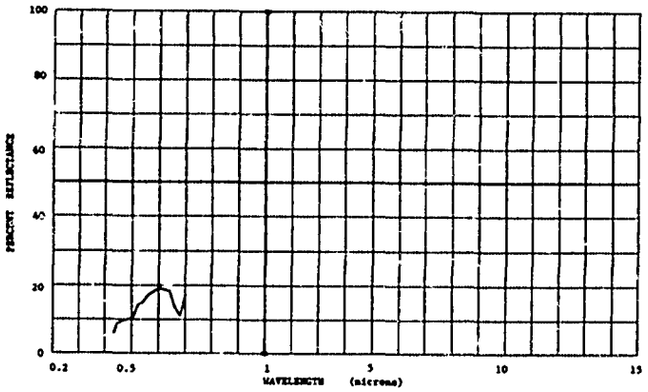


BCD 515

801761-043 RUBBER PLANT, FICUS ELASTICA, YOUNG, LOWER LEAF SURFACE.

SUBJECT CODES
EGCVA BCFBC BGFC CC CEC DFA CFCO DK ECB

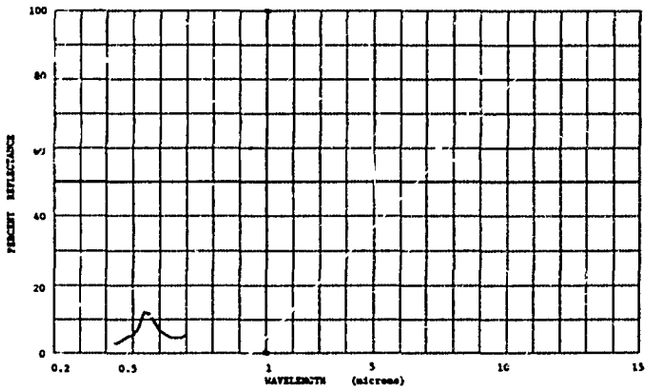
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-044 RUBBER PLANT, FICUS ELASTICA, OLD, UPPER LEAF SURFACE.

SUBJECT CODES
EGCVA BCFBC BGFC CD CEC DFA CFCO DK ECB

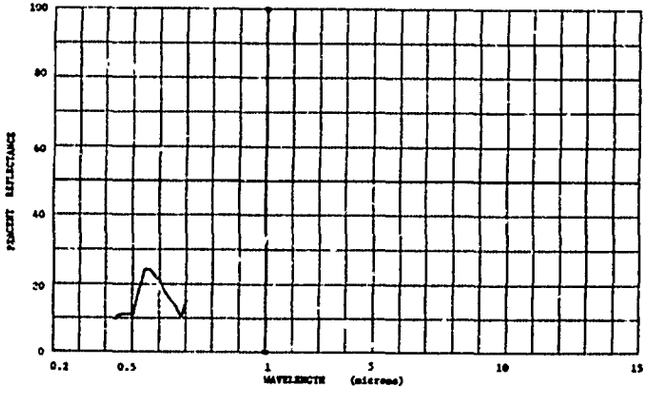
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-045 RUBBER PLANT, FICUS ELASTICA, OLD, LOWER LEAF SURFACE.

SUBJECT CODES
EGCVA BCFBC BGFC CC CEC DFA CFCO DK ECB

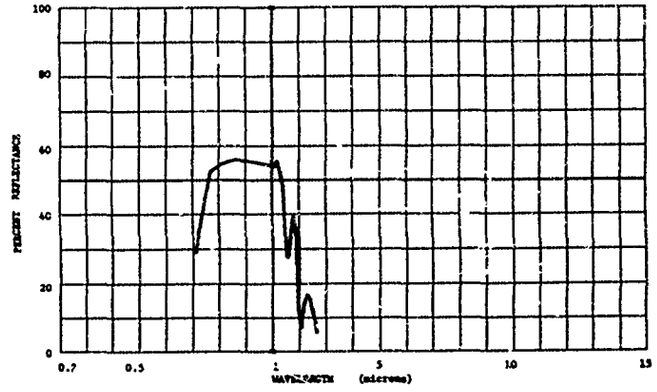
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801948-008 RUBBER PLANT, FICUS ELASTICA, LOWER LEAF SURFACE.

SUBJECT CODES
EGCVA BCFBC CD CEC CFCF DFO EK ECCA ECCB

PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= .0 IAZ= CN= 10.0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

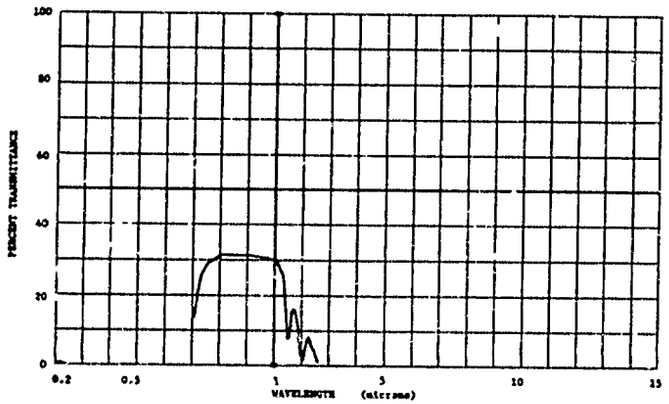


BOD 944

001940-009 RUBBER PLANT, FICUS ELASTICA, LEAF.

SUBJECT CODES
RGCVA RGF CO CEC CPCF DIA CK ECCA ECCB

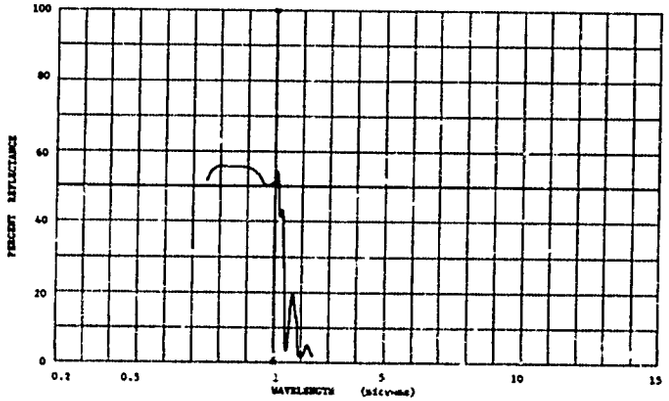
PARAMETER INFORMATION
CATE= 41 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= .C IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-215 PARARUBBER, FICUS ELASTICA, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
RGCVA RGFBC CDA CEC CFAA DFCE CK ECCA ECCB

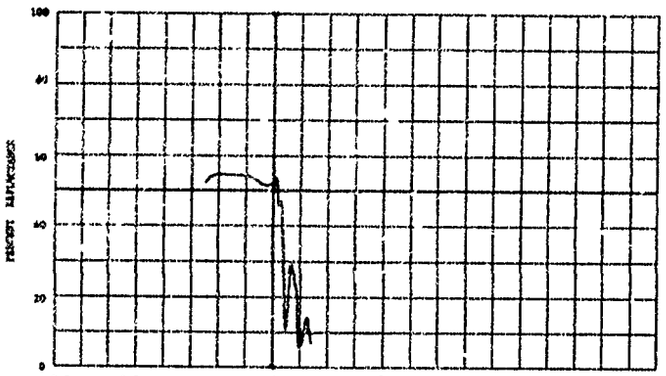
PARAMETER INFORMATION
CATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-216 PARARUBBER, FICUS ELASTICA, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
RGCVA RGFBC CDA CEC CFAA DFCE CK ECCA ECCB

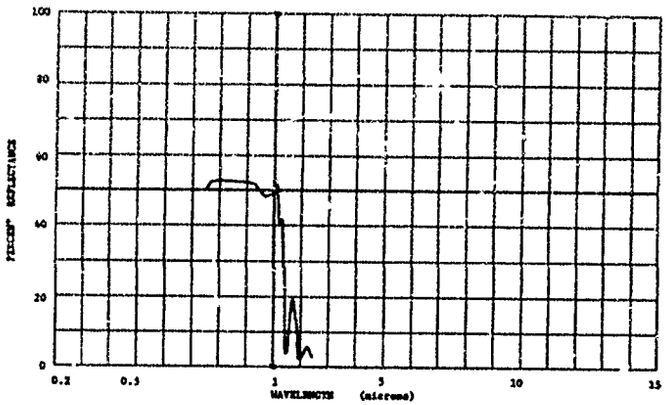
PARAMETER INFORMATION
CATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-217 PARARUBBER, FICUS ELASTICA, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
RGCVA RGFBC CDA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

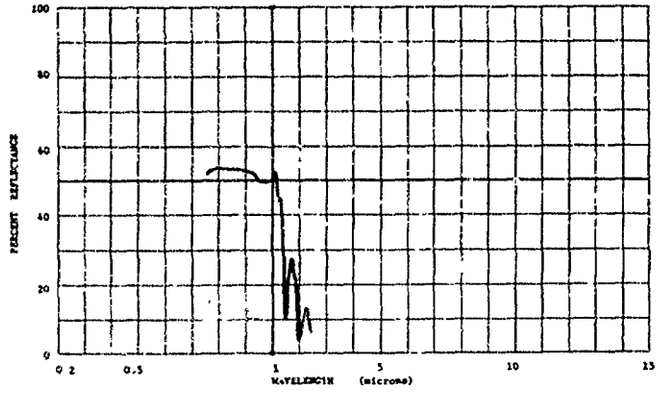


RGD 915

820060-232 PARARUBBER, FICUS ELASTICA, LOWER LEAF SURFACE. BEFORE PICKING.

SUBJECT CODES
EGEVA EGFBC CFA CEC CFAA DFCE CK ECCA ECCB

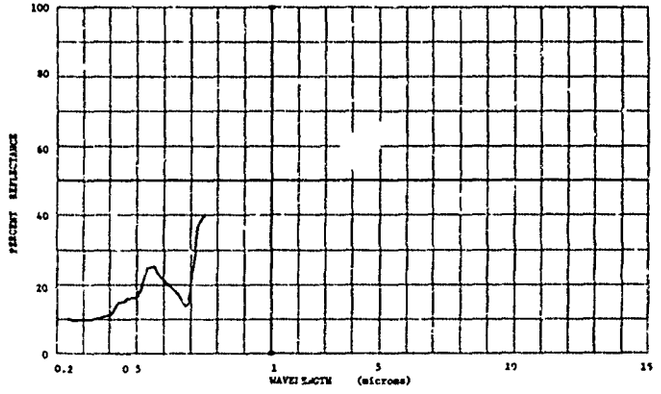
PARAMETER INFORMATION
DATE= 10 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820060-233 PARARUBBER, FICUS ELASTICA, LOWER LEAF SURFACE. BEFORE PICKING.

SUBJECT CODES
EGEVA EGFBC CCA CEC CFAA DFCE CK ECAD ECB ECCA

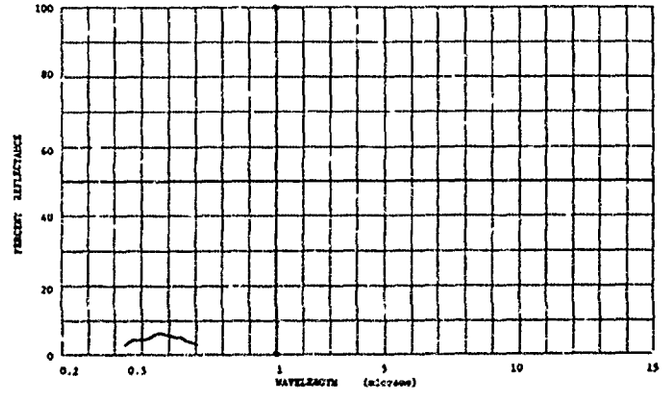
PARAMETER INFORMATION
DATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS FR= 0 IN= 3.7 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-009 LILAC, SYRINGA VULGARIS, UPPER LEAF SURFACE.

SUBJECT CODES
EGCH EGFBC CC CEC CFA DFCC CK ECB

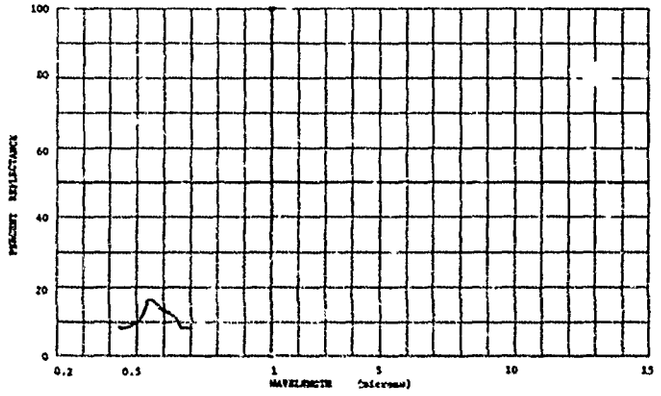
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-010 LILAC, SYRINGA VULGARIS, LOWER LEAF SURFACE.

SUBJECT CODES
EGCW EGFBC CD CEC CFA DFCD CK ECB

PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

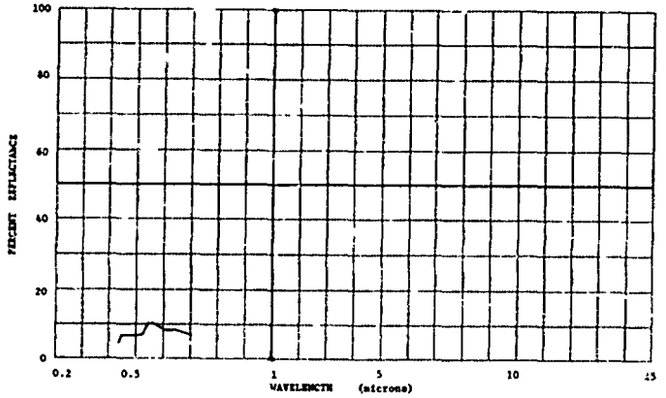


BCD 956

801761-011 LILAC, SYRINGA VULGARIS, UPPER LEAF SURFACE.

SUBJECT CODES
EGCN BGFBC CC CEC CFA DFCC CK ECB

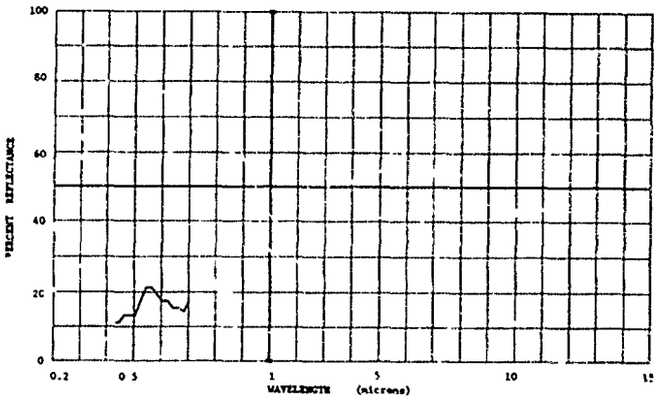
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-012 LILAC, SYRINGA VULGARIS, LOWER LEAF SURFACE.

SUBJECT CODES
EGCN BGFBC CD CEC CFA DFCC CK ECB

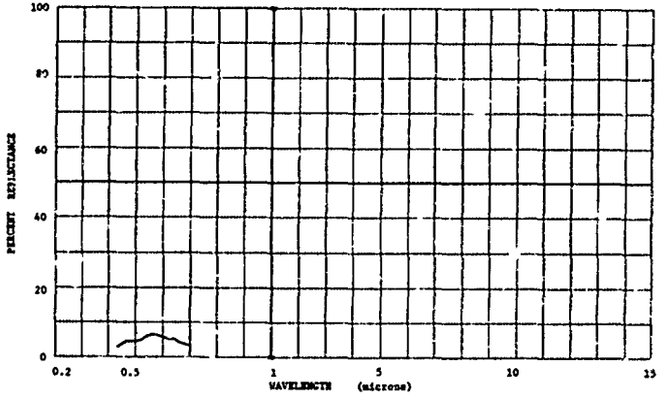
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-060 LILAC, SYRINGA VULGARIS, HEALTHY, UPPER LEAF SURFACE.

SUBJECT CODES
EGCN BGFBC CD CEC CFA DFCC CK ECB

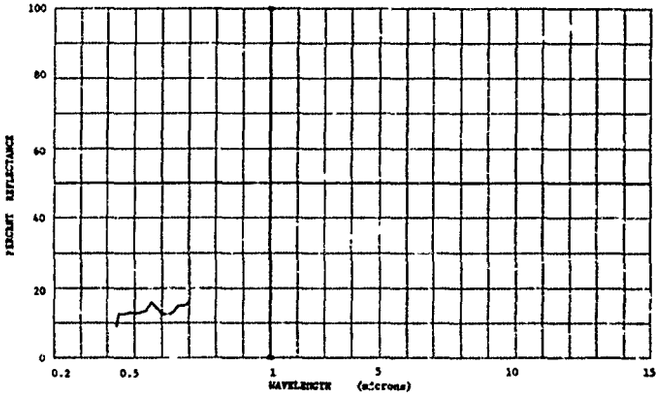
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-061 LILAC, SYRINGA VULGARIS, MILDEWED, UPPER LEAF SURFACE.

SUBJECT CODES
EGCN BGFBC CD CEC CFA DFCC CK ECB

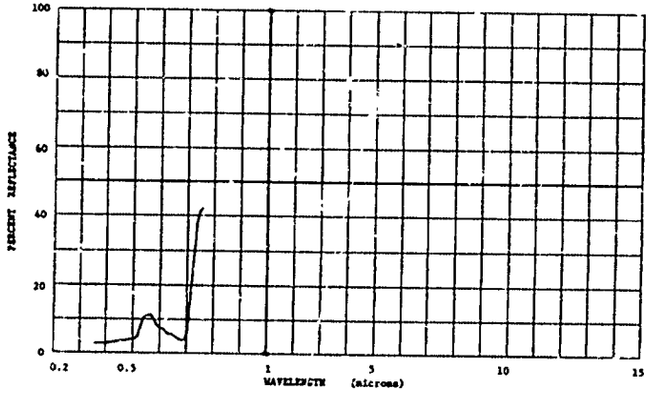
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-171 WHITE CEDAR, BRANCH TIPS AND NEEDLES.

SUBJECT CODES
BGEXA BGFA BGH COA CEC DFAA DFCE DK ECAD ECB
ECCA

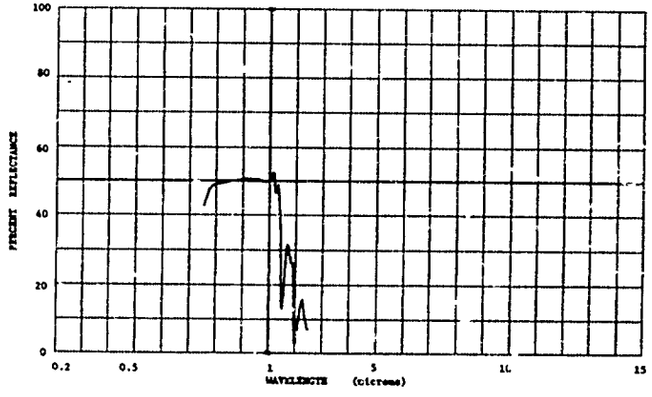
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-172 WHITE CEDAR, BRANCH TIPS AND NEEDLES.

SUBJECT CODES
BGEXA BGFA BGH COA CEC DFAA DFCE DK ECCA ECCB

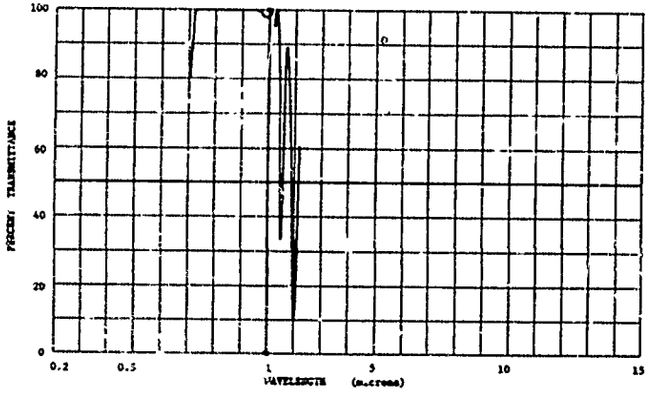
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-175 CHLOROPHYLL EXTRACT, EXTRACTED FROM WHITE CEDAR.

SUBJECT CODES
BGEXA CCA CEC CSA DK ECCA ECCB

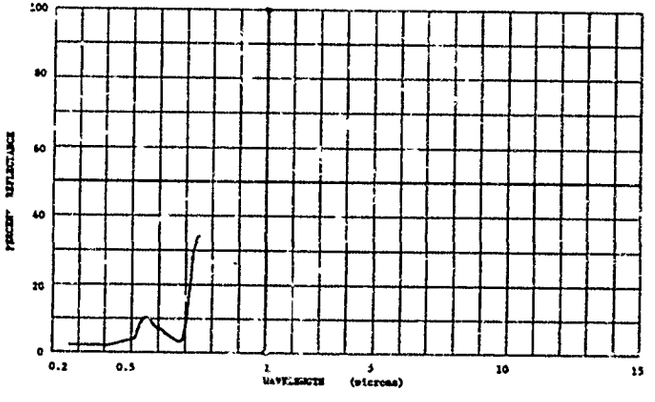
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .C IAZ= CN= CAZ= IRR= E
CUST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-178 JUNIPER, BRANCHLETS AND NEEDLES.

SUBJECT CODES
BGEXC BGFA BGH CCA CEC DFAA DFCE DK ECAC ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CAST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

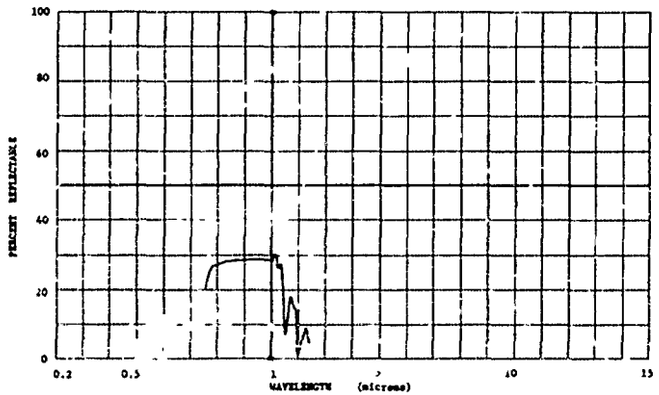


RCD 86

820060-179 JUNIPER, BRANCHLETS AND NEEDLES.

SUBJECT CODES
EGCXC BGFA CDA CEC CFAA DFCC DK FCCA ECCB

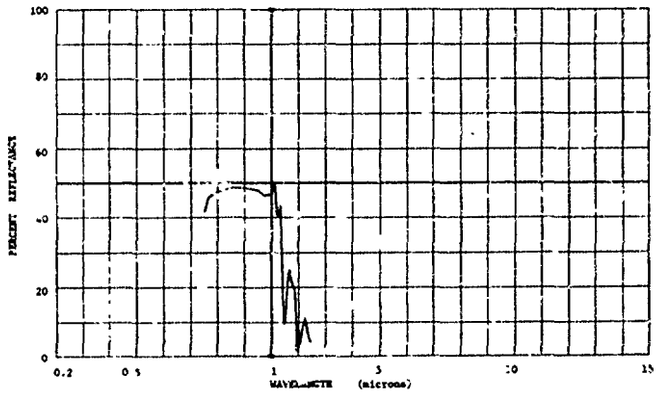
PARAMETER INFORMATION
CATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820060-213 JUNIPER, BRANCHLETS AND NEEDLES.

SUBJECT CODES
BGDXC BGFA BGH CDA CED DFAA DFCE DK ECCA ECCB

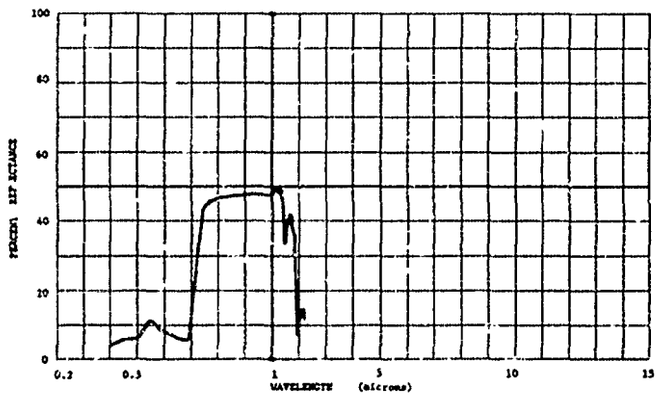
PARAMETER INFORMATION
CATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803070-003 PINUS STROBUS.

SUBJECT CODES
EGCXE BGFA CD CEC EFA DK ECB FCCA ECCB

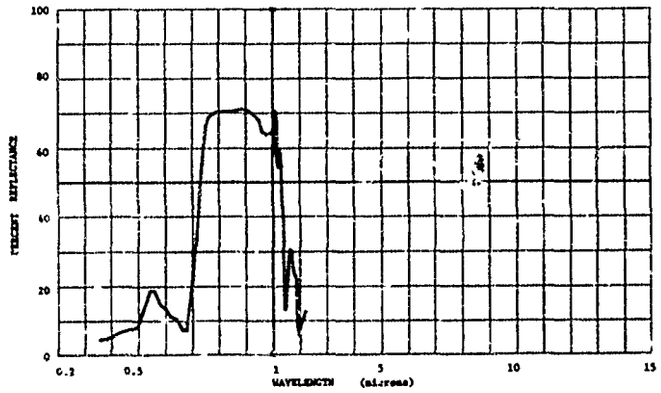
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-012 PINUS PONDEROSA, HEALTHY.

SUBJECT CODES
EGCXE BGFA CD CEC EFA DFCE DK ECAD ECB ECCA
ECCB

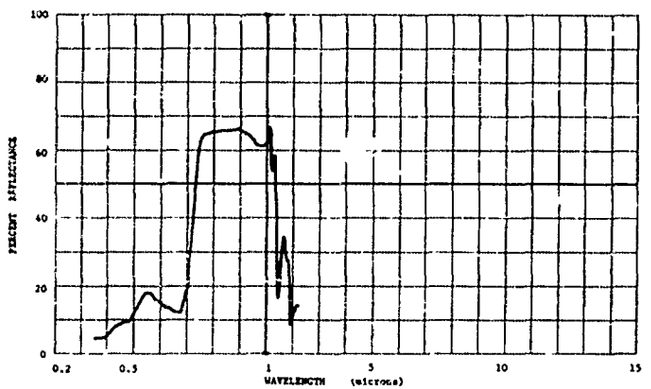
PARAMETER INFORMATION
CATE= 4 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= C
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-013 PINUS PONDEROSA, DISEASED (ATTACK 1964).

SUBJECT CODES
EGEXE BGFA CD CEC CFA DFCE EK ECAC ECB ECCA
ECCD

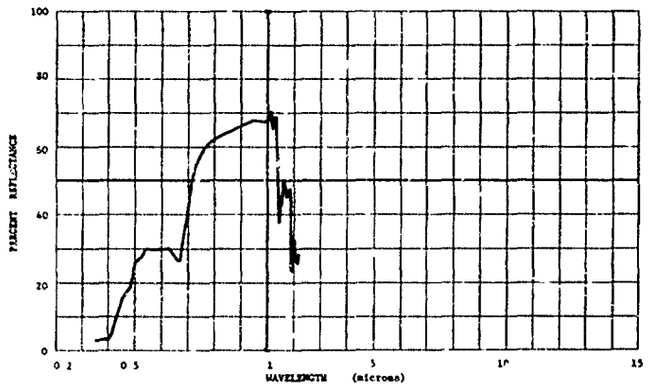
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= GN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



803333-014 PINUS PONDEROSA, DISEASED (ATTACK 1963).

SUBJECT CODES
EGEXE BGFA CD CEC CFA DFCE EK ECAC ECB ECCA
ECCD

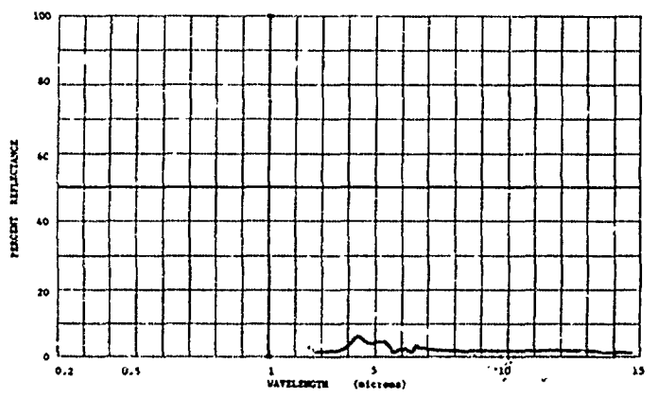
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= GN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



803333-019 PONDEROSA PINE NEEDLES, HEALTHY.

SUBJECT CODES
EGEXE BGFA CD CEC CFAA DK ECCB ECCC ECCD ECCE

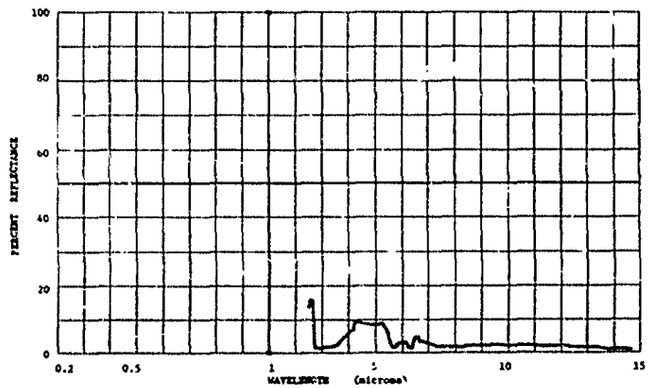
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= GN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1



803333-020 PONDEROSA PINE NEEDLES, DISEASED (ATTACK 1963).

SUBJECT CODES
EGEXE BGFA CD CEC CFAA DK ECCB ECCE ECCD ECCE

PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= GN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= N AVE= 1

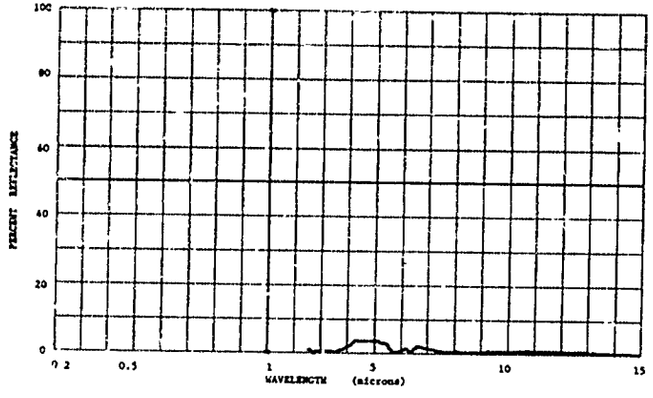


BOD-090

422939-019 BLACK SPRUCE.

SUBJECT CODES
EGCXF BCFA CO CEC CFAA DK ECCB ECCC ECCD ECCE

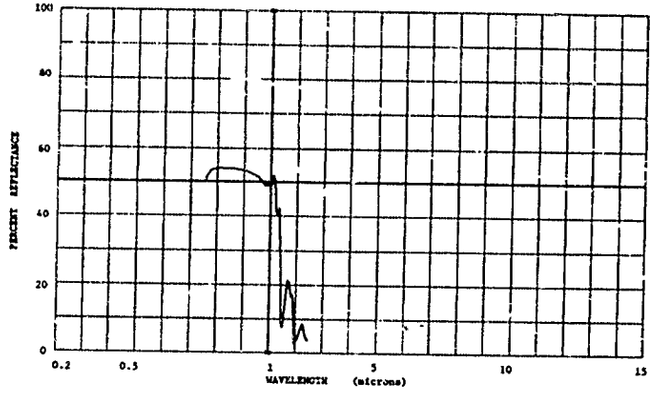
PARAMETER INFORMATION
CATE= 72= 64 TIME= LAT= LONG= ALT= RANGE=
CAYS AE= 0 IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820880-144 SPRUCE NEEDLES.

SUBJECT CODES
EGCXF BCFA COA CLC CFAA DFCE DK ECCA ECCB

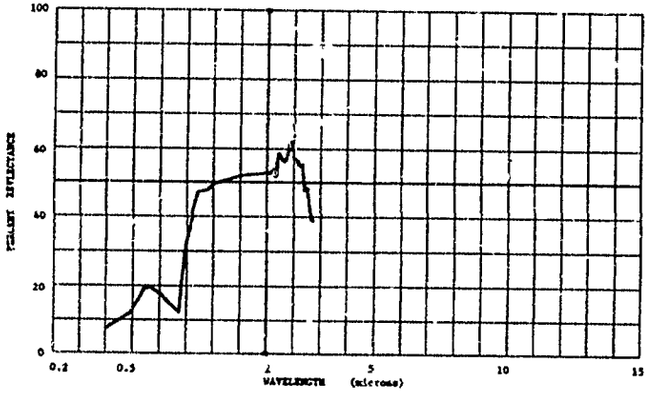
PARAMETER INFORMATION
CATE= 5 7 64 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C3-001 SYCAMORE, GREEN, LOWER LEAF SURFACE.

SUBJECT CODES
P'CYA BCFBC CO CEC CFA DK ECB ECCA ECCB

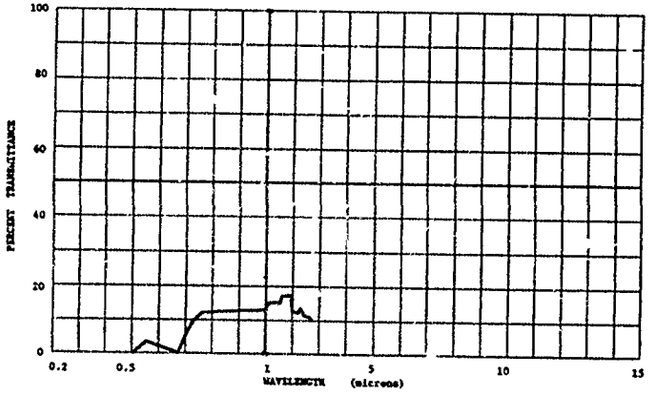
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



8048C3-002 SYCAMORE, GREEN, LOWER LEAF SURFACE.

SUBJECT CODES
EGCYA BCFBC CO CEC CI UK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



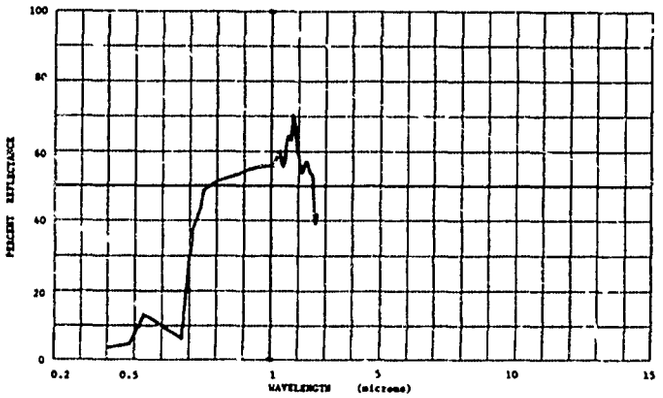
BGD 361

804803-003 SYCAMORE, GREEN, UPPER LEAF SURFACE.

SUBJECT CODES
BGCVA BGFBC CD CEC EFA DK ECB ECCA ECCB

PARAMETER INFORMATION

CATE=	92 TIME=	LAT=	LONG=	ALT=	RANGE=
CAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
CBST=	TTEPP=	WIND SP=	WIND DI=	CLD=	VIS=
TEPP=	DEW PT=	N AVE= 1			

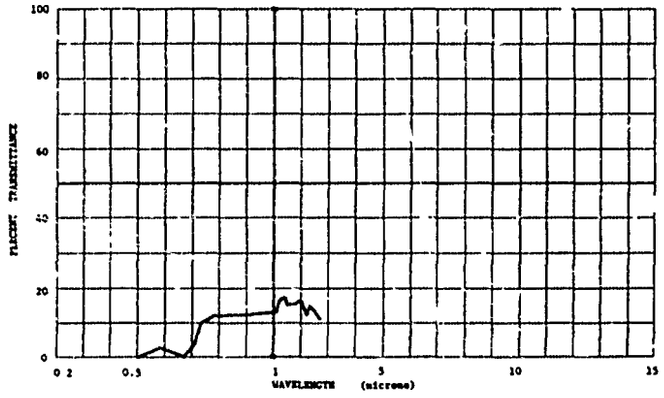


804803-004 SYCAMORE, GREEN, UPPER LEAF SURFACE.

SUBJECT CODES
BGCVA BGFBC CD CEC CI DK ECB ECCA ECCB

PARAMETER INFORMATION

CATE=	92 TIME=	LAT=	LONG=	ALT=	RANGE=
CAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
CUST=	TTEPP=	WIND SP=	WIND DI=	CLD=	VIS=
TEPP=	DEW PT=	N AVE= 1			

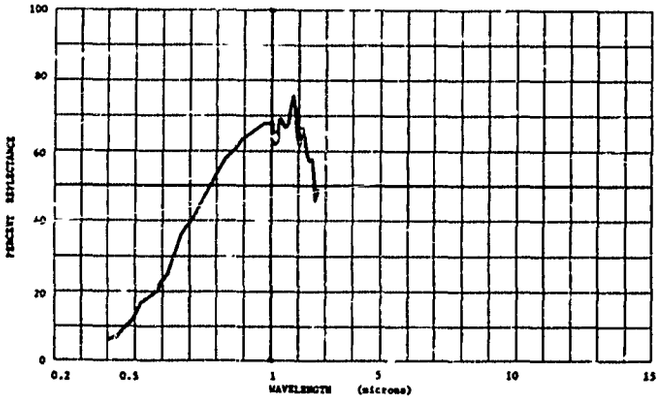


804803-005 SYCAMORE LEAVES, NEWLY FALLEN, UPPER LEAF SURFACE.

SUBJECT CODES
BGCVA BGFBC BGFF CD CEC DFA CK ECB ECCA ECCB

PARAMETER INFORMATION

CATE=	92 TIME=	LAT=	LONG=	ALT=	RANGE=
CAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
CBST=	TTEPP=	WIND SP=	WIND DI=	CLD=	VIS=
TEPP=	DEW PT=	N AVE= 1			

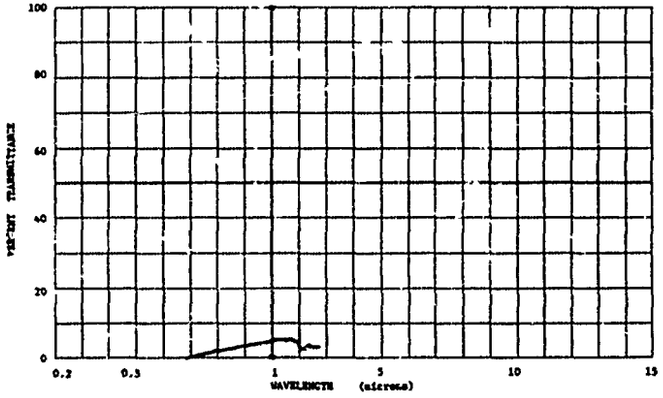


804803-006 SYCAMORE LEAVES, NEWLY FALLEN, UPPER LEAF SURFACE.

SUBJECT CODES
BGCVA BGFBC BGFF CD CEC DI CK ECB ECCA ECCB

PARAMETER INFORMATION

CATE=	92 TIME=	LAT=	LONG=	ALT=	RANGE=
CAYS RE=	IN=	IAZ=	CN=	CAZ=	IRR= E
CBST=	TTEPP=	WIND SP=	WIND DI=	CLD=	VIS=
TEPP=	DEW PT=	N AVE= 1			

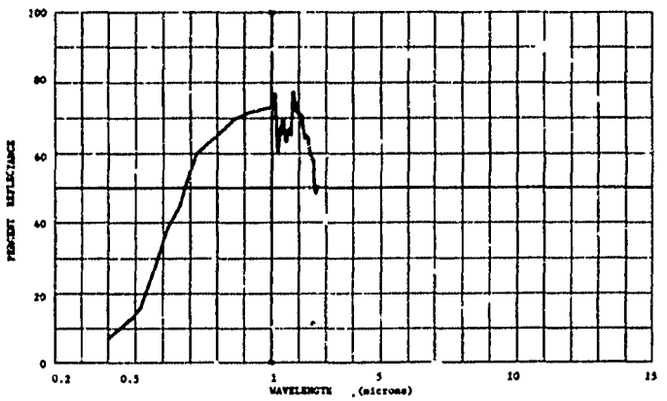


BRD 343

804003-007 SYCAMORE LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
RGCYA RGFBC RGFF CD CEC DFA CK ECB ECCA ECCB

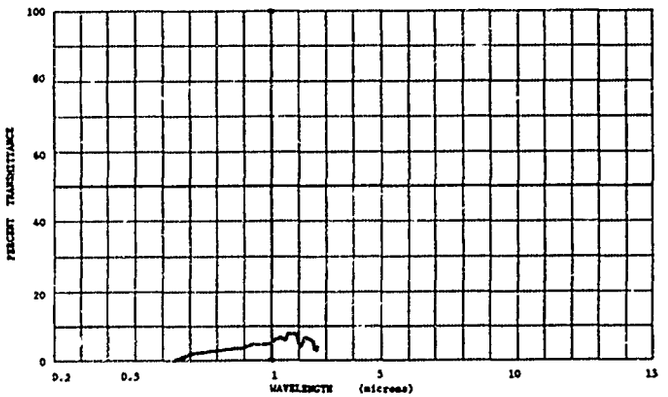
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CM= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= R AVE= 1



804003-008 SYCAMORE LEAVES, NEWLY FALLEN, LOWER LEAF SURFACE.

SUBJECT CODES
RGCYA RGFBC RGFF CD CEC DI CK ECB ECCA ECCB

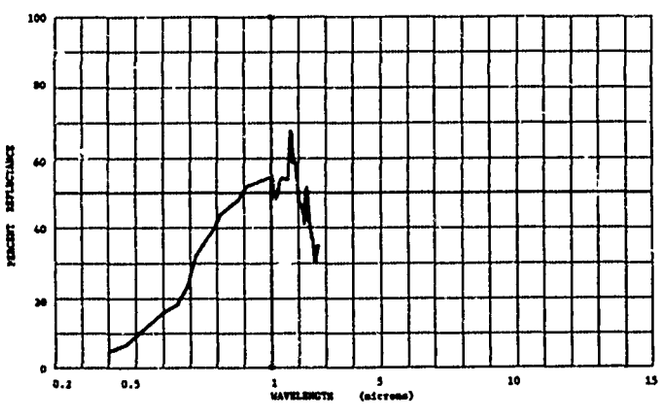
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CM= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= R AVE= 1



804003-009 SYCAMORE LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
RGCYA RGFBC RGFF CD CEC DFA CK ECB ECCA ECCB

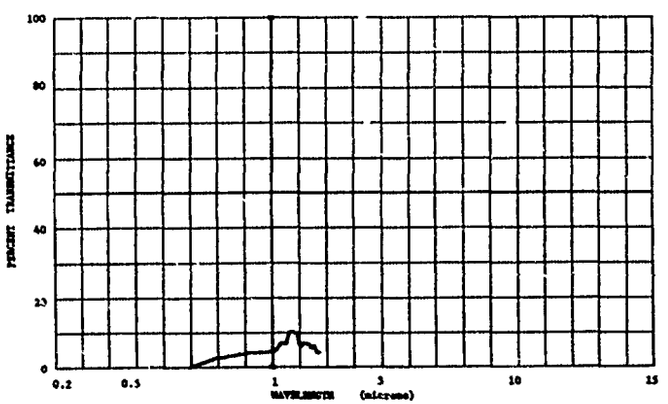
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CM= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= R AVE= 1



804003-010 SYCAMORE LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
RGCYA RGFBC CD CEC DI CK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CM= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= R AVE= 1

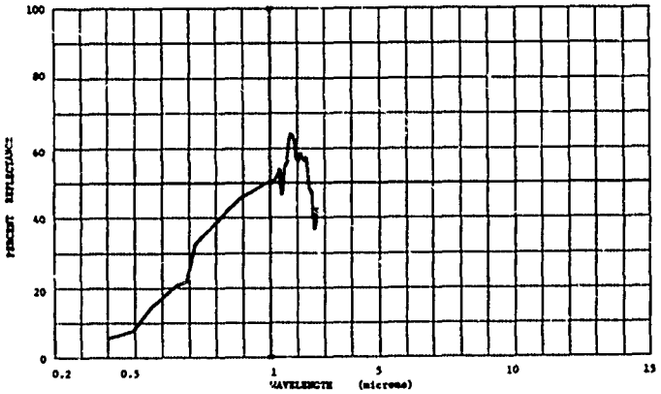


DOD DOD

804803-011 SYCAMORE LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CEC DFA EK ECB ECCA ECCB

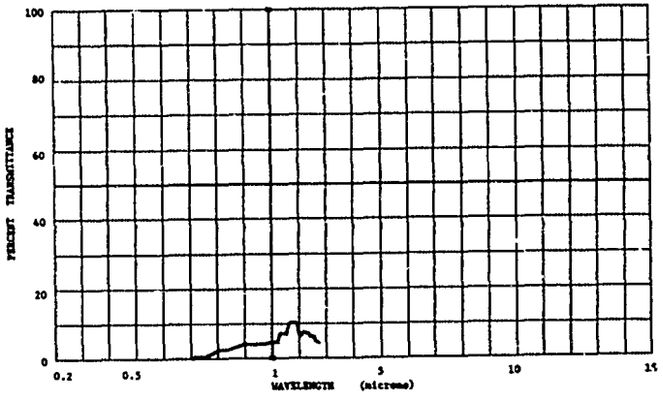
PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-012 SYCAMORE LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CEC DI EK ECB ECCA ECCB

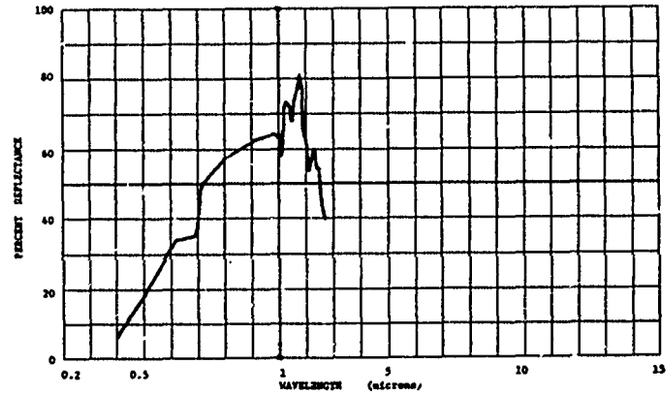
PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-013 SYCAMORE LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CEC DI EK ECB ECCA ECCB

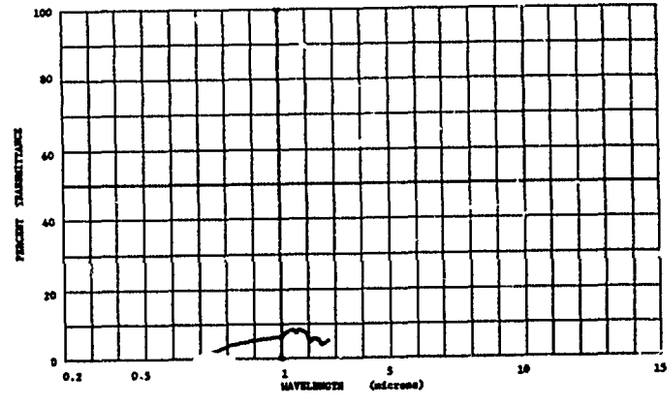
PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-014 SYCAMORE LEAVES, WEATHERED, LOWER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CEC DI EK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 92 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

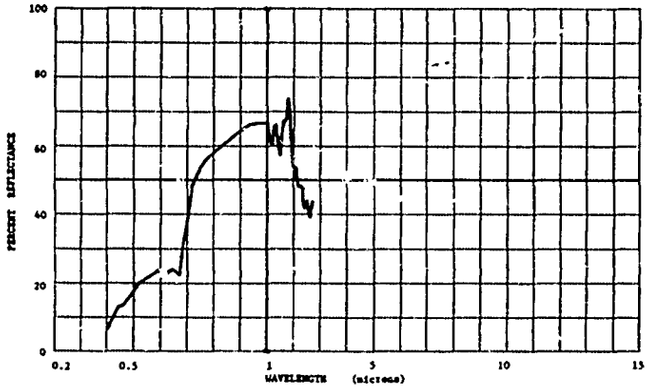


BLCO 344

804803-015 SYCAMORE LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CEC DFA CK ECB ECCA ECCB

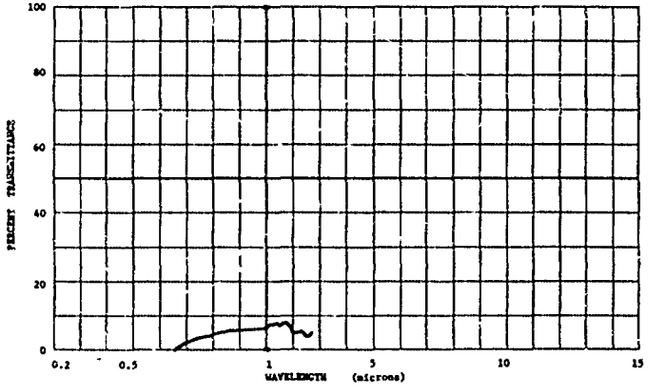
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LON= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804803-016 SYCAMORE LEAVES, WEATHERED, UPPER LEAF SURFACE.

SUBJECT CODES
BGCYA BGFBC BGFF CD CED OI CK ECB ECCA ECCB

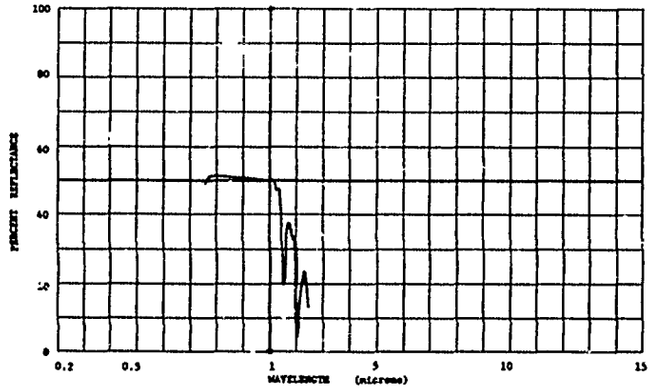
PARAMETER INFORMATION
CATE= 52 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-140 SYCAMORE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

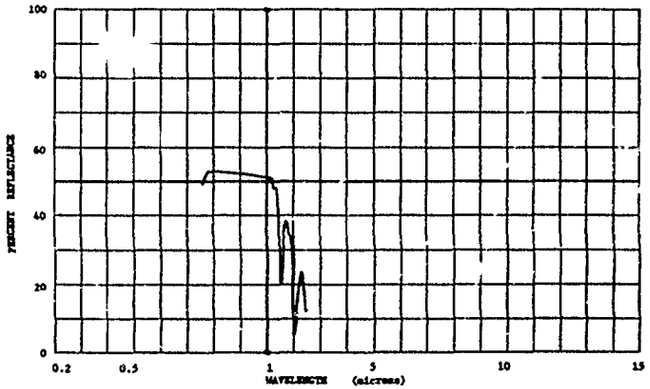
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-141 SYCAMORE, UPPER LEAF SURFACE, AFTER PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

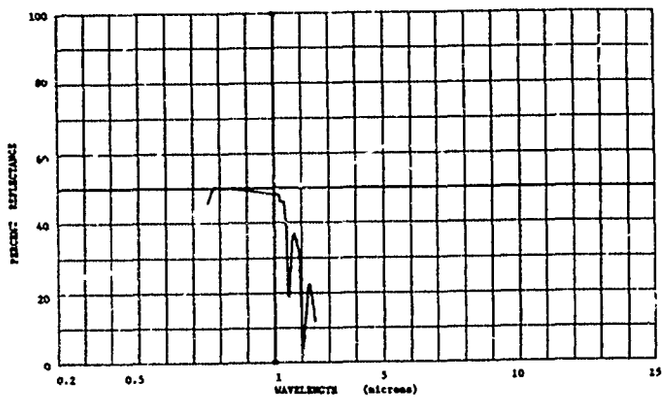


BGD 366

B20000-142 SYCAMORE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

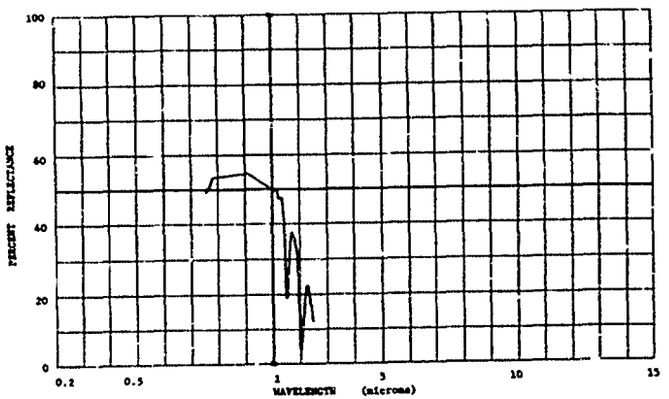
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-143 SYCAMORE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECCA ECCB

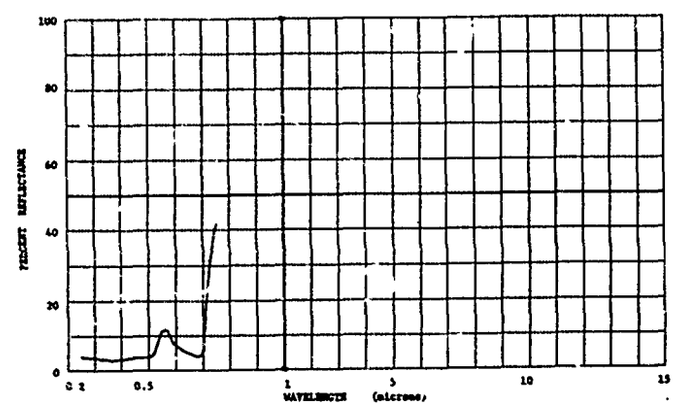
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-101 SYCAMORE, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

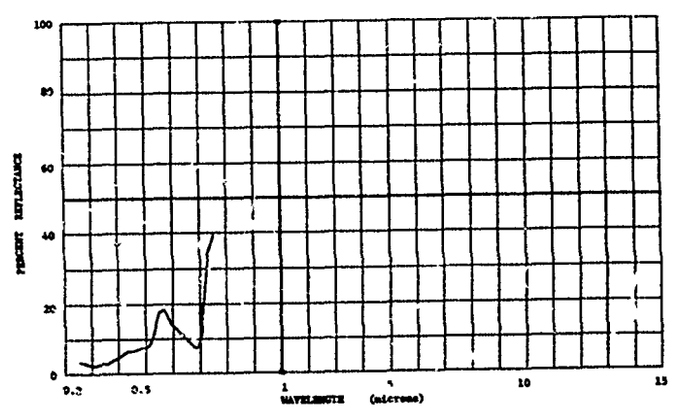
PARAMETER INFORMATION
CATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-102 SYCAMORE, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGCYA BGFBC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECCA

PARAMETER INFORMATION
CATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

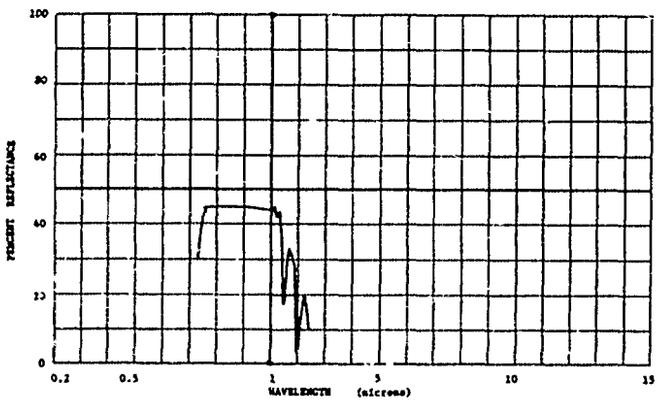


BCD 844

820000-183 SYCAMORE, UPPER LEAF SURFACE, 10 MINUTES AFTER PICKING.

SUBJECT CODES
BGDYA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

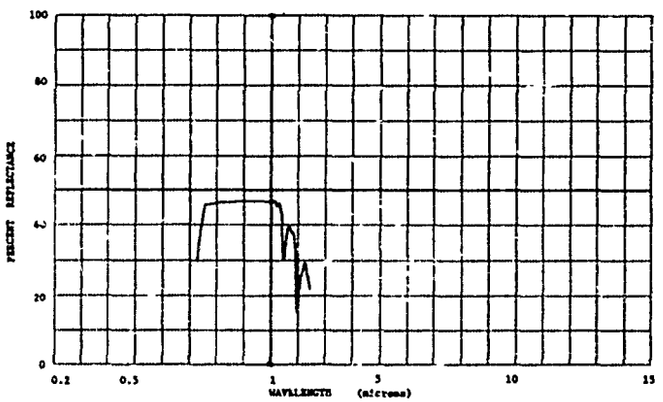
PARAMETER INFORMATION
DATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-184 SYCAMORE, LOWER LEAF SURFACE, 10 MINUTES AFTER PICKING.

SUBJECT CODES
BGDYA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

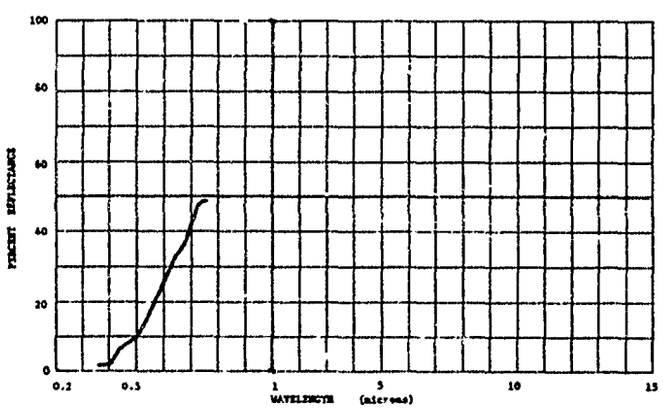
PARAMETER INFORMATION
DATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-315 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 5 DAYS.

SUBJECT CODES
BGDYA BGFBC CDA CED CFAA DFCE CK ECAD ECB ECCA

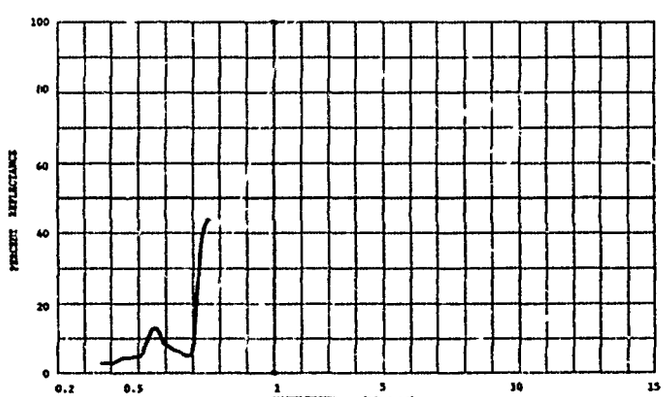
PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 5 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-316 SYCAMORE, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBD CDA CED CFAA DFCE CK ECAD ECB ECCA

PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



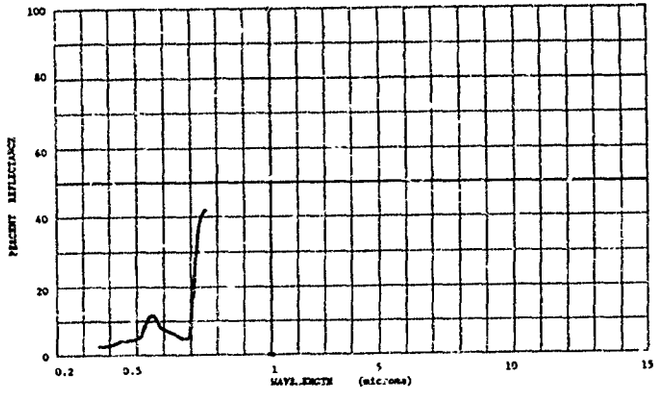
BGD 69

820000-317 SYCAMORE, UPPER LEAF SURFACE. LEAF WAS PICKED AND EVACUATED IN A BELL JAR FOR 30 MINUTES.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD ECH ECCA

PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

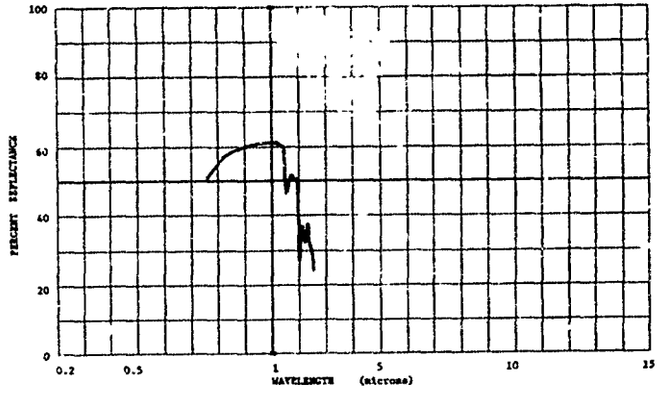


820000-318 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 5 DAYS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 5 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

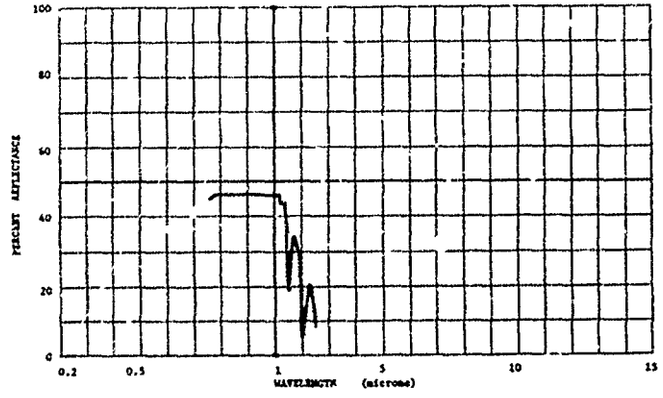


820000-319 SYCAMORE, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

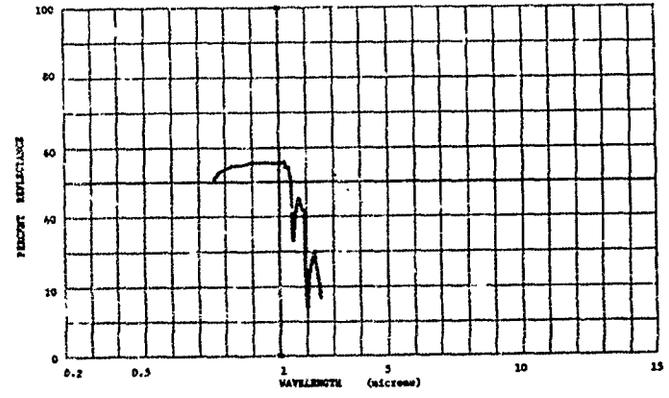


820000-320 SYCAMORE, UPPER LEAF SURFACE. LEAF WAS PICKED AND EVACUATED IN A BELL JAR FOR 30 MINUTES.

SUBJECT CODES
BGDYA BGFBD CDA CED DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 29 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



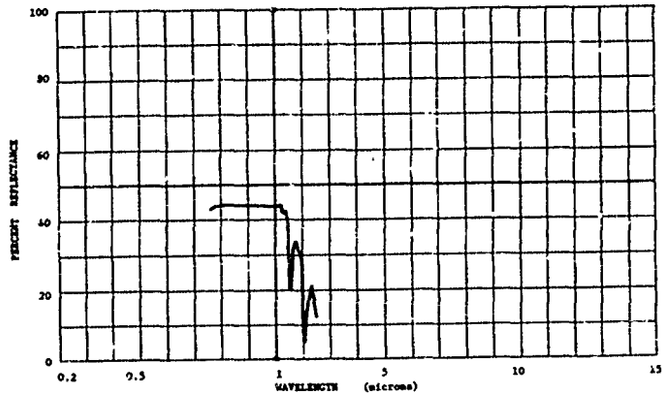
BAD 164

B20000-321 SYCAMORE, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBD CDA CED DFAA DFCE DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

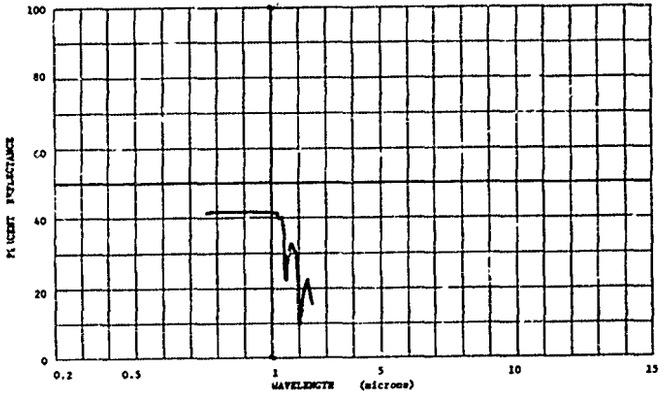


B20000-322 SYCAMORE, LOWER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

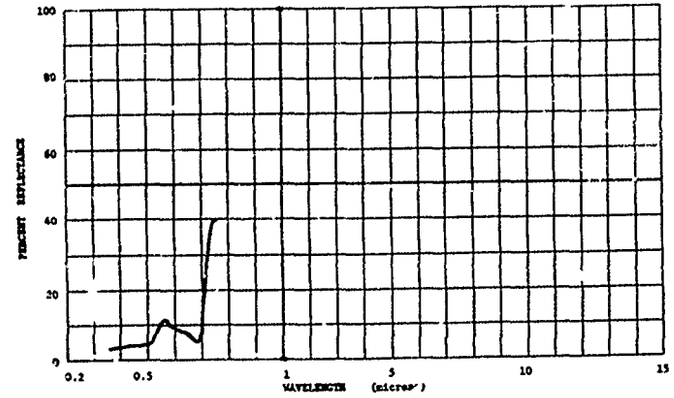


B20000-323 SYCAMORE, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBD CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

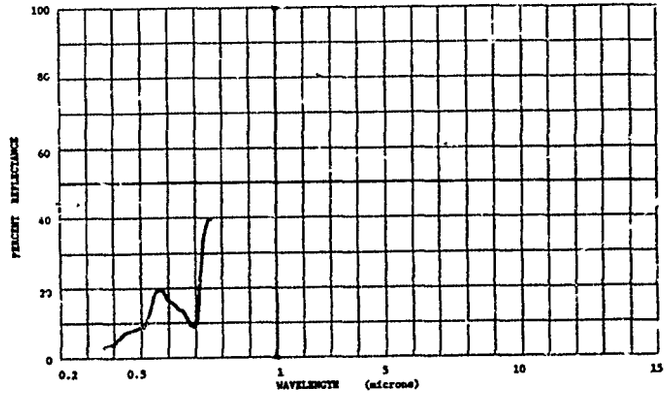


B20000-324 SYCAMORE, LOWER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 31 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1



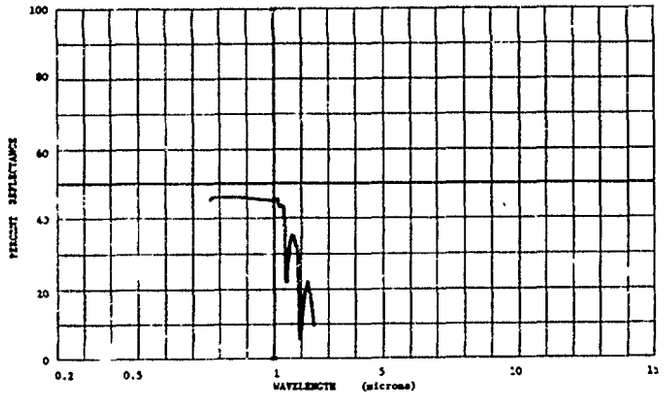
BGD 369

820000-325 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 4 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

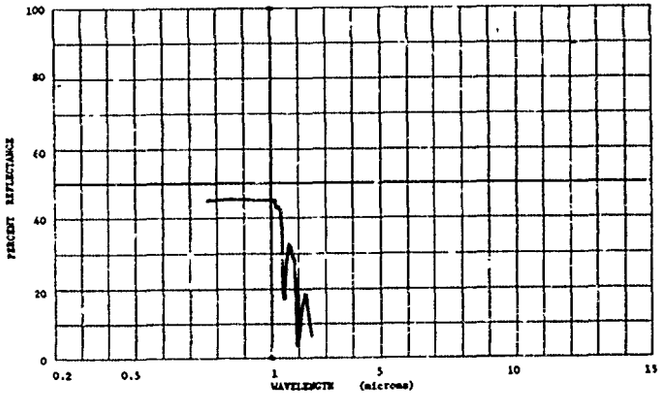


820000-326 SYCAMORE, UPPER LEAF SURFACE, 1 MINUTE AFTER PICKING.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

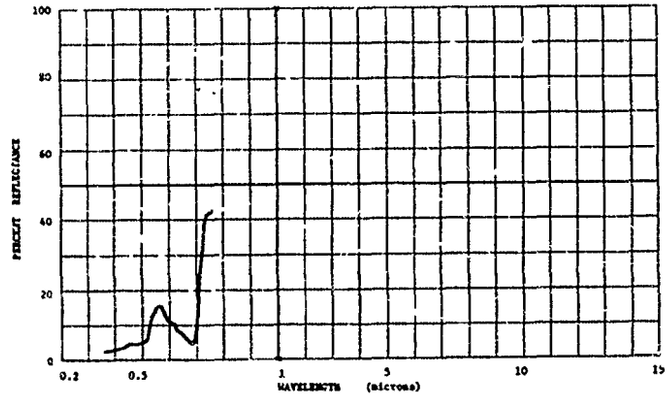


820000-327 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 4 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 1 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

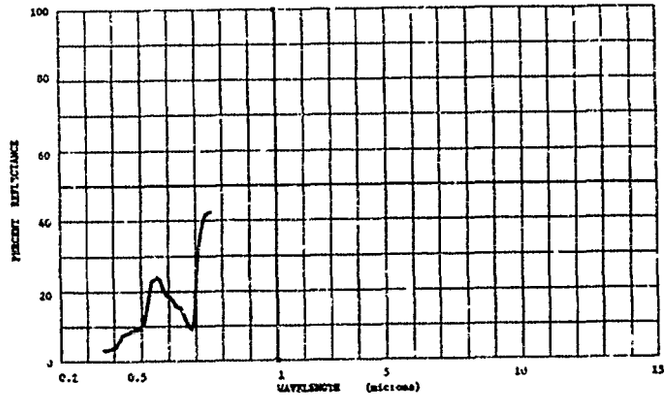


820000-328 SYCAMORE, LOWER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 4 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 1 8 66 TIME= -0 LAT= -.0 LONG= -.0 ALT= -.00E+00RANGE= -.00E+00
DAYS RE= 0 IN= 3.0 IAZ= -.0 CN= -.0 CAZ= -.0 IRR= E
OBST= TTEMP= -.0WIND SP= -0 WIND DI= CLD= VIS= -0

TEMP= -0 DEW PT=0 N AVE= 1



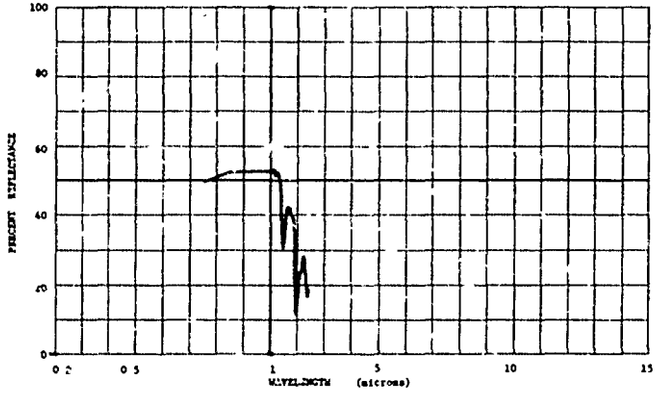
BGD310

820000-329 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT 26 HOURS AND EXPOSED TO SUNLIGHT 1 DAY.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCF DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

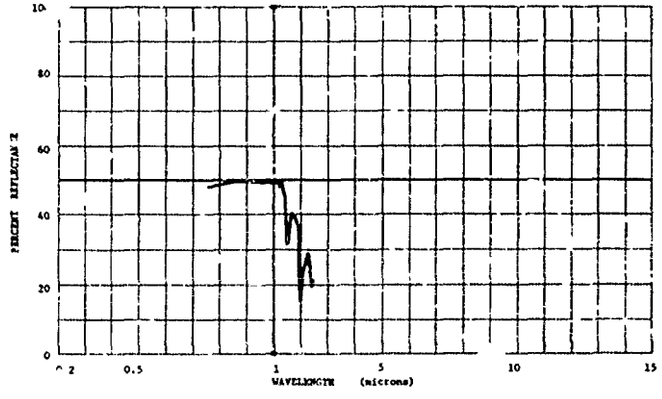


820000-330 SYCAMORE, LOWER LEAF SURFACE, FROM A BRANCH CUT 26 HOURS AND EXPOSED TO SUNLIGHT 1 DAY.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECCA
ECCB

PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

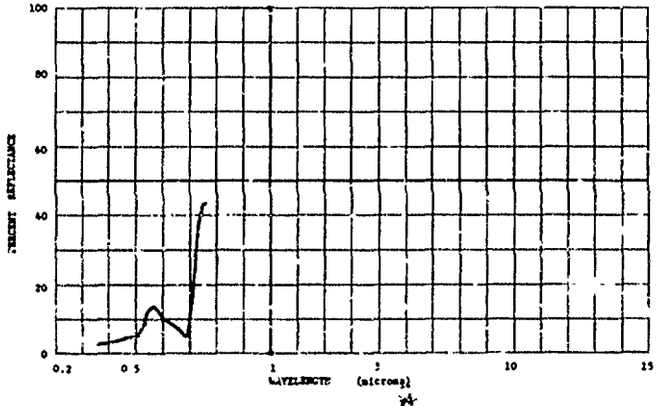


820000-331 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT 26 HOURS AND EXPOSED TO SUNLIGHT 1 DAY.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

TEMP= DEW PT N AVE= 1

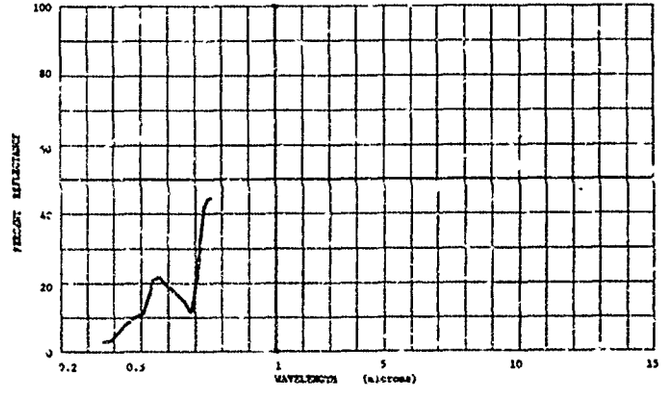


820000-332 SYCAMORE, LOWER LEAF SURFACE, FROM A BRANCH CUT 26 HOURS AND EXPOSED TO SUNLIGHT 1 DAY.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DK ECAD
ECB ECCA

PARAMETER INFORMATION
DATE= 2 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=

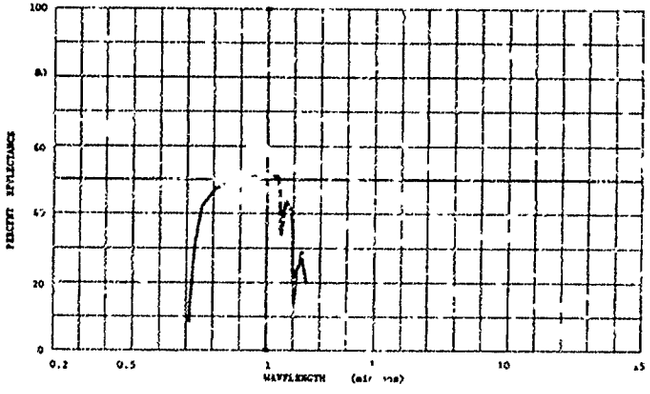
TEMP= DEW PT N AVE= 1



B20000-333 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 48 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DX ECCA
ECCE

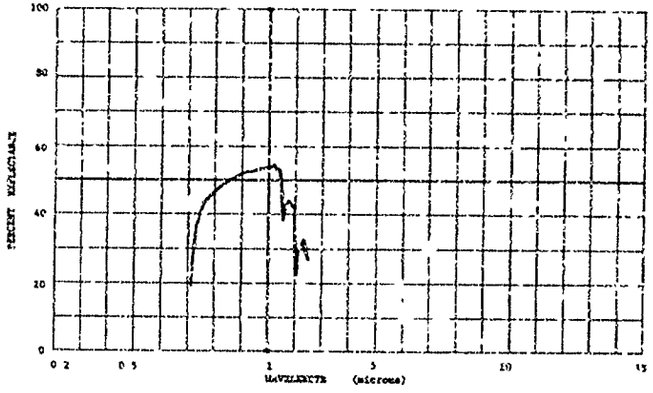
PARAMETER INFORMATIC
DATE= 3 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT % AVE= 1



B20000-334 SYCAMORE, LOWER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 48 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DX ECCA
ECCB

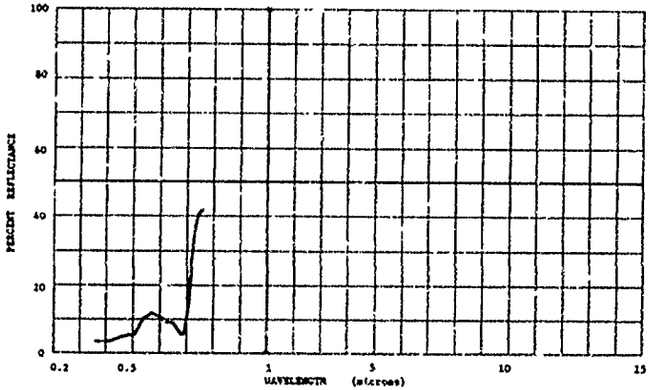
PARAMETER INFORMATION
DATE= 3 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT % AVE= 1



B20000-335 SYCAMORE, UPPER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 48 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DX ECAD
ECB ECCA

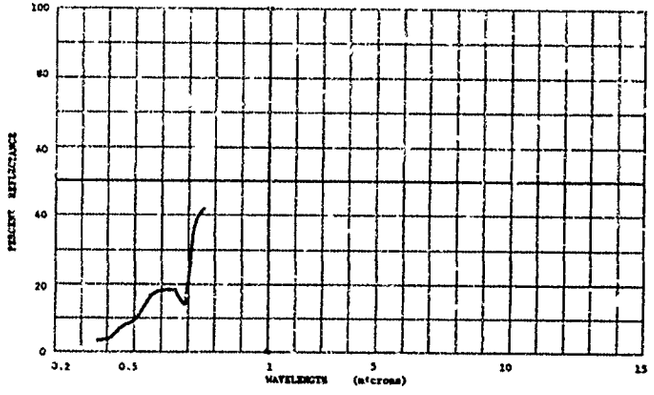
PARAMETER INFORMATION
DATE= 3 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT % AVE= 1



B20000-336 SYCAMORE, LOWER LEAF SURFACE, FROM A BRANCH CUT AND EXPOSED TO SUNLIGHT 48 HOURS.

SUBJECT CODES
BGDYA BGFBC CDA CED DFAA DFCE DX ECAD
ECB ECCA

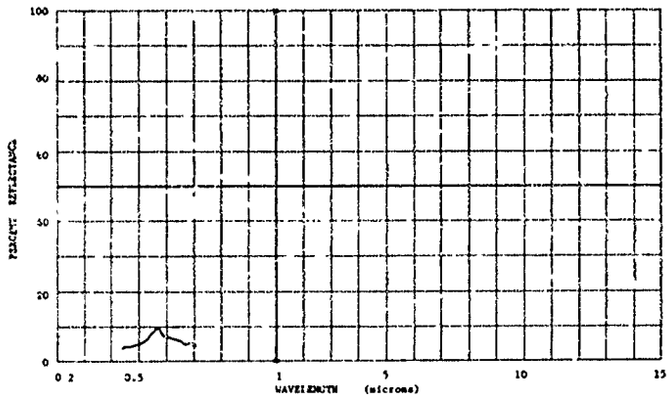
PARAMETER INFORMATION
DATE= 3 8 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 2 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT % AVE= 1



801761-045 RECBUD, CERSIS CANADENSIS, UPPER LEAF SURFACE.

SUBJECT CODES
RGEZ RGFBC CO CEC DFA DFCO DK ECO

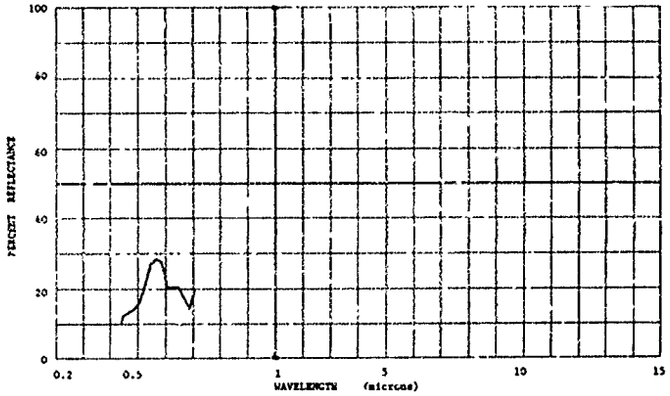
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CH= .0 CAZ= IRR= E
COST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-046 RECBUD, CERSIS CANADENSIS, LOWER LEAF SURFACE.

SUBJECT CODES
RGEZ RGFBC CO CEC DFA DFCO DK ECO

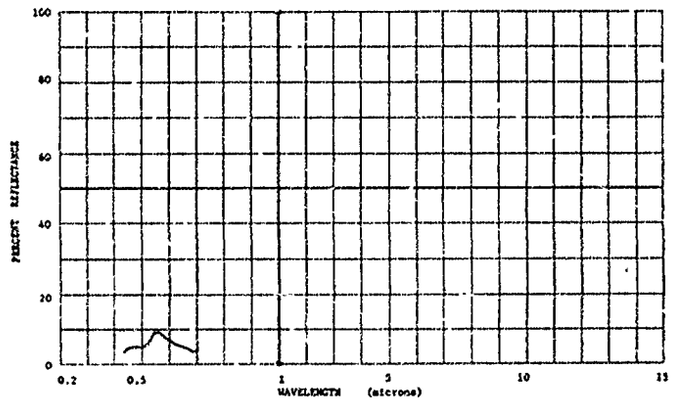
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CH= .0 CAZ= IRR= E
COST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-046 RECBUD, CERSIS CANADENSIS, YOUNG, UPPER LEAF SURFACE.

SUBJECT CODES
RGEZ RGFBC RGFC CO CEC DFA DFCO DK ECH

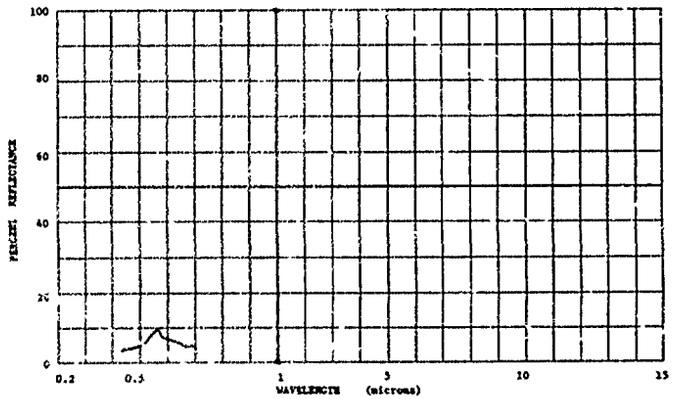
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CH= .0 CAZ= IRR= E
COST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-047 RECBUD, CERSIS CANADENSIS, OLD, UPPER LEAF SURFACE.

SUBJECT CODES
RGEZ RGFBC RGFC CO CEC DFA DFCO DK ECB

PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CH= .0 CAZ= IRR= E
COST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

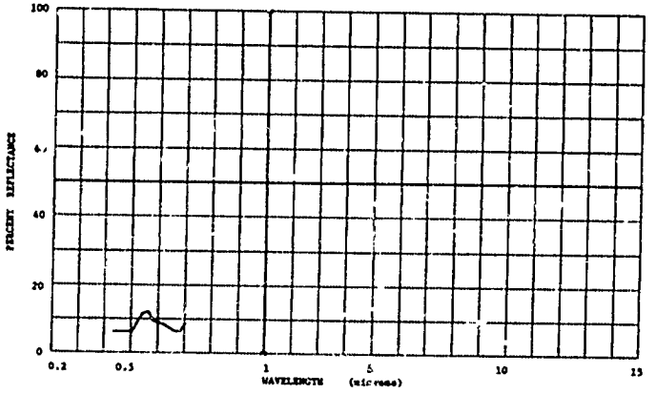


EOD 373

801761-017 SWEET GUM, LIQUIDAMBAR STYRACIFLUA, UPPER LEAF SURFACE.

SUBJECT CODES
BGEA BGFBC CD CED CFA DFCC CK ECB

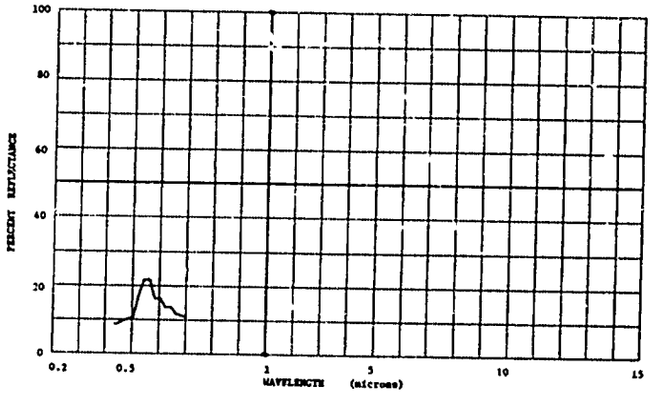
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-018 SWEET GUM, LIQUIDAMBAR STYRACIFLUA, LOWER LEAF SURFACE.

SUBJECT CODES
BGEA BGFBC CD CED CFA DFCC CK ECB

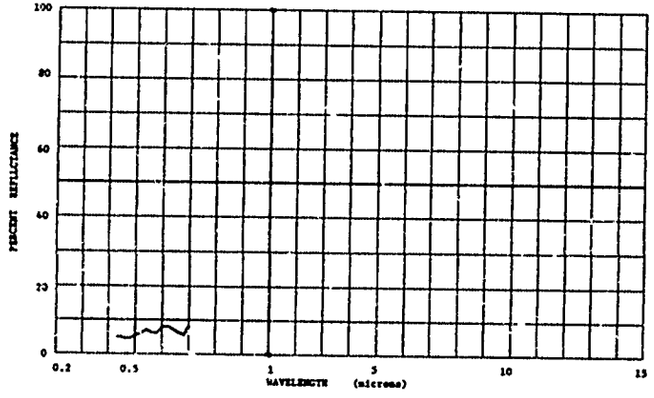
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



801761-062 CHERRY PLUM, PRUNUS PISSARDI, UPPER LEAF SURFACE.

SUBJECT CODES
BGEA BGFBC CD CED CFA DFCC CK ECB

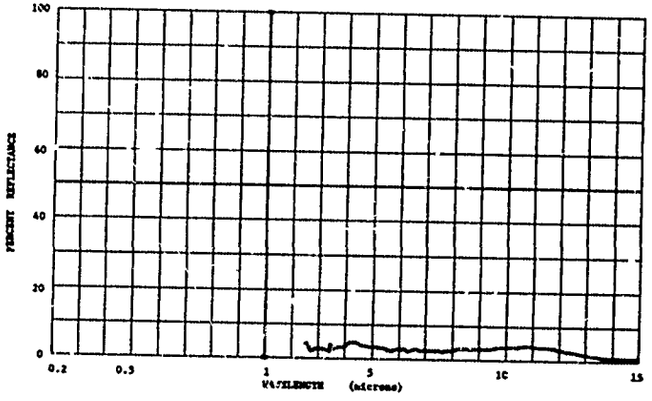
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803333-018 APPLE LEAF.

SUBJECT CODES
BGEA BGFB CD CED CFAA DK ECCB ECCC ECCD ECCE

PARAMETER INFORMATION
DATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

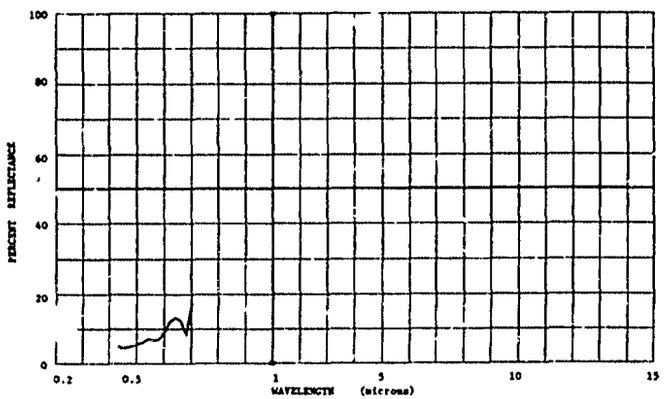


BGD 374

801761-065 VIRGINIA CREEPER, PSEDERA QUINQUEFOLIA, UPPER LEAF SURFACE.

SUBJECT CODES
RGEEA BGFBC CD CEC CFA DFCD CK ECB

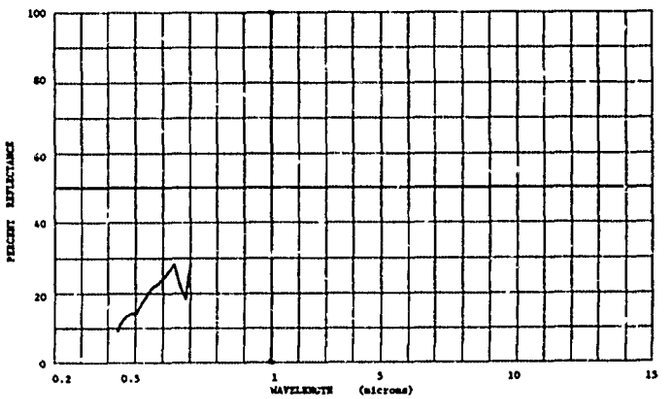
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



801761-066 VIRGINIA CREEPER, PSEDERA QUINQUEFOLIA, LOWER LEAF SURFACE.

SUBJECT CODES
RGECA BGFBC CD CEC CFA DFCD CK ECB

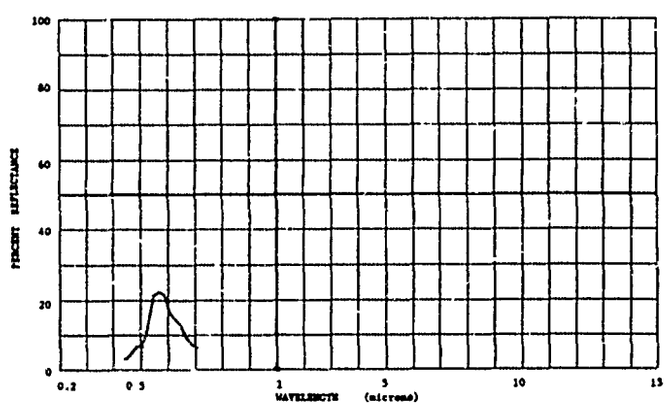
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



801761-040 COTTONWOOD, POPULUS DELTOIDES, YOUNG, UPPER LEAF SURFACE.

SUBJECT CODES
BGFFC BGFBE BGFC CD CEC DFA CFCD CK ECB

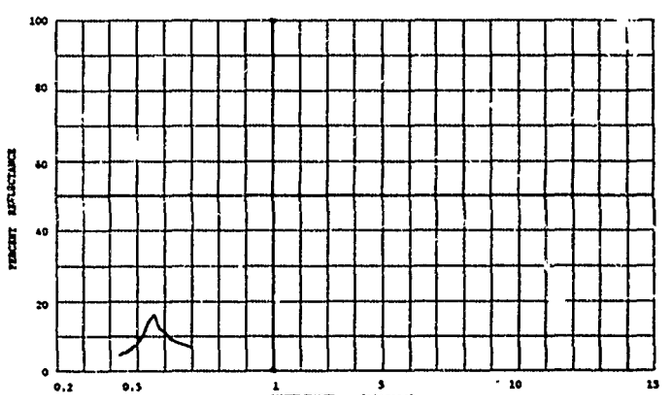
PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1



801761-041 COTTONWOOD, POPULUS DELTOIDES, OLD, UPPER LEAF SURFACE.

SUBJECT CODES
BGEFC BGFBC BGFC CD CEC DFA CFCD CK ECB

PARAMETER INFORMATION
DATE= 25 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= H AVE= 1

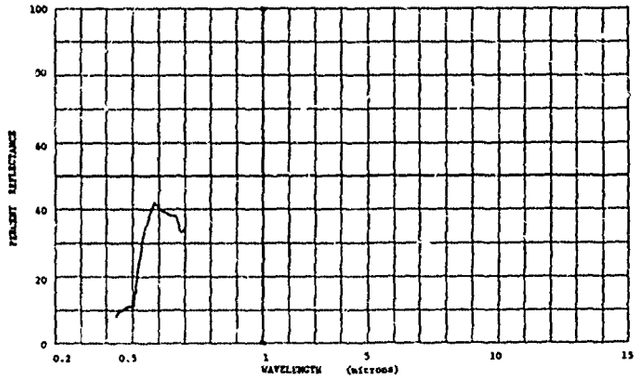


END 515

801761-067 COTTONWOOD, POPULUS DELTOIDES, UPPER LEAF SURFACE.

SUBJECT CODES
EGEF EGFBC BGPE CC CEC DFA DFCD DK ECB

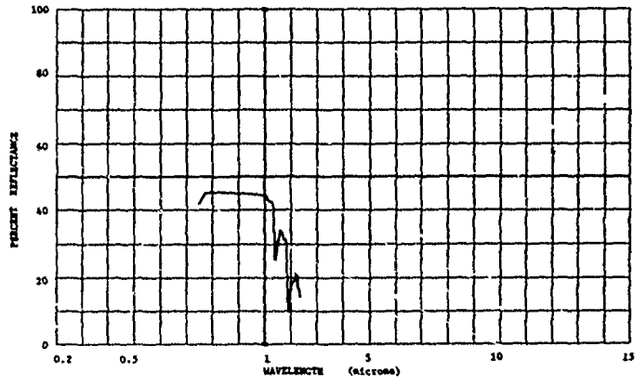
PARAMETER INFORMATION
CATE= 29 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= IN= IAZ= CN= .0 CAZ= IRR= E
COST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-088 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC DFAA DFCE DK ECB ECCA ECCB

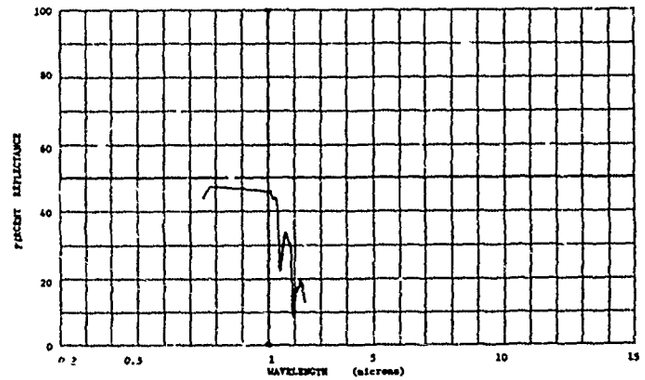
PARAMETER INFORMATION
CATE= 20 6 86 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-089 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC DFAA DFCE DK ECB ECCA ECCB

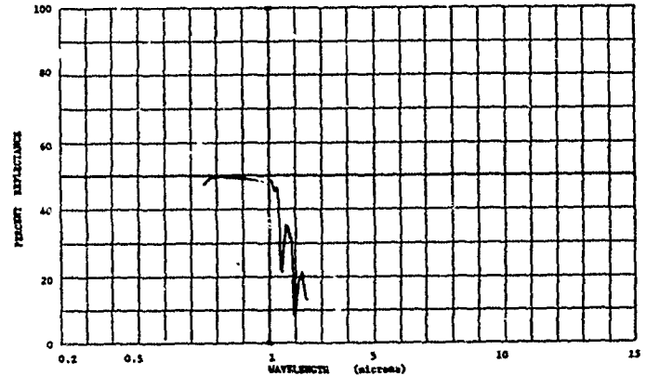
PARAMETER INFORMATION
CATE= 20 6 86 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-090 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC DFAA DFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 20 6 86 TIME= LAT= LONG= ALT= RANGE=
DAYS AE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TEMPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

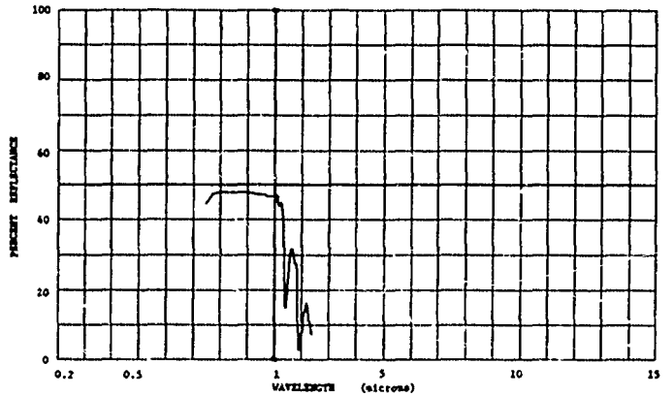


BGD 216

820000-091 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA BCFBC CCA CEC CFAA DFCE CK ECB ECCA ECCB

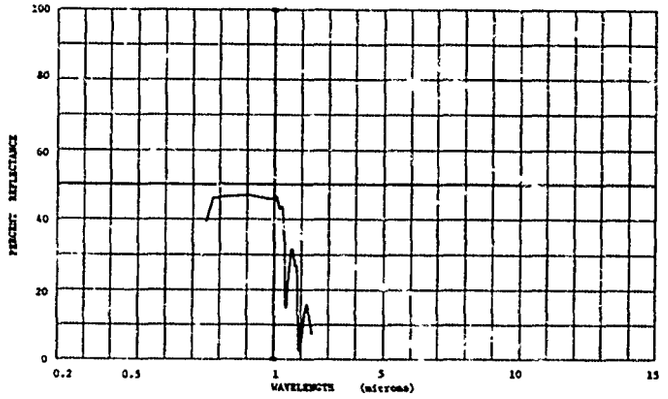
PARAMETER INFORMATION
CATE= 20 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-092 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA BCFBC CCA CEC CFAA DFCE CK ECCA ECCB

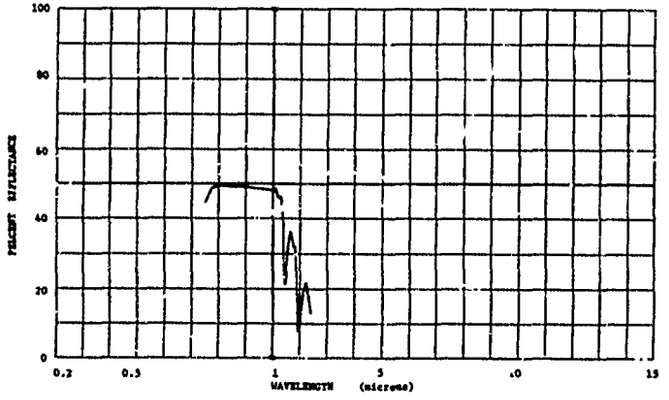
PARAMETER INFORMATION
CATE= 20 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-093 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA BCFBC CCA CEC CFAA DFCE CK ECCA ECCB

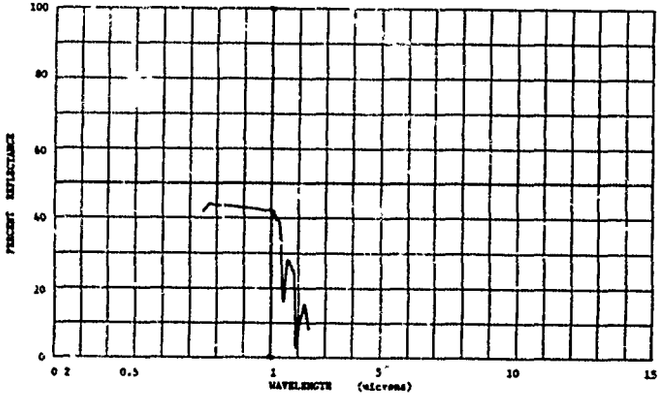
PARAMETER INFORMATION
CATE= 20 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-094 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA BCFBC CCA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 21 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

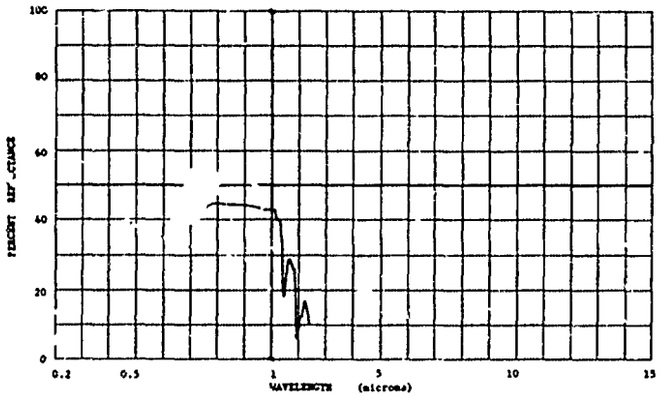


BGD 377

82C000-095 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

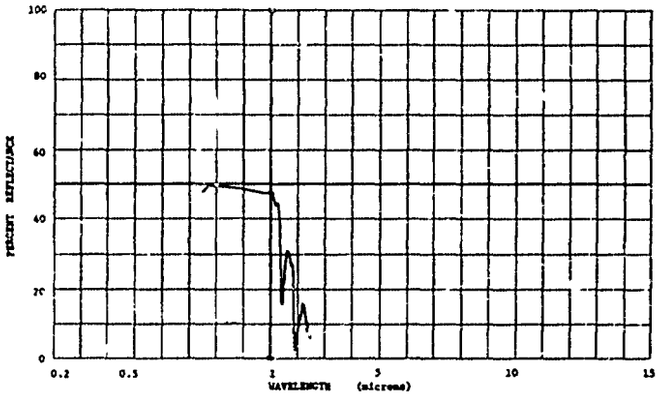
PARAMETER INFORMATION
CATE= 21 C 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82C000-096 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

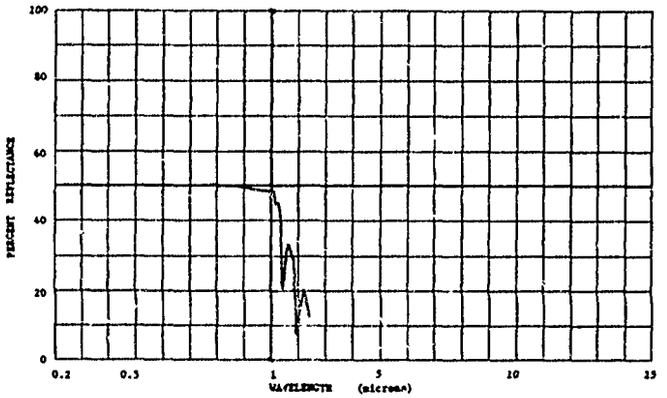
PARAMETER INFORMATION
CATE= 21 C 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 1 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82C000-097 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

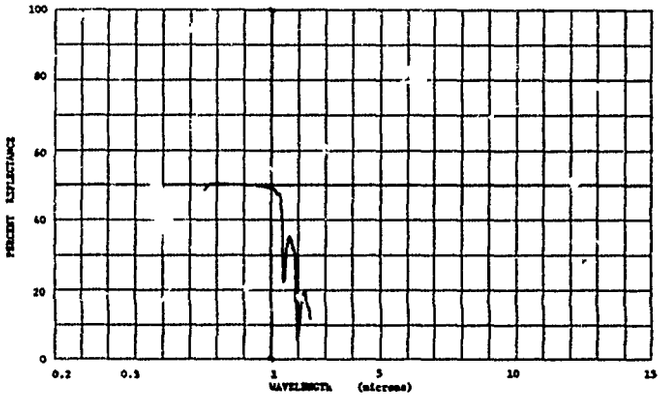
PARAMETER INFORMATION
CATE= 21 C 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= C IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82C000-098 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CDA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 21 C 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

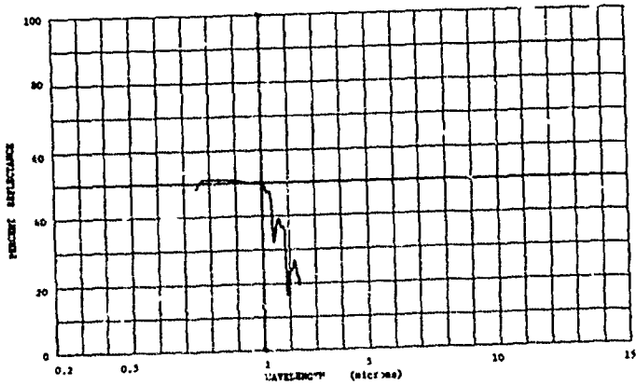


BLDG 318

820000-C99 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

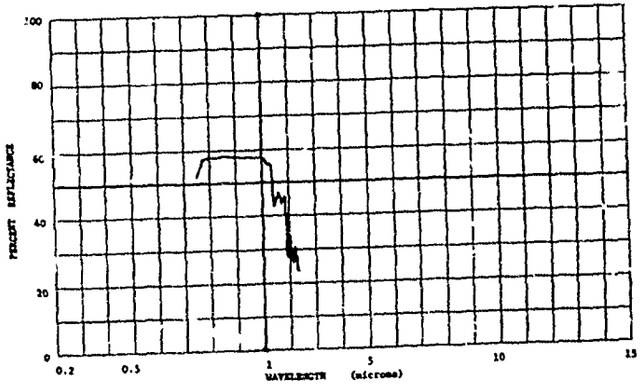
PARAMETER INFORMATION
CATE= 21 4 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-100 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

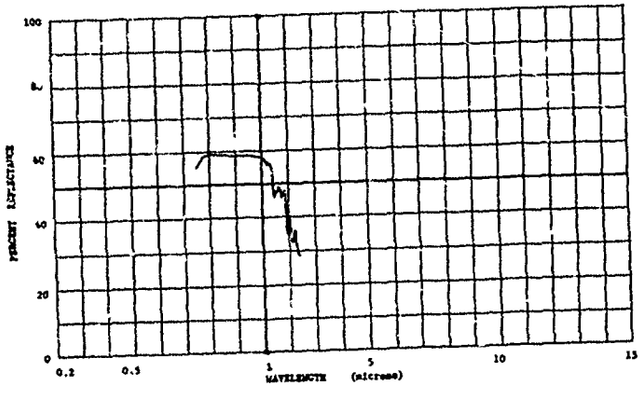
PARAMETER INFORMATION
CATE= 21 4 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-101 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
BGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

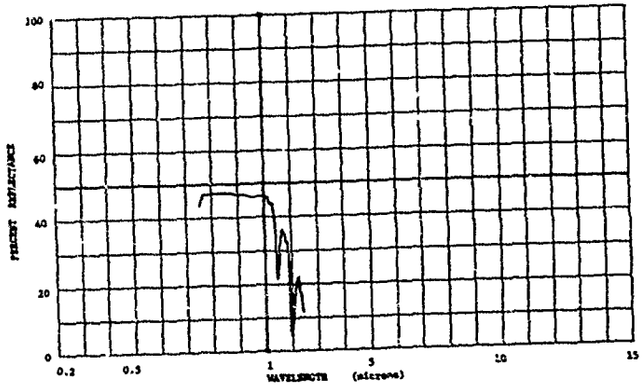
PARAMETER INFORMATION
CATE= 21 4 44 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-102 ASPEN, UPPER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
BGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 22 4 44 TIME= 930 LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

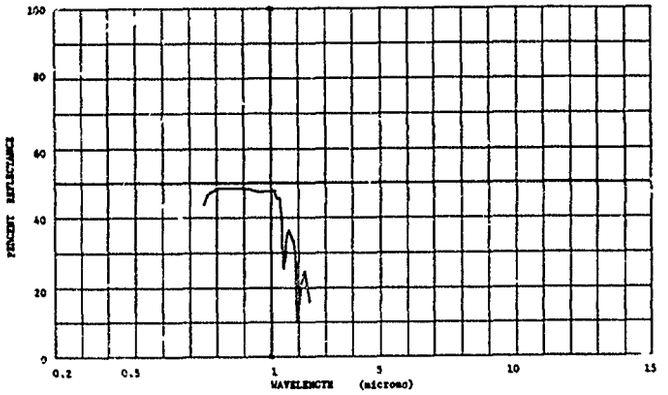


AD-A 118

B20000-103 ASPEN, LOWER LEAF SURFACE, 1 HOUR AFTER PICKING.

SUBJECT CODES
EGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

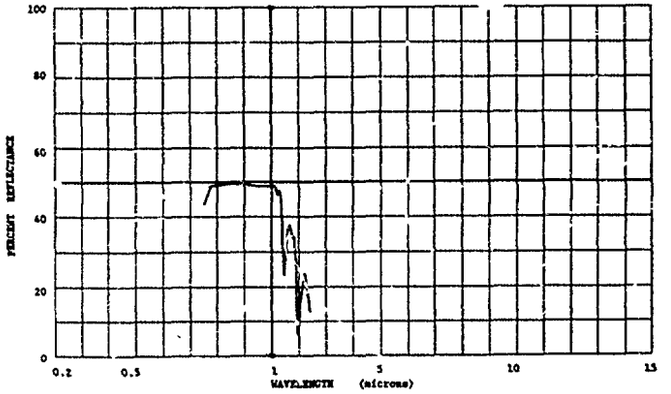
PARAMETER INFORMATION
CATE= 22 6 66 TIME= 930 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-104 ASPEN, UPPER LEAF SURFACE, 2 HOURS AFTER PICKING.

SUBJECT CODES
EGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

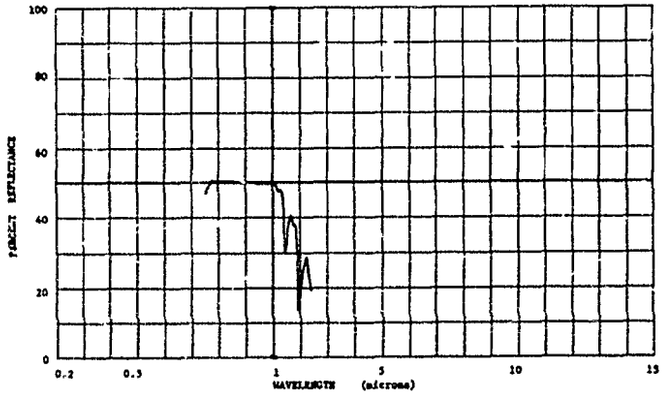
PARAMETER INFORMATION
CATE= 22 6 66 TIME= 1030 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-105 ASPEN, LOWER LEAF SURFACE, 2 HOURS AFTER PICKING.

SUBJECT CODES
EGEFA BGFBC CDA CEC CFAA DFCE CK ECCA ECCB

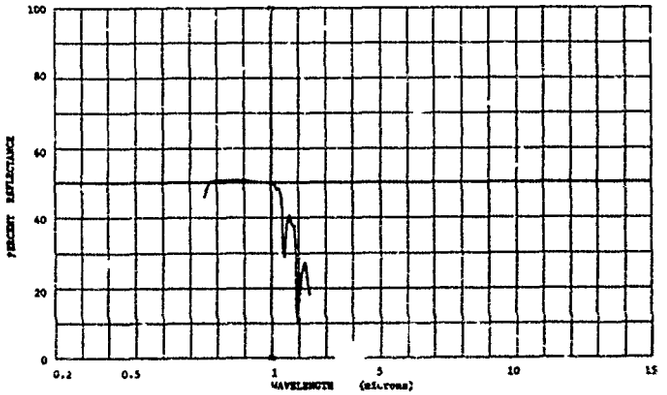
PARAMETER INFORMATION
CATE= 22 6 66 TIME= 1030 LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-106 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA BGFBC CDA CED CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 22 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

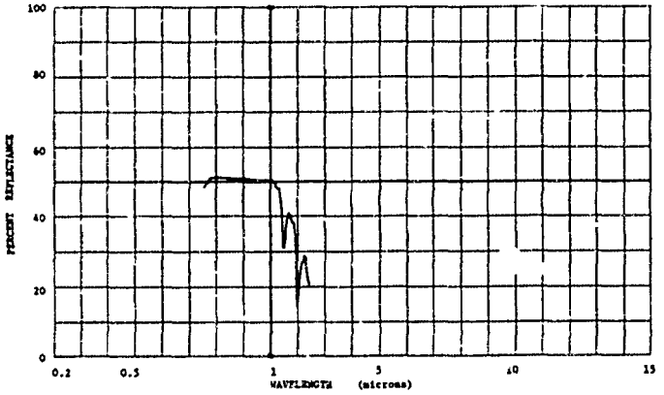


BGD 80

820000-107 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

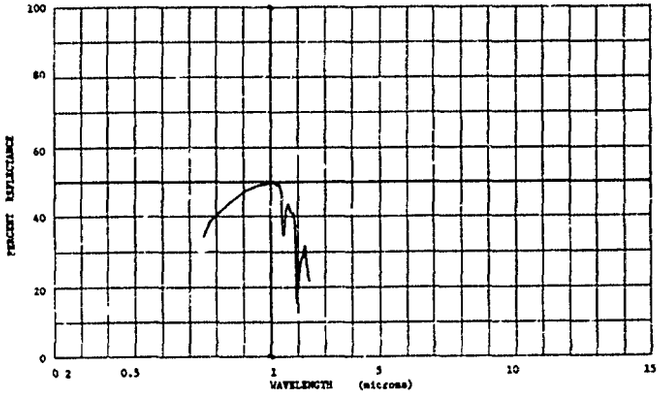
PARAMETER INFORMATION
DATE= 22 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-108 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

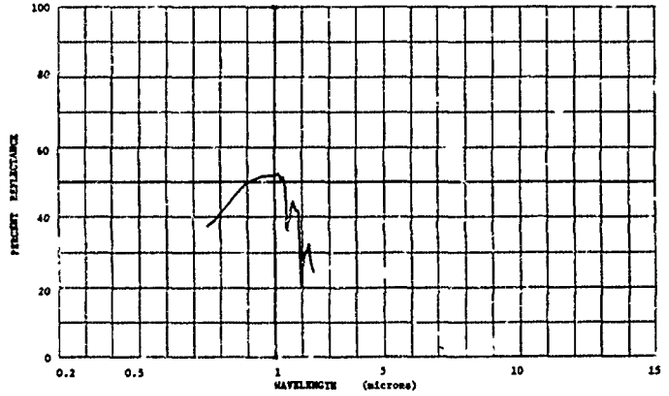
PARAMETER INFORMATION
DATE= 22 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-109 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

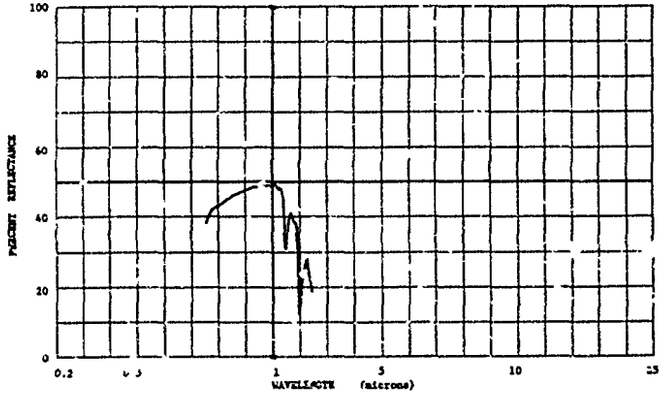
PARAMETER INFORMATION
DATE= 22 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



820000-110 ASPEN, UPPER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

PARAMETER INFORMATION
DATE= 23 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

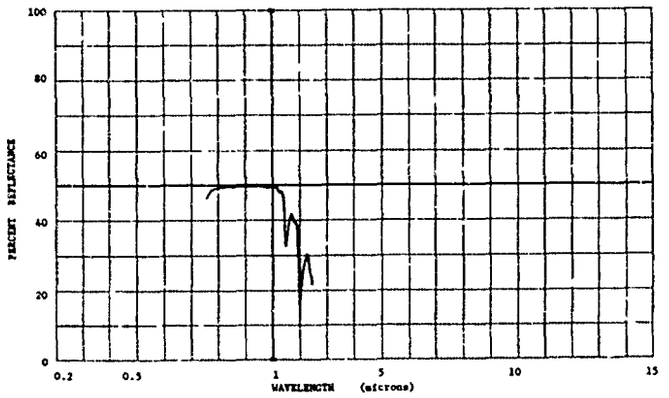


EGD 881

820000-111 ASPEN, LOWER LEAF SURFACE, BEFORE PICKING.

SUBJECT CODES
EGEFA EGFBC CCA CEC CFAA DFCE CK ECCA ECCB

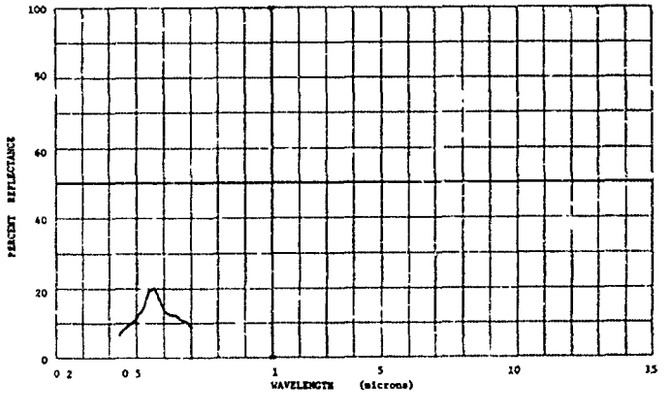
PARAMETER INFORMATION
CATE= 23 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-028 WHITE POPLAR, POPULUS ALBA, UPPER LEAF SURFACE.

SUBJECT CODES
EGEFA EGFBC CC CEC CFA DFCC CK ECB

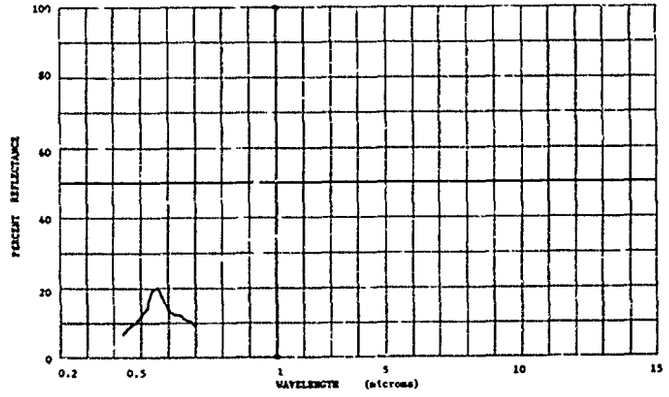
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-056 WHITE POPLAR, POPULUS ALBA, UPPER LEAF SURFACE.

SUBJECT CODES
EGEFA ECFBC CC CEC CFA DFCC CK ECB

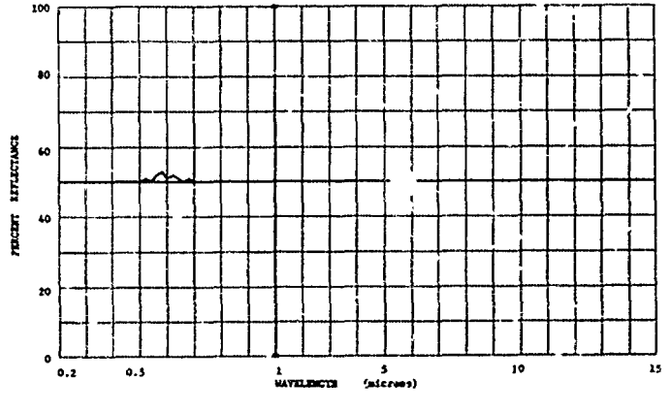
PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



801761-057 WHITE POPLAR, POPULUS ALBA, LOWER LEA. SURFACE.

SUBJECT CODES
EGEFA ECFBC CD CEC CFA DFCC CK ECB

PARAMETER INFORMATION
CATE= 25 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



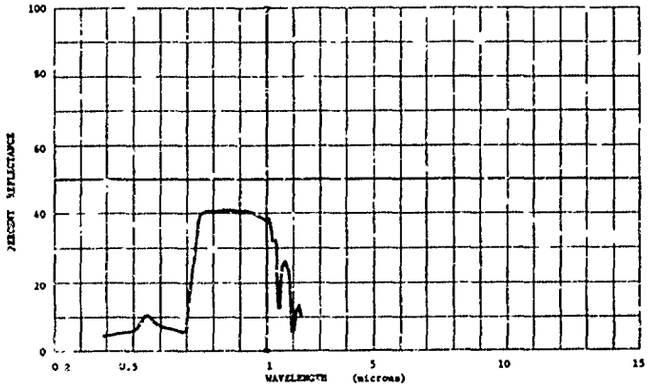
BEST AVAILABLE COPY

B03070-001 POPULUS DELTOIDES.

SUBJECT CODES
BGEPB BGFBD CC CED CFA ECB ECCA ECCB

PARAMETER INFORMATION

DATE=	64	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=		IN=	IAZ=	CN=	CAZ=	IRR= E
CUST=		ITEMP=	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=		DEW PT=	N AVE= 1			

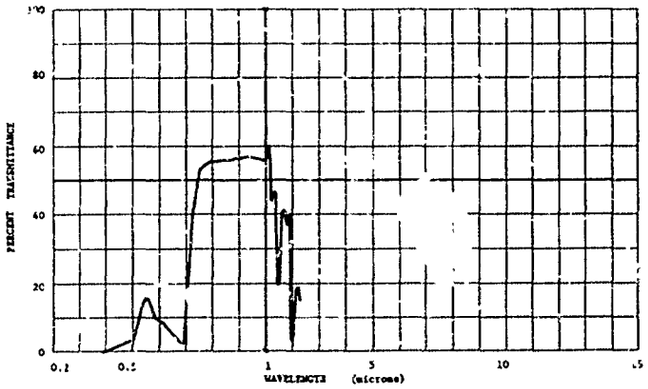


B03070-002 POPULUS DELTOIDES.

SUBJECT CODES
BGEPB BGFB CC CED CI DK ECB ECCA ECCB

PARAMETER INFORMATION

DATE=	64	TIME=	LAT=	LONG=	ALT=	RANGE=
DAYS RE=		IN=	IAZ=	CN=	CAZ=	IRR= C
CUST=		ITEMP=	WIND SP=	WIND DI=	CLD=	VIS=
TEMP=		DEW PT=	N AVE= 1			

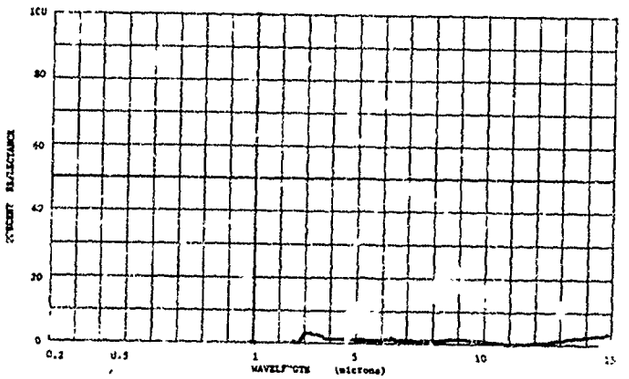


BGD 383

BC3333-017 TAP WATER, .25 INCHES DEEP ON STEEL.

SUBJECT CODES
ZHEC AEL CO CEC CPAA DK ECCB ECCC ECCD ECCE

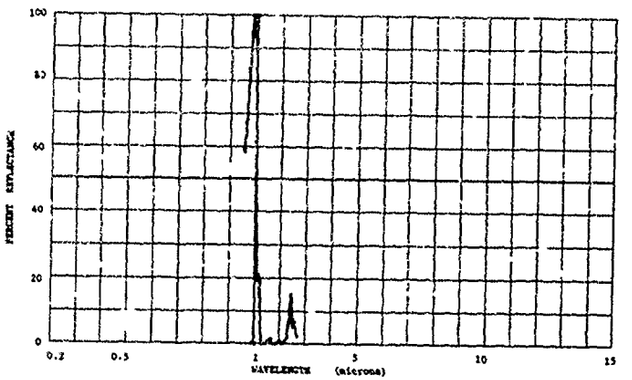
PARAMETER INFORMATION
CATE= 64 TIME= LAT= LONG= ALT= RANGE=
DAYS AB= 0 IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= R AVE= 1



BD4424-001 SNOW, MOIST.

SUBJECT CODES
ZHEC CCO CFC CFC CFCS DKK KCCA ECCB

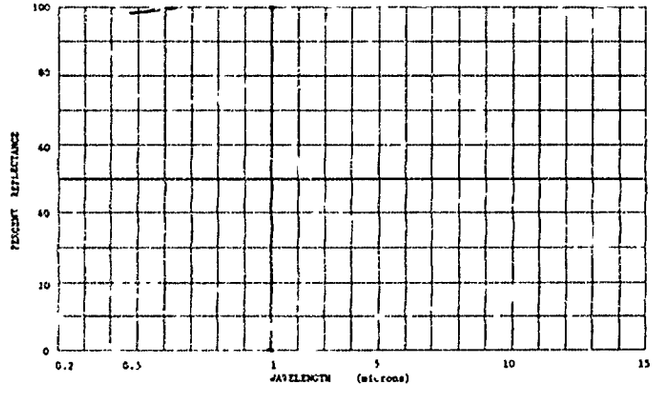
PARAMETER INFORMATION
CATE= 65 TIME= LAT= LONG= ALT= RANGE=
DAYS AB= IN= 30.0 IAZ= CN= .0 CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLO= VIS=
TEMP= DEW PT= R AVE= 1



BC3257-001 MAGNESIUM OXIDE (COEFFICIENT OF REFLECTION)

SUBJECT CODES
CJAA CC LEC CPA CK ZCB

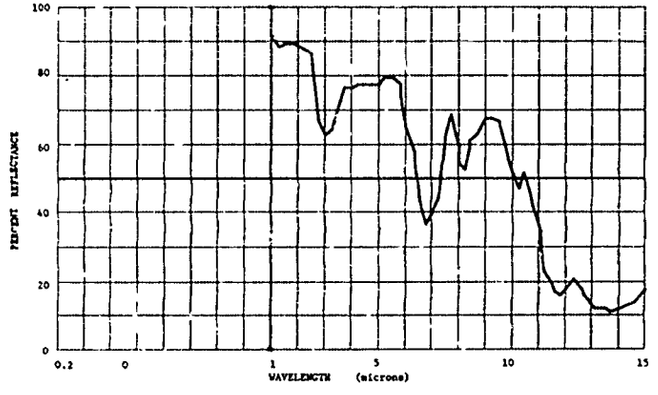
PARAMETER INFORMATION
CATE= 48 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-078 MAGNESIUM OXIDE, 1U MIL, ON POLISHED ALUMINUM.

SUBJECT CODES
CJAA CPCE AEA CC CEC DFA CK ECAD ECH ECCA
ECCB ECCC ECCC ECCE

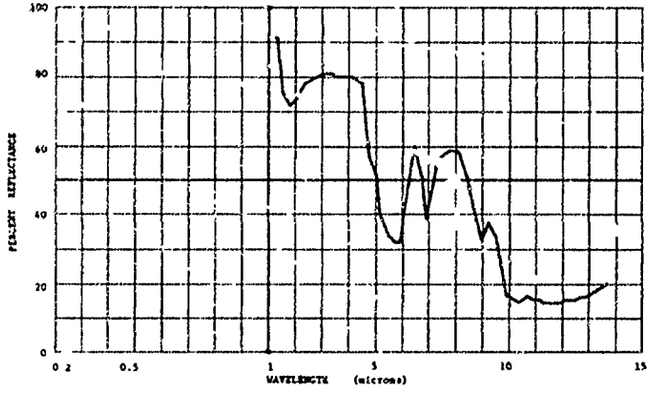
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-079 MAGNESIUM OXIDE, 36 MIL, ON POLISHED ALUMINUM.

SUBJECT CODES
CJAA CPCE AEA CC CEC DFA CK ECAD ECH CCCA
ECCB ECCC ECCC ECCE

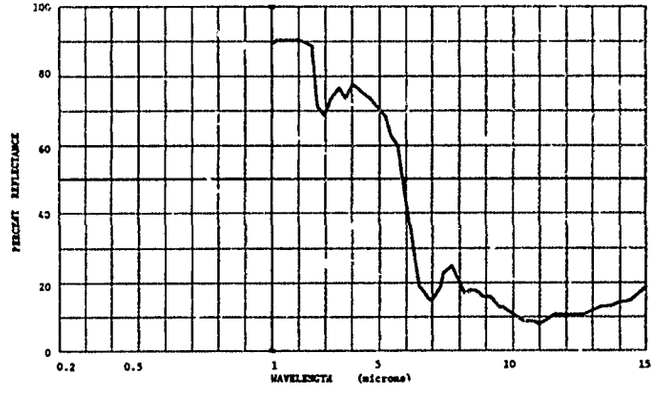
PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



804979-080 MAGNESIUM OXIDE, 4C MIL, ON BLACK BASE.

SUBJECT CODES
CJAA CPCE ECBBL CC CEC DFA CK ECAD ECH ECCA
ECCB ECCC ECCC ECCE

PARAMETER INFORMATION
CATE= 4C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

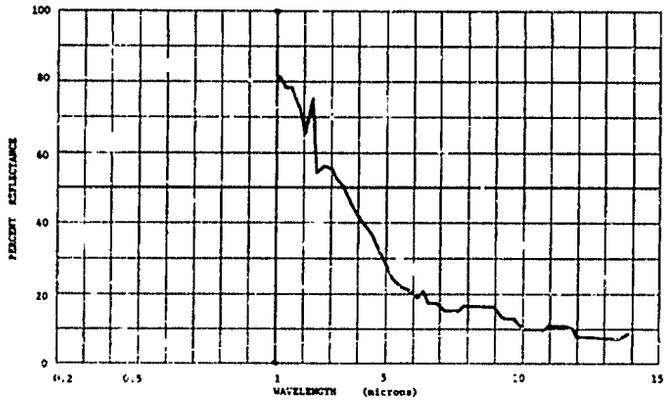


C1

804979-681 MAGNESIUM OXIDE, 6 MIL, ON BLACK BASE.

SUBJECT CODES
CJAA CFCE ECBBL CD CEC CFA CK ECAD ECB ECCA
ECCB ECCC ECCD ECCE

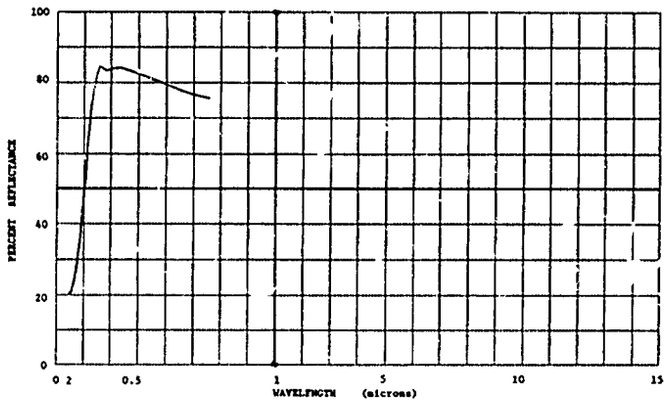
PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-169 MAGNESIUM OXIDE, SODIUM SILICATE BINDER.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECAC ECAD

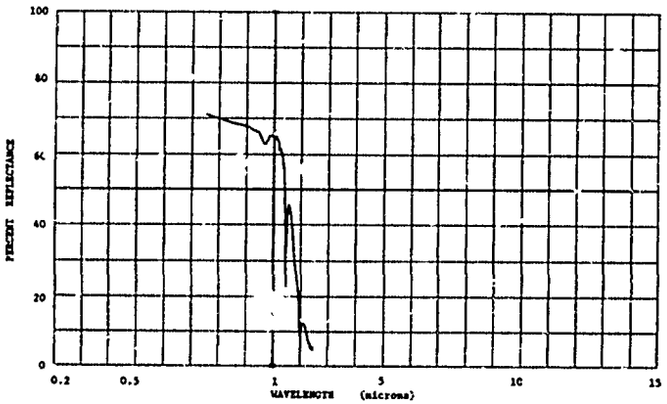
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-170 MAGNESIUM OXIDE POWDER IN SODIUM SILICATE BINDER.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECCA ECCB

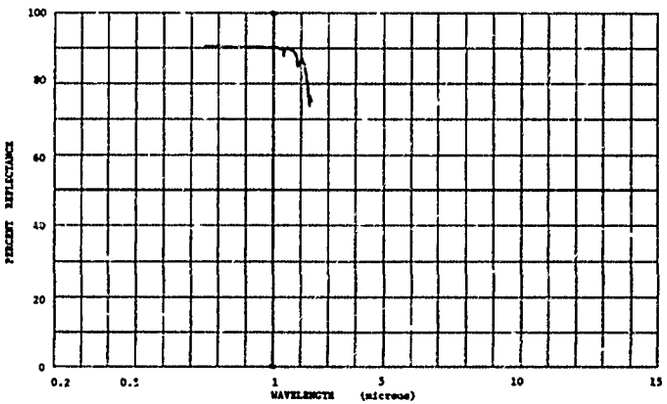
PARAMETER INFORMATION
DATE= 8 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-176 MAGNESIUM OXIDE, SODIUM SILICATE BINDER, BAKED AT 600 DEGREES CENTIGRADE.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECCA ECCB

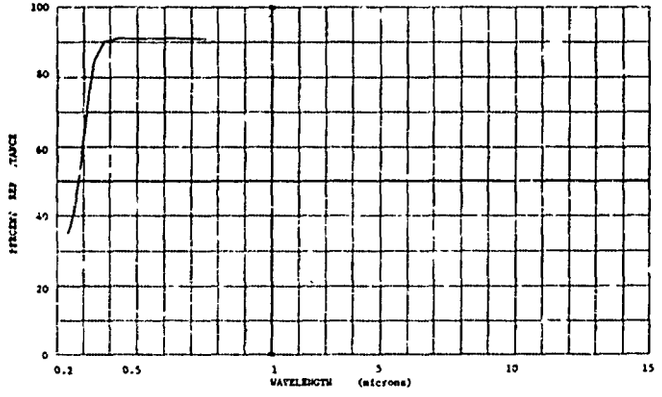
PARAMETER INFORMATION
DATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82CCCO-177 MAGNESIUM OXIDE, SODIUM SILICATE BINDER, BAKED AT 60C DEGREES CENTIGRADE.

SUBJECT CODES
CJAA CCA C5C CFAA CFCE DK ECAC ECAD ECB ECCA

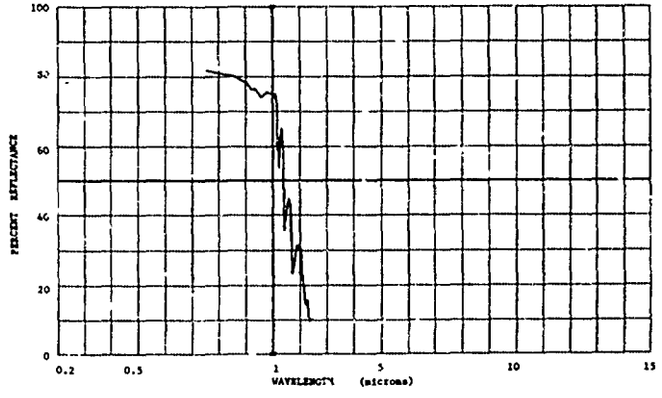
PARAMETER INFORMATION
CATE= 11 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= 0 IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TYEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-185 MAGNESIUM OXIDE, CAST IN ARELDITE.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECCA ECCB

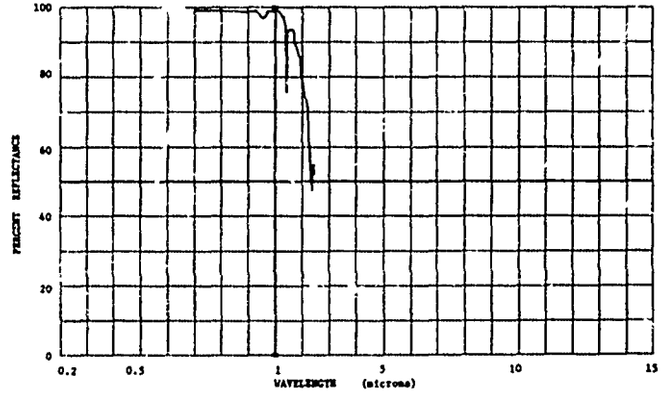
PARAMETER INFORMATION
CATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TYEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-186 MAGNESIUM OXIDE, ETHYL CELLULOSE BINDER.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECCA ECCB

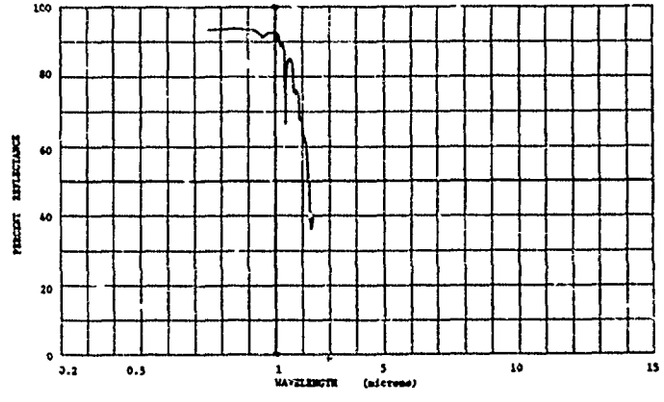
PARAMETER INFORMATION
CATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TYEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



82CCCO-188 MAGNESIUM OXIDE, COLLODION BINDER, DRIED AT 100 DEGREES C.

SUBJECT CODES
CJAA CCA CEC CFAA CFCE DK ECCA ECCB

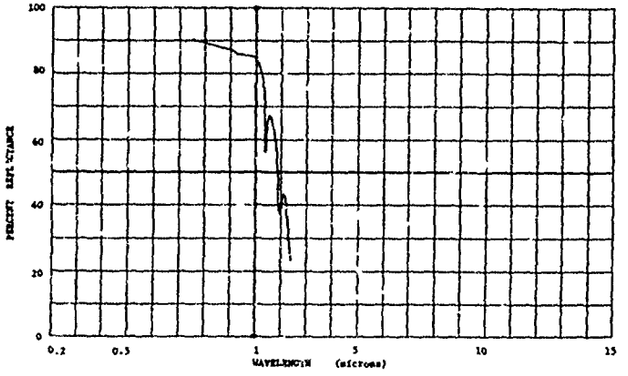
PARAMETER INFORMATION
CATE= 12 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TYEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-190 MAGNESIUM OXIDE, BAKED POWDER.

SUBJECT CODES
CJAA CEA CEC CFAA CFCE DK ECCA ECCB

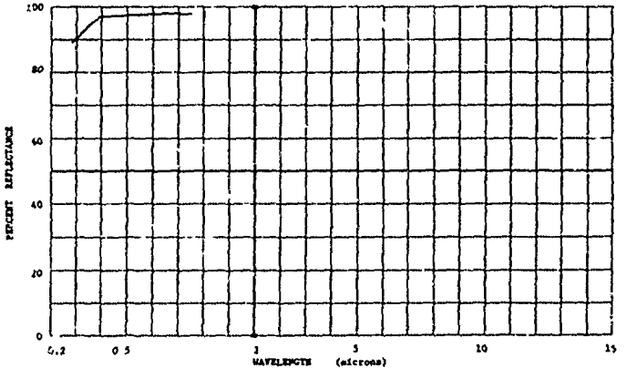
PARAMETER INFORMATION
CATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-017 SMOKED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAA CEA CEC CFAA CFCE DK ECAC ECAD ECB ECCA

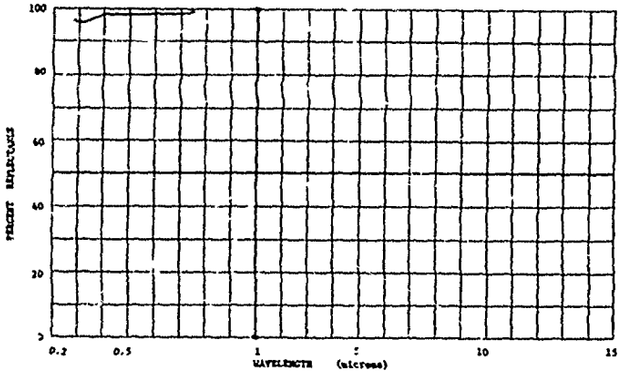
PARAMETER INFORMATION
CATE= 19 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-018 FRESHLY SMOKED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAA CEA CEC CFAA CFCE DK ECAC ECAD ECB ECCA

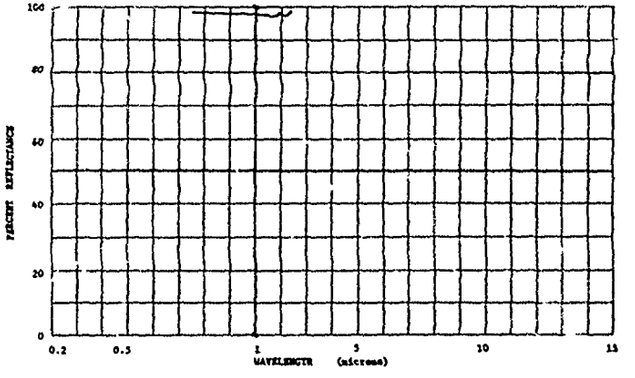
PARAMETER INFORMATION
CATE= 19 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-081 FRESHLY SMOKED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAA CEA CEC CFAA CFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 18 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

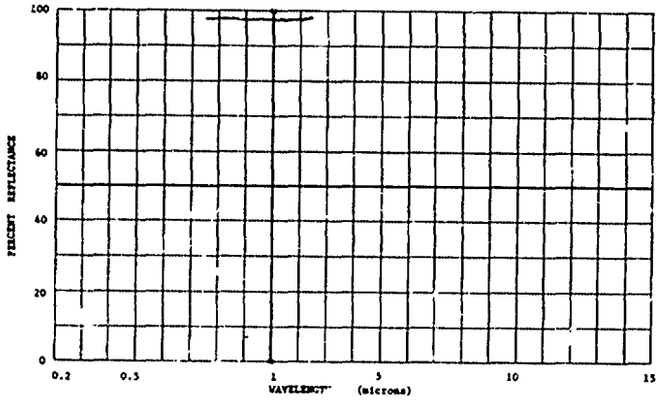


C4

B20000-084 SMOKED MAGNESIUM OXIDE, EVACUATED 16 HOURS.

SUBJECT CODES
CJAAA CCA CEC CFAA CFCE DK ECB ECCA ECCB

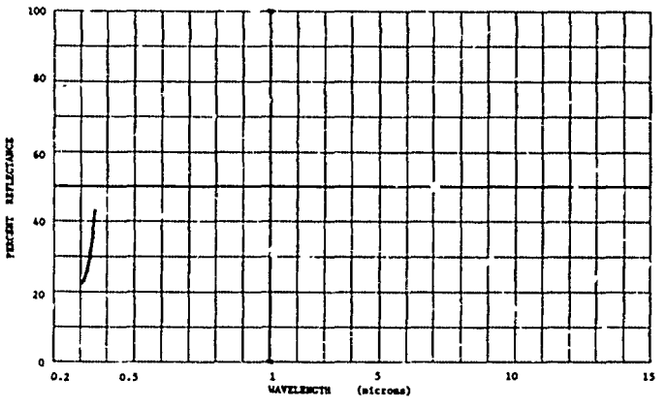
PARAMETER INFORMATION
DATE= 18 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-273 SMOKED MGO.

SUBJECT CODES
CJAAA CFCE CCA CEC CFAA DFCE CK ECAC ECAD ECB

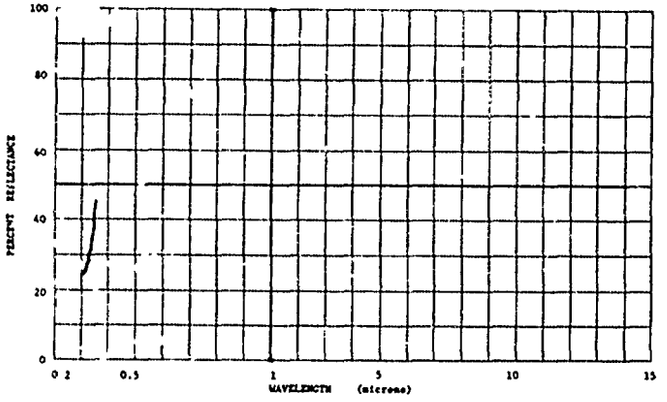
PARAMETER INFORMATION
DATE= 26 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-274 SMOKED MGO IRRADIATED WITH UV.

SUBJECT CODES
CJAAA CFCE CCA CEC CFAA CFCE CK ECAC ECAD ECB

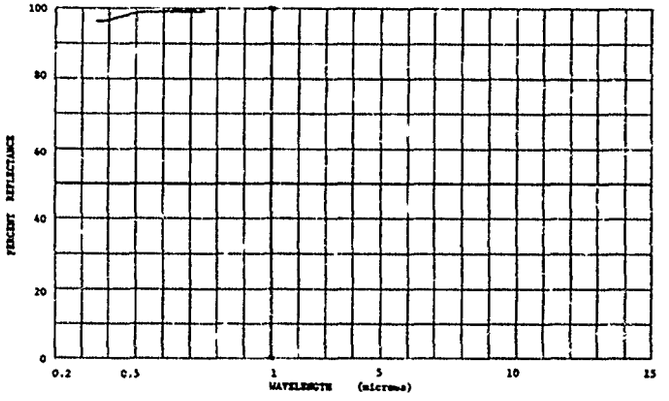
PARAMETER INFORMATION
DATE= 26 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-009 PRESSED MAGNESIUM OXIDE POWDER.

SUBJECT CODES
CJAAA CCA CEC CFAA CFCE DK ECAD ECB ECCA CCCB

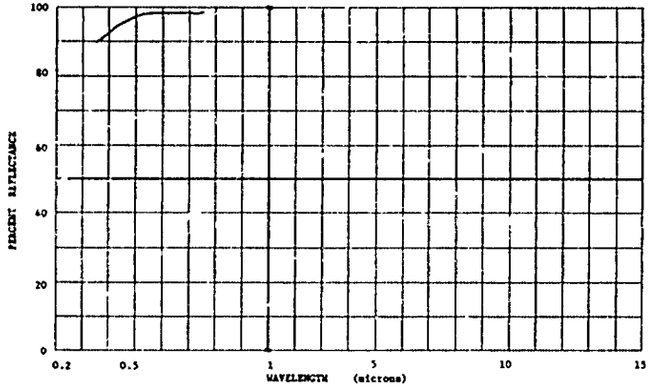
PARAMETER INFORMATION
DATE= 5 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 5.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-010 PRESSED MAGNESIUM OXIDE POWDER.

SUBJECT CODES
CJAAB CCA CEC CFAA CFCE DK ECAD ECB ECCA ECCB

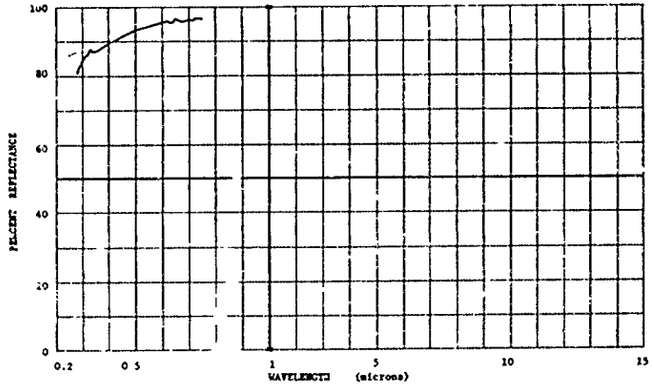
PARAMETER INFORMATION
CATE= 5 4 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



B20000-019 OLD PRESSED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAB CCA CEC CFAA CFCE DK ECAC ECAD ECB ECCA

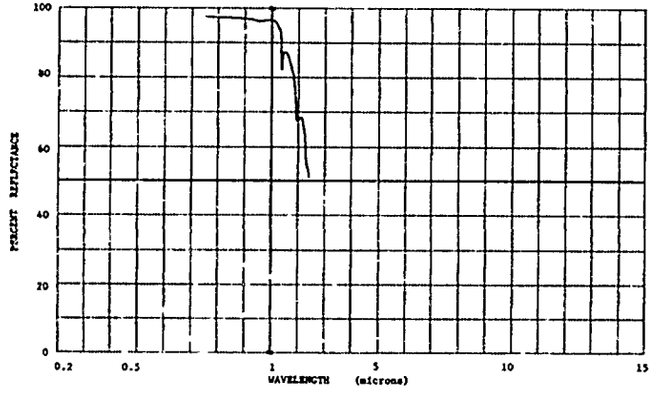
PARAMETER INFORMATION
CATE= 19 5 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



B20000-082 OLD PRESSED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAB CCA CEC CF ECB ECCA CCCB

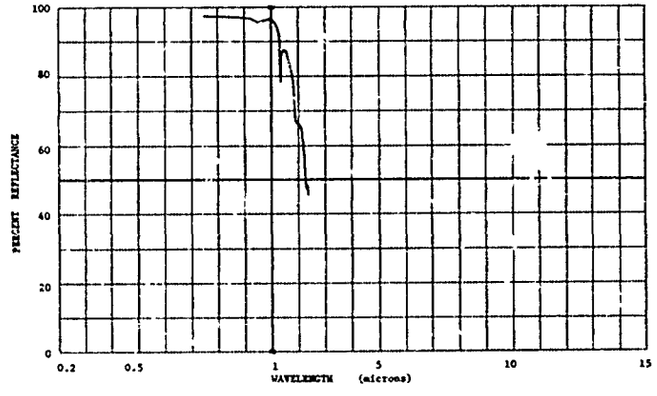
PARAMETER INFORMATION
CATE= 18 4 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1



B20000-083 FRESHLY PRESSED MAGNESIUM OXIDE.

SUBJECT CODES
CJAAB CCA CEC CFAA CFCE DK ECB ECCA ECCB

PARAMETER INFORMATION
CATE= 17 4 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= ITEPP= WIND SP= WIND DI= CLD= VIS=
TEPP= DEW PT= A AVE= 1

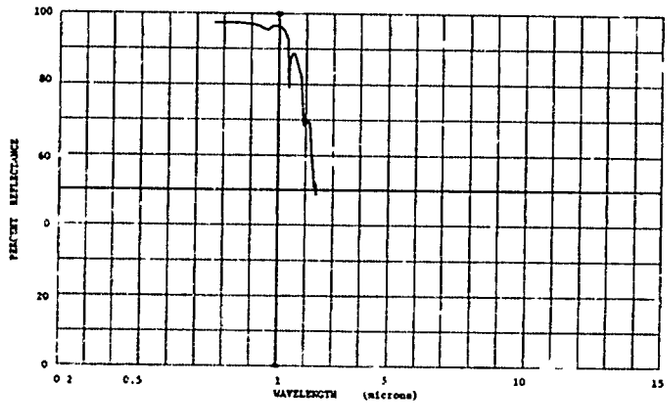


C16

B2C000-085 FRESHLY PRESSED MAGNESIUM OXIDE POWDER DEHYDRATED FOR 16 HOURS.

SUBJECT CODES
CJAAE CCA CEC DFAA DFCE DK ECB ECCA ECCB

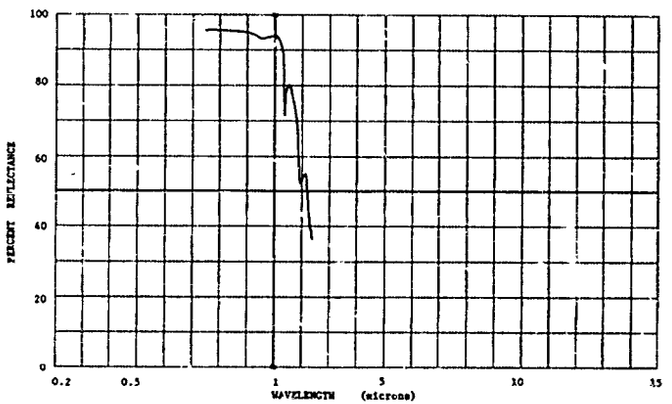
PARAMETER INFORMATION
DATE= 18 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C000-086 PRESSED MAGNESIUM OXIDE POWDER.

SUBJECT CODES
CJAAE CCA CEC DFAA DFCE DK ECB ECCA ECCB

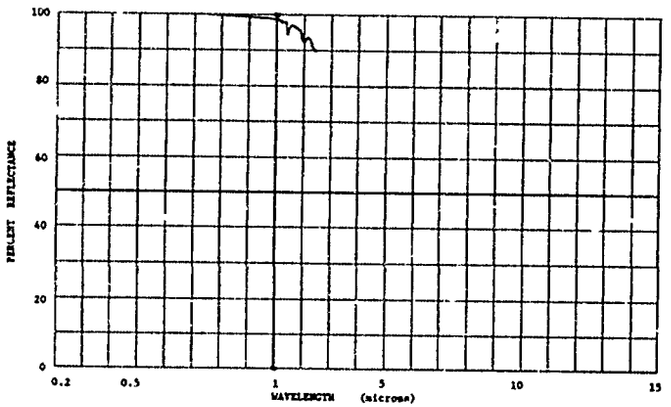
PARAMETER INFORMATION
DATE= 18 6 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B2C000-132 LEAD OXIDE AND MAGNESIUM OXIDE PELLET.

SUBJECT CODES
CJAAE CFC CCA CEC DFAA DFCE DK ECCA ECCB

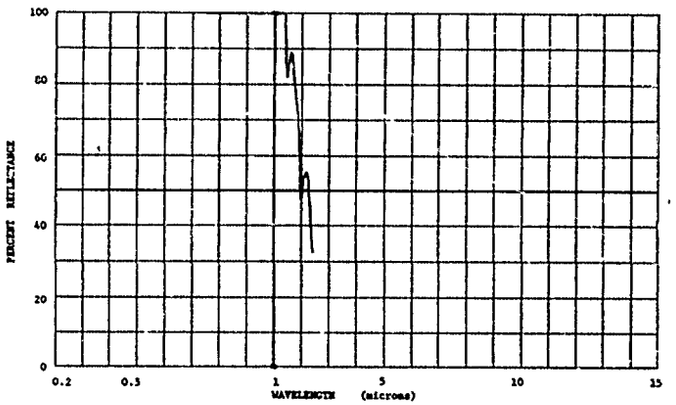
PARAMETER INFORMATION
DATE= 1 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



B20000-146 MAGNESIUM OXIDE POWDER AS RECEIVED FROM CHEM STORES.

SUBJECT CODES
CJAAE CCA CEC DFAA DFCE DK ECCA ECCB

PARAMETER INFORMATION
DATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

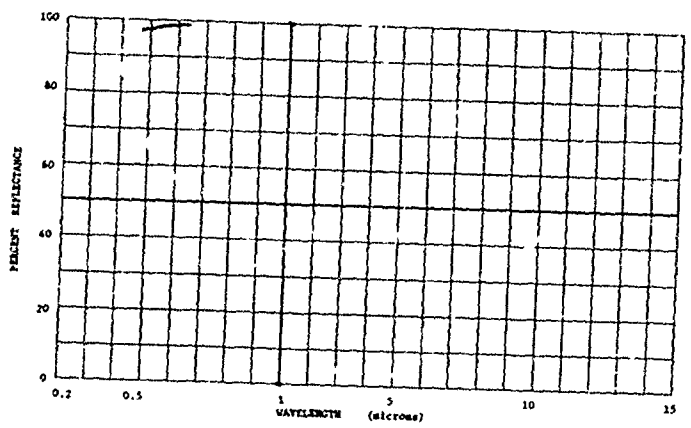


C-7

803257-002 MAGNESIUM CARBONATE (COEFFICIENT OF REFLECTION)

SUBJECT CODES
CJAB CC CED CFA CK ECB

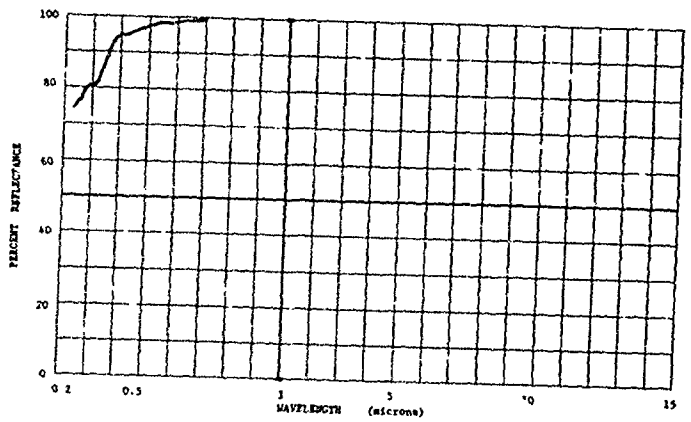
PARAMETER INFORMATION
DATE= 48 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803303-001 MAGNESIUM CARBONATE BLOCK.

SUBJECT CODES
CJAB CFCC CCA CEC CFA CFCE CK ECAC ECAD ECB

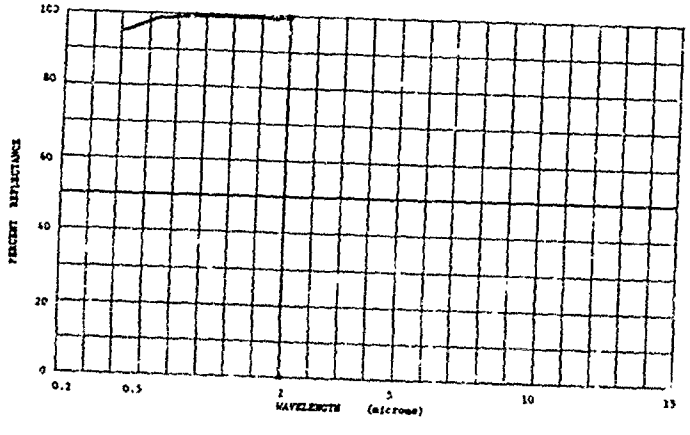
PARAMETER INFORMATION
DATE= 59 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE=



803303-002 MAGNESIUM CARBONATE BLOCK.

SUBJECT CODES
CJAB CFCC CDC CEC CFA CFCE CK ECB FCCA

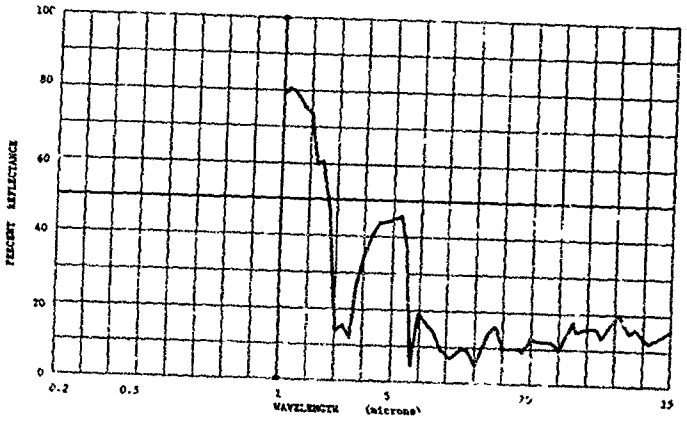
PARAMETER INFORMATION
DATE= 59 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE=



804979-003 MAGNESIUM CARBONATE, 20 MIL, ON POLISHED ALUMINUM.

SUBJECT CODES
CJAB CFCC AEA CD CEC DFA CK ECAD ECB ECCA
ECCB ECCC CCCC ECCC

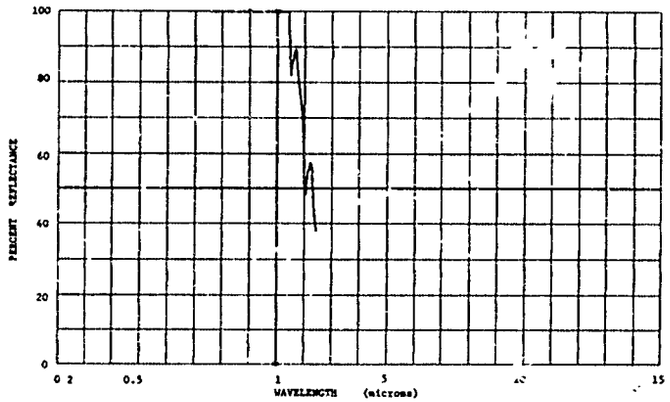
PARAMETER INFORMATION
DATE= 60 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= IAZ= CN= CAZ= IRR= E
OBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82C00C0-145 MAGNESIUM CARBONATE, PRESSED POWDER. PAINTED WITH ALCOHOL SOLUTION OF CHLOROPHYLL.

SUBJECT CODES
CJAB CEA CEC CFAA CFCE DK ECCA ECCB

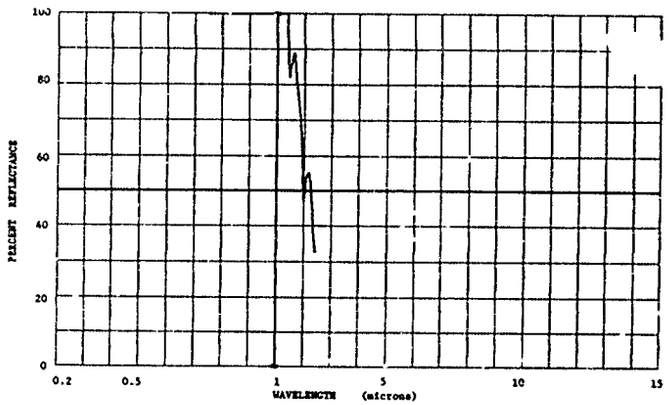
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82C00C0-147 MAGNESIUM CARBONATE, EVACUATED POWDER.

SUBJECT CODES
CJAB CEA CEC CFAA CFCE DK ECC* ECCB

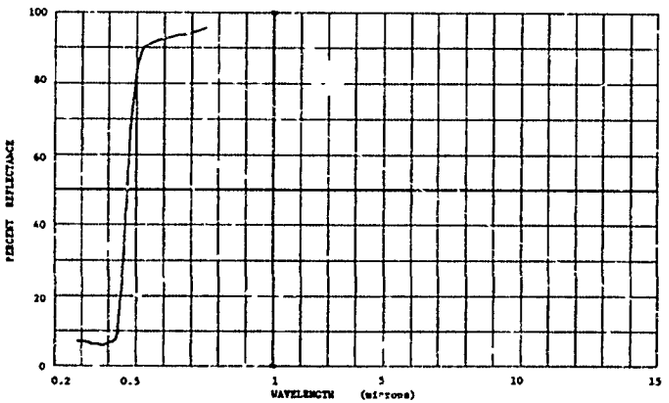
PARAMETER INFORMATION
CATE= 6 7 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



82C00C0-008 PRESSED SULFUR POWDER.

SUBJECT CODES
CJAC CEA CEC CFAA CFCE DK ECAC ECAD ECB ECCA

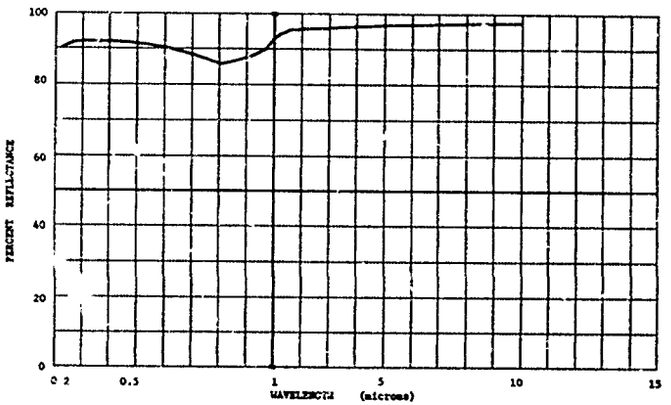
PARAMETER INFORMATION
CATE= 2 4 66 TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CUST= TTEMP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



803117-051 FRESHLY EVAPORATED ALUMINUM FILM.

SUBJECT CODES
CJACA CE CEC CFA DK ECAC ECAD ECB ECCA ECCB
ECCC ECCD ECCE

PARAMETER INFORMATION
CATE= 6C TIME= LAT= LONG= ALT= RANGE=
DAYS RE= IN= .C IAZ= CN= CAZ= IRR=
CBST= TTEMP= WIN SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1

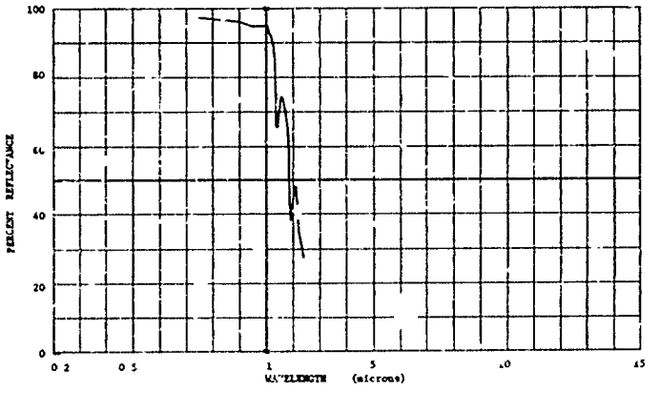


CJ 9

820000-189 ALUMINUM OXIDE, PRESSED POWDER.

SUBJECT CODES
CJAE CCA CEC CFAA CFCE DK ECCA ECCB

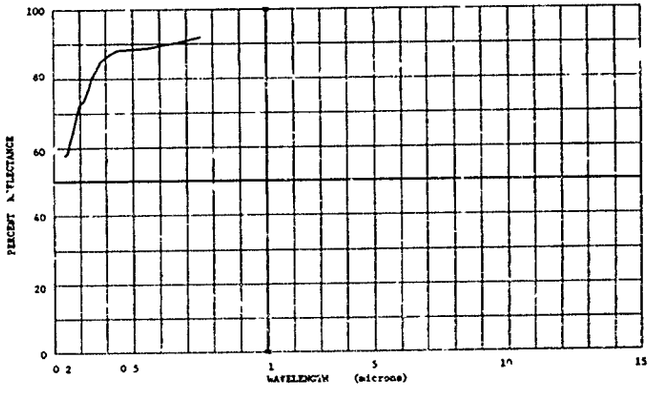
PARAMETER INFORMATION
CATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-191 CARBORUNDUM SAPPHIRE FELT.

SUBJECT CODES
CJAE CCA CEC CFAA CFCE DK ECAC ECAD ECB ECCA

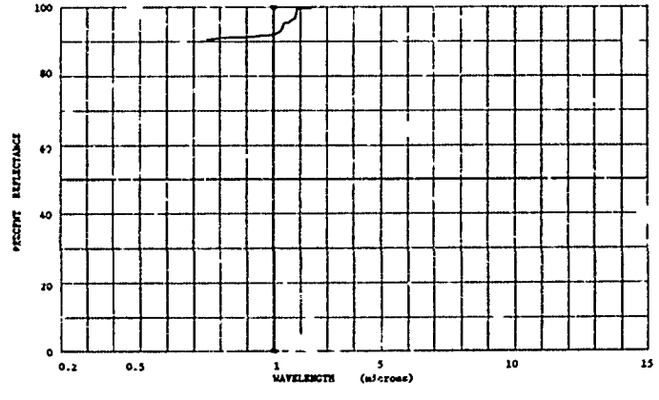
PARAMETER INFORMATION
CATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-192 CARBORUNDUM SAPPHIRE FELT.

SUBJECT CODES
CJAE CCA CEC CFAA CFCE DK ECCA ECCB

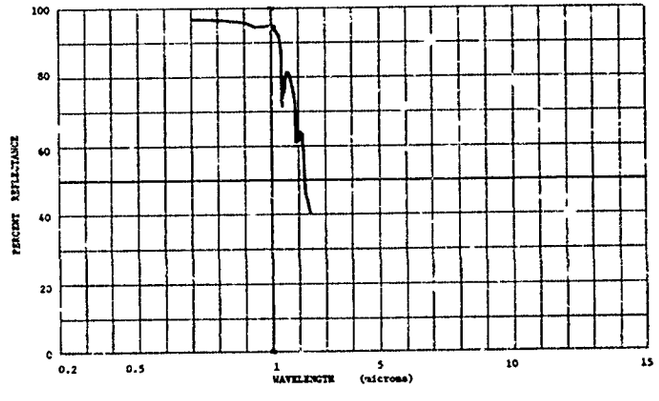
PARAMETER INFORMATION
CATE= 13 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820000-223 ALUMINUM TRIOXIDE.

SUBJECT CODES
CJAE CCA CEC CFAA CFCE DK ECCA ECCB

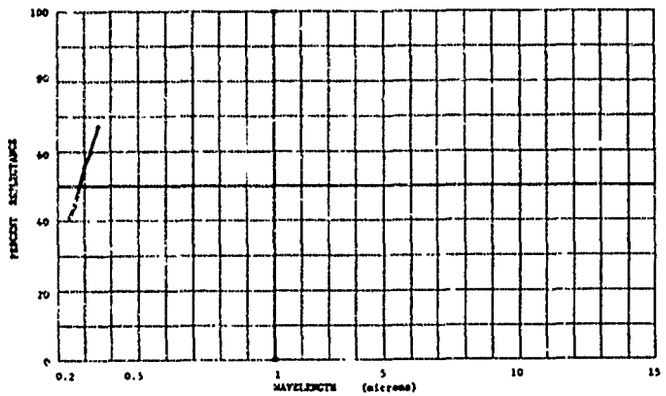
PARAMETER INFORMATION
CATE= 18 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIND SP= WIND DI= CLD= VIS=
TEMP= DEW PT= N AVE= 1



820800-279 SAPPHIRE FELT.

SUBJECT CODES
CJAE CFCI CCA CEC CFAA OFCE CK ECAC ECAD

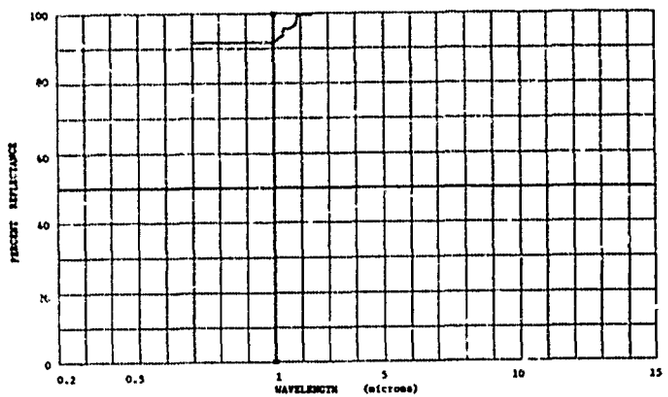
PARAMETER INFORMATION
CATE= 25 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.G IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLC= VIS=
TEMP= DEW PT= N AVE= 1



820000-278 SAPPHIRE FELT.

SUBJECT CODES
CJAE CFCI CCA CEC CFAA OFCE CK ECCA ECCB

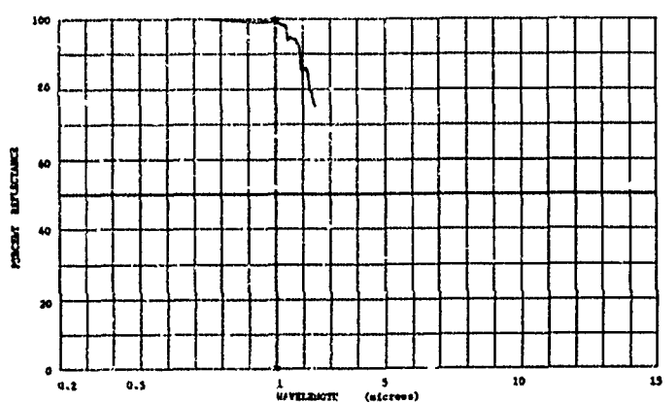
PARAMETER INFORMATION
CATE= 25 7 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.G IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLC= VIS=
TEMP= DEW PT= N AVE= 1



820000-131 TITANIUM DIOXIDE PELLET.

SUBJECT CODES
CJDC CFC CCA CEC CFAA OFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 20 6 66 TIME= LAT= LONG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
COST= TTEMP= WIND SP= WIND DI= CLC= VIS=
TEMP= DEW PT= N AVE= 1

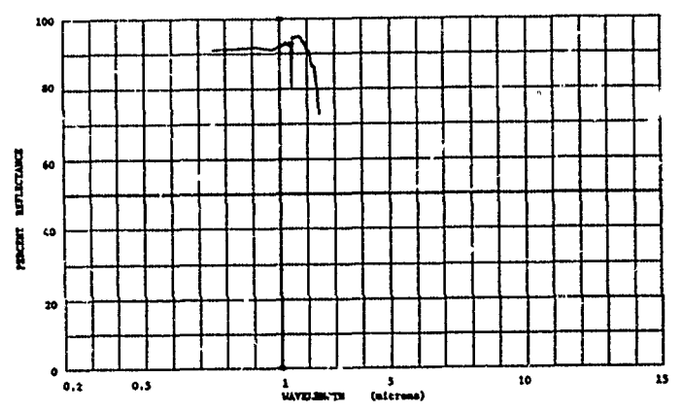


820000-133 CALCIUM OXIDE PELLET.

SUBJECT CODES
CJAC OFC CDA CED CFAA OFCE JK ECCA
ECCB

PARAMETER INFORMATION
CATE= 1 7 66 TIME= -0 LAT= -.0 LONG= -.0 ALT= -.00E+00 RANGE= -.00E+00
CAYS RE= -0 IN= 3.0 IAZ= -.0 CN= -.0 CAZ= -.0 IRR= E
COST= TTEMP= -.0WIND SP= -0 WIND DI= CLD= VIS= -0

TEMP= -0 DEW PT-C N AVE= 1

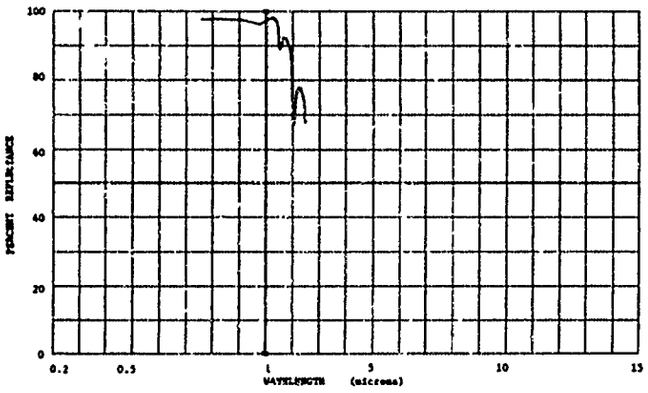


C 11

B20000-134 BARIUM SULFIDE PELLET.

SUBJECT CODES
CJAG CFC CCA CEL CFAA DFCE CK ECCA ECCB

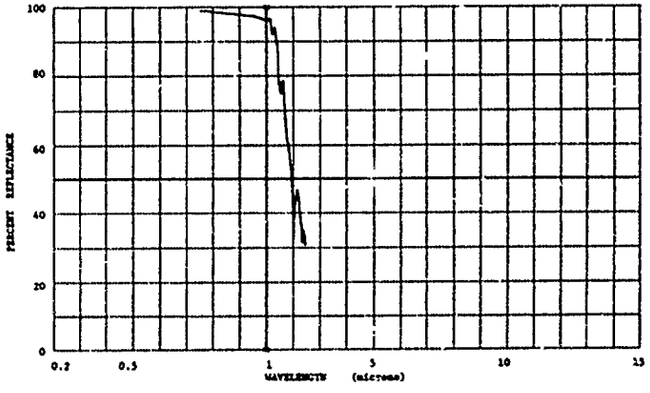
PARAMETER INFORMATION
CATE= 1 7 66 TIPE= LAT= LCNG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-135 MAGNESIUM CITRATE.

SUBJECT CODES
CJAG CFC CCA CEC CFAA DFCE CK ECCA ECCB

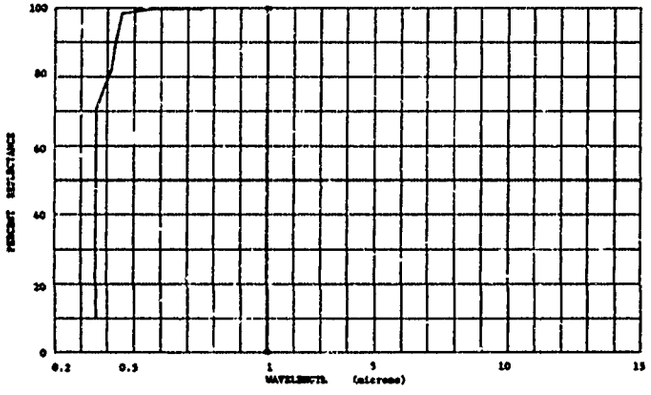
PARAMETER INFORMATION
CATE= 1 7 66 TIPE= LAT= LCNG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-136 ZINC SULFIDE, POWDER, ELECTRONIC GRADE, PRESSED INTO PELLET.

SUBJECT CODES
CJAG CFC CCA CEC CFAA DFCE CK ECAC ECAD ECB
ECC4

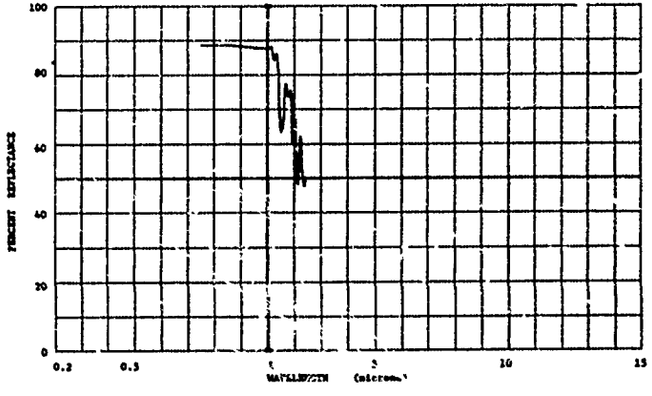
PARAMETER INFORMATION
CATE= 1 7 66 TIPE= LAT= LCNG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1



B20000-140 COTTON, STERILIZED ABSORBENT.

SUBJECT CODES
CJAG CCA CEC CFAA CFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 11 7 66 TIPE= LAT= LCNG= ALT= RANGE=
DAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEPP= WIAC SP= WIAD DI= CLD= VIS=
TEPP= DEW PT= N AVE= 1

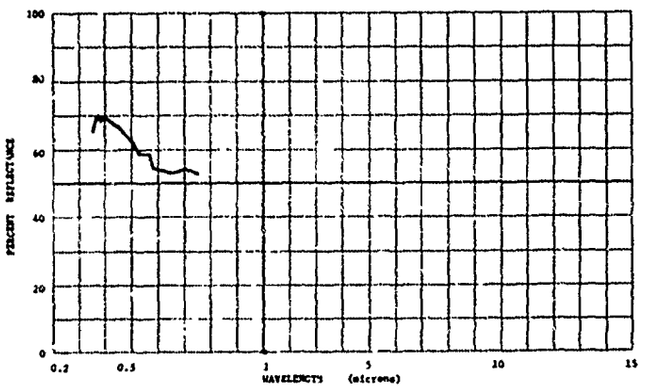


C-18

B20000-236 POT OPAL (GLASS) SURFACE, GROUND WITH 440 GRIT SILICON CARBIDE.

SUBJECT CODES
CJJG CCA CEF CFAA CFCE CK ECAC ECAD ECB .CCA

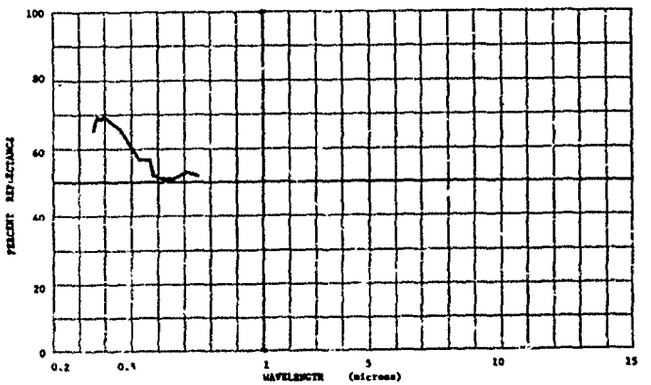
PARAMETER INFORMATION
CATE= 25 7 66 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIAD DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



B20000-237 POT OPAL (GLASS) SURFACE, GROUND WITH 220 GRIT SILICON CARBIDE.

SUBJECT CODES
CJJG CCA CEE CFAA CFCE CK ECCA ECCB

PARAMETER INFORMATION
CATE= 25 7 66 TIME= LAT= LCAG= ALT= RANGE=
CAYS RE= IN= 3.0 IAZ= CN= CAZ= IRR= E
CBST= TTEMP= WIAC SP= WIAD DI= CLD= VIS=
TEMP= DEW PT= A AVE= 1



4.4. SUBJECT CROSS-INDEX FOR THE OPTICAL DATA

AAA BUILDINGS, GROUND TARGETS, TARGETS

B-03995 228	AAA	1
B-03995 357	AAA	1
B-03995 358	AAA	1
B-03995 359	AAA	1
B-03995 360	AAA	2
B-03995 367	AAA	2
B-03995 370	AAA	1

AAE AIRFIELDS, GROUND TARGETS, TARGETS

B-01370 020	AAE	1

AAG ROADS, GROUND TARGETS, TARGETS

B-01337 039	AAG	1
B-03995 228	AAA	1
B-03995 319	AAG	1
B-03995 320	AAG	1
B-03995 321	AAG	1
B-03995 322	AAG	2
B-03995 323	AAG	2
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B-03995 331	AAG	4
B-03995 332	AAG	4
B-03995 362	AAG	4
B-03995 363	AAG	5
B-03995 364	AAG	5
B-03995 368	AAG	5
B-03995 369	AAG	5

AAH BRIDGES, GROUND TARGETS, TARGETS

B-03995 361	AAH	1

AAK PERSONNEL, GROUND TARGETS, TARGETS

B-01175 005	AAK	1
B-01175 006	AAK	1
B-03256 001	AAK	1
B-03303 007	AAK	2
B-03303 008	AAK	2
B-03304 001	AAK	2
B-03304 002	AAK	2
B-03304 003	AAK	3
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B-03305 008	AAK	6
B-03305 009	AAK	7
B-03305 010	AAK	7
B-03333 002	AAK	7

AAKA CLOTHING, PERSONNEL, GROUND TARGETS, TARGETS

B-01175 001	AAKA	1
B-01175 002	AAKA	1
B-01176 004	AAKA	1
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	B-04806 016	AAKA	35
	B-04806 017	AAKA	36
	B-04806 018	AAKA	36
	B-20000 048	AAKA	36

AALF TRUCKS, VEHICLES, GROUND TARGETS, TARGETS

	B-03355 053	AALF	1
	B-03355 054	AALF	1
	B-03355 055	AALF	1

AE MATERIALS, TARGETS

	B-00829 078	AE	1
	B-00829 082	AE	1
	B-01337 022	AE	1
	B-01337 023	AE	1
	B-01370 019	AE	2
	B-03355 049	AE	2
	B-03355 052	AE	2
	B-03995 365	AE	2
	B-04979 071	AE	3

AEA ALUMINUM, MATERIALS, TARGETS

	B-01818 029	AEM	26
	B-01818 030	AEM	27
	B-01818 031	AEM	27
	B-01818 035	AEM	6
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	B-01818 049	AEM	9
	B-01818 055	AEM	49
	B-01818 056	AEM	49
	B-01818 057	AEM	49
	B-01818 061	AEM	28
	B-01818 062	AEM	28
	B-01818 063	AEM	28
	B-01818 067	AEM	7
	B-01818 068	AEM	8
	B-01818 069	AEM	8
	B-01818 073	AEM	29
	B-01818 074	AEM	30
	B-01818 075	AEM	30
	B-01818 079	AEM	18
	B-01818 080	AEM	18
	B-01818 081	AEM	18
	B-01818 085	AEM	19
	B-01818 086	AEM	20
	B-01818 087	AEM	20
	B-01818 091	AEM	31
	B-01818 092	AEM	31
	B-01818 093	AEM	31
	B-01818 097	AEM	10
	B-01818 098	AEM	11
	B-01818 099	AEM	11
	B-01818 103	AEM	1
	B-01818 105	AEM	53
	B-01818 123	AEM	42
	B-01818 125	AEM	43
	B-01818 127	AEM	22
	B-01818 129	AEM	23
	B-01818 131	AEM	34
	B-01818 133	AEM	34
	B-01818 135	AEM	43
	B-01818 137	AEM	44
	B-01818 139	AEM	44
	B-01818 141	AEM	45
	B-01818 143	AEM	23
	B-01818 145	AEM	24
	B-01818 147	AEM	35
	B-01818 149	AEM	35
	B-01818 151	AEM	45
	B-01818 153	AEM	46
	B-03463 001	AEM	71
	B-03463 002	AEM	55
	B-03463 003	AEM	82
	B-03463 004	AEM	55
	B-03463 005	AEM	71
	B-03463 006	AEM	55
	B-03463 007	AEM	83
	B-03463 008	AEM	55
	B-03463 009	AEM	56
	B-03463 010	AEM	56
	B-03463 011	AEM	56
	B-03463 012	AEM	56
	B-03463 013	AEM	71
	B-03463 014	AEM	72
	B-03463 015	AEM	57
	B-03463 016	AEM	57
	B-03463 017	AEM	72
	B-03463 018	AEM	72
	B-03463 019	AEM	57
	B-03463 020	AEM	57
	B-03463 021	AEM	58
	B-03463 022	AEM	58
	B-03463 023	AEM	58
	B-03463 024	AEM	58
	B-03463 025	AEM	59
	B-03463 026	AEM	59
	B-03463 027	AEM	83
	B-03463 028	AEM	59
	B-03463 029	AEM	83
	B-03463 030	AEM	59
	B-03463 031	AEM	83
	B-03463 032	AEM	60
	B-03463 033	AEM	84
	B-03463 034	AEM	60
	B-03463 035	AEM	84
	B-03463 036	AEM	87
	B-03463 037	AEM	72
	B-03463 038	AEM	73
	B-03463 039	AEM	84
	B-03463 040	AEM	87
	B-03463 041	AEM	73
	B-03463 042	AEM	73
	B-03463 043	AEM	60
	B-03463 044	AEM	60
	B-03463 045	AEM	84
	B-03463 046	AEM	61

8-03463 047	AEM	61	
8-03463 048	AEM	85	
8-03463 049	AEM	61	
8-03463 050	AEM	73	
8-03463 051	AEM	82	
8-03463 052	AEM	61	
8-03463 053	AEM	74	
8-03463 054	AEM	82	
8-03463 055	AEM	62	
8-03463 056	AEM	74	
8-03463 057	AEM	62	
8-03463 058	AEM	62	
8-03463 059	AEM	62	
8-03463 060	AEM	74	
8-03463 061	AEM	63	
8-03463 062	AEM	63	
8-03463 063	AEM	63	
8-03463 064	AEM	63	
8-03463 065	AEM	64	
8-03463 066	AEM	64	
8-03463 067	AEM	64	
8-03463 068	AEM	64	
8-03959 004	AEM	88	
8-03959 005	AEM	88	
8-03959 006	AEM	89	
8-03959 010	AEM	74	
8-03959 011	AEM	75	
8-03959 012	AEM	75	
8-03959 013	AEM	75	
8-03959 014	AEM	65	
8-03959 015	AEM	65	
8-03959 016	AEM	65	
8-03959 017	AEM	65	
8-03960 001	AEA	2	
8-03960 002	AEA	2	
8-03960 003	AEA	2	
8-04979 001	AEA	2	
8-04979 002	AEA	3	
8-04979 003	AEA	3	
8-04979 004	AEA	3	
8-04979 005	AEA	3	
8-04979 006	AEA	3	
8-04979 007	AEA	4	
8-04979 008	AEA	4	
8-04979 009	AEA	4	
8-04979 010	AEA	4	
8-04979 011	AEA	5	
8-04979 012	AEA	5	
8-04979 069	AEA	5	
8-04979 070	AEA	5	
8-04979 077	BFK	3	
8-04979 078	CJ	1	
8-04979 079	CJ	1	
8-04979 082	BFK	3	
8-04979 083	CJ	8	
8-04979 085	BFK	3	
8-04979 086	BFK	3	
8-04979 087	AEM	67	
8-04979 088	BFL	1	
8-04979 090	AEM	67	
8-04979 091	BFL	1	
8-04979 092	AEM	67	
8-04979 093	AEM	67	
8-04979 097	AEM	68	
8-04979 098	AEM	68	
8-04979 099	BFL	1	
8-04979 100	AEM	68	
8-04979 105	AEM	69	
8-04979 107	AEM	85	
8-04979 108	AEM	89	
8-04979 111	AEM	90	
8-04979 112	BFL	2	
8-04979 113	BFL	2	
8-04979 114	AEM	69	
8-04979 116	AEM	76	
8-04979 117	AEM	76	
8-04979 120	AEM	77	
8-04979 121	AEA	6	
8-04979 122	AEA	6	
8-04979 123	AEA	6	
8-04979 124	AEA	6	

	8-20000 001	AEM	69
	8-20000 007	AEM	70
	8-20000 049	AEM	70
	8-20000 128	AEM	77
	8-20000 129	AEM	78
	8-20000 130	AEM	78
	8-20000 226	AEM	81
	8-20000 227	AEM	81
	8-20000 280	AEM	70
	8-20000 281	AEM	71
	8-20000 350	AEM	78
AEB	ASPHALT, MATERIALS, TARGETS		
	8-01337 036	AEB	1
	8-01337 037	AEB	1
	8-01370 020	AAE	1
	8-03995 366	AEB	1
	8-03995 368	AAG	5
	8-13522 033	AEB	1
	8-20000 012	AEB	2
AEC	BRICK, MATERIALS, TARGETS		
	8-03995 356	AEC	1
AED	BURLAP, MATERIALS, TARGETS		
	8-01176 003	AED	1
	8-01176 009	AED	1
	8-01176 010	AED	1
	8-01176 011	AED	1
	8-01176 015	AED	2
	8-01176 016	AED	2
	8-01176 017	AED	2
	8-01176 018	AED	2
	8-01176 019	AED	3
	8-01176 020	AED	3
	8-01176 021	AED	3
	8-01176 022	AED	3
	8-01176 023	AED	4
	8-01176 024	AED	4
	8-01176 025	AED	4
	8-01176 026	AED	4
	8-01176 027	AED	5
	8-01176 028	AED	5
	8-01176 043	AEM	15
	8-01176 044	AEM	15
AEE	CANVAS, MATERIALS, TARGETS		
	8-03355 047	AEE	1
	8-03355 048	AEE	1
	8-04806 019	AEE	2
	8-04806 020	AEE	2
	8-20000 020	AEM	70
AEF	CINDER, MATERIALS, TARGETS		
	8-00829 079	AEF	1
AEG	CONCRETE, MATERIALS, TARGETS		
	8-01337 033	AEG	1
	8-01337 034	AEG	1
	8-01337 035	AEG	1
	8-20000 011	AEG	2
	8-20000 344	AEG	2
	8-20000 345	AEG	2
	8-20000 346	AEG	2
	8-20000 347	AEG	3
	8-20000 348	AEG	3
	8-20000 349	AEG	3
AEH	DIRT, MATERIALS, TARGETS		
	8-03231 001	AEH	2
	8-03231 002	AEH	54
	8-03231 003	AEH	2
	8-03231 004	AEH	54
	8-03995 319	AAG	1
	8-03995 323	AAG	2
	8-03995 324	AAG	2
	8-03995 325	AAG	2
	8-03995 326	AAG	3
	8-03995 328	AAG	3
	8-04979 074	AEM	75
	8-04979 087	AEM	67

AEJ GLASS, MATERIALS, TARGETS

B-03355 004	AEJ	1
B-03355 005	AEJ	1
B-03355 006	AEJ	1
B-04011 001	AEJ	1
B-04011 002	AEJ	2
B-04805 038	AEJ	2
B-04805 039	AEJ	2
B-04806 027	AEJ	2
B-04979 099	AFL	1
B-04979 109	AEM	80
B-04979 113	BFL	2
B-04979 120	AEM	77

AEK GRAVEL, MATERIALS, TARGETS

B-00829 084	AEK	1
B-00829 085	AEK	1
B-01337 038	AEK	1

AEL METAL, MATERIALS, TARGETS

B-03333 017	BH	14
B-03355 039	AEM	16
B-03355 042	AEM	1
B-03355 044	AEM	37
B-03355 045	AEM	17
B-03804 001	AEL	1
B-03804 002	AFL	1
B-03804 003	AEL	1
B-03804 004	AEL	1
B-03804 005	AEL	2
B-03804 006	AEL	2
B-03804 007	AEL	2
B-03804 008	AEL	2
B-03804 009	AEL	3
B-03804 010	AEL	3
B-03804 011	AEL	3
B-03804 012	AEL	3
B-03804 013	AEL	4
B-03804 014	AEL	4
B-03804 015	AEL	4
B-03804 016	AEL	4
B-03804 017	AEL	5
B-03804 018	AEL	5
B-03804 019	AEL	5
B-03995 358	AAA	1
B-04642 012	AEL	5
B-04979 013	AEL	6
B-04979 014	AEL	6
B-04979 015	AEL	6
B-04979 016	AEL	6
B-04979 017	AEL	7
B-04979 018	AEL	7
B-04979 019	AEL	7
B-04979 020	AEL	7
B-04979 022	AEL	8
B-04979 022	AEL	8
B-04979 023	AEL	8
B-04979 024	AEL	8
B-04979 025	AEL	9
B-04979 026	AEL	9
B-04979 027	AEL	9
B-04979 028	AEL	9
B-04979 029	AEL	10
B-04979 030	AEL	10
B-04979 031	AEL	10
B-04979 032	AEL	10
B-04979 033	AEL	11
B-04979 034	AEL	11
B-04979 035	AEL	11
B-04979 036	AEL	11
B-04979 037	AEL	12
B-04979 038	AEL	12
B-04979 039	AEL	12
B-04979 040	AEL	12
B-04979 041	AEL	13
B-04979 042	AEL	13
B-04979 043	AEL	13
B-04979 044	AEL	13
B-04979 045	AEL	14
B-04979 046	AEL	14
B-04979 047	AEL	14
B-04979 048	AEL	14
B-04979 049	AEL	15
B-04979 050	AEL	15
B-04979 051	AEL	15
B-04979 052	AEL	15
B-04979 053	AEL	16
B-04979 054	AEL	16
B-04979 055	AEL	16
B-04979 056	AEL	16
B-04979 057	AEL	17
B-04979 058	AEL	17
B-04979 059	AEL	17
B-04979 060	AEL	17
B-04979 061	AEL	18
B-04979 062	AEL	18
B-04979 063	AEL	18
B-04979 064	AEL	18
B-04979 065	AEL	19
B-04979 066	AEL	19
B-04979 067	AEL	19
B-04979 068	AEL	19
B-04979 072	AEL	20
B-04979 073	AEL	20
B-04979 094	AEM	85
B-04979 095	AEM	86
B-04979 096	AEM	86
B-04979 101	AEM	91
B-04979 103	AEM	68
B-04979 104	AEM	69
B-04979 110	AEM	89
B-04979 115	AEM	76
B-04979 118	AEM	76
B-04979 119	AEM	77
B-04979 124	AEA	6
B-04979 125	AEL	20

AE [illegible]INT, MATERIALS, TARGETS

B-01818 050	AEM	1
B-01818 054	AEM	1
B-02250 042	AEM	1
B-03231 002	AEM	54
B-03231 004	AEM	54
B-03303 005	AEM	54
B-03303 006	AEM	54
B-03355 042	AEM	1
B-03463 002	AEM	55
B-03463 004	AEM	55
B-03463 006	AEM	55
B-03463 008	AEM	55
B-03463 009	AEM	56
B-03463 010	AEM	56
B-03463 011	AEM	56
B-03463 012	AEM	56
B-03463 015	AEM	57
B-03463 016	AEM	57
B-03463 019	AEM	57
B-03463 020	AEM	57
B-03463 021	AEM	58
B-03463 022	AEM	58
B-03463 023	AEM	58
B-03463 024	AEM	58
B-03463 025	AEM	59
B-03463 026	AEM	59
B-03463 028	AEM	59
B-03463 030	AEM	59
B-03463 032	AEM	60
B-03463 034	AEM	60
B-03463 043	AEM	60
B-03463 044	AEM	60
B-03463 046	AEM	61
B-03463 047	AEM	61
B-03463 049	AEM	61
B-03463 052	AEM	61
B-03463 055	AEM	62
B-03463 057	AEM	62
B-03463 058	AEM	62
B-03463 059	AEM	62
B-03463 061	AEM	63
B-03463 062	AEM	63

8-03463	062	AEM	63
8-03463	064	AEM	63
8-03463	065	AEM	64
8-03463	066	AEM	64
8-03463	067	AEM	64
8-03463	068	AEM	64
8-03959	014	AEM	65
8-03959	015	AEM	65
8-03959	016	AEM	65
8-03959	017	AEM	65
8-04805	040	AEM	65
8-04805	041	AEM	66
8-04979	075	AEM	66
8-04979	084	AEM	66
8-04979	087	AEM	67
8-04979	090	AEM	67
8-04979	092	AEM	67
8-04979	093	AEM	67
8-04979	097	AEM	68
8-04979	098	AEM	68
8-04979	100	AEM	68
8-04979	103	AEM	68
8-04979	104	AEM	69
8-04979	105	AEM	69
8-04979	114	AEM	69
8-13522	002	AEM	2
8-13522	014	AEM	2
8-13522	016	AEM	2
8-13522	020	AEM	2
8-13522	021	AEM	3
8-13522	022	AEM	3
8-13522	023	AEM	3
8-13522	024	AEM	3
8-13522	025	AEM	4
8-13522	027	AEM	4
8-13522	032	AEM	4
8-13522	036	AEM	4
8-20000	001	AEM	69
8-20000	007	AEM	70
8-20000	020	AEM	70
8-20000	049	AEM	70
8-20000	280	AEM	70
8-20000	281	AEM	71

AEHA WHITE PIGMENTS, PAINT, MATERIALS, TARGETS

8-01175	004	AEM	5
8-03463	001	AEM	71
8-03463	005	AEM	71
8-03463	013	AEM	71
8-03463	014	AEM	72
8-03463	017	AEM	72
8-03463	018	AEM	72
8-03463	037	AEM	72
8-03463	038	AEM	73
8-03463	041	AEM	73
8-03463	042	AEM	73
8-03463	050	AEM	73
8-03463	053	AEM	74
8-03463	056	AEM	74
8-03463	060	AEM	74
8-03959	010	AEM	74
8-03959	011	AEM	75
8-03959	012	AEM	75
8-03959	013	AEM	75
8-04979	076	AEM	75
8-04979	115	AEM	76
8-04979	116	AEM	76
8-04979	117	AEM	76
8-04979	118	AEM	76
8-04979	119	AEM	77
8-04979	120	AEM	77
8-04979	126	AEM	77
8-13522	013	AEM	5
8-13522	017	AEM	5
8-13522	026	AEM	5
8-13522	031	AEM	6
8-20000	128	AEM	77
8-20000	129	AEM	78
8-20000	130	AEM	78
8-20000	350	AEM	78

AEHAA ZINC OXIDE (ZINC WHITE), WHITE PIGMENTS, PAINT, MATERIALS, TARGETS

8-01818	035	AEM	6
8-01818	036	AEM	6
8-01818	037	AEM	6
8-01818	038	AEM	7
8-01818	039	AEM	7
8-01818	040	AEM	7
8-01818	067	AEM	7
8-01818	068	AEM	8
8-01818	069	AEM	8
8-01818	070	AEM	8
8-01818	071	AEM	8
8-01818	072	AEM	9
8-01818	079	AEM	18
8-01818	080	AEM	18
8-01818	081	AEM	18
8-01818	082	AEM	19
8-01818	083	AEM	19
8-01818	084	AEM	19

AEHAB LEAD BASIC CARBONATE (WHITE LEAD) WHITE PIGMENTS, PAINT, MATERIAL, TARGET

8-01818	047	AEM	9
8-01818	048	AEM	9
8-01818	049	AEM	9
8-01818	051	AEM	10
8-01818	052	AEM	10
8-01818	053	AEM	10
8-01818	085	AEM	19
8-01818	086	AEM	20
8-01818	087	AEM	20
8-01818	088	AEM	20
8-01818	089	AEM	20
8-01818	090	AEM	21
8-01818	097	AEM	10
8-01818	098	AEM	11
8-01818	099	AEM	11
8-01818	100	AEM	11
8-01818	101	AEM	11
8-01818	102	AEM	12

AEHB GREEN PIGMENTS, PAINT, MATERIALS, TARGETS

8-01176	029	AEM	12
8-01176	030	AEM	12
8-01176	031	AEM	12
8-01176	032	AEM	13
8-01176	033	AEM	13
8-01176	035	AEM	13
8-01176	036	AEM	14
8-01176	037	AEM	14
8-01176	038	AEM	14
8-01176	039	AEM	14
8-01176	040	AEM	15
8-01176	041	AEM	15
8-01176	043	AEM	15
8-01176	044	AEM	15
8-02250	041	AEM	16
8-02250	043	AEM	16
8-03355	039	AEM	16
8-03355	043	AEM	16
8-03355	045	AEM	17
8-03355	050	AEM	17
8-03355	051	AEM	17
8-03355	053	AALF	1
8-03355	054	AALF	1
8-03355	055	AALF	1
8-04642	001	AEM	78
8-04642	002	AEM	79
8-04642	003	AEM	79
8-04642	004	AEM	79
8-04642	005	AEM	79
8-04642	006	AEM	80
8-04642	010	AEM	80
8-04805	043	AEM	80
8-04979	109	AEM	80
8-13522	029	AEM	17
8-13522	030	AEM	18
8-20000	226	AEM	81
8-20000	227	AEM	81

AENBA CHROMIC OXIDE (CHROME GREEN), GREEN, PIGMENTS, PAINT, MATERIALS, TARGETS

	8-01818 079	AEM	18
	8-01818 080	AEM	18
	8-01818 081	AEM	18
	8-01818 082	AEM	19
	8-01818 083	AEM	19
	8-01818 084	AEM	19
	8-01818 085	AEM	19
	8-01818 086	AEM	20
	8-01818 087	AEM	20
	8-01818 088	AEM	20
	8-01818 089	AEM	20
	8-01818 090	AEM	21
	8-01818 108	AEM	21
	8-01818 109	AEM	21
	8-01818 116	AEM	21
	8-01818 117	AEM	22
	8-01818 126	AEM	22
	8-01818 127	AEM	22
	8-01818 128	AEM	22
	8-01818 129	AEM	23
	8-01818 142	AEM	23
	8-01818 143	AEM	23
	8-01818 144	AEM	23
	8-01818 145	AEM	24
	8-01818 156	AEM	24
	8-01818 157	AEM	24
	8-01818 166	AEM	24
	8-01818 167	AEM	25
	8-01818 168	AEM	25
	8-01818 169	AEM	25

AENC RED PIGMENTS, PAINT, MATERIALS, TARGETS

	8-03303 003	AEM	81
	8-03303 004	AEM	81
	8-03463 051	AEM	82
	8-03463 054	AEM	82
	8-03995 358	AAA	1
	8-13522 015	AEM	25
	8-13522 018	AEM	26
	8-13522 029	AEM	26
	8-13522 035	AEM	26

AENCA FERRIC OXIDE (HEMATITE), RED PIGMENTS, PAINT, MATERIALS, TARGETS

	8-01818 029	AEM	26
	8-01818 030	AEM	27
	8-01818 031	AEM	27
	8-01818 032	AEM	27
	8-01818 033	AEM	27
	8-01818 034	AEM	28
	8-01818 061	AEM	28
	8-01818 062	AEM	28
	8-01818 063	AEM	28
	8-01818 064	AEM	29
	8-01818 065	AEM	29
	8-01818 066	AEM	29
	8-01818 073	AEM	29
	8-01818 074	AEM	30
	8-01818 075	AEM	30
	8-01818 076	AEM	30
	8-01818 077	AEM	30
	8-01818 078	AEM	31
	8-01818 091	AEM	31
	8-01818 092	AEM	31
	8-01818 093	AEM	31
	8-01818 094	AEM	32
	8-01818 095	AEM	32
	8-01818 096	AEM	32
	8-01818 110	AEM	32
	8-01818 111	AEM	33
	8-01818 118	AEM	33
	8-01818 119	AEM	33
	8-01818 130	AEM	33
	8-01818 131	AEM	34
	8-01818 132	AEM	34
	8-01818 133	AEM	34
	8-01818 146	AEM	34
	8-01818 147	AEM	35
	8-01818 148	AEM	35
	8-01818 149	AEM	35
	8-01818 158	AEM	35
	8-01818 159	AEM	36
	8-01818 170	AEM	36
	8-01818 171	AEM	36
	8-01818 172	AEM	36
	8-01818 173	AEM	37
	8-03355 044	AEM	37
	8-03355 050	AEM	82

AEND METALLIC PIGMENTS, PAINT, MATERIALS, TARGETS

	8-03463 003	AEM	82
	8-03463 007	AEM	83
	8-03463 027	AEM	83
	8-03463 029	AEM	83
	8-03463 031	AEM	83
	8-03463 033	AEM	84
	8-03463 035	AEM	84
	8-03463 039	AEM	84
	8-03463 045	AEM	84
	8-03463 048	AEM	85
	8-04979 106	AEM	85
	8-04979 107	AEM	85
	8-13522 005	AEM	37
	8-13522 009	AEM	37
	8-13522 010	AEM	38

AENDA ALUMINUM POWDER, METALLIC PIGMENTS, PAINT, MATERIALS, TARGETS

	8-04979 094	AEM	85
	8-04979 095	AEM	86
	8-04979 096	AEM	86
	8-13522 001	AEM	38
	8-13522 003	AEM	38
	8-13522 004	AEM	38
	8-13522 006	AEM	39
	8-13522 007	AEM	39
	8-13522 008	AEM	39

AENE OTHER PIGMENTS (COLOR UNKNOWN), PAINT, MATERIALS, TARGETS

	8-01176 013	AEM	39
	8-01176 014	AEM	40
	8-01818 106	AEM	40
	8-01818 107	AEM	40
	8-01818 112	AEM	40
	8-01818 113	AEM	41
	8-01818 114	AEM	41
	8-01818 115	AEM	41
	8-01818 120	AEM	41
	8-01818 121	AEM	42
	8-01818 122	AEM	42
	8-01818 123	AEM	42
	8-01818 124	AEM	42
	8-01818 125	AEM	43
	8-01818 134	AEM	43
	8-01818 135	AEM	43
	8-01818 136	AEM	43
	8-01818 137	AEM	44
	8-01818 138	AEM	44
	8-01818 139	AEM	44
	8-01818 140	AEM	44
	8-01818 141	AEM	45
	8-01818 150	AEM	45
	8-01818 151	AEM	45
	8-01818 152	AEM	45
	8-01818 153	AEM	46
	8-01818 154	AEM	46
	8-01818 155	AEM	46
	8-01818 160	AEM	46
	8-01818 161	AEM	47
	8-01818 162	AEM	47
	8-01818 163	AEM	47
	8-01818 164	AEM	47
	8-01818 165	AEM	48
	8-01818 174	AEM	48
	8-01818 175	AEM	48
	8-01818 176	AEM	48
	8-04642 007	AEM	86
	8-04642 008	AEM	86
	8-04642 009	AEM	87

AEMEA MICA, OTHER PIGMENTS (COLOR UNKNOWN) PAINT, MATERIALS, TARGETS

B-01818	055	AEM	49
B-01818	056	AEM	49
B-01818	057	AEM	49
B-01818	058	AEM	49
B-01818	059	AEM	50
B-01818	060	AEM	50

AEMEB ALUMINUM SILICATE, OTHER PIGMENTS (COLOR UNKNOWN) PAINT, MATERIALS, TARGETS

B-01818	041	AEM	50
B-01818	042	AEM	50
B-01818	043	AEM	51
B-01818	044	AEM	51
B-01818	045	AEM	51
B-01818	046	AEM	51

AEMF DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-03463	036	AEM	87
B-03463	040	AEM	87
B-03959	001	AEM	87
B-03959	002	AEM	88
B-03959	003	AEM	88
B-03959	004	AEM	88
B-03959	005	AEM	88
B-03959	006	AEM	89
B-04805	042	AEM	89
B-04979	108	AEM	89
B-04979	110	AEM	89
B-04979	111	AEM	90
B-13522	011	AEM	52
B-13522	012	AEM	52
B-13522	019	AEM	52

AEMFA RESIN, DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-03959	007	AEM	90
B-03959	008	AEM	90
B-03959	009	AEM	90
B-04979	094	AEM	85
B-04979	095	AEM	86
B-04979	096	AEM	86
B-04979	098	AEM	68
B-04979	116	AEM	76
B-04979	118	AEM	76
B-04979	119	AEM	77
B-04979	126	AEM	77

AEMFAB ALKYD, RESIN, DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-01818	104	AEM	52
B-01818	105	AEM	53
B-04979	101	AEM	91
B-04979	102	AEM	91
B-04979	106	AEM	85
B-04979	107	AEM	85
B-04979	115	AEM	76

AEN PAPER/CARDBOARD, MATERIALS, TARGETS

B-02250	001	AEN	1
B-02250	002	AEN	1
B-02250	008	AEN	1
B-02250	009	AEN	1
B-02250	010	AEN	2
B-02250	011	AEN	2
B-02250	012	AEN	2
B-02250	013	AEN	2
B-02250	014	AEN	3
B-02250	015	AEN	3
B-02250	016	AEN	3
B-02250	017	AEN	3
B-02250	018	AEN	4
B-02250	019	AEN	4
B-02250	020	AEN	4
B-02250	021	AEN	4
B-02250	022	AEN	5
B-02250	023	AEN	5
B-02250	024	AEN	5
B-02250	025	AEN	5
B-02250	026	AEN	5
B-02250	027	AEN	6
B-02250	028	AEN	6
B-02250	029	AEN	6
B-02250	030	AEN	7
B-02250	031	AEN	7
B-04805	001	AEN	7
B-04805	002	AEN	7
B-04805	003	AEN	8
B-04805	004	AEN	8
B-04805	005	AEN	8
B-04805	006	AEN	8
B-04805	007	AEN	9
B-04805	008	AEN	9
B-04805	009	AEN	9
B-04805	010	AEN	9
B-04805	011	AEN	10
B-04805	012	AEN	10
B-04805	013	AEN	10
B-04805	014	AEN	10
B-04805	015	AEN	11
B-04805	016	AEN	11
B-04805	017	AEN	11
B-04805	018	AEN	11
B-04805	019	AEN	12
B-04805	020	AEN	12
B-04805	021	AEN	12
B-04805	022	AEN	12
B-04805	023	AEN	13
B-04805	024	AEN	13
B-04805	025	AEN	13
B-04805	026	AEN	13
B-04805	027	AEN	14
B-04805	028	AEN	14
B-04805	029	AEN	14
B-04805	030	AEN	14
B-04805	031	AEN	15
B-04806	021	AEN	15
B-04806	022	AEN	15
B-04806	023	AEN	15
B-04806	024	AEN	16
B-04806	025	AEN	16
B-04806	026	AEN	16
B-20000	163	AEN	16
B-20000	166	AEN	17
B-20000	167	AEN	17
B-20000	168	AEN	17

AEO PLASTIC, MATERIALS, TARGETS

B-01176	012	AEO	1
B-03355	003	AEO	2
B-04642	013	AAKA	6
B-04642	014	AAKA	6
B-04805	032	AEO	2
B-04805	033	AEO	2
B-04805	034	AEO	2
B-04805	035	AEO	3
B-04805	036	AEO	3
B-04805	037	AEO	3
B-04979	006	AEO	3
B-20000	028	AEO	4
B-20000	228	AEO	4
B-20000	229	AEO	4
B-20000	230	AEO	4
B-20000	231	AEO	5

AEP RUBBER, MATERIALS, TARGETS

B-03355	038	AEP	1
B-03355	040	AEP	1
B-03355	041	AEP	1
B-04642	011	AEP	2

AEQ YAR, MATERIALS, TARGETS

B-13522	034	AEQ	1
B-20000	224	AEQ	2
B-20000	225	AEQ	2

AER TILE, MATERIALS, TARGETS

B-03995	370	AER	1

	B-20000 114	AER	2
AET	WOOD, MATERIALS, TARGETS		
	B-00829 077	AET	1
	B-00829 083	AET	1
	B-03995 361	AAH	1
	B-03995 364	AAG	5
	B-03995 367	AAA	2
	B-20000 115	AET	2
	B-20000 116	AET	2
BE	TERRAIN, BACKGROUNDS		
	B-01049 021	BE	1
	B-01337 008	BFGC	5
	B-01337 009	BFGC	5
	B-01370 015	BE	1
	B-01370 016	BE	1
	B-01370 033	BE	1
	B-01370 034	BE	2
	B-03258 004	BFHD	2
	B-03258 006	BFHD	2
	B-03258 007	BFHD	2
	B-03995 001	BGD	48
	B-03995 002	BGD	49
	B-03995 003	BGD	49
	B-03995 004	BGD	49
	B-03995 005	BGD	49
	B-03995 006	BGD	50
	B-03995 007	BGD	50
	B-03995 008	BGD	50
	B-03995 009	BGD	50
	B-03995 010	BGD	51
	B-03995 011	BGD	51
	B-03995 012	BGD	46
	B-03995 013	BGD	46
	B-03995 014	BGD	29
	B-03995 015	BGD	29
	B-03995 016	BGD	29
	B-03995 017	BGD	123
	B-03995 018	BGD	123
	B-03995 019	BGD	123
	B-03995 020	BGD	124
	B-03995 021	BGD	124
	B-03995 022	BGD	124
	B-03995 023	BGD	124
	B-03995 024	BGD	125
	B-03995 025	BGD	125
	B-03995 026	BGD	290
	B-03995 027	BG	8
	B-03995 028	BGD	69
	B-03995 029	BGD	69
	B-03995 030	BGD	69
	B-03995 031	BGD	126
	B-03995 032	BGD	126
	B-03995 033	BGD	127
	B-03995 035	BGD	46
	B-03995 036	BGD	260
	B-03995 037	BGD	260
	B-03995 038	BGD	260
	B-03995 039	BGD	261
	B-03995 040	BGD	261
	B-03995 041	BGD	261
	B-03995 042	BGD	261
	B-03995 043	BG	8
	B-03995 044	BG	8
	B-03995 045	BGD	194
	B-03995 046	BGD	194
	B-03995 047	BGD	194
	B-03995 048	BGD	195
	B-03995 049	BGD	195
	B-03995 050	BG	3
	B-03995 051	BG	3
	B-03995 052	BG	3
	B-03995 055	BGC	99
	B-03995 056	BGC	58
	B-03995 057	BGC	58
	B-03995 058	BGC	58
	B-03995 059	BGC	58
	B-03995 060	BGC	59
	B-03995 061	BGC	59
	B-03995 062	BGC	59
	B-03995 063	BGC	59
	B-03995 065	BGC	60
	B-03995 066	BGC	60
	B-03995 067	BGC	60
	B-03995 068	BGC	60
	B-03995 069	BGC	65
	B-03995 070	BGC	15
	B-03995 072	BGC	15
	B-03995 082	BGC	68
	B-03995 083	BGC	68
	B-03995 084	BGC	69
	B-03995 085	BGC	69
	B-03995 086	BGC	69
	B-03995 087	BGC	69
	B-03995 088	BGC	70
	B-03995 144	BH	2
	B-03995 145	BGC	143
	B-03995 146	BH	2
	B-03995 148	BGD	35
	B-03995 149	BGD	35
	B-03995 150	BGD	36
	B-03995 151	BH	3
	B-03995 152	BGC	2
	B-03995 153	BGC	68
	B-03995 155	BGC	29
	B-03995 156	BGC	29
	B-03995 157	BGC	29
	B-03995 158	BGC	29
	B-03995 159	BGC	30
	B-03995 160	BGC	30
	B-03995 165	BG	4
	B-03995 166	BG	4
	B-03995 167	BGC	31
	B-03995 171	BGB	1
	B-03995 221	BGC	99
	B-03995 222	BGC	99
	B-03995 231	BE	2
	B-03995 234	BFGC	5
	B-03995 235	BFCA	6
	B-03995 237	BFEC	1
	B-03995 239	BF	15
	B-03995 240	BF	15
	B-03995 241	BF	15
	B-03995 246	BFCA	6
	B-03995 248	BFCA	6
	B-03995 249	BFCA	7
	B-03995 250	BFCA	7
	B-03995 251	BFCA	7
	B-03995 252	BFCA	7
	B-03995 253	BFCA	8
	B-03995 254	BFCA	8
	B-03995 255	BFCA	8
	B-03995 256	BFCA	8
	B-03995 257	BFCA	9
	B-03995 258	BFCA	9
	B-03995 259	BFCA	9
	B-03995 260	BFCA	9
	B-03995 261	BFCA	10
	B-03995 262	BFCA	10
	B-03995 263	BFCA	10
	B-03995 264	BFCA	10
	B-03995 265	BFCA	11
	B-03995 266	BFCA	11
	B-03995 267	BFCA	11
	B-03995 270	BE	2
	B-03995 271	BF	16
	B-03995 272	BFA	1
	B-03995 273	BFA	1
	B-03995 274	BFA	1
	B-03995 275	BFA	1
	B-03995 276	BFA	2
	B-03995 277	BFA	2
	B-03995 278	BFA	2
	B-03995 279	BFA	2
	B-03995 280	BFA	3
	B-03995 281	BFA	3
	B-03995 282	BFA	3
	B-03995 283	BFA	3
	B-03995 284	BFA	4
	B-03995 285	BFA	4
	B-03995 286	BFA	4

AENEA MICA, OTHER PIGMENTS (COLOR UNKNOWN) PAINT, MATERIALS, TARGETS

B-01818	055	AEM	49
B-01818	056	AEM	49
B-01818	057	AEM	49
B-01818	058	AEM	49
B-01818	059	AEM	50
B-01818	060	AEM	50

AENEB ALUMINUM SILICATE, OTHER PIGMENTS (COLOR UNKNOWN) PAINT, MATERIALS, TARGETS

B-01818	041	AEM	50
B-01818	042	AEM	50
B-01818	043	AEM	51
B-01818	044	AEM	51
B-01818	045	AEM	51
B-01818	046	AEM	51

AENF DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-03463	036	AEM	87
B-03463	040	AEM	87
B-03959	001	AEM	87
B-03959	002	AEM	88
B-03959	003	AEM	88
B-03959	004	AEM	88
B-03959	005	AEM	88
B-03959	006	AEM	89
B-04805	042	AEM	89
B-04979	108	AEM	89
B-04979	110	AEM	89
B-04979	111	AEM	90
B-13522	011	AEM	52
B-13522	012	AEM	52
B-13522	019	AEM	52

AENFA RESIN, DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-03959	007	AEM	90
B-03959	008	AEM	90
B-03959	009	AEM	90
B-04979	094	AEM	85
B-04979	095	AEM	86
B-04979	096	AEM	86
B-04979	098	AEM	68
B-04979	116	AEM	76
B-04979	118	AEM	76
B-04979	119	AEM	77
B-04979	126	AEM	77

AENFAB ALKYD, RESIN, DRIERS, THINNERS, MEDIUMS, PAINT, MATERIALS, TARGETS

B-01818	104	AEM	52
B-01818	105	AEM	53
B-04979	101	AEM	91
B-04979	102	AEM	91
B-04979	106	AEM	85
B-04979	107	AEM	85
B-04979	115	AEM	76

AEN PAPER/CARDBOARD, MATERIALS, TARGETS

B-02250	001	AEN	1
B-02250	002	AEN	1
B-02250	008	AEN	1
B-02250	009	AEN	1
B-02250	010	AEN	2
B-02250	011	AEN	2
B-02250	012	AEN	2
B-02250	013	AEN	2
B-02250	014	AEN	3
B-02250	015	AEN	3
B-02250	016	AEN	3
B-02250	017	AEN	3
B-02250	018	AEN	4
B-02250	019	AEN	4
B-02250	020	AEN	4
B-02250	021	AEN	4
B-02250	022	AEN	5
B-02250	023	AEN	5
B-02250	024	AEN	5
B-02250	025	AEN	5
B-02250	026	AEN	6
B-02250	027	AEN	6
B-02250	028	AEN	6
B-02250	029	AEN	6
B-02250	030	AEN	7
B-02250	031	AEN	7
B-04805	001	AEN	7
B-04805	002	AEN	7
B-04805	003	AEN	8
B-04805	004	AEN	8
B-04805	005	AEN	8
B-04805	006	AEN	8
B-04805	007	AEN	9
B-04805	008	AEN	9
B-04805	009	AEN	9
B-04805	010	AEN	9
B-04805	011	AEN	10
B-04805	012	AEN	10
B-04805	013	AEN	10
B-04805	014	AEN	10
B-04805	015	AEN	11
B-04805	016	AEN	11
B-04805	017	AEN	11
B-04805	018	AEN	11
B-04805	019	AEN	12
B-04805	020	AEN	12
B-04805	021	AEN	12
B-04805	022	AEN	12
B-04805	023	AEN	13
B-04805	024	AEN	13
B-04805	025	AEN	13
B-04805	026	AEN	13
B-04805	027	AEN	14
B-04805	028	AEN	14
B-04805	029	AEN	14
B-04805	030	AEN	14
B-04805	031	AEN	15
B-04806	021	AEN	15
B-04806	022	AEN	15
B-04806	023	AEN	15
B-04806	024	AEN	16
B-04806	025	AEN	16
B-04806	026	AEN	16
B-20000	163	AEN	16
B-20000	166	AEN	17
B-20000	167	AEN	17
B-20000	168	AEN	17

AEO PLASTIC, MATERIALS, TARGETS

B-01176	012	AEO	1
B-03355	003	AEO	2
B-04642	013	AAKA	6
B-04642	014	AAKA	6
B-04805	032	AEO	2
B-04805	033	AEO	2
B-04805	034	AEO	2
B-04805	035	AEO	3
B-04805	036	AEO	3
B-04805	037	AEO	3
B-04979	006	AEO	3
B-20000	028	AEO	4
B-20000	228	AEO	4
B-20000	229	AEO	4
B-20000	230	AEO	4
B-20000	231	AEO	5

AEP RUBBER, MATERIALS, TARGETS

B-03355	038	AEP	1
B-03355	040	AEP	1
B-03355	041	AEP	1
B-04642	011	AEP	2

AEQ TAR, MATERIALS, TARGETS

B-1352		AEQ	1
B-2000		AEQ	2
B-2000		AEQ	2

AER TILE, MATERIALS, TARGETS

B-03995	250	AER	1

8-03995 287	BFA	4
8-03995 288	BFA	5
8-03995 289	BFA	5
8-03995 290	BFDA	6
8-03995 291	BFDA	6
8-03995 292	BFDA	6
8-03995 293	BFDA	6
8-03995 294	BFDA	7
8-03995 295	BFDA	7
8-03995 296	BFDA	7
8-03995 297	BFDA	7
8-03995 298	BFDA	8
8-03995 299	BFDA	8
8-03995 300	BFDA	8
8-03995 301	BFDA	8
8-03995 302	BFA	5
8-03995 303	BFA	5
8-03995 304	BFA	6
8-03995 305	BFA	6
8-03995 306	BFA	6
8-03995 307	BFA	6
8-03995 308	BFA	7
8-03995 309	BFA	7
8-03995 310	BFA	7
8-03995 311	BFFA	8
8-03995 316	BF	17
8-03995 318	BF	17
8-03995 337	BH	9
8-03995 338	BH	9
8-03995 339	BH	10
8-03995 340	BH	10
8-03995 341	BH	10
8-03995 342	BH	10
8-03995 343	BH	11
8-03995 344	BH	11
8-03995 345	BH	11
8-03995 346	BH	11
8-03995 347	BH	12
8-03995 348	BH	12
8-03995 349	BH	12
8-03995 351	BH	12
8-03995 353	BH	13
8-03995 354	BH	13

8EA FLAT, TERRAIN, BACKGROUNDS

8-01049 022	BE	3
8-01370 003	BE	3
8-01370 004	BE	3
8-01370 005	BE	3
8-01370 009	BE	4
8-01370 010	BGD	1
8-01370 011	BGD	1
8-01370 013	BE	4
8-01370 014	BE	4
8-01370 018	BE	4
8-01370 021	BE	5
8-01370 022	BE	5
8-01370 028	BE	5
8-01370 029	BE	5
8-01370 032	BE	6
8-01370 035	BE	6
8-01370 036	BE	6
8-01370 041	BE	6
8-03258 001	BE	7
8-03258 002	BE	7
8-03258 003	BFCA	5

8EC HILLY, TERRAIN, BACKGROUNDS

8-01370 027	BE	7
8-01370 040	BE	7
8-01370 043	BE	8
8-03995 315	BE	8

8ED MOUNTAINOUS, TERRAIN, BACKGROUNDS

8-01049 023	BE	8
8-01049 024	BE	8
8-01049 025	BE	9
8-01370 030	BE	9
8-01370 031	BE	9
8-01370 037	BE	9
8-01370 038	BE	10
8-01370 039	BE	10
8-01370 042	BE	10
8-03995 054	BE	10
8-03995 071	BGC	15
8-03995 073	BGC	15
8-03995 081	BE	11
8-03995 094	BGC	16
8-03995 141	BGC	28
8-03995 154	BGC	28
8-03995 168	BG	9
8-03995 169	BG	9
8-03995 170	BG	4
8-03995 171	BGB	1
8-03995 172	BGB	1
8-03995 173	BFBD	2
8-03995 174	BG	4
8-03995 175	BGA	1
8-03995 185	BGC	63
8-03995 230	BE	11
8-03995 232	BE	11
8-03995 233	BE	11
8-03995 243	BF	16
8-03995 244	BF	16
8-03995 245	BF	16
8-03995 312	BE	12
8-03995 313	BE	12
8-03995 314	BE	12
8-03995 334	BH	3

8EE RURAL, TERRAIN, BACKGROUNDS

8-03995 075	BE	12
8-03995 076	BE	13
8-03995 077	BE	13
8-03995 078	BE	13
8-03995 079	BE	13
8-03995 080	BE	14
8-03995 089	BGC	2
8-03995 090	BGC	2
8-03995 091	BGC	2
8-03995 092	BGC	143
8-03995 093	BGC	1
8-03995 093	BGC	16
8-03995 096	BGC	16
8-03995 097	BGC	17
8-03995 098	BGC	17
8-03995 099	BGC	17
8-03995 100	BGC	17
8-03995 101	BGC	18
8-03995 102	BGC	18
8-03995 103	BGC	18
8-03995 104	BGC	18
8-03995 105	BGC	19
8-03995 106	BGC	19
8-03995 107	BGC	19
8-03995 108	BGC	19
8-03995 109	BGC	20
8-03995 110	BGC	20
8-03995 111	BGC	20
8-03995 112	BGC	20
8-03995 113	BGC	21
8-03995 114	BGC	21
8-03995 115	BGC	21
8-03995 116	BGC	21
8-03995 117	BGC	22
8-03995 118	BGC	22
8-03995 119	BGC	22
8-03995 120	BGC	22
8-03995 121	BGC	23
8-03995 122	BGC	23
8-03995 123	BGC	23
8-03995 124	BGC	23
8-03995 125	BGC	24
8-03995 126	BGC	24
8-03995 127	BGC	24
8-03995 128	BGC	24
8-03995 129	BGC	25
8-03995 130	BGC	25
8-03995 131	BGC	25
8-03995 132	BGC	25
8-03995 133	BGC	26
8-03995 134	BGC	26

8-03995	135	BGC	26
8-03995	136	BGC	26
8-03995	137	BGC	27
8-03995	138	BGC	27
8-03995	139	BGC	27
8-03995	140	BGC	27
8-03995	142	BGC	28
8-03995	143	BGC	28
8-03995	176	BGC	70
8-03995	177	BGC	114
8-03995	179	BGC	104
8-03995	180	BGC	104
8-03995	181	BGC	112
8-03995	182	BGC	112
8-03995	183	BGC	112
8-03995	184	BGC	55
8-03995	186	BGC	63
8-03995	187	BGC	64
8-03995	188	BGC	64
8-03995	189	BGC	64
8-03995	190	BGC	64
8-03995	191	BGC	65
8-03995	192	BGC	1
8-03995	193	BGC	65
8-03995	194	BGC	113
8-03995	195	BGC	34
8-03995	196	BGC	105
8-03995	197	BGC	61
8-03995	198	BGC	61
8-03995	199	BGC	61
8-03995	200	BGC	61
8-03995	201	BGC	95
8-03995	202	BGC	96
8-03995	203	BGC	96
8-03995	204	BGC	96
8-03995	205	BGC	96
8-03995	206	BGC	98
8-03995	207	BGC	97
8-03995	208	BGC	97
8-03995	209	BGC	97
8-03995	210	BGC	97
8-03995	211	BGC	98
8-03995	212	BGC	98
8-03995	213	BGC	98
8-03995	214	BGC	67
8-03995	215	BGC	67
8-03995	216	BGC	67
8-03995	217	BGC	65
8-03995	218	BGC	99
8-03995	219	BGC	67
8-03995	220	BGC	113
8-03995	223	BGC	34
8-03995	224	BGC	34
8-03995	225	BGC	34
8-03995	226	BGC	35
8-03995	227	BGC	35
8-03995	228	AAA	1
8-03995	229	BE	14

BF SOIL, BACKGROUNDS

8-00830	006	BF	.
8-00830	008	BF	1
8-00830	009	BF	1
8-00830	010	BF	1
8-00830	011	BF	2
8-00830	012	BF	2
8-00830	013	BF	2
8-00830	014	BF	2
8-00830	015	BF	3
8-00830	016	BF	3
8-00830	045	BF	3
8-00830	046	BF	3
8-00830	047	BF	4
8-00830	048	BF	4
8-00830	065	BF	4
8-00830	067	BF	4
8-00830	094	BF	5
8-00830	096	BF	5
8-00830	135	BF	5
8-00830	136	BF	5
8-00830	155	BF	6
8-00830	156	BF	6
8-00830	157	BF	6
8-00830	158	BF	6
8-00830	171	BF	7
8-00830	172	BF	7
8-00830	173	BF	7
8-00830	174	BF	7
8-00830	175	BF	8
8-00830	176	BF	8
8-00830	177	BF	8
8-00830	178	BF	8
8-00830	187	BF	9
8-00830	188	BF	9
8-00830	189	BF	9
8-00830	190	BF	9
8-00830	195	BF	10
8-00830	196	BF	10
8-00830	197	BF	10
8-00830	198	BF	10
8-01035	001	BF	11
8-01035	002	BF	11
8-01035	003	BF	11
8-01035	004	BF	11
8-01035	005	BF	12
8-01035	006	BF	12
8-01035	007	BF	12
8-01035	008	BF	12
8-01035	009	BF	13
8-01035	010	BF	13
8-01176	047	BF	13
8-01370	024	BF	13
8-01370	025	BF	14
8-01818	019	BF	14
8-01818	025	BF	14
8-03995	238	BF	14
8-03995	239	BF	15
8-03995	240	BF	15
8-03995	241	BF	15
8-03995	242	BF	15
8-03995	243	BF	16
8-03995	244	BF	16
8-03995	245	BF	16
8-03995	271	BF	16
8-03995	316	BF	17
8-03995	317	BF	17
8-03995	318	BF	17
8-03995	322	AAG	2
8-04804	008	BF	18
8-04804	009	BF	18
8-04804	016	BF	18
8-04804	017	BF	18

BFA CULTIVATED, SOIL, BACKGROUNDS

8-03995	272	BFA	1
8-03995	273	BFA	1
8-03995	274	BFA	1
8-03995	275	BFA	1
8-03995	276	BFA	2
8-03995	277	BFA	2
8-03995	278	BFA	2
8-03995	279	BFA	2
8-03995	280	BFA	3
8-03995	281	BFA	3
8-03995	282	BFA	3
8-03995	283	BFA	3
8-03995	284	BFA	4
8-03995	285	BFA	4
8-03995	286	BFA	4
8-03995	287	BFA	4
8-03995	288	BFA	5
8-03995	289	BFA	5
8-03995	302	BFA	5
8-03995	303	BFA	5
8-03995	304	BFA	6
8-03995	305	BFA	6
8-03995	306	BFA	6
8-03995	307	BFA	6
8-03995	308	BFA	7
8-03995	309	BFA	7
8-03995	310	BFA	7

BFCA SAND, COARSE-TEXTURED, SOIL, BACKGROUNDS

B-00830	005	BFCA	1
B-00830	007	BFCA	1
B-00830	033	BFCA	1
B-00830	034	BFCA	1
B-00830	035	BFCA	2
B-00830	036	BFCA	2
B-00830	107	BFCA	2
B-00830	108	BFCA	2
B-00830	139	BFCA	3
B-00830	140	BFCA	3
B-00830	199	BFCA	3
B-00830	200	BFCA	3
B-00830	201	BFCA	4
B-00830	202	BFCA	4
B-01337	025	BFCA	4
B-01339	003	BFCA	4
B-01339	004	BFCA	5
B-01339	005	BFCA	5
B-01339	006	BFCA	5
B-03258	003	BFCA	5
B-03995	056	BGC	58
B-03995	057	BGC	58
B-03995	058	BGC	58
B-03995	059	BGC	58
B-03995	060	BGC	59
B-03995	061	BGC	59
B-03995	062	BGC	59
B-03995	063	BGC	59
B-03995	065	BGC	60
B-03995	066	BGC	60
B-03995	067	BGC	60
B-03995	068	BGC	60
B-03995	153	BGC	68
B-03995	235	BFCA	6
B-03995	246	BFCA	6
B-03995	247	BFCA	6
B-03995	248	BFCA	6
B-03995	249	BFCA	7
B-03995	250	BFCA	7
B-03995	251	BFCA	7
B-03995	252	BFCA	7
B-03995	253	BFCA	8
B-03995	254	BFCA	8
B-03995	255	BFCA	8
B-03995	256	BFCA	8
B-03995	257	BFCA	9
B-03995	258	BFCA	9
B-03995	259	BFCA	9
B-03995	260	BFCA	9
B-03995	261	BFCA	10
B-03995	262	BFCA	10
B-03995	263	BFCA	10
B-03995	264	BFCA	10
B-03995	265	BFCA	11
B-03995	266	BFCA	11
B-03995	267	BFCA	11
B-04802	001	BFCA	12
B-04802	002	BFCA	12
B-04802	003	BFCA	12
B-04804	007	BFCA	12
B-04804	010	BFCA	13
B-04804	011	BFCA	13
B-04804	012	BFCA	13
B-04804	013	BFCA	13
B-04804	014	BFCA	14
B-04979	090	AEH	67

BFCB LOAMY SAND, COARSE-TEXTURED, SOIL, BACKGROUNDS

B-00830	111	BFCB	1
B-00830	112	BFCB	1
B-00830	115	BFCB	1
B-00830	116	BFCB	1

BFDA SANDY LOAM, MODERATELY COARSE-TEXTURED, SOIL, BACKGROUNDS

B-00830	053	BFDA	1
B-00830	054	BFDA	1
B-00830	055	BFDA	1
B-00830	056	BFDA	1
B-00830	057	BFDA	2
B-00830	058	BFDA	2
B-00830	077	BFDA	2
B-00830	078	BFDA	2
B-00830	093	BFDA	3
B-00830	095	BFDA	3
B-00830	121	BFDA	3
B-00830	122	BFDA	3
B-00830	129	BFDA	4
B-00830	130	BFDA	4
B-00830	191	BFDA	4
B-00830	192	BFDA	4
B-00830	193	BFDA	5
B-00830	194	BFDA	5
B-01337	031	BFDA	5
B-01339	007	BFDA	5
B-03995	290	BFDA	6
B-03995	291	BFDA	6
B-03995	292	BFDA	6
B-03995	293	BFDA	6
B-03995	294	BFDA	7
B-03995	295	BFDA	7
B-03995	296	BFDA	7
B-03995	297	BFDA	7
B-03995	298	BFDA	8
B-03995	299	BFDA	8
B-03995	300	BFDA	8
B-03995	301	BFDA	8
B-03995	320	AAC	1
B-03995	321	AAC	1

BFDB FINE SANDY LOAM, MODERATELY COARSE-TEXTURED, SOIL, BACKGROUNDS

B-00830	066	BFDB	1
B-00830	068	BFDB	
B-00830	069	BFDB	1
B-00830	070	BFDB	1
B-00830	073	BFDB	2
B-00830	074	BFDB	2
B-00830	085	BFDB	2
B-00830	086	BFDB	2
B-00830	087	BFDB	3
B-00830	088	BFDB	3
B-00830	103	BFDB	3
B-00830	104	BFDB	3
B-00830	137	BFDB	4
B-00830	138	BFDB	4
B-00830	145	BFDB	4
B-00830	146	BFDB	4
B-00830	147	BFDB	5
B-00830	148	BFDB	5
B-00830	163	BFDB	5
B-00830	164	BFDB	5
B-00830	165	BFDB	6
B-00830	166	BFDB	6

BFEA LOAM, MEDIUM-TEXTURED, SOIL, BACKGROUNDS

B-00830	017	BFEA	1
B-00830	018	BFEA	1
B-00830	019	BFEA	1
B-00830	020	BFEA	1
B-00830	049	BFEA	2
B-00830	050	BFEA	2
B-00830	051	BFEA	2
B-00830	052	BFEA	2
B-00830	059	BFEA	3
B-00830	060	BFEA	3
B-00830	062	BFEA	3
B-00830	064	BFEA	3
B-00830	075	BFEA	4
B-00830	076	BFEA	4
B-00830	079	BFEA	4
B-00830	080	BFEA	4
B-00830	082	BFEA	5

S-00830 084	BFEA	5
S-00830 090	BFEA	5
S-00830 092	BFEA	5
S-00830 131	BFEA	6
S-00830 132	BFEA	6
S-00830 133	BFEA	6
S-00830 134	BFEA	6
S-00830 141	BFEA	7
S-00830 142	BFEA	7
S-00830 159	BFEA	7
S-00830 160	BFEA	7
S-00830 161	BFEA	8
S-00830 162	BFEA	8
S-01176 049	BFEA	8
S-01818 022	BFEA	8
S-01818 024	BFEA	9

BFEB SILT LOAM, MEDIUM-TEXTURED, SOIL, BACKGROUNDS

S-00830 021	BFEB	1
S-00830 022	BFEB	1
S-00830 023	BFEB	1
S-00830 024	BFEB	1
S-00830 025	BFEB	2
S-00830 026	BFEB	2
S-00830 027	BFEB	2
S-00830 028	BFEB	2
S-00830 041	BFEB	3
S-00830 042	BFEB	3
S-00830 043	BFEB	3
S-00830 044	BFEB	3
S-00830 081	BFEB	4
S-00830 083	BFEB	4
S-00830 089	BFEB	4
S-00830 091	BFEB	4
S-00830 098	BFEB	5
S-00830 100	BFEB	5
S-00830 119	BFEB	5
S-00830 120	BFEB	5
S-00830 123	BFEB	6
S-00830 124	BFEB	6
S-00830 143	BFEB	6
S-00830 145	BFEB	6
S-00830 149	BFEB	7
S-00830 150	BFEB	7
S-01818 016	BFEB	7
S-01818 017	BFEB	7
S-01818 018	BFEB	8
S-01818 020	BFEB	8
S-01818 023	BFEB	8
S-20000 246	BFEB	9
S-20000 247	BFEB	9
S-20000 248	BFEB	9
S-20000 249	BFEB	9
S-20000 250	BFEB	10
S-20000 251	BFEB	10
S-20000 252	BFEB	10
S-20000 253	BFEB	10
S-20000 254	BFEB	11
S-20000 255	BFEB	11

BFEC SILT, MEDIUM-TEXTURED, SOIL, BACKGROUNDS

S-03995 237	BFEC	1

BFFA CLAY LOAM, MODERATELY FINE-TEXTURED, SOIL, BACKGROUNDS

S-00830 029	BFFA	1
S-00830 030	BFFA	1
S-00830 031	BFFA	1
S-00830 032	BFFA	1
S-00830 037	BFFA	2
S-00830 038	BFFA	2
S-00830 039	BFFA	2
S-00830 040	BFFA	2
S-00830 061	BFFA	3
S-00830 063	BFFA	3
S-00830 071	BFFA	3
S-00830 072	BFFA	3
S-00830 109	BFFA	4
S-00830 110	BFFA	4
S-00830 113	BFFA	4
S-00830 114	BFFA	4
S-00830 125	BFFA	5
S-00830 126	BFFA	5
S-00830 127	BFFA	5
S-00830 128	BFFA	5
S-00830 151	BFFA	6
S-00830 152	BFFA	6
S-00830 153	BFFA	6
S-00830 154	BFFA	6
S-00830 183	BFFA	7
S-00830 184	BFFA	7
S-00830 185	BFFA	7
S-00830 186	BFFA	7
S-01818 021	BFFA	8
S-03995 311	BFFA	8
S-20000 238	BFFA	9
S-20000 239	BFFA	9
S-20000 240	BFFA	9
S-20000 241	BFFA	9
S-20000 242	BFFA	10
S-20000 243	BFFA	10
S-20000 244	BFFA	10
S-20000 245	BFFA	10

BFFC SILTY CLAY LOAM, MODERATELY FINE-TEXTURED, SOIL, BACKGROUNDS

S-20000 234	BFFC	1
S-20000 235	BFFC	1
S-20000 236	BFFC	1
S-20000 237	BFFC	1

BFGC CLAY, FINE-TEXTURED, SOIL, BACKGROUNDS

S-00830 001	BFGC	1
S-00830 002	BFGC	1
S-00830 003	BFGC	1
S-00830 004	BFGC	1
S-00830 097	BFGC	2
S-00830 099	BFGC	2
S-00830 101	BFGC	2
S-00830 102	BFGC	2
S-00830 105	BFGC	3
S-00830 106	BFGC	3
S-00830 117	BFGC	3
S-00830 118	BFGC	3
S-00830 203	BFGC	4
S-00830 204	BFGC	4
S-00830 206	BFGC	4
S-01337 008	BFGC	5
S-01337 009	BFGC	5
S-03995 234	BFGC	5
S-04979 075	AEM	66

BFHA ORGANIC MATERIAL, OTHER CONSTITUENTS, SOIL, BACKGROUNDS

S-00830 179	BFHA	1
S-00830 180	BFHA	1
S-00830 181	BFHA	1
S-00830 182	BFHA	1

BFHB GRAVEL (LESS THAN 3 INCH DIAMETER), OTHER CONSTITUENTS, SOIL, BACKGROUNDS

S-00830 069	BFDB	1
S-00830 070	BFDB	1
S-00830 163	BFDB	5
S-00830 164	BFDB	5
S-00830 165	BFDB	6
S-00830 166	BFDB	6
S-01337 003	BFHB	1
S-01337 038	AEM	1
S-03995 246	BFCA	6

BFHC COBBLES (3 TO 10 INCH DIAMETER), OTHER CONSTITUENTS, SOIL, BACKGROUNDS

S-03995 329	AAG	3
S-03995 330	AAG	4
S-03995 331	AAG	4
S-03995 332	AAG	4
S-03995 362	AAG	4
S-03995 363	AAG	5

BFHD STONES (GREATER THAN 10 INCH DIAMETER), OTHER CONSTITUENTS, SOIL, BACKGROUNDS

B-00830 167	BFHD	1
B-00830 168	BFHD	1
B-00830 169	BFHD	1
B-00830 170	BFHD	1
B-03258 004	BFHD	2
B-03258 006	BFHD	2
B-03995 173	BFHD	2
B-03995 355	BFHD	2
B-03995 369	AAG	5

BFIA AGUAN, SERIES, SOIL, BACKGROUNDS

B-00830 025	BFEB	2
B-00830 026	BFEB	2
B-00830 027	BFEB	2
B-00830 028	BFEB	2

BFIB AIKEN, SERIES, SOIL, BACKGROUNDS

B-00830 029	BFFA	1
B-00830 030	BFFA	1
B-00830 031	BFFA	1
B-00830 032	BFFA	1

BFIC AKROH, SERIES, SOIL, BACKGROUNDS

B-00830 075	BFEA	4
B-00830 076	BFEA	4

BFID ALAMANCE, SERIES, SOIL, BACKGROUNDS

B-00830 123	BFEB	6
B-00830 124	BFEB	6

BFIE ALBION, SERIES, SOIL, BACKGROUNDS

B-00830 082	BFEA	5
B-00830 084	BFEA	5

BFIF ALONSO, SERIES, SOIL, BACKGROUNDS

B-00830 203	BFGC	4
B-00830 204	BFGC	4
B-00830 205	BFGC	4
B-00830 206	BFGC	4

BFIG BARNES, SERIES, SOIL, BACKGROUNDS

B-00830 087	BFDB	3
B-00830 088	BFDB	3
B-01818 017	BFEB	7

BFIH BLAKELY, SERIES, SOIL, BACKGROUNDS

B-00830 062	BFEA	3
B-00830 064	BFEA	3
B-00830 183	BFFA	7
B-00830 184	BFFA	7
B-00830 185	BFFA	7
B-00830 186	BFFA	7

BFII CLAREVILLE, SERIES, SOIL, BACKGROUNDS

B-00830 105	BFGC	3
B-00830 106	BFGC	3

BFIJ CLARION, SERIES, SOIL, BACKGROUNDS

B-00830 017	BFEA	1
B-00830 018	BFEA	1
B-00830 019	BFEA	1
B-00830 020	BFEA	1

BFIK COLLINGTON, SERIES, SOIL, BACKGROUNDS

B-01339 007	BFDA	5

BFIL COLTS NECK, SERIES, SOIL, BACKGROUNDS

B-00830 049	BFEA	2
B-00830 050	BFEA	2
B-00830 051	BFEA	2
B-00830 052	BFEA	2
B-00830 059	BFEA	3
B-00830 060	BFEA	3
B-00830 111	BFCB	1
B-00830 112	BFCB	1
B-00830 141	BFEA	7
B-00830 142	BFEA	7
B-01818 024	BFEA	9

BFIM DECATUR, SERIES, SOIL, BACKGROUNDS

B-00830 089	BFEB	4
B-00830 091	BFEB	4

BFIN DUBLIN, SERIES, SOIL, BACKGROUNDS

B-00830 125	BFFA	5
B-00830 126	BFFA	5
B-01818 021	BFFA	8

BFIO GOOCH, SERIES, SOIL, BACKGROUNDS

B-00830 144	BFDB	4
B-00830 146	BFDB	4
B-01818 018	BFEB	8

BFIP GRADY, SERIES, SOIL, BACKGROUNDS

B-00830 121	BFDA	3
B-00830 122	BFDA	3
B-01818 023	BFEB	8

BFIQ GREENVILLE, SERIES, SOIL, BACKGROUNDS

B-00830 057	BFDA	2
B-00830 058	BFDA	2
B-00830 159	BFEA	7
B-00830 160	BFEA	7
B-00830 161	BFEA	8
B-00830 162	BFEA	8

BFIR GUTHRIE, SERIES, SOIL, BACKGROUNDS

B-00830 149	BFEB	7
B-00830 150	BFEB	7

BFIS HAINAHANU, SERIES, SOIL, BACKGROUNDS

B-01818 016	BFEB	7

BFIT HALL, SERIES, SOIL, BACKGROUNDS

B-00830 066	BFDB	1
B-00830 068	BFDB	1

BFIU HAMAKUA, SERIES, SOIL, BACKGROUNDS

B-00830 079	BFEA	4
B-00830 080	BFEA	4

BFIV HERRADURA, SERIES, SOIL, BACKGROUNDS

B-00830 021	BFEB	1
B-00830 022	BFEB	1
B-00830 023	BFEB	1
B-00830 024	BFEB	1

BFIW JOPLIN, SERIES, SOIL, BACKGROUNDS

B-00830 090	BFEA	5
B-00830 092	BFEA	5

BFIY MARSHALL, SERIES, SOIL, BACKGROUNDS

B-00830 119	BFEB	5
B-00830 120	BFEB	5

BFIZ MATANZAS, SERIES, SOIL, BACKGROUNDS

B-00830 117	BFGC	3
B-00830 118	BFGC	3

BFJA MAURY, SERIES, SOIL, BACKGROUNDS

B-00830 081	BFEB	4
B-00830 083	BFEB	4
B-01818 020	BFEB	4

BFJB MOAULA, SERIES, SOIL, BACKGROUNDS

B-00830 037	BFFA	2
B-00830 038	BFFA	2
B-00830 039	BFFA	2
B-00830 040	BFFA	2
B-00830 127	BFFA	5
B-00830 128	BFFA	5

BFJC NAALEHU, SERIES, SOIL, BACKGROUNDS

B-00830 061	BFFA	3
B-00830 063	BFFA	3
B-00830 151	BFFA	6
B-00830 152	BFFA	6
B-00830 153	BFFA	6
B-00830 154	BFFA	6

BFJC	ONONEA, SERIES, SOIL, BACKGROUNDS			
	B-00830 131	BFEA	6	
	B-00830 132	BFEA	6	
BFJE	OOKALA, SERIES, SOIL, BACKGROUNDS			
	B-00830 109	BFFA	4	
	B-00830 110	BFFA	4	
	B-00830 113	BFFA	4	
	B-00830 114	BFFA	4	
BFJF	ORANGEBURG, SERIES, SOIL, BACKGROUNDS			
	B-00830 115	BFCB	1	
	B-00830 116	BFCB	1	
	B-00830 147	BFDB	5	
	B-00830 148	BFDB	5	
BFJG	ORIENTE, SERIES, SOIL, BACKGROUNDS			
	B-00830 101	BFGC	2	
	B-00830 102	BFGC	2	
BFJH	ORMAN, SERIES, SOIL, BACKGROUNDS			
	B-00830 097	BFGC	2	
	B-00830 099	BFGC	2	
BFJJ	PENN, SERIES, SOIL, BACKGROUNDS			
	B-00830 098	BFEB	5	
	B-00830 100	BFEB	5	
BFJK	PIERRE, SERIES, SOIL, BACKGROUNDS			
	B-00830 071	BFFA	3	
	B-00830 072	BFFA	3	
BFJL	PUTNAM, SERIES, SOIL, BACKGROUNDS			
	B-00830 085	BFDB	2	
	B-00830 086	BFDB	2	
BFJM	QUIBDO, SERIES, SOIL, BACKGROUNDS			
	B-00830 001	BFGC	1	
	B-00830 002	BFGC	1	
	B-00830 003	BFGC	1	
	B-00830 004	BFGC	1	
BFJN	RUBICON, SERIES, SOIL, BACKGROUNDS			
	B-00830 005	BFCA	1	
	B-00830 007	BFCA	1	
BFJO	RUSTON, SERIES, SOIL, BACKGROUNDS			
	B-00830 053	BFDA	1	
	B-00830 054	BFDA	1	
	B-00830 055	BFDA	1	
	B-00830 056	BFDA	1	
	B-00830 093	BFDA	3	
	B-00830 095	BFDA	3	
	B-00830 129	BFDA	4	
	B-00830 130	BFDA	4	
	B-00830 139	BFCA	3	
	B-00830 140	BFCA	3	
BFJP	SANTA BARBARA, SERIES, SOIL, BACKGROUNDS			
	B-00830 069	BFDB	1	
	B-00830 070	BFDB	1	
	B-00830 163	BFDB	6	
	B-00830 164	BFDB	6	
	B-00830 165	BFDB	6	
	B-00830 166	BFDB	6	
BFJQ	TEXAS DUNE, SERIES, SOIL, BACKGROUNDS			
	B-00830 033	BFCA	1	
	B-00830 034	BFCA	1	
	B-00830 035	BFCA	1	
	B-00830 036	BFCA	2	
BFJR	TIFTON, SERIES, SOIL, BACKGROUNDS			
	B-00830 077	BFDA	2	
	B-00830 078	BFDA	2	
BFJS	TILLMAN, SERIES, SOIL, BACKGROUNDS			
	B-00830 073	BFDB	2	
	B-00830 074	BFDB	2	
BFJT	TILSIT, SERIES, SOIL, BACKGROUNDS			
	B-00830 143	BFEB	6	
	B-00830 145	BFEB	6	
BFJU	VERNON, SERIES, SOIL, BACKGROUNDS			
	B-00830 103	BFDB	3	
	B-00830 104	BFDB	3	
BFJV	WELD, SERIES, SOIL, BACKGROUNDS			
	B-00830 133	BFEA	6	
	B-00830 134	BFEA	6	
	B-00830 137	BFDB	4	
	B-00830 138	BFDB	4	
BFJW	WINDTHORST, SERIES, SOIL, BACKGROUNDS			
	B-00830 107	BFCA	2	
	B-00830 108	BFCA	2	
	B-00830 199	BFCA	3	
	B-00830 200	BFCA	3	
	B-00830 201	BFCA	4	
	B-00830 202	BFCA	4	
BFJY	ZANESVILLE, SERIES, SOIL, BACKGROUNDS			
	B-00830 041	BFEB	3	
	B-00830 042	BFEB	3	
	B-00830 043	BFEB	3	
	B-00830 044	BFEB	3	
BFK	MINERALS, SOIL, BACKGROUNDS			
	B-04804 001	BFK	1	
	B-04804 002	BFK	1	
	B-04804 003	BFK	1	
	B-04804 004	BFK	1	
	B-04804 005	BFK	2	
	B-04804 006	BFK	2	
	B-04804 015	BFK	2	
	B-04805 040	AEM	66	
	B-04805 041	BFK	2	
	B-04979 074	BFK	3	
	B-04979 077	BFK	3	
	B-04979 082	AEM	66	
	B-04979 084	BFK	3	
	B-04979 085	BFK	3	
	B-04979 086	BFL	1	
	B-04979 089	AEM	67	
	B-04979 093			
BFL	CHEMICALS, SOIL, BACKGROUNDS			
	B-04805 042			
	B-04805 043	AEM	89	
	B-04979 077	AEM	80	
	B-04979 085	BFK	3	
	B-04979 086	BFK	3	
	B-04979 088	BFL	1	
	B-04979 089	BFL	1	
	B-04979 091	BFL	1	
	B-04979 092	AEM	67	
	B-04979 099	BFL	1	
	B-04979 112	BFL	2	
	B-04979 113	BFL	2	
	B-04979 123	AEA	6	
BG	VEGETATION, BACKGROUNDS			
	B-00829 032	BG	1	
	B-00829 035	BG	1	
	B-01176 046	BG	1	
	B-01337 001	BG	1	
	B-01337 002	BG	2	
	B-01370 006	BG	2	
	B-01370 007	BG	2	
	B-01370 008	BG	2	
	B-03995 043	BG	8	
	B-03995 044	BG	8	
	B-03995 050	BG	3	
	B-03995 051	BG	3	
	B-03995 052	BG	3	
	B-03995 053	BG	3	
	B-03995 165	BG	4	
	B-03995 166	BG	4	
	B-03995 169	BG	9	
	B-03995 170	BG	4	

B-03995 173 BFHD 2
B-03995 174 BG 4
B-03995 228 AAA 1
B-03995 229 BE 14

BGAAA REINDEER MOSS, CLADONIACEAE FAMILY, ALGAE-FUNGI, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 175 BGA 1

BGBAA SPHAGNUM MOSS, SPHAGNUM FAM., MOSS-LIVERWORT, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03333 001 BGB 2
B-03995 171 BGB 1
B-03995 172 BGB 1

BGC VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01761 029 BGC 144
B-01761 030 BGC 144
B-20000 337 BGC 144
B-20000 338 BGC 144
B-20000 340 BGC 145
B-20000 341 BGC 145

BGCD COMPOSITE FAMILY (CF. LIGNEOUS), VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01761 031 BGC 145
B-01761 032 BGC 145
B-01761 033 BGC 146
B-01761 034 BGC 146

BGCDA DAISY, COMPOSITE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 093 BGC 1

BGCDC RAGWEED, COMPOSITE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 104 BGC 1

BGCDD SUNFLOWER, COMPOSITE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 192 BGC 1

BGCEA SWEET POTATO, CONVOLVULUS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 108 BGC 1

BGCFA CROWFOOT, CROWFOOT FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 089 BGC 2
B-03995 090 BGC 2
B-03995 091 BGC 2

BGCGA DUCKWEED, DUCKWEED FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 144 BH 2
B-03995 152 BGC 2

BGCIA BRACKEN FERN, FERN FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 102 BGC 3

BGCJA FLAX, FLAX FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 115 BGC 3
B-01643 116 BGC 3
B-01643 117 BGC 3
B-01643 118 BGC 4
B-01643 119 BGC 4

BGCK GOOSEFOOT FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01049 017 BGC 4
B-01049 018 BGC 4
B-01049 019 BGC 5

BGCKA PIGWEED, GOOSEFOOT FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 033 BGC 5
B-01643 034 BGC 5
B-01643 035 BGC 5

BGCKB SUGAR BEET, GOOSEFOOT FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 120 BGC 6
B-01643 121 BGC 6
B-01643 122 BGC 6
B-01643 123 BGC 6
B-01643 124 BGC 7
B-01643 125 BGC 7
B-01643 126 BGC 7
B-01643 127 BGC 7
B-01643 128 BGC 8

BGCLA SQUASH, GOURD FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 132 BGC 8
B-01643 133 BGC 8
B-01643 134 BGC 8

BGCM GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01176 048 BGC 9
B-02418 162 BGC 9
B-02418 163 BGC 9
B-02418 164 BGC 9
B-02418 165 BGC 9
B-02418 166 BGC 9
B-02418 167 BGC 9
B-02418 168 BGC 9
B-02418 169 BGC 9
B-02418 170 BGC 10
B-02418 171 BGC 10
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B-02418 357 BGC 14
B-03995 070 BGC 15
B-03995 071 BGC 15
B-03995 072 BGC 15

B-03995 073 BGC 15
B-03995 074 BGC 16
B-03995 094 BGC 16
B-03995 095 BGC 16
B-03995 096 BGC 16
B-03995 097 BGC 17
B-03995 098 BGC 17
B-03995 099 BGC 17
B-03995 100 BGC 17
B-03995 101 BGC 18
B-03995 102 BGC 18
B-03995 103 BGC 18
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B-03995 141 BGC 28
B-03995 142 BGC 28
B-03995 143 BGC 28
B-03995 146 BH 2
B-03995 154 BGC 28
B-03995 155 BGC 29
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B-03995 162 BGC 30
B-03995 163 BGC 31
B-03995 164 BGC 31
B-03995 167 BGC 31
B-04803 022 BGC 146
B-04803 023 BGC 146
B-04803 024 BGC 147
B-04803 025 BGC 147
B-20000 219 BGC 147
B-20000 220 BGC 147
B-20000 221 BGC 148
B-20000 222 BGC 148

BGCNA BARLEY, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 182 BGC 31
B-01643 183 BGC 32
B-01643 184 BGC 32
B-01643 185 BGC 32
B-01643 186 BGC 32
B-01643 187 BGC 33
B-01643 188 BGC 33
B-01643 189 BGC 33
B-01643 190 BGC 33
B-03995 195 BGC 34
B-03995 223 BGC 34
B-03995 224 BGC 34
B-03995 225 BGC 34
B-03995 226 BGC 35
B-03995 227 BGC 35

BGCNB BERMUDA GRASS, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 103 BGC 35

BGCNC CORN, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 107 BGC 35
B-01643 078 BGC 36
B-01643 079 BGC 36
B-01643 080 BGC 36
B-01643 081 BGC 36
B-01643 082 BGC 37
B-01643 083 BGC 37
B-01643 084 BGC 37
B-01643 085 BGC 37
B-01643 086 BGC 38
B-01643 087 BGC 38
B-01643 088 BGC 38
B-01643 089 BGC 38
B-01643 090 BGC 39
B-01761 035 BGC 148
B-01761 036 BGC 148
B-01948 002 BGC 149
B-01948 010 BGC 149
B-01948 011 BGC 149
B-01948 012 BGC 149
B-02418 001 BGC 39
B-02418 002 BGC 39
B-02418 003 BGC 39
B-02418 004 BGC 39
B-02418 005 BGC 39
B-02418 006 BGC 39
B-02418 007 BGC 39
B-02418 008 BGC 39
B-02418 009 BGC 39
B-02418 010 BGC 40
B-02418 011 BGC 40
B-02418 012 BGC 40
B-02418 013 BGC 40
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B-02418 015 BGC 40
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B-02418 044 BGC 43
B-02418 045 BGC 44

B-02418	046	BGC	44
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B-02418	061	BGC	45
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B-02418	068	BGC	45
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B-02418	157	BGC	55
B-02418	158	BGC	55
B-02418	159	BGC	55
B-02418	160	BGC	55
B-02418	161	BGC	55
B-03995	184	BGC	55

BGCMG CREEPING GRASS, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-00829	099	BGC	55

BGCME FESCUE, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01818	015	BGC	56
B-02418	338	BGC	56
B-02418	339	BGC	56

BGCMF FOXTAIL, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01643	007	BGC	56
B-01643	008	BGC	56
B-01643	009	BGC	57
B-01643	010	BGC	57
B-01643	011	BGC	57
B-01643	012	BGC	57

BGCMG ILYAS, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-03995	056	BGC	58
B-03995	057	BGC	58
B-03995	058	BGC	58
B-03995	059	BGC	58
B-03995	060	BGC	59
B-03995	061	BGC	59
B-03995	062	BGC	59
B-03995	063	BGC	59
B-03995	065	BGC	60
B-03995	066	BGC	60
B-03995	067	BGC	60
B-03995	068	BGC	60

BGCMH MILLET, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-03995	197	BGC	61
B-03995	198	BGC	61
B-03995	199	BGC	61
B-03995	200	BGC	61

BGCMI OATS, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01643	001	BGC	62

B-01643 002 BGC 62
B-01643 003 BGC 62
B-01643 004 BGC 62
B-01643 005 BGC 63
B-01643 006 BGC 63
B-03995 185 BGC 63
B-03995 186 BGC 63
B-03995 187 BGC 64
B-03995 188 BGC 64
B-03995 189 BGC 64
B-03995 190 BGC 64
B-03995 191 BGC 65
B-03995 193 BGC 65
B-03995 217 BGC 65

BGCMJ REEDS, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 069 BGC 65

BGCMK RICE, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01337 032 BGC 66

BGCML RYE, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01352 001 BGC 66
B-01352 002 BGC 66
B-01352 003 BGC 66
B-03995 214 BGC 67
B-03995 215 BGC 67
B-03995 216 BGC 67
B-03995 219 BGC 67

BGCMM SELIN, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 153 BGC 68

BGCMN TIMOTHY, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-02418 336 BGC 68
B-03995 082 BGC 68
B-03995 083 BGC 68
B-03995 084 BGC 69
B-03995 085 BGC 69
B-03995 086 BGC 69
B-03995 087 BGC 69
B-03995 088 BGC 70

BGCMO VETCH, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 176 BGC 70

BGCMP WHEAT, GRASS FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01352 004 BGC 150
B-01352 005 BGC 150
B-01352 006 BGC 150
B-01352 007 BGC 150
B-01352 008 BGC 151
B-01352 009 BGC 151
B-01352 010 BGC 151
B-01352 011 BGC 151
B-01352 012 BGC 152
B-01352 013 BGC 152
B-01352 014 BGC 152
B-01352 015 BGC 152
B-01352 016 BGC 153
B-01352 017 BGC 153
B-01352 018 BGC 153
B-01352 019 BGC 153
B-01352 020 BGC 154
B-01352 021 BGC 154
B-01352 022 BGC 154
B-01352 023 BGC 154
B-01352 024 BGC 155
B-01352 025 BGC 155
B-01352 026 BGC 155
B-01352 027 BGC 155
B-01352 028 BGC 156
B-01352 029 BGC 156
B-01352 030 BGC 156

B-01643 109 BGC 70
B-01643 110 BGC 70
B-01643 111 BGC 71
B-01643 112 BGC 71
B-01643 113 BGC 71
B-01643 114 BGC 71
B-01643 144 BGC 72
B-01643 145 BGC 72
B-01643 146 BGC 72
B-01643 147 BGC 72
B-01643 148 BGC 73
B-01643 149 BGC 73
B-01643 150 BGC 73
B-01643 151 BGC 73
B-01643 152 BGC 74
B-01643 153 BGC 74
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B-01643 226 BGC 90
B-01643 227 BGC 91

B-01643 228 BGC 91
B-01643 229 BGC 91
B-01643 230 BGC 91
B-01643 231 BGC 92
B-01643 232 BGC 92
B-01643 233 BGC 92
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B-01643 236 BGC 93
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B-01643 245 BGC 95
B-03995 201 BGC 95
B-03995 202 BGC 96
B-03995 203 BGC 96
B-03995 204 BGC 96
B-03995 205 BGC 96
B-03995 206 BGC 98
B-03993 207 BGC 97
B-03995 208 BGC 97
B-03995 209 BGC 97
B-03995 210 BGC 97
B-03995 211 BGC 98
B-03995 212 BGC 98
B-03995 213 BGC 98
B-03995 218 BGC 99

BGCN HEATH FAMILY (CF. LIGNEOUS), VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-04803 017 BGC 156
B-04803 018 BGC 157
B-04803 019 BGC 157
B-04803 020 BGC 157
B-04803 021 BGC 157

BGCNB HEATHER, HEATH FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-03995 053 BGC 99

BGCO MALLOW FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01761 052 BGC 158
B-01761 053 BGC 158
B-01948 003 BGC 158
B-01948 004 BGC 158
B-01948 005 BGC 159
B-20000 005 BGC 159

BGCOA COTTON, MALLOW FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-01643 036 BGC 100
B-01643 037 BGC 100
B-01643 038 BGC 100
B-01643 039 BGC 100
B-01643 040 BGC 101
B-01643 041 BGC 101
B-01643 042 BGC 101
B-01643 043 BGC 101
B-01643 044 BGC 102
B-01643 045 BGC 102
B-01643 046 BGC 102
B-01643 047 BGC 102
B-03995 221 BGC 99
B-03995 222 BGC 99
B-04616 001 BGC 159
B-04616 002 BGC 159
B-04616 003 BGC 160
B-04616 004 BGC 160
B-04616 005 BGC 160
B-04616 006 BGC 160
B-04616 007 BGC 161
B-04616 008 BGC 161
B-04616 009 BGC 161
B-04616 010 BGC 161
B-04616 011 BGC 162
B-04616 012 BGC 162
B-04616 013 BGC 162
B-04616 014 BGC 162
B-04616 015 BGC 163
B-04616 016 BGC 163
B-04616 017 BGC 163
B-04616 018 BGC 163
B-04616 019 BGC 164
B-04616 020 BGC 164
B-04616 021 BGC 164
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B-04616 024 BGC 165
B-04616 025 BGC 165
B-04616 026 BGC 165
B-04616 027 BGC 166
B-04616 028 BGC 166
B-04616 029 BGC 166
B-04616 030 BGC 166
B-04616 031 BGC 167
B-04616 032 BGC 167
B-04616 033 BGC 167
B-04616 034 BGC 167
B-04616 035 BGC 168
B-04616 036 BGC 168
B-04616 037 BGC 168
B-04616 038 BGC 168
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B-04616 040 BGC 169
B-04616 041 BGC 169
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B-04616 043 BGC 170
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B-04616 047 BGC 171
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B-04616 050 BGC 171
B-04616 051 BGC 172
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B-04616 058 BGC 173
B-04616 059 BGC 174
B-04616 060 BGC 174
B-04616 061 BGC 174
B-04616 062 BGC 174
B-04616 063 BGC 175
B-04616 064 BGC 175
B-04616 065 BGC 175
B-04616 066 BGC 175
B-04616 067 BGC 176
B-04616 068 BGC 176
B-04616 069 BGC 176
B-04616 070 BGC 176
B-04616 071 BGC 177
B-04616 072 BGC 177
B-04616 073 BGC 177
B-04616 074 BGC 177
B-04616 075 BGC 178
B-04616 076 BGC 178
B-04616 077 BGC 178
B-04616 078 BGC 178
B-04616 079 BGC 179
B-04616 080 BGC 179

BGCPA CABBAGE, MUSTARD FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 106 BGC 103
B-01643 129 BGC 103
B-01643 130 BGC 103
B-01643 131 BGC 103
B-03995 179 BGC 104

BGCPB MUSTARD, MUSTARD FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS
B-00829 105 BGC 104

BGCQA POTATOES, NIGHTSHADE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01948 001	BGC	179
B-01948 013	BGC	179
B-01948 014	BGC	180
B-01948 015	BGC	180
B-03995 180	BGC	104

BGCQB TOMATOES, NIGHTSHADE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01643 138	BGC	104
B-01643 139	BGC	105
B-01643 140	BGC	105
B-03995 196	BGC	105

BGCR PEA (PULSE) FAMILY (CF. LIGNEOUS), VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01049 006	BGC	105
B-02418 332	BGC	106
B-02418 333	BGC	106

BGCRA ALFALFA, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-01337 028	BGC	106
B-01337 029	BGC	106
B-01337 030	BGC	106
B-01643 091	BGC	107
B-01643 092	BGC	107
B-01643 093	BGC	107
B-01643 094	BGC	107
B-01643 [illegible] 5	BGC	108
B-01643 096	BGC	108
B-02418 306	BGC	108
B-02418 307	BGC	108
B-02418 308	BGC	108
B-02418 309	BGC	108
B-02418 310	BGC	109
B-02418 311	BGC	109
B-02418 312	BGC	109
B-02418 313	BGC	109
B-02418 314	BGC	109
B-02418 315	BGC	109
B-02418 316	BGC	109
B-02418 317	BGC	109
B-02418 318	BGC	110
B-02418 319	BGC	110
B-02418 320	BGC	110
B-02418 321	BGC	110
B-02418 322	BGC	110
B-02418 323	BGC	110
B-02418 324	BGC	110
B-02418 325	BGC	110
B-02418 326	BGC	111
B-02418 327	BGC	111
B-03258 005	BGC	111

BGCRB CLOVER, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-02418 328	BGC	111
B-02418 329	BGC	111
B-02418 330	BGC	111
B-02418 331	BGC	111
B-03995 082	BGC	68
B-03995 083	BGC	68
B-03995 084	BGC	69
B-03995 085	BGC	69
B-03995 086	BGC	69
B-03995 087	BGC	69
B-03995 088	BGC	70
B-03995 181	BGC	112
B-03995 182	BGC	112
B-03995 183	BGC	112

BGCRC COFFEE PLANT, PEA (PULSE) FAMILY, HERBACEOUS, VEGETATION, BACKGROUNDS

B-00829 037	BGC	112

BGCRD LENTIL, PEA (PULSE) FAMILY, HERBACEOUS VASCULAR, VEGETATION, BACKGROUNDS

B-03995 194	BGC	113
B-03995 220	BGC	113

BGCRE LIMA BEAN, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-01643 135	BGC	113
B-01643 136	BGC	113
B-01643 137	BGC	114

BGCRF PEA, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-03995 177	BGC	114

BGCRG PEANUT, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-01643 024	BGC	114
B-01643 025	BGC	114
B-01643 026	BGC	115
B-01643 027	BGC	115
B-01643 028	BGC	115
B-01643 029	BGC	115
B-01643 030	BGC	116
B-01643 031	BGC	116
B-01643 032	BGC	116

BGCRH SOYBEAN, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-01643 013	BGC	116
B-01643 014	BGC	117
B-01643 015	BGC	117
B-01643 016	BGC	117
B-01643 017	BGC	117
B-01643 018	BGC	118
B-01643 019	BGC	118
B-01643 020	BGC	118
B-01643 021	BGC	118
B-01643 022	BGC	119
B-01643 023	BGC	119
B-01643 048	BGC	119
B-01643 049	BGC	119
B-01643 050	BGC	120
B-01643 051	BGC	120
B-01643 052	BGC	120
B-01643 053	BGC	120
B-01643 054	BGC	121
B-01643 055	BGC	121
B-01643 056	BGC	121
B-01643 057	BGC	121
B-01643 058	BGC	122
B-01643 059	BGC	122
B-01643 060	BGC	122
B-01643 061	BGC	122
B-01643 062	BGC	123
B-01643 063	BGC	123
B-01643 064	BGC	123
B-01643 065	BGC	123
B-01643 066	BGC	124
B-01643 067	BGC	124
B-01643 068	BGC	124
B-01643 069	BGC	124
B-01643 070	BGC	125
B-01643 071	BGC	125
B-01643 072	BGC	125
B-01643 073	BGC	125
B-01643 074	BGC	126
B-01643 075	BGC	126
B-01643 076	BGC	126
B-01643 077	BGC	126
B-01643 097	BGC	127
B-01643 098	BGC	127
B-01643 099	BGC	127
B-01643 100	BGC	127
B-01643 101	BGC	128
B-01643 102	BGC	128
B-01643 103	BGC	128
B-01643 104	BGC	128
B-01643 105	BGC	129
B-01643 106	BGC	129
B-01643 107	BGC	129
B-01643 108	BGC	129
B-02418 199	BGC	130
B-02418 200	BGC	130
B-02418 201	BGC	130
B-02418 202	BGC	130

B-02418	203	BGC	130
B-02418	204	BGC	130
B-02418	205	BGC	130
B-02418	206	BGC	130
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B-02418	208	BGC	130
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B-02418	211	BGC	131
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B-02418	252	BGC	135
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B-02418	254	BGC	136
B-02418	255	BGC	136
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B-02418	299	BGC	140
B-02418	300	BGC	140
B-02418	301	BGC	140
B-02418	302	BGC	141
B-02418	303	BGC	141
B-02418	304	BGC	141
B-02418	305	BGC	141

BGCRI STRING BEAN, PEA (PULSE) FAMILY, HERBACEOUS, VASCULAR, VEGETATION, BACKGROUNDS

B-00829	109	BGC	141
B-01643	141	BGC	141
B-01643	142	BGC	142
B-01643	143	BGC	142

BGCSA PLANTAIN, PLANTAIN FAMILY, VASCULAR, HERBACEOUS, VASCULAR, BACKGROUNDS

B-00829	101	BGC	142
B-03995	147	BGC	142

BGCT SEDGE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01176	007	BGC	143

BGCTA COTTON GRASS, SEDGE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-01337	004	BGC	143

BGCTB SEDGE, SEDGE FAMILY, VASCULAR, HERBACEOUS, VEGETATION, BACKGROUNDS

B-03995	092	BGC	143
B-03995	144	BH	2
B-03995	145	BGC	143
B-03995	151	BH	3

BGD LIGNEOUS, VEGETATION, BACKGROUNDS

B-01370	002	BGD	2
B-01370	010	BGD	2
B-01370	011	BGD	2
B-01370	012	BGD	2
B-01370	014	BH	4
B-01370	017	BGD	2
B-01761	013	BGD	303
B-01761	014	BGD	303
B-01761	027	BGD	303
B-01761	058	BGD	303
B-01761	059	BGD	304
B-01948	006	BGD	304
B-01948	007	BGD	304
B-20000	021	BGD	304
B-20000	022	BGD	305
B-20000	023	BGD	305
B-20000	024	BGD	305
B-20000	025	BGD	305
B-20000	026	BGD	306
B-20000	027	BGD	306
B-20000	050	BGD	306
B-20000	051	BGD	306
B-20000	052	BGD	307
B-20000	053	BGD	307
B-20000	054	BGD	307
B-20000	055	BGD	307
B-20000	056	BGD	307
B-20000	057	BGD	308
B-20000	058	BGD	308
B-20000	059	BGD	308
B-20000	060	BGD	309
B-20000	061	BGD	309

B-20000 062 BGD 309
B-20000 063 BGD 309
B-20000 064 BGD 310
B-20000 065 BGD 310
B-20000 066 BGD 310
B-20000 067 BGD 310
B-20000 068 BGD 311
B-20000 069 BGD 311
B-20000 070 BGD 311
B-20000 071 BGD 311
B-20000 072 BGD 312
B-20000 073 BGD 312
B-20000 074 BGD 312
B-20000 087 BGD 312
B-20000 257 BGD 313
B-20000 258 BGD 313
B-20000 259 BGD 313
B-20000 260 BGD 313
B-20000 261 BGD 314
B-20000 262 BGD 314
B-20000 263 BGD 314
B-20000 264 BGD 314

BGDA ARECACEAE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-20000 002 BGD 315
B-20000 003 BGD 315
B-20000 014 BGD 315
B-20000 117 BGD 315
B-20000 342 BGD 316
B-20000 343 BGD 316
B-20000 351 BGD 316
B-20000 352 BGD 316
B-20000 353 BGD 317
B-20000 354 BGD 317
B-20000 355 BGD 317

BGDAA ARECA PALM, ARECACEAE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 034 BGD 2

BGDBA BEECH, BEECH FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 056 BGD 2
B-00829 057 BGD 2
B-00829 073 BGD 3
B-01367 001 BGD 3
B-01367 002 BGD 3
B-01368 002 BGD 3
B-01368 003 BGD 4
B-01368 004 BGD 4
B-01368 005 BGD 4
B-01368 014 BGD 4
B-01368 034 BGD 5
B-01368 035 BGD 5
B-01368 036 BGD 5
B-01368 037 BGD 5
B-01368 057 BGD 6
B-03355 020 BGD 6
B-03355 027 BGD 6
B-03355 035 BGD 6
B-20000 112 BGD 317
B-20000 113 BGD 318
B-20000 118 BGD 318
B-20000 119 BGD 318
B-20000 120 BGD 318
B-20000 121 BGD 319
B-20000 122 BGD 319
B-20000 123 BGD 319
B-20000 124 BGD 319
B-20000 125 BGD 320

BGDBB CHESTNUT, BEECH FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01761 021 BGD 320
B-01761 022 BGD 320

BGDBC OAK, BEECH FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 003 BGD 7
B-00829 022 BGD 7
B-00829 023 BGD 7
B-00829 044 BGD 7
B-00829 048 BGD 8
B-00829 049 BGD 8
B-00829 050 BGD 8
B-00829 051 BGD 8
B-00829 [illegible] BGD 9
B-00829 [illegible] BGD 9
B-00829 [illegible] BGD 9
B-00829 065 BGD 9
B-00829 066 BGD 10
B-00829 067 BGD 10
B-00829 069 BGD 10
B-00829 071 BGD 10
B-00829 077 ART 1
B-01049 011 BGD 11
B-01176 003 BGD 11
B-01337 014 BGD 11
B-01337 026 BGD 11
B-01339 002 LGD 12
B-01353 001 BGD 12
B-01353 002 BGD 12
B-01353 003 BGD 12
B-01353 004 BGD 13
B-01353 005 BGD 13
B-01353 006 BGD 13
B-01353 007 BGD 13
B-01353 008 BGD 14
B-01353 009 BGD 14
B-01353 010 BGD 14
B-01353 011 BGD 14
B-01353 012 BGD 15
B-01353 013 BGD 15
B-01353 014 BGD 15
B-01353 015 BGD 15
B-01353 016 BGD 16
B-01353 017 BGD 16
B-01353 018 BGD 16
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B-01353 023 BGD 17
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B-01353 027 BGD 18
B-01367 007 BGD 19
B-01367 008 BGD 19
B-01368 008 BGD 19
B-01368 009 BGD 19
B-01368 010 BGD 20
B-01368 011 BGD 20
B-01368 019 BGD 20
B-01368 020 BGD 20
B-01368 021 BGD 21
B-01368 022 BGD 21
B-01368 023 BGD 21
B-01818 013 BGD 21
B-01818 026 BGD 22
B-03333 003 BGD 320
B-03333 004 BGD 321
B-03333 005 BGD 321
B-03333 006 BGD 321
B-03333 007 BGD 321
B-03333 008 BGD 322
B-03333 009 BGD 322
B-03333 010 BGD 322
B-03333 011 BGD 322
B-03355 010 BGD 22
B-03355 013 BGD 22
B-03355 021 BGD 22
B-03355 032 BGD 23
B-03374 617 BGD 23
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B-03374 619 BGD 23
B-03374 620 BGD 24
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B-03374 632 BGD 27
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B-03374 639 BGD 28
B-03374 640 BGD 29
B-03995 014 BGD 29
B-03995 015 BGD 29
B-03995 016 BGD 29
B-20000 126 BGD 323
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B-20000 174 BGD 328
B-20000 214 BGD 329
B-20000 265 BGD 329
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B-20000 271 BGD 330
B-20000 272 BGD 331
B-20000 282 BGD 331
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B-20000 285 BGD 332
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B-20000 292 BGD 333
B-20000 293 BGD 334
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B-20000 295 BGD 334
B-20000 296 BGD 334
B-20000 297 BGD 335
B-20000 298 BGD 335
B-20000 299 BGD 335
B-20000 300 BGD 335
B-20000 301 BGD 336
B-20000 302 BGD 336

BGDCA CATALPA, BIGNONIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 148 BGD 30
B-00829 149 BGD 30
B-00829 150 BGD 30
B-00829 151 BGD 30
B-00829 157 BGD 31
B-00829 158 BGD 31
B-00829 159 BGD 31
B-00829 160 BGD 31
B-00829 161 BGD 32
B-00829 162 BGD 32
B-01761 019 BGD 336
B-01761 020 BGD 336

BGDDA MERATIA PRAECOX, CALYCANTHACEAE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 053 BGD 32
B-00829 100 BGD 33

BGDEA RABBIT BRUSH, CARDUACEA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-01337 027 BGD 33

BGDFA CHINESE PISTACHIO, CASHEW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 033 BGD 33

BGDFB SUMACH, CASHEW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 027 BGD 27
B-00829 058 BGD 34

BGDG COMPOSITE FAMILY (CF. HERBACEOUS), LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 091 BGD 34
B-01337 016 BGD 34

BGDGA SAGEBRUSH, COMPOSITE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-01069 013 BGD 34
B-01337 012 BGD 35
B-01337 015 BGD 35

BGDGB WORMWOOD, COMPOSITE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-03995 148 BGD 35
B-03995 149 BGD 35
B-03995 150 BGD 36

BGDHA DOGWOOD, DOGWOOD FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 041 BGD 36
B-00829 110 BGD 36
B-00829 111 BGD 36
B-00829 112 BGD 37
B-00829 113 BGD 37
B-00829 114 BGD 37
B-00829 115 BGD 37
B-00829 116 BGD 38
B-00829 117 BGD 38
B-00829 118 BGD 38
B-00829 119 BGD 38
B-00829 120 BGD 39
B-00829 121 BGD 39
B-00829 122 BGD 39
B-00829 123 BGD 39
B-00829 124 BGD 40
B-00829 125 BGD 40
B-00829 126 BGD 40
B-00829 127 BGD 40
B-00829 152 BGD 41
B-00829 153 BGD 41
B-00829 154 BGD 41
B-00829 155 BGD 41
B-00829 156 BGD 42
B-01176 002 BGD 42
B-01367 003 BGD 42
B-01367 004 BGD 42
B-01368 006 BGD 43
B-01368 007 BGD 43
B-01368 015 BGD 43
B-01368 016 BGD 43

BGDIA IRONWOOD (CF. HAZEL FAMILY), EBONY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-01368 040 BGD 44
B-01368 041 BGD 44

BGDIB PERSIMMON, EBONY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-00829 042 BGD 44
- B-00829 043 BGD 44

BGDJA ELM, ELM FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-00829 055 BGD 45
- B-01368 038 BGD 45
- B-01368 039 BGD 45
- B-01368 061 BGD 45
- B-01761 001 BGD 337
- B-01761 002 BGD 337
- B-01761 003 BGD 337
- B-01761 004 BGD 337
- B-03995 012 BGD 46
- B-03995 013 BGD 46
- B-20000 303 BGD 338
- B-20000 304 BGD 338
- B-20000 305 BGD 338
- B-20000 306 BGD 338
- B-20000 307 BGD 339
- B-20000 308 BGD 339
- B-20000 309 BGD 339
- B-20000 310 BGD 339
- B-20000 311 BGD 340
- B-20000 312 BGD 340
- B-20000 313 BGD 340
- B-20000 314 BGD 340

BGDK FIGWORT FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01761 048 BGD 341
- B-01761 049 BGD 341
- B-01761 050 BGD 341
- B-01761 051 BGD 341

BGDKA PAULOWINA, FIGWORT FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-00829 015 BGD 46

BGDLA ALDER, HAZEL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-03995 035 BGD 46

BGDLB BIRCH, HAZEL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01337 005 BGD 47
- B-01368 058 BGD 47
- B-01368 059 BGD 47
- B-01761 068 BGD 342
- B-01761 069 BGD 342
- B-03355 016 BGD 47
- B-03355 022 BGD 48
- B-03355 029 BGD 48
- B-03355 033 BGD 48
- B-03995 001 BGD 48
- B-03995 002 BGD 49
- B-03995 003 BGD 49
- B-03995 004 BGD 49
- B-03995 005 BGD 49
- B-03995 006 BGD 50
- B-03995 008 BGD 50
- B-03995 009 BGD 50
- B-03995 010 BGD 51
- B-03995 011 BGD 51

BGDLC HAZELNUT, HAZEL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01368 024 BGD 51
- B-01368 025 BGD 51
- B-01368 026 BGD 52
- B-01368 027 BGD 52
- B-01368 028 BGD 52
- B-01368 029 BGD 52

BGDLD HORNBEAM, HAZEL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01368 062 BGD 53

BGDM [illegible] VEGETATION, BACKGROUNDS
- B-01049 009 BGD 53
- B-04803 026 BGD 342
- B-04803 027 BGD 342
- B-04803 028 BGD 343
- B-04803 029 BGD 343
- B-04803 030 BGD 343
- B-04803 031 BGD 343

BGDNA MOUNTAIN LAUREL, HEATH FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01367 005 BGD 53
- B-01367 006 BGD 53
- B-01818 008 BGD 54

BGDNA HOLLY, HOLLY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-00829 016 BGD 54
- B-01818 010 BGD 54
- B-01818 011 BGD 54

BGDO HONEYSUCKLE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01049 003 BGD 55
- B-01049 004 BGD 55

BGDPA LAUREL, LAUREL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01176 041 ABM 15
- B-01176 042 BGD 55

BGDPB SASSAFRASS, LAUREL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-00829 005 BGD 55
- B-01761 023 BGD 344
- B-01761 024 BGD 344

BGDQA YUCCA, LILY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01337 011 BGD 56

BGDRA BASSWOOD, LINDEN FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
- B-01368 056 BGD 56
- B-01761 037 BGD 344
- B-01761 038 BGD 344
- B-01761 039 BGD 345
- B-03374 257 BGD 56
- B-03374 258 BGD 56
- B-03374 259 BGD 57
- B-03374 260 BGD 57
- B-03374 261 BGD 57
- B-03374 262 BGD 57
- B-03374 263 BGD 58
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- B-03374 271 BGD 60
- B-03374 272 BGD 60
- B-03374 273 BGD 60
- B-03374 274 BGD 60
- B-03374 275 BGD 61
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- B-03374 286 BGD 63
- B-03374 287 BGD 64
- B-03374 288 BGD 64
- B-03374 289 BGD 64

B-03374 290	BGD	64	
B-03374 291	BGD	65	
B-03374 292	BGD	65	
B-03374 293	BGD	65	
B-03374 294	BGD	65	
B-03374 295	BGD	66	
B-03374 296	BGD	66	
B-03374 297	BGD	66	
B-03374 298	BGD	66	
B-03374 299	BGD	67	
B-03374 300	BGD	67	
B-03374 301	BGD	67	
B-03374 302	BGD	67	
B-03374 303	BGD	68	
B-03374 304	BGD	68	
B-03374 305	BGD	68	
B-03374 306	BGD	68	

BGDRB LINDEN, LINDEN FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-03995 028	BGD	69	
B-03995 029	BGD	69	
B-03995 030	BGD	69	

BGDSA PRIVET (LIGUSTRUM), LOGANIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 019	BGD	69	
B-00829 059	BGD	70	

BGDT MAGNOLIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01761 015	BGD	345	
B-01761 016	BGD	345	

BGDTA MAGNOLIA, MAGNOLIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 012	BGD	70	
B-00829 013	BGD	70	

BGDTB TULIP, MAGNOLIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 040	BGD	70	
B-00829 076	BGD	71	
B-03355 011	BGD	71	

BGDTC TULIP POPLAR, MAGNOLIA FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 092	BGD	71	
B-00829 093	BGD	71	
B-01368 012	BGD	72	
B-01368 013	BGD	72	

BGDUA MAPLE, MAPLE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 004	BGD	72	
B-00829 007	BGD	72	
B-00829 008	BGD	73	
B-00829 009	BGD	73	
B-00829 010	BGD	73	
B-00829 011	BGD	73	
B-00829 045	BGD	74	
B-00829 060	BGD	74	
B-00829 061	BGD	74	
B-00829 064	BGD	74	
B-00829 068	BGD	75	
B-00829 070	BGD	75	
B-00829 094	BGD	75	
B-00829 095	BGD	75	
B-00829 096	BGD	76	
B-00829 138	BGD	76	
B-00829 139	BGD	76	
B-00829 140	BGD	76	
B-00829 141	BGD	77	
B-00829 142	BGD	77	
B-00829 143	BGD	77	
B-00[illegible] 144	BGD	77	
B-00829 145	BGD	78	
B-00829 146	BGD	78	
B-00829 147	BGD	78	
B-01368 044	BGD	78	
B-01368 045	BGD	79	
B-01368 046	BGD	79	
B-01368 047	BGD	79	
B-01368 063	BGD	79	
B-01368 064	BGD	80	
B-01368 065	BGD	80	
B-01368 066	BGD	80	
B-01370 001	BGD	80	
B-01761 005	BGD	345	
B-01761 006	BGD	346	
B-01761 007	BGD	346	
B-01761 008	BGD	346	
B-01761 063	BGD	346	
B-01761 064	BGD	347	
B-01818 012	BGD	81	
B-03333 016	BGD	347	
B-03374 101	BGD	81	
B-03374 102	BGD	81	
B-03374 103	BGD	81	
B-03374 104	BGD	82	
B-03374 105	BGD	82	
B-03374 106	BGD	82	
B-03374 107	BGD	82	
B-03374 108	BGD	83	
B-03374 109	BGD	83	
B-03374 110	BGD	83	
B-03374 111	BGD	83	
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B-03374 116	BGD	85	
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B-03374 120	BGD	86	
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B-03374 148	BGD	93	
B-03374 149	BGD	93	
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B-03374 152	BGD	94	
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B-03374 522	BGD	95	
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B-03374 526	BGD	96	
B-03374 527	BGD	96	
B-03374 528	BGD	96	
B-03374 529	BGD	96	
B-03374 530	BGD	97	
B-03374 531	BGD	97	
B-03374 532	BGD	98	

B-03374 533	BGD	98
B-03374 534	BGD	98
B-03374 535	BGD	98
B-03374 536	BGD	99
B-03374 537	BGD	99
B-03374 538	BGD	99
B-03374 539	BGD	99
B-03374 540	BGD	100
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B-03374 544	BGD	101
B-03374 545	BGD	101
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B-03374 547	BGD	101
B-03374 548	BGD	102
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B-03374 552	BGD	103
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B-03374 557	BGD	104
B-03374 558	BGD	104
B-03374 559	BGD	104
B-03374 560	BGD	105
B-03374 561	BGD	105
B-03374 562	BGD	105
B-03374 563	BGD	105
B-03374 564	BGD	106
B-03374 565	BGD	106
B-03374 566	BGD	106
B-20000 193	BGD	347
B-20000 194	BGD	347
B-20000 195	BGD	348
B-20000 196	BGD	348
B-20000 197	BGD	348
B-20000 198	BGD	348
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B-20000 202	BGD	349
B-20000 203	BGD	350
B-20000 204	BGD	350
B-20000 205	BGD	350
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B-20000 207	BGD	351
B-20000 208	BGD	351
B-20000 209	BGD	351
B-20000 210	BGD	351
B-20000 211	BGD	352
B-20000 212	BGD	352
B-20000 218	BGD	352
B-20000 356	BGD	352
B-20000 357	BGD	353

BGDV MULBERRY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01761 054	BGD	353
B-01761 055	BGD	353

BGDVA RUBBER, MULBERRY FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01176 001	BGD	106
B-01761 042	BGD	353
B-01761 043	BGD	354
B-01761 044	BGD	354
B-01761 045	BGD	354
B-01948 008	BGD	354
B-01948 009	BGD	355
B-20000 215	BGD	355
B-20000 216	BGD	355
B-20000 217	BGD	355
B-20000 232	BGD	356
B-20000 233	BGD	356

BGDW OLIVE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01049 004	BGD	107
B-01761 009	BGD	356
B-01761 010	BGD	356
B-01761 011	BGD	357
B-01761 012	BGD	357
B-01761 060	BGD	357
B-01761 061	BGD	357

BGDWA ASH, OLIVE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 128	BGD	107
B-00829 129	BGD	107
B-00829 130	BGD	107
B-00829 131	BGD	108
B-00829 132	BGD	108
B-00829 133	BGD	108
B-00829 134	BGD	108
B-00829 135	BGD	109
B-00829 136	BGD	109
B-00829 137	BGD	109
B-00829 163	BGD	109
B-00829 164	BGD	110
B-00829 165	BGD	110
B-00829 166	BGD	110
B-00829 167	BGD	110
B-00829 168	BGD	111
B-03374 307	BGD	111
B-03374 308	BGD	111
B-03374 309	BGD	111
B-03374 310	BGD	112
B-03374 311	BGD	112
B-03374 312	BGD	112
B-03374 313	BGD	112
B-03374 314	BGD	113
B-03374 315	BGD	113
B-03374 316	BGD	113
B-03374 317	BGD	113
B-03374 318	BGD	114
B-03374 319	BGD	114
B-03374 320	BGD	114
B-03374 321	BGD	114
B-03374 322	BGD	115
B-03374 323	BGD	115
B-03374 324	BGD	115
B-03374 325	BGD	115
B-03374 326	BGD	116
B-03374 327	BGD	116
B-03374 328	BGD	116
B-03374 329	BGD	116
B-03374 330	BGD	117
B-03374 331	BGD	117
B-03374 332	BGD	117
B-03374 333	BGD	117
B-03374 334	BGD	118
B-03374 335	BGD	118
B-03374 336	BGD	118
B-03374 337	BGD	118
B-03374 338	BGD	119
B-03374 339	BGD	119
B-03374 340	BGD	119
B-03374 341	BGD	119
B-03374 342	BGD	120
B-03374 343	BGD	120
B-03374 344	BGD	120
B-03374 345	BGD	120
B-03374 346	BGD	121
B-03374 347	BGD	121
B-03374 348	BGD	121

BGDX PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01337 019	BGD	121
B-01337 020	BGD	122
B-01337 021	BGD	122

BGDXA CEDAR, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 080	BGD	122
B-00829 087	BGD	122
B-00829 088	BGD	123
B-20000 171	BGD	358
B-20000 172	BGD	358
B-20000 175	BGD	358

BGDXB FIR, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01175	004	AEM	5
B-03995	017	BGD	123
B-03995	018	BGD	123
B-03995	019	BGD	123
B-03995	020	BGD	124
B-03995	021	BGD	124
B-03995	022	BGD	124
B-03995	023	BGD	124
B-03995	024	BGD	125
B-03995	025	BGD	125

BGDXC JUNIPER, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00823	086	BGD	125
B-01337	017	BGD	125
B-01337	018	BGD	126
B-03995	034	BGD	126
B-20000	178	BGD	358
B-20000	179	BGD	359
B-20000	213	BGD	359

BGDXD LARCH, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-03995	031	BGD	126
B-03995	032	BGD	126
B-03995	033	BGD	127

BGDXE PINE, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	074	BGD	127
B-00829	075	BGD	127
B-00829	081	BGD	127
B-00829	098	BGD	128
B-01175	003	BGD	128
B-01176	006	BGD	128
B-01339	C01	BGD	128
B-01818	014	BGD	129
B-01818	027	BGD	129
B-03070	003	BGD	359
B-03333	012	BGD	359
B-03333	013	BGD	360
B-03333	014	BGD	360
B-03333	019	BGD	360
B-03333	020	BGD	360
B-03355	019	BGD	129
B-03355	025	BGD	129
B-03355	031	BGD	130
B-03355	037	BGD	130
B-03374	001	BGD	130
B-03374	002	BGD	130
B-03374	003	BGD	131
B-03374	C04	BGD	131
B-03374	005	BGD	131
B-03374	006	BGD	131
B-03374	007	BGD	132
B-03374	008	BGD	132
B-03374	009	BGD	132
B-03374	010	BGD	132
B-03374	011	BGD	133
B-03374	012	BGD	133
B-03374	013	BGD	133
B-03374	014	BGD	133
B-03374	015	BGD	134
B-03374	016	BGD	134
B-03374	017	BGD	134
B-03374	018	BGD	134
B-03374	019	BGD	135
B-03374	020	BGD	135
B-03374	021	BGD	135
B-03374	022	BGD	135
B-03374	023	BGD	136
B-03374	024	BGD	136
B-03374	025	BGD	136
B-03374	026	BGD	136
B-03374	027	BGD	137
B-03374	028	BGD	137
B-03374	029	BGD	137
B-03374	030	BGD	137
B-03374	031	BGD	138
B-03374	032	BGD	138
B-03374	033	BGD	138
B-03374	034	BGD	138
B-03374	035	BGD	139
B-03374	036	BGD	139
B-03374	037	BGD	139
B-03374	038	BGD	139
B-03374	039	BGD	140
B-03374	040	BGD	140
B-03374	041	BGD	140
B-03374	042	BGD	140
B-03374	043	BGD	141
B-03374	044	BGD	141
B-03374	045	BGD	141
B-03374	046	BGD	141
B-03374	047	BGD	142
B-03374	048	BGD	142
B-03374	049	BGD	142
B-03374	050	BGD	142
B-03374	051	BGD	143
B-03374	052	BGD	143
B-03374	397	BGD	143
B-03374	398	BGD	143
B-03374	399	BGD	144
B-03374	400	BGD	144
B-03374	401	BGD	144
B-03374	402	BGD	144
B-03374	403	BGD	145
B-03374	404	BGD	145
B-03374	405	BGD	145
B-03374	406	BGD	145
B-03374	407	BGD	146
B-03374	408	BGD	146
B-03374	409	BGD	146
B-03374	410	BGD	146
B-03374	411	BGD	147
B-03374	412	BGD	147
B-03374	413	BGD	147
B-03374	414	BGD	147
B-03374	415	BGD	148
B-03374	416	BGD	148
B-03374	417	BGD	148
B-03374	418	BGD	148
B-03374	419	BGD	149
B-03374	420	BGD	149
B-03374	421	BGD	149
B-03374	422	BGD	149
B-03374	423	BGD	150
B-03374	424	BGD	150
B-03374	425	BGD	150
B-03374	426	BGD	150
B-03374	427	BGD	151
B-03374	428	BGD	151
B-03374	429	BGD	151
B-03374	430	BGD	151
B-03374	431	BGD	152
B-03374	432	BGD	152
B-03374	433	BGD	152
B-03374	434	BGD	152
B-03374	435	BGD	153
B-03374	436	BGD	153
B-03374	437	BGD	153
B-03374	438	BGD	153
B-03374	439	BGD	154
B-03374	440	BGD	154
B-03374	441	BGD	154
B-03374	442	BGD	154
B-03374	443	BGD	155
B-03374	444	BGD	155
B-03374	445	BGD	155
B-03374	446	BGD	155
B-03374	447	BGD	156
B-03374	448	BGD	156
B-03374	449	BGD	156
B-03374	450	BGD	156
B-03374	451	BGD	157
B-03374	452	BGD	157
B-03374	453	BGD	157
B-03374	454	BGD	157
B-03374	455	BGD	158
B-03374	456	BGD	158
B-03374	457	BGD	158
B-03374	458	BGD	158

B-03374 459 BGD 159
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B-03374 474 BGD 162
B-03559 001 BGD 163
B-03559 002 BGD 163
B-03559 003 BGD 163
B-03559 004 BGD 163
B-03559 005 BGD 164
B-03559 006 BGD 164
B-03559 007 BGD 164
B-03559 008 BGD 164
B-03559 009 BGD 165
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B-03559 120 BGD 192
B-03559 121 BGD 193
B-03559 122 BGD 193
B-03559 123 BGD 193
B-03559 124 BGD 193
B-03559 125 BGD 194
B-03995 045 BGD 194
B-03995 046 BGD 194
B-03995 047 BGD 194
B-03995 048 BGD 195
B-03995 049 BGD 195

BGDXF SPRUCE, PINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01818 028 BGD 195
B-03333 015 BGD 361
B-03355 018 BGD 195
B-03355 024 BGD 196
B-03355 030 BGD 196
B-03355 036 BGD 196
B-20000 144 BGD 361

BGDYA SYCAMORE, PLANE-TREE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829 001 BGD 196
B-00829 002 BGD 197
B-00829 054 BGD 197
B-03355 015 BGD 197
B-03374 205 BGD 197

B-03374	206	BGD	198
B-03374	207	BGD	198
B-03374	208	BGD	198
B-03374	209	BGD	198
B-03374	210	BGD	199
B-03374	211	BGD	199
B-03374	212	BGD	199
B-03374	213	BGD	199
B-03374	214	BGD	200
B-03374	215	BGD	200
B-03374	216	BGD	200
B-03374	217	BGD	200
B-03374	218	BGD	201
B-03374	219	BGD	201
B-03374	220	BGD	201
B-03374	221	BGD	201
B-03374	222	BGD	202
B-03374	223	BGD	202
B-03374	224	BGD	202
B-03374	225	BGD	202
B-03374	226	BGD	203
B-03374	227	BGD	203
B-03374	228	BGD	203
B-03374	229	BGD	203
B-03374	230	BGD	204
B-03374	231	BGD	204
B-03374	232	BGD	204
B-03374	233	BGD	204
B-03374	234	BGD	205
B-03374	235	BGD	205
B-03374	236	BGD	205
B-03374	237	BGD	205
B-03374	238	BGD	206
B-03374	239	BGD	206
B-03374	240	BGD	206
B-03374	241	BGD	206
B-03374	242	BGD	207
B-03374	243	BGD	207
B-03374	244	BGD	207
B-03374	245	BGD	207
B-03374	246	BGD	208
B-03374	247	BGD	208
B-03374	248	BGD	208
B-03374	249	BGD	208
B-03374	250	BGD	209
B-03374	251	BGD	209
B-03374	252	BGD	209
B-03374	253	BGD	209
B-03374	254	BGD	210
B-03374	255	BGD	210
B-03374	256	BGD	210
B-03374	641	BGD	210
B-03374	642	BGD	211
B-03374	643	BGD	211
B-03374	644	BGD	211
B-03374	645	BGD	211
B-03374	646	BGD	212
B-03374	647	BGD	212
B-03374	648	BGD	212
B-03374	649	BGD	212
B-03374	650	BGD	213
B-03374	651	BGD	213
B-03374	652	BGD	213
B-03374	653	BGD	213
B-03374	654	BGD	214
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B-03374	657	BGD	214
B-03374	658	BGD	215
B-03374	659	BGD	215
B-03374	660	BGD	215
B-03374	661	BGD	215
B-03374	662	BGD	216
B-03374	663	BGD	216
B-03374	664	BGD	216
B-03374	665	BGD	216
B-03374	666	BGD	217
B-03374	667	BGD	217
B-03374	668	BGD	217
B-03374	669	BGD	217
B-03374	670	BGD	218
B-03374	671	BGD	218
B-03374	672	BGD	218
B-03374	673	BGD	218
B-03374	674	BGD	219
B-03374	675	BGD	219
B-03374	676	BGD	219
B-03374	677	BGD	219
B-03374	678	BGD	220
B-03374	679	BGD	220
B-03374	680	BGD	220
B-03374	681	BGD	220
B-03374	682	BGD	221
B-03374	683	BGD	221
B-03374	684	BGD	221
B-03374	685	BGD	221
B-03374	686	BGD	222
B-03374	687	BGD	222
B-03374	688	BGD	222
B-03374	689	BGD	222
B-03374	690	BGD	223
B-04803	001	BGD	361
B-04803	002	BGD	361
B-04803	003	BGD	362
B-04803	004	BGD	362
B-04803	005	BGD	362
B-04803	006	BGD	362
B-04803	007	BGD	363
B-04803	008	BGD	363
B-04803	009	BGD	363
B-04803	010	BGD	363
B-04803	011	BGD	364
B-04803	012	BGD	364
B-04803	013	BGD	364
B-04803	014	BGD	364
B-04803	015	BGD	365
B-04803	016	BGD	365
B-20000	140	BGD	365
B-20000	141	BGD	365
B-20000	142	BGD	366
B-20000	143	BGD	366
B-20000	181	BGD	366
B-20000	182	BGD	366
B-20000	183	BGD	367
B-20000	184	BGD	367
B-20000	315	BGD	367
B-20000	316	BGD	367
B-20000	317	BGD	368
B-20000	318	BGD	368
B-20000	319	BGD	368
B-20000	320	BGD	368
B-20000	321	BGD	369
B-20000	322	BGD	369
B-20000	323	BGD	369
B-20000	324	BGD	369
B-20000	325	BGD	370
B-20000	326	BGD	370
B-20000	327	BGD	370
B-20000	328	BGD	370
B-20000	329	BGD	371
B-20000	330	BGD	371
B-20000	331	BGD	371
B-20000	332	BGD	371
B-20000	333	BGD	372
B-20000	334	BGD	372
B-20000	335	BGD	372
B-20000	336	BGD	372

BGDZ PEA (PULSE) FAMILY (CF. HERBACEOUS), LIGNEOUS, VEGETATION, BACKGROUNDS

B-01337	013	BGD	223
B-01761	025	BGD	373
B-01761	026	BGD	373
B-01761	046	BGD	373
B-01761	047	BGD	373

BGDZA LOCUST, PEA (PULSE) FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	014	BGD	223
B-00829	018	BGD	223
B-00829	046	BGD	224
B-00829	047	BGD	224
B-03355	014	BGD	224

BGEA ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	017	BGD	224
B-01176	005	BGD	225
B-01761	017	BGD	374
B-01761	018	BGD	374
B-01761	062	BGD	374
B-02418	370	BGD	225
B-02418	371	BGD	225
B-02418	372	BGD	225
B-02418	373	BGD	225
B-02418	387	BGD	225
B-02418	388	BGD	225
B-02418	389	BGD	225
B-02418	396	BGD	226
B-02418	397	BGD	226
B-02418	398	BGD	226
B-03333	018	BGD	374

BGEAA BLACKBERRY, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	090	BGD	226

BGEAB CHERRY, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	021	BGD	226
B-02418	360	BGD	226
B-02418	361	BGD	226
B-02418	380	BGD	227
B-02418	382	BGD	227
B-02418	386	BGD	227
B-02418	390	BGD	227
B-02418	391	BGD	227
B-02418	392	BGD	227

BGEAC HAWTHORN, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	026	BGD	227

BGEAD JUNEBERRY, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01049	005	BGD	228
B-01368	042	BGD	228
B-01368	043	BGD	228

BGEAE PEACH, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	020	BGD	228
B-02418	362	BGD	229
B-02418	363	BGD	229
B-02418	364	BGD	229
B-02418	365	BGD	229
B-02418	383	BGD	229
B-02418	384	BGD	229
B-02418	385	BGD	229
B-02418	393	BGD	229
B-02418	394	BGD	229
B-02418	395	BGD	229

BGEAF PIN CHERRY, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01368	060	BGD	230

BGEAG PLUM, ROSE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01049	020	BGD	230
B-01368	030	BGD	230
B-01368	031	BGD	230
B-02418	368	BGD	231
B-02418	369	BGD	231
B-02418	399	BGD	231
B-02418	400	BGD	231
B-02418	401	BGD	231

BGEB SOUR GUM FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	006	BGD	231
B-00829	097	BGD	231

BGECA CALABASH, TRUMPET CREEPER FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	039	BGD	232

BGEDA VIRGINIA CREEPER, VINE FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	031	BGD	232
B-01761	065	BGD	375
B-01761	066	BGD	375

BGEE WALNUT FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	089	BGD	232

BGEEA HICKORY, WALNUT FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-00829	028	BGD	232
B-00829	030	BGD	233
B-00829	072	BGD	233
B-01368	017	BGD	233
B-01368	018	BGD	233
B-03355	012	BGD	234

BGEF WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01368	048	BGD	234
B-01368	049	BGD	234
B-01368	050	BGD	234
B-01368	051	BGD	235
B-01368	067	BGD	235
B-01761	040	BGD	375
B-01761	041	BGD	375
B-01761	067	BGD	235
B-03374	053	BGD	235
B-03374	054	BGD	235
B-03374	055	BGD	236
B-03374	056	BGD	236
B-03374	057	BGD	236
B-03374	058	BGD	236
B-03374	059	BGD	237
B-03374	060	BGD	237
B-03374	061	BGD	237
B-03374	062	BGD	237
B-03374	063	BGD	238
B-03374	064	BGD	238
B-03374	065	BGD	238
B-03374	066	BGD	238
B-03374	067	BGD	239
B-03374	068	BGD	239
B-03374	069	BGD	239
B-03374	070	BGD	239
B-03374	071	BGD	240
B-03374	072	BGD	240
B-03374	073	BGD	240
B-03374	074	BGD	240
B-03374	075	BGD	241
B-03374	076	BGD	241
B-03374	077	BGD	241
B-03374	078	BGD	241
B-03374	079	BGD	242
B-03374	080	BGD	242
B-03374	081	BGD	242
B-03374	082	BGD	242
B-03374	083	BGD	243
B-03374	084	BGD	243
B-03374	085	BGD	243
B-03374	086	BGD	243
B-03374	087	BGD	244
B-03374	088	BGD	244
B-03374	089	BGD	244
B-03374	090	BGD	244
B-03374	091	BGD	245
B-03374	092	BGD	245
B-03374	093	BGD	245
B-03374	094	BGD	245
B-03374	095	BGD	246
B-03374	096	BGD	246
B-03374	097	BGD	246
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B-03374	099	BGD	247
B-03374	100	BGD	247
B-03374	475	BGD	247
B-03374	476	BGD	247
B-03374	477	BGD	248
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B-03374	479	BGD	248

B-03374	480	BGD	248
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B-03374	492	BGD	251
B-03374	493	BGD	252
B-03374	494	BGD	252
B-03374	495	BGD	252
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B-03374	507	BGD	255
B-03374	508	BGD	255
B-03374	509	BGD	256
B-03374	510	BGD	256
B-03374	511	BGD	256
B-03374	512	BGD	256
B-03374	513	BGD	257
B-03374	514	BGD	257
B-03374	515	BGD	257
B-03374	51[illegible]	BGD	257
B-03374	517	BGD	258
B-03374	518	BGD	258

BGEFA ASPEN, WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01368	001	BGD	258
B-01368	032	BGD	258
B-01368	033	BGD	259
B-03355	017	BGD	259
B-03355	023	BGD	259
B-03355	028	BGD	259
B-03355	034	BGD	260
B-03995	036	BGD	260
B-03995	037	BGD	260
B-03995	038	BGD	260
B-03995	039	BGD	261
B-03995	040	BGD	261
B-03995	041	BGD	261
B-03995	042	BGD	261
B-20000	088	BGD	376
B-20000	089	BGD	376
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B-20000	091	BGD	377
B-20000	092	BGD	377
B-20000	093	BGD	377
B-20000	094	BGD	377
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B-20000	103	BGD	380
B-20000	104	BGD	380
B-20000	105	BGD	380
B-20000	106	BGD	380
B-20000	107	BGD	381
B-20000	108	BGD	381
B-20000	109	BGD	381
B-20000	110	BGD	381
B-20000	111	BGD	381

BGEFB POPLAR, WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS

B-01049	014	BGD	262
B-01337	010	BGD	262
B-01368	052	BGD	262
B-01368	053	BGD	262
B-01368	054	BGD	263
B-01368	055	BGD	263
B-01761	028	BGD	382
B-01761	056	BGD	382
B-01761	057	BGD	382
B-03070	001	BGD	383
B-03070	002	BGD	383
B-03374	153	BGD	263
B-03374	154	BGD	263
B-03374	155	BGD	264
B-03374	156	BGD	264
B-03374	157	BGD	264
B-03374	158	BGD	264
B-03374	159	BGD	265
B-03374	160	BGD	265
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B-03374	165	BGD	266
B-03374	166	BGD	266
B-03374	167	BGD	267
B-03374	168	BGD	267
B-03374	169	BGD	267
B-03374	170	BGD	267
B-03374	171	BGD	268
B-03374	172	BGD	268
B-03374	173	BGD	268
B-03374	174	BGD	268
B-03374	175	BGD	269
B-03374	176	BGD	269
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B-03374	178	BGD	269
B-03374	179	BGD	270
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B-03374	190	BGD	272
B-03374	191	BGD	273
B-03374	192	BGD	273
B-03374	193	BGD	273
B-03374	194	BGD	273
B-03374	195	BGD	274
B-03374	196	BGD	274
B-03374	197	BGD	274
B-03374	198	BGD	274
B-03374	199	BGD	275
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B-03374	201	BGD	275
B-03374	202	BGD	275
B-03374	203	BGD	276
B-03374	204	BGD	276
B-03374	567	BGD	276
B-03374	568	BGD	276
B-03374	569	BGD	277
B-03374	570	BGD	277
B-03374	571	BGD	277
B-03374	572	BGD	277
B-03374	573	BGD	278
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B-03374	577	BGD	279
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B-03374	579	BGD	279
B-03374	580	BGD	279
B-03374	581	BGD	280
B-03374	582	BGD	280
B-03374	583	BGD	280

B-03374 584 BGD 280
B-03374 585 BGD 281
B-03374 586 BGD 281
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B-03374 591 BGD 282
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B-03374 593 BGD 283
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B-03374 596 BGD 283
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B-03374 612 BGD 287
B-03374 613 BGD 288
B-03374 614 BGD 288
B-03374 615 BGD 288
B-03374 616 BGD 288

BGEFC WILLOW (CF. EVENING PRIMROSE FAM.,) WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-00829 029 BGD 289
B-01049 007 BGD 289
B-01049 015 BGD 289
B-01049 016 BGD 289
B-01818 009 BGD 290
B-03995 026 BGD 290

BGEFCA DWARF WILLOW, WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-01337 006 BGD 290

BGEFCB GROUND WILLOW, WILLOW FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-01337 007 BGD 290

BGEGA SWEETGUM, WITCH HAZEL FAMILY, LIGNEOUS, VEGETATION, BACKGROUNDS
B-03374 349 BGD 291
B-03374 350 BGD 291
B-03374 351 BGD 291
B-03374 352 BGD 291
B-03374 353 BGD 292
B-03374 354 BGD 292
B-03374 355 BGD 292
B-03374 356 BGD 292
B-03374 357 BGD 293
B-03374 358 BGD 293
B-03374 359 BGD 293
B-03374 360 BGD 293
B-03374 361 BGD 294
B-03374 362 BGD 294
B-03374 363 BGD 294
B-03374 364 BGD 294
B-03374 365 BGD 295
B-03374 366 BGD 295
B-03374 367 BGD 295
B-03374 368 BGD 295
B-03374 369 BGD 296
B-03374 370 BGD 296
B-03374 371 BGD 296
B-03374 372 BGD 296
B-03374 373 BGD 297
B-03374 374 BGD 297
B-03374 375 BGD 297
B-03374 376 BGD 297
B-03374 377 BGD 298
B-03374 378 BGD 298
B-03374 379 BGD 298
B-03374 380 BGD 298
B-03374 381 BGD 299
B-03374 382 BGD 299
B-03374 383 BGD 299
B-03374 384 BGD 299
B-03374 385 BGD 300
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B-03374 387 BGD 300
B-03374 388 BGD 300
B-03374 389 BGD 301
B-03374 390 BGD 301
B-03374 391 BGD 301
B-03374 392 BGD 301
B-03374 393 BGD 302
B-03374 394 BGD 302
B-03374 395 BGD 302
B-03374 396 BGD 302

BGF LEAF, VEGETATION, BACKGROUNDS
B-00829 036 BG 5
B-00829 105 BGC 103
B-01176 045 BG 6
B-01948 001 BGC 66
B-01948 002 BGC 66
B-01948 003 BGC 158
B-01948 004 BGC 158
B-01948 005 BGC 159
B-01948 006 BGD 304
B-01948 007 BGD 304
B-01948 009 BGD 355
B-01948 010 BGC 149
B-01948 015 BGC 180
B-02418 199 BGC 130
B-02418 200 BGC 130
B-02418 201 BGC 130
B-02418 202 BGC 130
B-02418 203 BGC 130
B-02418 204 BGC 130
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B-02418 212 BGC 131
B-02418 213 BGC 131
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B-02418 231 BGC 133
B-02418 232 BGC 133
B-02418 233 BGC 133
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B-02418 242 BGC 134
B-02418 243 BGC 134
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B-02418 245 BGC 134
B-02418 246 BGC 135

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	B-02418 249	BGC	135
	B-02418 250	BGC	135
	B-02418 251	BGC	135
	B-02418 252	BGC	135
	B-02418 253	BGC	135
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	B-02418 255	BGC	136
	B-02418 256	BGC	136
	B-02418 257	BGC	136
	B-02418 260	BGC	136
	B-02418 308	BGC	108
	B-02418 309	BGC	108
	B-02418 310	BGC	109
	B-02418 311	BGC	109
	B-02418 360	BGD	226
	B-02418 361	BGD	226
	B-02418 362	BGD	229
	B-02418 363	BGD	229
	B-02418 364	BGD	229
	B-02418 365	BGD	229
	B-02418 366	BG	7
	B-02418 367	BG	7
	B-02418 368	BGD	231
	B-02418 369	BGD	231
	B-02418 377	BG	7
	B-02418 378	BG	7
	B-02418 379	BG	7
	B-03333 016	BGD	347

BGFA NARROW LEAF, VEGETATION, BACKGROUNDS

	B-00829 014	BGD	223
	B-00829 018	BGD	223
	B-00829 022	BGD	7
	B-00829 027	BGD	33
	B-00829 029	BGD	289
	B-00829 052	BGD	9
	B-00829 058	BGD	34
	B-00829 080	BGD	122
	B-00829 081	BGD	127
	B-00829 086	BGD	125
	B-00829 107	BGC	35
	B-01049 013	BGD	34
	B-01049 017	BGC	4
	B-01049 019	BGC	5
	B-01176 006	BGD	128
	B-01352 001	BGC	66
	B-01352 002	BGC	66
	B-01352 003	BGC	66
	B-01352 004	BGC	150
	B-01352 005	BGC	150
	B-01352 006	BGC	150
	B-01352 007	BGC	150
	B-01352 008	BGC	151
	B-01352 009	BGC	151
	B-01352 010	BGC	151
	B-01352 011	BGC	151
	B-01352 012	BGC	152
	B-01352 015	BGC	152
	B-01352 018	BGC	153
	B-01352 025	BGC	155
	B-01352 028	BGC	156
	B-01368 017	BGD	233
	B-01368 018	BGD	233
	B-02418 001	BGC	39
	B-02418 002	BGC	39
	B-02418 003	BGC	39
	B-02418 004	BGC	39
	B-02418 005	BGC	39
	B-02418 006	BGC	39
	B-02418 007	BGC	39
	B-02418 008	BGC	39
	B-02418 009	BGC	39
	B-02418 010	BGC	40
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	B-02418 015	BGC	40
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	B-02418 022	BGC	41
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	B-02418 026	BGC	41
	B-02418 027	BGC	41
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	B-02418 030	BGC	42
	B-02418 031	BGC	42
	B-02418 032	BGC	42
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	B-02418 034	BGC	43
	B-02418 035	BGC	43
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	B-02418 045	BGC	44
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	B-02418 047	BGC	44
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	B-02418 050	BGC	44
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	B-02418 067	BGC	45
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	B-02418 070	BGC	46
	B-02418 071	BGC	46
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	B-02418 096	BGC	48
	B-02418 097	BGC	48
	B-02418 098	BGC	49
	B-02418 099	BGC	49

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B-02418	102	BGC	49
B-02418	103	BGC	49
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B-02418	353	BGC	14
B-02418	354	BGC	14
B-02418	355	BGC	14
B-03070	003	BGD	359
B-03333	012	BGD	359
B-03333	013	BGD	360
B-03333	014	BGD	360
B-03333	015	BGD	361
B-03333	019	BGD	360
B-03333	020	BGD	360
B-03355	014	BGD	224
B-03355	018	BGD	195
B-03355	019	BGD	129
B-03374	001	BGD	130
B-03374	002	BGD	130
B-03374	003	BGD	131
B-03374	004	BGD	131
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B-03374	409	BGD	146
B-03374	410	BGD	146
B-03374	411	BGD	147
B-03374	412	BGD	147
B-03374	413	BGD	147
B-03374	414	BGD	147
B-03374	415	BGD	148
B-03374	416	BGD	148
B-03374	417	BGD	148
B-03374	418	BGD	148
B-03374	419	BGD	149
B-03374	420	BGD	149
B-03374	421	BGD	149
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B-03374	423	BGD	150
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B-03374	426	BGD	150

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B-03374 431	BGD	152
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B-03374 467	BGD	161
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B-03374 470	BGD	161
B-03374 471	BGD	162
B-03374 472	BGD	162
B-03374 473	BGD	162
B-03374 474	BGD	162
B-03559 001	BGD	163
B-03559 002	BGD	163
B-03559 003	BGD	163
B-03559 004	BGD	163
B-03559 005	BGD	164
B-03559 006	BGD	164
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B-03559 021	BGD	168
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B-03559 025	BGD	169
B-03559 026	BGD	169
B-03559 027	BGD	169
B-03559 028	BGD	169
B-03559 029	BGD	170
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B-03559 113	BGD	191
B-03559 114	BGD	191
B-03559 115	BGD	191
B-03559 116	BGD	191

B-03559	117	BGD	192
B-03559	118	BGD	192
B-03559	119	BGD	192
B-03559	120	BGD	192
B-03559	121	BGD	193
B-03559	122	BGD	193
B-03559	123	BGD	193
B-03559	124	BGD	193
B-03559	125	BGD	194
B-03995	017	BGD	123
B-03995	021	BGD	123
B-03995	047	BGD	194
B-20000	144	BGD	361
B-20000	171	BGD	358
B-20000	172	BGD	358
B-20000	178	BGD	358
B-20000	179	BGD	359
B-20000	213	BGD	359

BGFB BROAD LEAF, VEGETATION, BACKGROUNDS

B-00829	001	BGD	196
B-00829	005	BGD	55
B-00829	006	BGD	271
B-00829	007	BGD	72
B-00829	008	BGD	73
B-00829	009	BGD	73
B-00829	010	BGD	73
B-00829	011	BGD	73
B-00829	046	BGD	224
B-00829	047	BGD	224
B-00829	050	BGD	8
B-00829	051	BGD	8
B-00829	059	BGD	70
B-00829	061	BGD	74
B-00829	062	BGD	9
B-00829	068	BGD	75
B-00829	069	BGD	10
B-00829	070	BGD	75
B-00829	071	BGD	10
B-00829	092	BGD	71
B-00829	093	BGD	71
B-00829	094	BGD	75
B-00829	104	BGC	1
B-00829	106	BGC	106
B-00829	108	BGC	1
B-00829	109	BGC	141
B-00829	110	BGD	36
B-00829	111	BGD	36
B-00829	112	BGD	37
B-00829	113	BGD	37
B-00829	114	BGD	37
B-00829	115	BGD	37
B-00829	116	BGD	38
B-00829	117	BGD	38
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B-00829	166	BGD	110
B-00829	167	BGD	110
B-00829	168	BGD	111
B-01176	002	BGD	42
B-01176	003	BGD	11
B-01176	041	AEH	15
B-01176	042	BGD	55
B-02418	306	BGC	108
B-02418	307	BGC	108
B-02418	312	BGC	109
B-02418	313	BGC	109
B-02418	314	BGC	109
B-02418	315	BGC	109
B-02418	316	BGC	109
B-02418	317	BGC	109
B-02418	318	BGC	110
B-02418	319	BGC	110
B-02418	320	BGC	110
B-02418	321	BGC	110
B-02418	322	BGC	110
B-02418	323	BGC	110
B-02418	324	BGC	110
B-02418	325	BGC	110
B-02418	326	BGC	111
B-02418	327	BGC	111
B-02418	370	BGD	225
B-03070	002	BGD	383
B-03333	018	BGD	374
B-03355	010	BGD	22
B-03355	011	BGD	71
B-03355	012	BGD	234
B-03355	013	BGD	22
B-03355	015	BGD	197
B-03355	016	BGD	47
B-03355	017	BGD	259
B-03995	002	BGD	49
B-03995	006	BGD	50
B-03995	014	BGD	29
B-03995	028	BGD	69
B-03995	036	BGD	260
B-04616	001	BGC	159
B-04616	002	BGC	159
B-04616	003	BGC	160
B-04616	004	BGC	160
B-04616	005	BGC	160
B-04616	006	BGC	160
B-04616	007	BGC	161
B-04616	008	BGC	161
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B-04616	010	BGC	161
B-04616	011	BGC	162
B-04616	012	BGC	162
B-04616	013	BGC	162
B-04616	014	BGC	162
B-04616	015	BGC	163
B-04616	016	BGC	163
B-04616	017	BGC	163
B-04616	018	BGC	163
B-04616	019	BGC	164
B-04616	020	BGC	164
B-04616	021	BGC	164
B-04616	022	BGC	164

B-04616 023	BGC	165
B-04616 024	BGC	165
B-04616 025	BGC	165
B-04616 026	BGC	165
B-04616 027	BGC	166
B-04616 028	BGC	166
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B-04616 064	BGC	175
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B-04616 067	BGC	176
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B-04616 069	BGC	176
B-04616 070	BGC	176
B-04616 071	BGC	177
B-04616 072	BGC	177
B-04616 073	BGC	177
B-04616 074	BGC	177
B-04616 075	BGC	178
B-04616 076	BGC	178
B-04616 077	BGC	178
B-04616 078	BGC	178
B-04616 079	BGC	179
B-04616 080	BGC	179

BGFBC LOWER LEAF SURFACE, BROAD, LEAF, VEGETATION, BACKGROUNDS

B-00829 013	BGD	70
B-00829 023	BGD	7
B-00829 025	BG	5
B-00829 049	BGD	8
B-00829 095	BGD	75
B-01353 001	BGD	12
B-01353 002	BGD	12
B-01353 003	BGD	12
B-01353 004	BGD	13
B-01353 005	BGD	13
B-01353 006	BGD	13
B-01353 007	BGD	13
B-01353 008	BGD	14
B-01353 009	BGD	14
B-01353 010	BGD	14
B-01353 011	BGD	14
B-01353 012	BGD	15
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B-01353 015	BGD	15
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B-01353 022	BGD	17
B-01353 023	BGD	17
B-01353 024	BGD	18
B-01353 025	BGD	18
B-01353 026	BGD	18
B-01353 027	BGD	18
B-01367 001	BGD	3
B-01367 003	BGD	42
B-01367 005	BGD	53
B-01367 007	BGD	19
B-01368 001	BGD	258
B-01368 002	BGD	3
B-01368 004	BGD	4
B-01368 006	BGD	43
B-01368 008	BGD	19
B-01368 010	BGD	20
B-01368 012	BGD	72
B-01368 014	BGD	4
B-01368 015	BGD	43
B-01368 016	BGD	43
B-01368 019	BGD	20
B-01368 020	BGD	20
B-01368 021	BGD	21
B-01368 022	BGD	21
B-01368 023	BGD	21
B-01368 030	BGD	230
B-01368 032	BGD	258
B-01368 033	BGD	259
B-01368 034	BGD	5
B-01368 036	BGD	5
B-01368 038	BGD	45
B-01368 040	BGD	44
B-01368 041	BGD	44
B-01368 042	BGD	228
B-01368 043	BGD	228
B-01368 044	BGD	78
B-01368 046	BGD	79
B-01368 048	BGD	234
B-01368 050	BGD	234
B-01368 054	BGD	263
B-01368 056	BGD	56
B-01368 057	BGD	5
B-01368 058	BGD	47
B-01368 059	BGD	47
B-01368 061	BGD	45
B-01368 062	BGD	53
B-01368 063	BGD	79
B-01368 064	BGD	80
B-01368 065	BGD	80
B-01368 066	BGD	80
B-01368 067	BGD	235
B-01761 002	BGD	337
B-01761 004	BGC	337
B-01761 006	BGD	346
B-01761 008	BGD	346
B-01761 010	BGD	356
B-01761 012	BGD	357
B-01761 014	BGD	303
B-01761 016	BGD	345
B-01761 018	BGD	374
B-01761 020	BGD	336
B-01761 022	BGD	320
B-01761 024	BGD	344
B-01761 026	BGD	373
B-01761 030	BGC	144
B-01761 032	BGC	145
B-01761 036	BGC	148
B-01761 043	BGD	354
B-01761 045	BGD	354
B-01761 049	BGD	341
B-01761 051	BGD	341
B-01761 053	BGC	158
B-01761 055	BGD	353
B-01761 057	BGD	382
B-01761 064	BGD	347
B-01761 066	BGD	375
B-01761 069	BGD	342

8-01818 011	BGD	54
8-01948 008	BGD	354
8-01948 011	BGC	149
8-01948 014	BGC	180
8-02418 032	BGC	42
8-02418 033	BGC	42
8-02418 034	BGC	43
8-02418 035	BGC	43
8-03374 077	BGD	241
8-03374 078	BGD	241
8-03374 079	BGD	242
8-03374 080	BGD	242
8-03374 081	BGD	242
8-03374 082	BGD	242
8-03374 083	BGD	243
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8-03374 148	BGD	93
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8-03374 152	BGD	94
8-03374 179	BGD	270
8-03374 180	BGD	270
8-03374 181	BGD	270
8-03374 182	BGD	270
8-03374 183	BGD	271
8-03374 184	BGD	271
8-03374 185	BGD	271
8-03374 186	BGD	271
8-03374 187	BGD	272
8-03374 188	BGD	272
8-03374 189	BGD	272
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8-03374 303	BGD	68
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8-03374 306	BGD	68
8-03374 328	BGD	116
8-03374 329	BGD	116
8-03374 330	BGD	117
8-03374 331	BGD	117
8-03374 332	BGD	117
8-033[illegible] 333	BGD	117
8-033[illegible]4 334	BGD	118
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8-20000	097	BGD	378
8-20000	099	BGD	379
8-20000	101	BGD	379
8-20000	103	BGD	380
8-20000	105	BGD	380
8-20000	107	BGD	381

B-20000 109	BGD	381
B-20000 111	BGD	382
B-20000 113	BGD	318
B-20000 119	BGD	318
B-20000 121	BGD	319
B-20000 123	BGD	319
B-20000 125	BGD	320
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B-20000 216	BGD	355
B-20000 220	BGC	147
B-20000 222	BGC	148
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B-20000 330	BGD	371
B-20000 332	BGD	371
B-20000 334	BGD	372
B-20000 336	BGD	372
B-20000 342	BGC	145
B-20000 352	BGD	316
B-20000 354	BGD	317
B-20000 357	BGD	353

BGFBD UPPER LEAF SURFACE, BROAD, LEAF, VEGETATION, BACKGROUNDS

B-00829 003	BGD	7
B-00829 004	BGD	72
B-00829 012	BGD	70
B-00829 015	BGD	46
B-00829 016	BGD	54
B-00829 019	BGD	69
B-00829 020	BGD	228
B-00829 021	BGD	226
B-00829 024	BG	5
B-00829 026	BGD	227
B-00829 028	BGD	232
B-00829 030	BGD	233
B-00829 031	BGD	232
B-00829 037	BGC	112
B-00829 040	BGD	70
B-00829 041	BGD	36
B-00829 042	BGD	44
B-00829 043	BGD	44
B-00829 044	BGD	7
B-00829 045	BGD	74
B-00829 048	BGD	8
B-00829 053	BGD	32
B-00829 054	BGD	197
B-00829 055	BGD	45
B-00829 056	BGD	2
B-00829 057	BGD	2
B-00829 060	BGD	76
B-00829 090	BGD	226
B-00829 091	BGD	34
B-00829 100	BGD	33
B-00829 101	BGC	142
B-00829 102	BGC	2
B-01049 001	BG	5
B-01049 002	BG	6
B-01049 003	BGD	55
B-01049 004	BGD	107
B-01049 005	BGD	228
B-01049 007	BGD	289
B-01049 008	BGD	55
B-01049 010	BG	6
B-01049 011	BGD	11
B-01049 012	BG	6
B-01049 014	BGD	262
B-01049 018	BGC	4
B-01049 020	BGD	230
B-01367 002	BGD	3
B-01367 004	BGD	43
B-01367 006	BGD	53
B-01367 008	BGD	19
B-01368 003	BGD	4
B-01368 005	BGD	4
B-01368 007	BGD	43
B-01368 009	BGD	19
B-01368 011	BGD	20
B-01368 013	BGD	72
B-01368 031	BGD	230
B-01368 035	BGD	5
B-01368 037	BGD	5
B-01368 039	BGD	45
B-01368 045	BGD	79
B-01368 047	BGD	79
B-01368 049	BGD	234
B-01368 051	BGD	235
B-01368 052	BGD	262
B-01368 053	BGD	262
B-01368 055	BGD	263
B-01368 060	BGD	230
B-01761 001	BGD	337
B-01761 003	BGD	337
B-01761 005	BGD	345
B-01761 007	BGD	346
B-01761 009	BGD	356
B-01761 011	BGD	357
B-01761 013	BGD	303
B-01761 015	BGD	345
B-01761 017	BGD	374
B-01761 019	BGD	336
B-01761 021	BGD	320
B-01761 023	BGD	344
B-01761 025	BGD	373
B-01761 027	BGD	303
B-01761 028	BGD	382
B-01761 029	BGC	144
B-01761 031	BGC	145
B-01761 033	BGC	146
B-01761 034	BGC	146
B-01761 035	BGC	148
B-01761 037	BGD	344
B-01761 038	BGD	344
B-01761 039	BGD	345

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8-01761	041	BGD	375
8-01761	042	BGD	353
8-01761	044	BGD	354
8-01761	046	BGD	373
8-01761	047	BGD	373
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8-01761	050	BGD	341
8-01761	052	BGC	158
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8-01761	063	BGD	346
8-01761	065	BGD	375
8-01761	067	BGD	235
8-01761	068	BGD	342
8-01818	008	BGD	54
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8-01818	010	BGD	54
8-01818	012	BGD	81
8-01818	013	BGD	21
8-01948	012	BGC	149
8-01948	013	BGC	179
8-03070	001	BGD	383
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B-03374	318	BGD	114
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B-03374	588	BGD	281
B-03374	589	BGD	282
B-03374	590	BGD	282
B-03374	591	BGD	262
B-03374	617	BGF	23
B-03374	618	BGF	23
B-03374	619	BGF	23
B-03374	620	BGF	24
B-03374	621	BGF	24
B-03374	622	BGF	24
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B-03374	628	BGF	26
B-03374	641	BGD	210
B-03374	642	BGD	211
B-03374	643	BGD	211
B-03374	644	BGD	211
B-03374	645	BGD	211
B-03374	646	BGD	212
B-03374	647	BGD	212
B-03374	648	BGD	212
B-03374	649	BGD	212
B-03374	650	BGD	213
B-03374	651	BGD	213
B-03374	652	BGD	213
B-03374	653	BGD	213
B-03374	654	BGD	214
B-03374	655	BGD	214
B-03374	656	BGD	214
B-03374	657	BGD	214
B-03374	658	BGD	215
B-03374	659	BGD	215
B-03374	660	BGD	215
B-03374	661	BGD	215
B-03374	662	BGD	216
B-03374	663	BGD	216
B-03374	664	BGD	216
B-03374	665	BGD	216
B-04803	003	BGD	362
B-04803	004	BGD	362
B-04803	005	BGD	362
B-04803	006	BGD	362
B-04803	009	BGD	363
B-04803	010	BGD	363
B-04803	015	BGD	365
B-04803	016	BGD	365
B-04803	020	BGC	157
B-04803	021	BGC	157
B-04803	024	BGC	147
B-04803	025	BGC	147
B-20000	002	BGD	315
B-20000	003	BGD	315
B-20000	005	BGC	159
B-20000	014	BGD	315
B-20000	021	BGD	304
B-20000	023	BGD	305
B-20000	026	BGD	306
B-20000	027	BGD	306

B-20000 050	BGD	306
B-20000 051	BGD	306
B-20000 053	BGD	307
B-20000 055	BGD	307
B-20000 057	BGD	308
B-20000 060	BGD	309
B-20000 061	BGD	309
B-20000 063	BGD	309
B-20000 065	BGD	310
B-20000 067	BGD	310
B-20000 069	BGD	311
B-20000 071	BGD	311
B-20000 073	BGD	312
B-20000 087	BGD	312
B-20000 089	BGD	376
B-20000 091	BGD	377
B-20000 092	BGD	377
B-20000 094	BGD	377
B-20000 096	BGD	378
B-20000 098	BGD	378
B-20000 100	BGD	379
B-20000 102	BGD	379
B-20000 104	BGD	380
B-20000 106	BGD	380
B-20000 108	BGD	381
B-20000 110	BGD	381
B-20000 112	BGD	317
B-20000 117	BGD	315
B-20000 118	BGD	318
B-20000 120	BGD	318
B-20000 122	BGD	319
B-20000 124	BGD	319
B-20000 126	BGD	323
B-20000 137	BGD	323
B-20000 138	BGD	323
B-20000 139	BGD	324
B-20000 140	BGD	365
B-20000 141	BGD	365
B-20000 142	BGD	366
B-20000 143	BGD	366
B-20000 148	BGD	324
B-20000 150	BGD	324
B-20000 152	BGD	325
B-20000 154	BGD	325
B-20000 156	BGD	326
B-20000 158	BGD	326
B-20000 164	BGD	328
B-20000 181	BGD	366
B-20000 183	BGD	367
B-20000 193	BGD	347
B-20000 195	BGD	348
B-20000 197	BGD	348
B-20000 199	BGD	349
B-20000 201	BGD	349
B-20000 203	BGD	350
B-20000 205	BGD	350
B-20000 207	BGD	351
B-20000 209	BGD	351
B-20000 211	BGD	352
B-20000 215	BGD	355
B-20000 217	BGD	355
B-20000 218	BGD	352
B-20000 219	BGC	147
B-20000 221	BGC	148
B-20000 257	BGD	313
B-20000 259	BGD	313
B-20000 261	BGD	314
B-20000 262	BGD	314
B-20000 265	BGD	329
B-20000 267	BGD	329
B-20000 271	BGD	330
B-20000 282	BGD	331
B-20000 284	BGD	331
B-20000 286	BGD	332
B-20000 288	BGD	332
B-20000 290	BGD	333
B-20000 292	BGD	333
B-20000 294	BGD	334
B-20000 296	BGD	334
B-20000 298	BGD	335
B-20000 300	BGD	335
B-20000 303	BGD	338
B-20000 305	BGD	338
B-20000 307	BGD	339
B-20000 309	BGD	339
B-20000 311	BGD	340
B-20000 313	BGD	340
B-20000 315	BGD	367
B-20000 316	BGD	367
B-20000 317	BGD	368
B-20000 318	BGD	368
B-20000 319	BGD	368
B-20000 320	BGD	368
B-20000 321	BGD	369
B-20000 323	BGD	369
B-20000 325	BGD	370
B-20000 326	BGD	370
B-20000 327	BGD	370
B-20000 329	BGD	371
B-20000 331	BGD	371
B-20000 333	BGD	372
B-20000 335	BGD	372
B-20000 337	BGC	144
B-20000 338	BGC	144
B-20000 340	BGC	145
B-20000 342	BGD	316
B-20000 343	BGD	316
B-20000 351	BGD	316
B-20000 353	BGD	317
B-20000 355	BGD	317
B-20000 356	BGD	352

BGFC YOUNG (SPRING), LEAF, VEGETATION, BACKGROUNDS

B-01761 037	BGD	344
B-01761 038	BGD	344
B-01761 040	BGD	375
B-01761 042	BGD	353
B-01761 043	BGD	254
B-01761 046	BGD	373
B-01818 009	BGD	290
B-03333 003	BGD	320
B-03333 004	BGD	321
B-03333 005	BGD	321
B-03333 006	BGD	321
B-03995 003	BGD	49
B-03995 007	BGD	50
B-03995 012	BGD	46
B-03995 018	BGD	123
B-03995 022	BGD	124
B-03995 032	BGD	126
B-03995 035	BGD	46
B-03995 037	BGD	260
B-03995 039	BGD	261
B-03995 045	BGD	194
B-03995 048	BGD	195
B-03995 162	BGC	30
B-20000 257	BGD	313
B-20000 258	BGD	313
B-20000 265	BGD	329
B-20000 266	BGD	329
B-20000 270	BGD	330
B-20000 271	BGD	330

BGFD MATURE (SUMMER), LEAF, VEGETATION, BACKGROUNDS

B-00829 028	BGD	232
B-00829 041	BGD	36
B-00829 042	BGD	44
B-00829 046	BGD	224
B-00829 047	BGD	224
B-00829 102	BGC	2
B-01643 048	BGC	119
B-01643 049	BGC	119
B-01643 050	BGC	120
B-01643 051	BGC	120
B-01643 052	BGC	120
B-01643 053	BGC	120
B-01643 054	BGC	121
B-01643 055	BGC	121
B-01643 056	BGC	121
B-01643 057	BGC	121
B-01643 058	BGC	122
B-01643 059	BGC	122

B-01643 060	BGC	122
B-01643 061	BGC	122
B-01643 062	BGC	123
B-01643 063	BGC	123
B-01643 064	BGC	123
B-01643 065	BGC	123
B-01643 066	BGC	124
B-01643 067	BGC	124
B-01643 068	BGC	124
B-01643 069	BGC	124
B-01643 070	BGC	125
B-01643 071	BGC	125
B-01643 072	BGC	125
B-01643 073	BGC	125
B-01643 074	BGC	126
B-01643 075	BGC	126
B-01643 076	BGC	126
B-01643 077	BGC	126
B-01761 039	BGD	345
B-01761 041	BGD	375
B-01761 044	BGD	354
B-01761 045	BGD	354
B-01761 047	BGD	373
B-03333 007	BGD	321
B-03995 001	BGD	48
B-03995 004	BGD	49
B-03995 005	BGD	49
B-03995 008	BGD	50
B-03995 009	BGD	50
B-03995 010	BGD	51
B-03995 013	BGD	46
B-03995 015	BGD	29
B-03995 019	BGD	123
B-03995 020	BGD	124
B-03995 023	BGD	124
B-03995 024	BGD	125
B-03995 025	BGD	125
B-03995 026	BGD	290
B-03995 027	BG	8
B-03995 029	BGD	69
B-03995 033	BGD	127
B-03995 034	BGD	127
B-03995 038	BGD	260
B-03995 040	BGD	261
B-03995 041	BGD	261
B-03995 043	BG	8
B-03995 046	BGD	154
B-03995 049	BGD	195
B-03995 164	BGC	31

BGFE OLD (FALL), LEAF, VEGETATION, BACKGROUNDS

B-00629 031	BGD	232
B-01761 067	BGD	235
B-01761 068	BGD	342
B-01761 069	BGD	342
B-03333 008	BGD	322
B-03333 009	BGD	322
B-03333 010	BGD	322
B-03333 011	BGD	322
B-03559 001	BGD	163
B-03559 002	BGD	163
B-03559 003	BGD	163
B-03559 004	BGD	163
B-03559 005	BGD	164
B-03559 006	BGD	164
B-03559 007	BGD	164
B-03559 008	BGD	164
B-03559 009	BGD	165
B-03559 010	BGD	165
B-03559 011	BGD	165
B-03559 012	BGD	165
B-03559 013	BGD	166
B-03559 014	BGD	166
B-03559 015	BGD	166
B-03559 016	BGD	166
B-03559 017	BGD	167
B-03559 018	BGD	167
B-03559 019	BGD	167
B-03559 020	BGD	167
B-03559 021	BGD	168
B-03559 022	BGD	168
B-03559 023	BGD	168
B-03559 024	BGD	168
B-03559 025	BGD	169
B-03559 026	BGD	169
B-03559 027	BGD	169
B-03559 028	BGD	169
B-03559 029	BGD	170
B-03559 030	BGD	170
B-03559 031	BGD	170
B-03559 032	BGD	170
B-03559 033	BGD	171
B-03559 034	BGD	171
B-03559 035	BGD	171
B-03559 036	BGD	171
B-03559 037	BGD	172
B-03559 038	BGD	172
B-03559 039	BGD	172
B-03559 040	BGD	172
B-03559 041	BGD	173
B-03559 042	BGD	173
B-03559 043	BGD	173
B-03559 044	BGD	173
B-03559 045	BGD	174
B-03559 046	BGD	174
B-03559 047	BGD	174
B-03559 048	BGD	174
B-03559 049	BGD	175
B-03559 050	BGD	175
B-03559 051	BGD	175
B-03559 052	BGD	175
B-03559 053	BGD	176
B-03559 054	BGD	176
B-03559 055	BGD	176
B-03559 056	BGD	176
B-03559 057	BGD	177
B-03559 058	BGD	177
B-03559 059	BGD	177
B-03559 060	BGD	177
B-03559 061	BGD	178
B-03559 062	BGD	178
B-03559 063	BGD	178
B-03559 064	BGD	178
B-03559 065	BGD	179
B-03559 066	BGD	179
B-03559 067	BGD	179
B-03559 068	BGD	179
B-03559 069	BGD	180
B-03559 070	BGD	180
B-03559 071	BGD	180
B-03559 072	BGD	180
B-03559 073	BGD	181
B-03559 074	BGD	181
B-03559 075	BGD	181
B-03559 076	BGD	181
B-03559 077	BGD	182
B-03559 078	BGD	182
B-03559 079	BGD	182
B-03559 080	BGD	182
B-03559 081	BGD	183
B-03559 082	BGD	183
B-03559 083	BGD	183
B-03559 084	BGD	183
B-03559 085	BGD	184
B-03559 086	BGD	184
B-03559 087	BGD	184
B-03559 088	BGD	184
B-03559 089	BGD	185
B-03559 090	BGD	185
B-03559 091	BGD	185
B-03559 092	BGD	185
B-03559 093	BGD	186
B-03559 094	BGD	186
B-03559 095	BGD	186
B-03559 096	BGD	186
B-03559 097	BGD	187
B-03559 098	BGD	187
B-03559 099	BGD	187
B-03559 100	BGD	187
B-03559 101	BGD	188
B-03559 102	BGD	188
B-03559 103	BGD	188
B-03559 104	BGD	188

B-03559	105	BGD	189
B-03559	106	BGD	189
B-03559	107	BGD	189
B-03559	108	BGD	189
B-03559	109	BGD	190
B-03559	110	BGD	190
B-03559	111	BGD	190
B-03559	112	BGD	190
B-03559	113	BGD	191
B-03559	114	BGD	191
B-03559	115	BGD	191
B-03559	116	BGD	191
B-03559	117	BGD	192
B-03559	118	BGD	192
B-03559	119	BGD	192
B-03559	120	BGD	192
B-03559	121	BGD	193
B-03559	122	BGD	193
B-03559	123	BGD	193
B-03559	124	BGD	193
B-03559	125	BGD	194
B-03995	016	BGD	29
B-03995	030	BGD	69
B-03995	042	BGD	261
B-04803	026	BGD	342
B-04803	027	BGD	342
B-04803	028	BGD	343
B-04803	029	BGD	343
B-04803	030	BGD	343
B-04803	031	BGD	343
B-20000	261	BGD	314
B-20000	262	BGD	314
B-20000	263	BGD	314
B-20000	264	BGD	314
B-20000	267	BGD	329
B-20000	268	BGD	330
B-20000	269	BGD	330
B-20000	272	BGD	331

BGFF DRY, LEAF, VEGETATION, BACKGROUNDS

B-00829	001	BGD	196
B-00829	048	BGD	8
B-00829	049	BGD	8
B-00829	051	BGD	8
B-00829	053	BGD	32
B-00829	057	BGD	2
B-00829	058	BGD	34
B-00829	060	BGD	74
B-00829	107	BGD	35
B-01353	001	BGD	12
B-01353	002	BGD	12
B-01353	003	BGD	12
B-01353	004	BGD	13
B-01353	005	BGD	13
B-01353	006	BGD	13
B-01353	007	BGD	13
B-01353	008	BGD	14
B-01353	009	BGD	14
B-01353	010	BGD	14
B-01353	011	BGD	14
B-01353	012	BGD	15
B-01353	013	BGD	15
B-01353	014	BGD	15
B-01353	015	BGD	15
B-01353	016	BGD	16
B-01353	017	BGD	16
B-01353	018	BGD	16
B-01353	019	BGD	16
B-01353	020	BGD	17
B-01353	021	BGD	17
B-01353	022	BGD	17
B-01353	023	BGD	17
B-01353	024	BGD	18
B-01353	025	BGD	18
B-01353	026	BGD	18
B-01353	027	BGD	18
B-01818	008	BGD	54
B-01818	009	BGD	290
B-01818	010	BGD	54
B-01818	011	BGD	54
B-01818	012	BGD	81
B-01818	013	BGD	31

B-02418	001	BGC	39
B-02418	002	BGC	39
B-02418	003	BGC	39
B-02418	004	BGC	39
B-02418	005	BGC	39
B-02418	006	BGC	39
B-02418	007	BGC	39
B-02418	008	BGC	39
B-02418	009	BGC	39
B-02418	010	BGC	40
B-02418	011	BGC	40
B-02418	012	BGC	40
B-02418	013	BGC	40
B-02418	014	BGC	40
B-02418	015	BGC	40
B-02418	016	BGC	40
B-02418	017	BGC	40
B-02418	018	BGC	40
B-02418	019	BGC	40
B-02418	020	BGC	41
B-02418	021	BGC	41
B-02418	022	BGC	41
B-02418	023	BGC	41
B-02418	024	BGC	41
B-02418	025	BGC	41
B-02418	026	BGC	41
B-02418	027	BGC	41
B-02418	028	BGC	41
B-02418	029	BGC	42
B-02418	030	BGC	42
B-02418	031	BGC	42
B-02418	032	BGC	42
B-02418	033	BGC	42
B-02418	034	BGC	43
B-02418	035	BGC	43
B-02418	036	BGC	43
B-02418	037	BGC	43
B-02418	038	BGC	43
B-02418	039	BGC	43
B-02418	040	BGC	43
B-02418	041	BGC	43
B-02418	042	BGC	43
B-02418	043	BGC	43
B-02418	044	BGC	43
B-02418	045	BGC	44
B-02418	046	BGC	44
B-02418	047	BGC	44
B-02418	048	BGC	44
B-02418	049	BGC	44
B-02418	050	BGC	44
B-02418	051	BGC	44
B-02418	052	BGC	44
B-02418	053	BGC	44
B-02418	054	BGC	44
B-02418	055	BGC	44
B-02418	056	BGC	44
B-02418	057	BGC	45
B-02418	058	BGC	45
B-02418	059	BGC	45
B-02418	060	BGC	45
B-02418	061	BGC	45
B-02418	062	BGC	45
B-02418	110	BGC	50
B-02418	111	BGC	50
B-02418	121	BGC	51
B-02418	122	BGC	51
B-02418	123	BGC	51
B-02418	184	BGC	11
B-02418	185	BGC	11
B-02418	186	BGC	11
B-02418	187	BGC	11
B-02418	188	BGC	11
B-02418	189	BGC	11
B-02418	190	BGC	11
B-02418	191	BGC	11
B-02418	192	BGC	11
B-02418	238	BGC	134
B-02418	239	BGC	134
B-02418	356	BGC	14
B-02418	357	BGC	14
B-03995	044	BG	8
B-03995	056	BGC	58

	B-03995 057	BGC	58
	B-03995 058	BGC	58
	B-03995 059	BGC	58
	B-03995 060	BGC	59
	B-03995 061	BGC	59
	B-03995 062	BGC	59
	B-03995 063	BGC	59
	B-03995 065	BGC	60
	B-03995 066	BGC	60
	B-03995 067	BGC	60
	B-03995 068	BGC	60
	B-03995 163	BGC	31
	B-03995 168	BG	9
	B-03995 169	BG	9
	B-04803 005	BGD	362
	B-04803 006	BGD	362
	B-04803 007	BGD	363
	B-04803 008	BGD	363
	B-04803 009	BGD	363
	B-04803 011	BGD	364
	B-04803 012	BGD	364
	B-04803 013	BGD	364
	B-04803 014	BGD	364
	B-04803 015	BGD	365
	B-04803 016	BGD	365
	B-04803 017	BGC	156
	B-04803 018	BGC	157
	B-04803 019	BGC	157
	B-04803 020	BGC	157
	B-04803 021	BGC	157
	B-20000 164	BGD	328
	B-20000 165	BGD	328
	B-20000 302	BGD	336
BGG	BARK, VEGETATION, BACKGROUNDS		
	B-00829 002	BGD	197
	B-00829 065	BGD	9
	B-00829 066	BGD	10
	B-00829 067	BGD	10
	B-00829 072	BGD	233
	B-00829 073	BGD	3
	B-00829 074	BGD	127
	B-00829 075	BGD	127
	B-00829 076	BGD	71
	B-00829 088	BGD	123
	B-00829 089	BGD	232
	B-00829 096	BGD	76
	B-00829 097	BGD	231
	B-00829 098	BGD	128
	B-01339 001	BGD	128
	B-01339 002	BGD	12
	B-01818 026	BGD	22
	B-01818 027	BGD	129
	B-01818 028	BGD	195
	B-02418 387	BGD	225
	B-02418 388	BGD	225
	B-02418 389	BGD	225
	B-02418 390	BGD	227
	B-02418 391	BGD	227
	B-02418 392	BGD	227
	B-02418 393	BGD	229
	B-02418 394	BGD	229
	B-02418 395	BGD	229
	B-02418 396	BGD	226
	B-02418 397	BGD	226
	B-02418 398	BGD	226
	B-02418 399	BGD	231
	B-02418 400	BGD	231
	B-02418 401	BGD	231
	B-03995 011	BGD	51
BGH	TWIG, VEGETATION, BACKGROUNDS		
	B-00829 087	BGD	122
	B-01337 018	BGD	126
	B-01337 020	BGD	122
	B-01337 021	BGD	122
	B-01818 014	BGD	129
	B-02418 371	BGD	225
	B-02418 372	BGD	225
	B-02418 373	BGD	225
	B-02418 374	BGD	32
	B-02418 375	BGD	32
	B-02418 376	BGD	32
	B-02418 380	BGD	227
	B-02418 382	BGD	227
	B-02418 383	BGD	229
	B-02418 384	BGD	229
	B-02418 385	BGD	229
	B-02418 386	BGD	227
	B-20000 171	BGD	358
	B-20000 172	BGD	358
	B-20000 178	BGD	358
	B-20000 213	BGD	[illegible]
BH	WATER, BACKGROUNDS		
	B-01370 024	BF	13
	B-01370 025	BF	14
	B-03995 007	BH	1
	B-03995 008	BH	1
	B-03995 009	BH	1
BHA	FORMATIONS, WATER, BACKGROUNDS		
	B-01370 023	BH	1
	B-01370 026	BH	2
BHAA	LAKE, FORMATIONS, WATER, BACKGROUNDS		
	B-01370 007	BG	2
	B-01370 008	BG	2
	B-03995 069	BGC	65
	B-03995 144	BH	2
	B-03995 335	BH	6
	B-03995 336	BH	2
BHAC	RIVER, FORMATIONS, WATER, BACKGRO		
	B-03995 146	BH	2
	B-03995 151	BH	3
	B-03995 333	BH	3
	B-03995 334	BH	3
BHAD	SEA, FORMATIONS, WATER, BACKGROUNDS		
	B-01035 021	BH	3
	B-01035 022	BH	4
	B-01035 023	BH	4
	B-01035 024	BH	4
	B-01035 025	BH	4
	B-01035 026	BH	5
	B-01035 027	BH	5
	B-01035 028	BH	5
	B-01035 029	BH	5
	B-01035 030	BH	6
	B-01370 044	BH	6
	B-01370 045	BH	6
BHBC	LIQUID, STATE, WATER, BACKGROUNDS		
	B-03333 017		
	B-03995 333	BH	3
	B-03995 334	BH	3
	B-03995 335	BH	6
BHBD	SNOW, STATE, WATER, BACKGROUNDS		
	B-01035 041	BH	7
	B-01035 042	BH	7
	B-01035 043	BH	7
	B-01035 044	BH	7
	B-01035 045	BH	8
	B-01035 046	BH	8
	B-01035 047	BH	8
	B-01035 048	BH	8
	B-01035 057	BH	9
	B-01035 058	BH	9
	B-02995 337	BH	9
	B-03995 338	BH	9
	B-03995 339	BH	10
	B-03995 340	BH	10
	B-03995 341	BH	10
	B-03995 342	BH	10
	B-03995 343	BH	11
	B-03995 344	BH	11

B-03995 345	BH	11
B-03995 346	BH	11
B-03995 347	BH	12
B-03995 348	BH	12
B-03995 349	BH	12
B-03995 351	BH	12
B-03995 352		
B-03995 353	BH	13
B-03995 354	BH	13
B-04424 001		

CJAA MAGNESIUM OXIDE, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-03257 001	CJ	1
B-04979 078	CJ	1
B-04979 079	CJ	1
B-04979 080	CJ	1
B-04979 081	CJ	2
B-20000 169	CJ	2
B-20000 170	CJ	2
B-20000 176	CJ	2
B-20000 185	CJ	3
B-20000 186	CJ	3
B-20000 188	CJ	3
B-20000 177	CJ	3
B-20000 190	CJ	4

CJAAA SMOKED, MAGNESIUM OXIDE, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-20000 017	CJ	4
B-20000 018	CJ	4
B-20000 081	CJ	4
B-20000 084	CJ	5
B-20000 273	CJ	5
B-20000 274	CJ	5

CJAAB PRESSED, MAGNESIUM OXIDE, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-20000 009	CJ	5
B-20000 010	CJ	6
B-20000 019	CJ	6
B-20000 082	CJ	6
B-20000 083	CJ	6
B-20000 085	CJ	7
B-20000 086	CJ	7
B-20000 132	CJ	7
B-20000 146	CJ	7

CJAB MAGNESIUM CARBONATE, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-03257 002	CJ	8
B-03303 001	CJ	8
B-03303 002	CJ	8
B-04979 083	CJ	8
B-20000 145	CJ	9
B-20000 147	CJ	9

CJAC SULPHUR, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-20000 008	CJ	9

CJADA MIRROR, ALUMINUM, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-03117 001	CJ	9

CJAE SAPPHIRE FELT, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-20000 189	CJ	10
B-20000 191	CJ	10
B-20000 192	CJ	10
B-20000 223	CJ	10
B-20000 275	CJ	11
B-20000 278	CJ	11

CJAG OTHER DIFFUSE STANDARDS, REFLECTANCE STANDARDS, MATERIALS, EQUIPMENT

B-20000 131	CJ	11
B-20000 133	CJ	11
B-20000 134	CJ	12
B-20000 135	CJ	12
B-20000 136	CJ	1
B-20000 180	CJ	1.
B-20000 276	CJ	13
B-20000 277	CJ	13

5
RADAR (ACTIVE MICROWAVE) DATA

5.1. INTRODUCTION

Each radar data curve has been digitized by the same technique as used for the optical data, and the curves are reproduced on uniform grids. Normalized radar cross section σ_0 in decibels is plotted along the ordinate, while the abscissa represents the angle measured from the normal (aspect angle) in degrees. The header information for each curve, which includes the curve's identification number, title, a coded designation for the type of terrain covered, and parameter information, is also supplied by computer.

A numerical code is used to identify the radar curves. The number of digits in the code is variable, depending on the number of descriptors required for a particular target or background. Table III contains the key for interpreting this code. The first digit, always a 3, identifies the curve as being radar data. The second digit, either a 1, 2, or 3, indicates that the curve is for a background, target, or combination of terrain and target, respectively. Third, fourth, and fifth digits, when used, represent successively finer subdivisions of the material class involved. Thus, 31312 represents clay, a subset of soil (3131), which in turn is a subset of terrain (313), which is a background material (31) being measured by radar (3). Table III also indicates which material classes require still additional descriptors. These are designated by the letters A, B, C, C_1, C_2, C_3, etc., as defined in table IV. Table V explains the parameter information appearing in the curve header. In section 5.2 the radar data are grouped according to the first four digits of the curve identification number.

TABLE III. RADAR DATA NUMERICAL CODE

31	BACKGROUND AND TERRAIN
311	Sky
312	H_2O States
3122□*$C_1C_2C_3C_4$	Ice
3123□AB	Water
313	Terrain
3131	Soil
31311$C_1C_2C_3C_4$	Sand
31312$C_1C_2C_3C_4$	Clay
31313$C_1C_2C_3C_4$	Loam, cultivated
31314$C_1C_2C_3C_4$	Loam, uncultivated
31315$C_1C_2C_3C_4$	Rock
31316$C_1C_2C_3C_4$	Salt
3132	Trees
31321$C_1C_2C_3C_4$	Leaves, laboratory sample
31322$C_1C_2C_3C_4$	Bark, laboratory sample
31323$C_1C_2C_3C_4$	Broad-leaf trees
31324$C_1C_2C_3C_4$	Narrow-leaf trees
31325$C_1C_2C_3C_4$	Broad-leaf shrubs
31326$C_1C_2C_3C_4$	Narrow-leaf shrubs
3133	Crops
31331$C_1C_2C_3C_4$	Grain
31332$C_1C_2C_3C_4$	Broad-leaf crops
31333$C_1C_2C_3C_4$	Grass
31334$C_1C_2C_3C_4$	Mosses, ferns, and fungi
3134X$C_1C_2C_3C_4$	Forest, where X is the percentage of cover
3135□$C_1C_2C_3C_4$	Farmland (including farm buildings, etc.)
3136□$C_1C_2C_3C_4$	Marsh
3137□$C_1C_2C_3C_4$	Desert
314	Space
315	Combinations of Ice, H_2O, and Land
3151A$C_1C_{2_I}C_{3_I}C_{4_I}$	Ice and H_2O
3152A$C_1C_2C_3C_4$	H_2O and land
3153□$C_1C_2C_3C_4C_{2_I}$	Ice and land
3154A$C_1C_2C_3C_4C_{2_I}$	Ice, H_2O, and land

*The symbol □ indicates a blank space.

TABLE III. RADAR DATA NUMERICAL CODE (Continued)

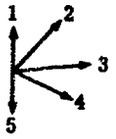
32	TARGET
320	Composite areas
3201□ $C_1C_2C_3C_4$	Industrial area
3202□ $C_1C_2C_3C_4$	Residential area
3203□ $C_1C_2C_3C_4$	Rural town area
321	Buildings and building materials
3211	Materials
32111 $C_1C_2C_3C_4$	Painted lumber
32112 $C_1C_2C_3C_4$	Brick and tile
32113 $C_1C_2C_3C_4$	Asphalt
32114 $C_1C_2C_3C_4$	Glass
3212□ $C_1C_2C_3C_4$	Concrete buildings
3213□ $C_1C_2C_3C_4$	Frame buildings
3214□ $C_1C_2C_3C_4$	Camouflage, decoys, and temporary structures
3215□ $C_1C_2C_3C_4$	Steel buildings
322□□ C_1□□ C_4	Personnel
323□□ C_1□□ C_4	Surface vehicles
3231□ C_1□□ C_4	Trucks, armor, and painted vehicles
324□□ C_1□□ C_4	Aircraft
325□□ C_1□□ C_4	Missiles
328□□ $C_1C_2C_3C_4$	Airfields
3290D $C_1C_2C_3C_4$	Pavement, where D is (1) Asphalt (4) Concrete (7) Cinder and gravel (2) Brick (5) Gravel (8) Concrete and gravel (3) Cinder (6) Stone (9) Cinder and dirt
33	COMBINATIONS OF TERRAIN AND TARGETS
3301□ $C_1C_2C_3C_4$	Orchard with paved highway
3302□ $C_1C_2C_3C_4$	Desert, highway, and bridges
3303A $C_1C_{2_L}C_{3_I}C_4C_{2_I}$	Water, ice, land, and small buildings

TABLE IV. SCALES OF ADDITIONAL DESCRIPTORS FOR RADAR DATA

Scale A: Douglas Sea Scale

Code No.	Description	Wave Height (ft)	Wind Speed (knots)
0	Calm	0	0
1	Smooth	< 1	< 6.5
2	Slight	1 to 3	6.5 to 12
3	Moderate	3 to 5	12 to 14.5
4	Rough	5 to 8	14.5 to 18
5	Very rough	8 to 12	18 to 23
6	High	12 to 20	23 to 30
7	Very high	20 to 40	30 to 40
8	Mountainous	> 40	> 40
9	Confused		

Scale B: Wind-Direction Scale



1 indicates antenna direction.

Scale C_1: Season When Measurements Taken

1 Summer: June, July, August

2 Fall: September, October, November

3 Winter: December, January, February

4 Spring: March, April, May

Scale C_2: Small-Scale Roughness

1 Roughness = < 0.01λ
2 Roughness = 0.01λ to 0.05λ
3 Roughness = 0.05λ to 0.10λ
4 Roughness = 0.10λ to 0.50λ
5 Roughness = 0.50λ to 1.00λ
6 Roughness = 1.00λ to 5.00λ
7 Roughness = 5.00λ to 10.00λ
8 Roughness = 10.00λ to 50.00λ
9 Roughness = > 50.00λ

Scale C_3: Large-Scale Roughness

1 Flat
2 Rolling
3 Hilly
4 Mountainous

Scale C_4: Wetness or Snow

1 Dry ground
2 Wet ground (rain)
3 Partially flooded or swampy
4 Snow, < 3λ deep
5 Snow, 3 to 10λ deep
6 Snow, 10 to 20λ deep
7 Snow, 20 to 50λ deep
8 Snow, 50 to 100λ deep
9 Snow, > 100λ deep

TABLE V. RADAR DATA PARAMETERS

BAND	Frequency interval of measurement coded as follows:

B	Low frequency
P	0.225 to 0.390 GHz
L	0.390 to 1.55
S	1.55 to 3.90
C	3.90 to 6.20
X	6.20 to 10.9
KU	10.9 to 20.9
KA	20.0 to 36.0
Q	36.0 to 46.0
V	46.0 to 56.0

FREQ	Exact frequency of measurement
POL	Polarization of transmitted signal and polarization of received signal, coded as follows:

VV	Vertical × vertical
HV	Horizontal × vertical
RL	Right and left
RR	Right and right
AV	Average
HH	Horizontal × horizontal
VH	Vertical × horizontal
LR	Left and right
LL	Left and left

LAT	Latitude of measurement
LONG	Longitude of measurement
DATE	Date of measurement (day, month, and year)
RADAR TYPE	Coded as follows:

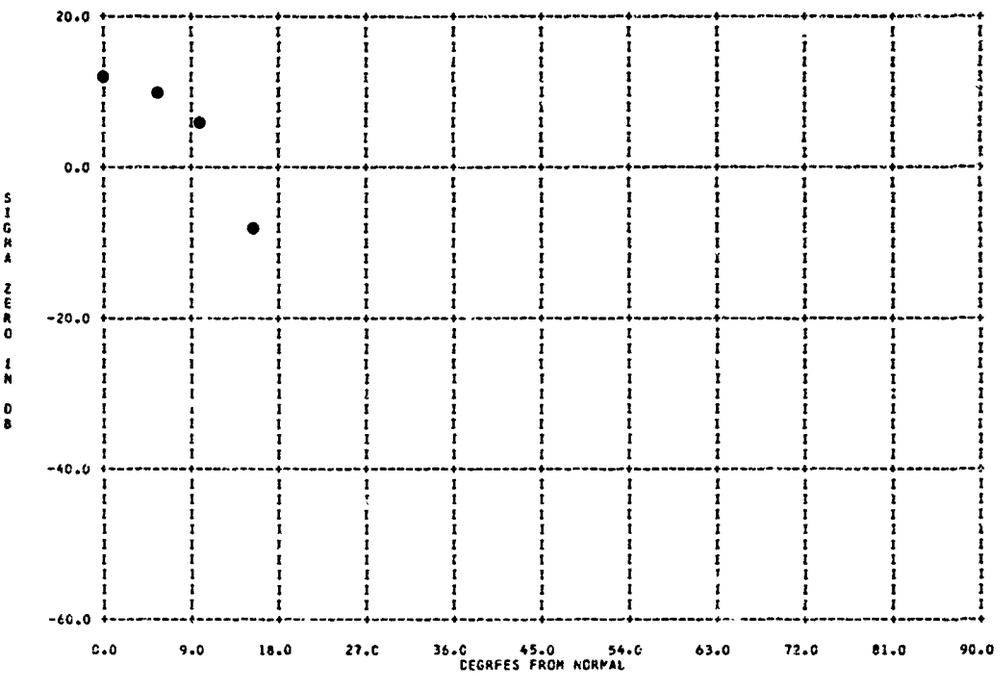
ACC	Airborne CW, coherent
ACN	Airborne CW, noncoherent
APC	Airborne pulse, coherent
APN	Airborne pulse, noncoherent
GCC	Ground CW, coherent
GCN	Ground CW, noncoherent
GPC	Ground pulse, coherent
GPN	Ground pulse, noncoherent

BEAMWIDTH	Beamwidth between half-power points (degrees)
RANGE	Slant range
AREA	Total sampling area per average point
AVERAGING	Degree of averaging, scaled from 1 (instantaneous) to 9 (very heavily averaged)
VARIANCE	Variance about curves (decibels)

803597-019 SALT WATER SEA

TERRAIN TYPE 3123 0

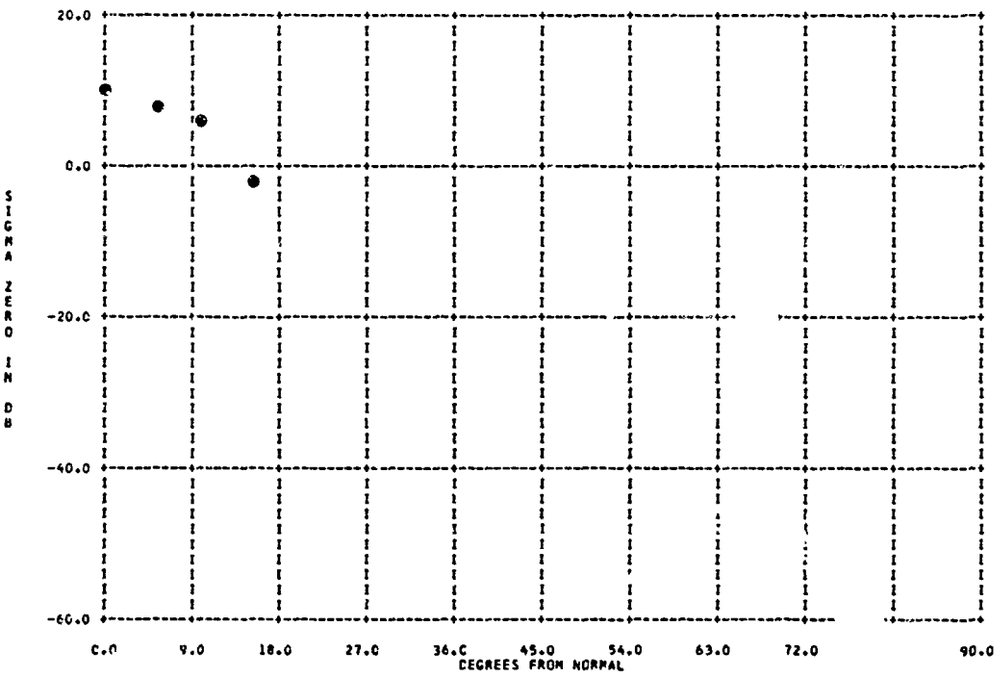
PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 33N LONG= 116W
DATE= 15 11 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-020 SALT WATER SEA

TERRAIN TYPE 3123 0

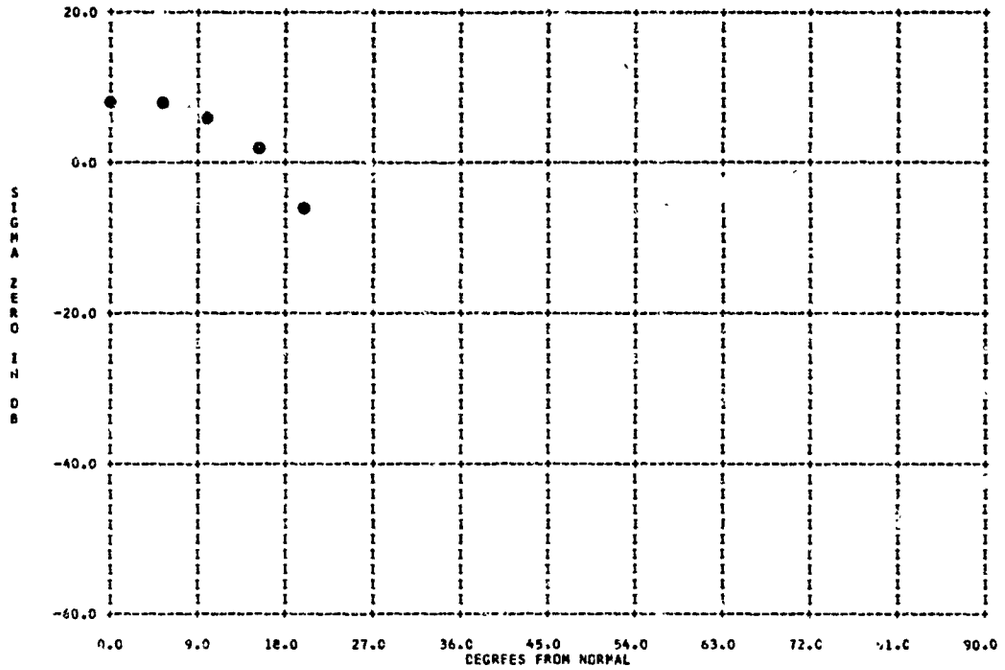
PARAMETER INFORMATION
BAND= S FREQ= .4150 GC POL= VV LAT= 33N LONG= 116W
DATE= 15 11 5. RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-017 LAKE WITH SWELLS AND RIPPLES OF FIFTEEN TO TWENTY INCHES

TERRAIN TYPE 3123 2

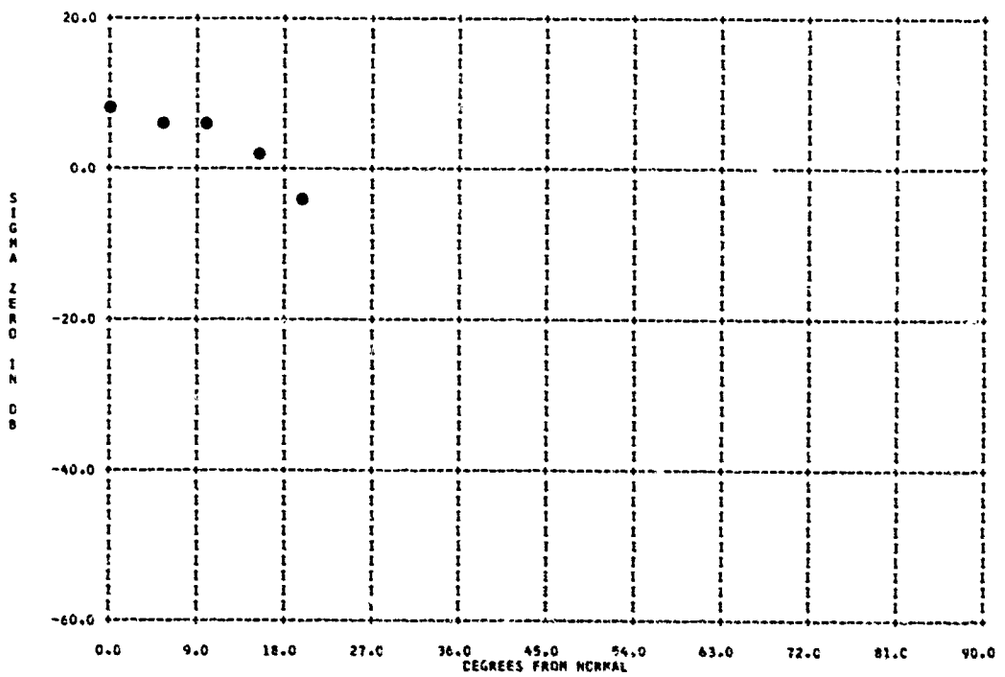
PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 47N LONG= 095W
DATE= 26 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-018 LAKE WITH SWELLS AND RIPPLES OF FIFTEEN TO TWENTY INCHES

TERRAIN TYPE 3123 2

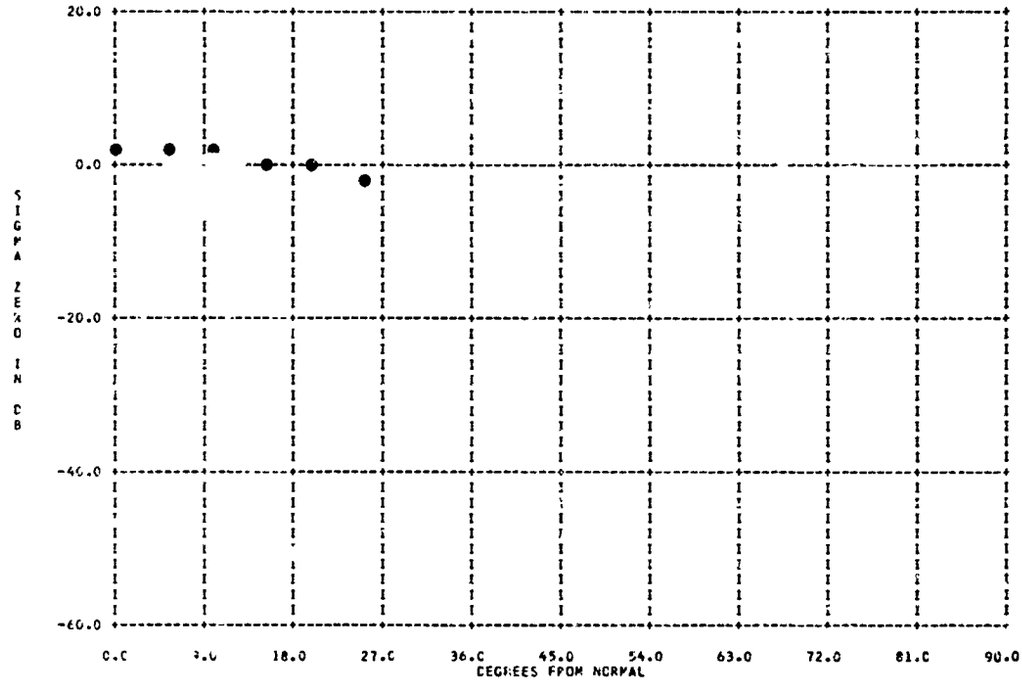
PARAMETER INFORMATION
BAND= L FREQ= .4190 GC POL= VV LAT= 47N LONG= 095W
DATE= 26 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-003 FOREST OF EVERGREEN FIR AND PINE TREES

TERRAIN TYPE 3134 4 241

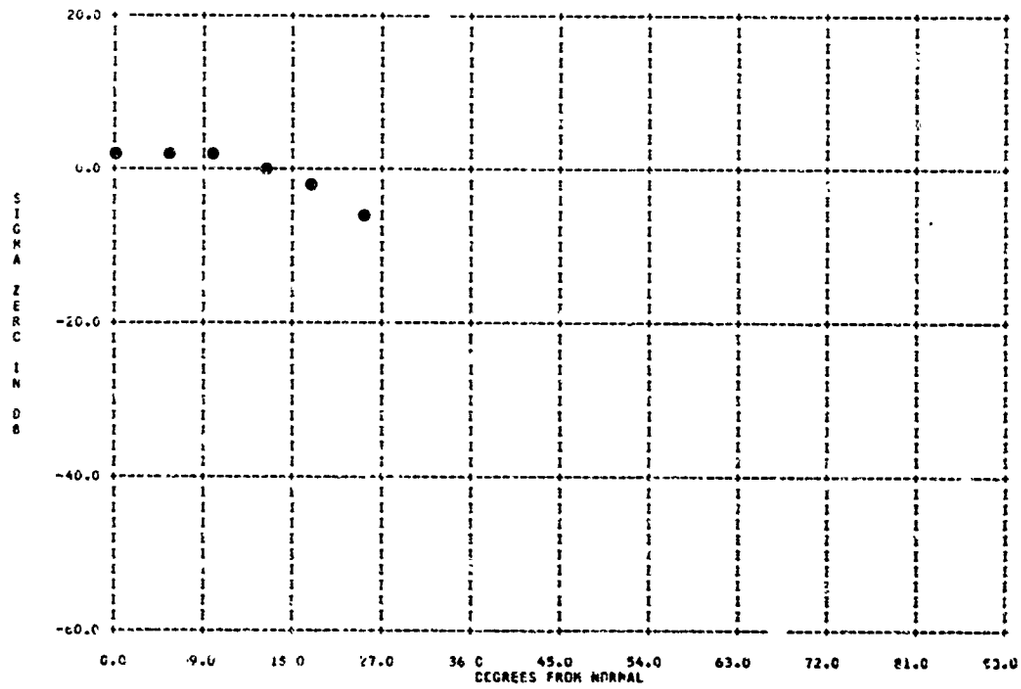
PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 47N LONG= 068W
DATE= 21 03 55 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-004 FOREST OF EVERGREEN FIR AND PINE TREES

TERRAIN TYPE 3134 4 241

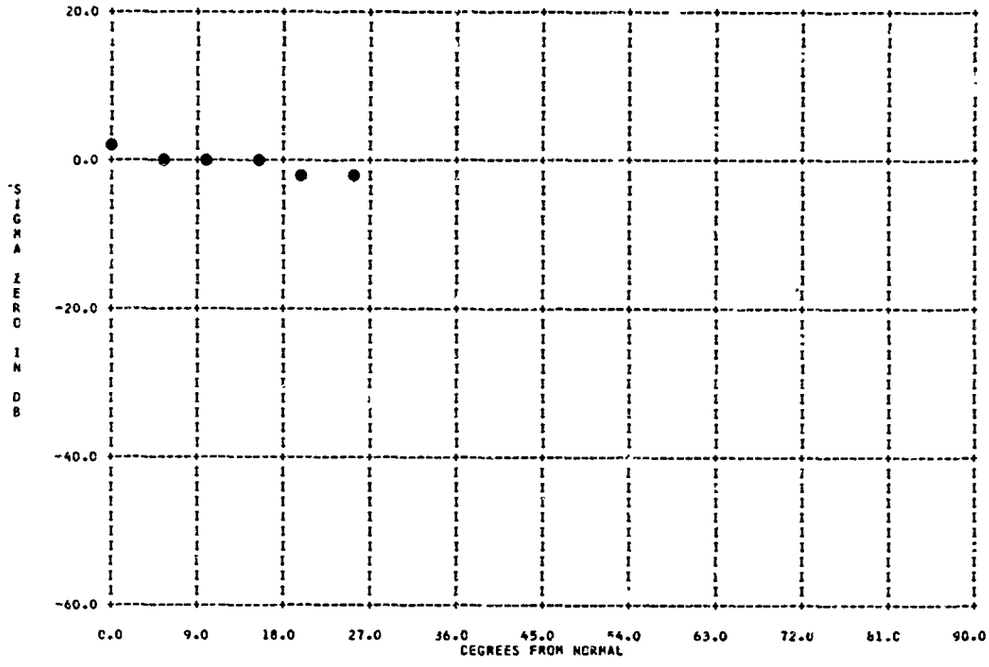
PARAMETER INFORMATION
BAND= X FREQ= 9.4150 GC POL= VV LAT= 47N LONG= 068W
DATE= 22 04 55 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-001 FOREST OF PINE, HEMLOCK, BIRCH, WHITE ASH, AND ELM TREES

TERRAIN TYPE 313491 1 1

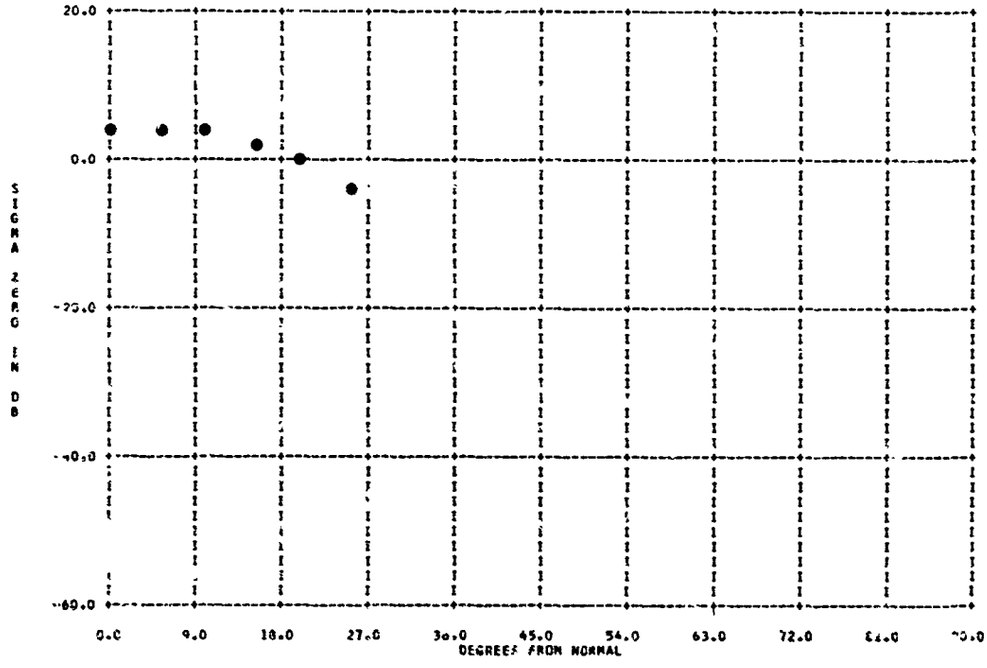
PARAMETER INFORMATION
BAND= S FREQ= 3.8CCC GC POL= VV LAT= 44N LONG= 093W
DATE= 07 08 64 RADAR TYPE= APC BEAMWIDTH= 45.CO DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-002 FOREST OF PINE, HEMLOCK, BIRCH, WHITE ASH, AND ELM TREES

TERRAIN TYPE 313491 1 1

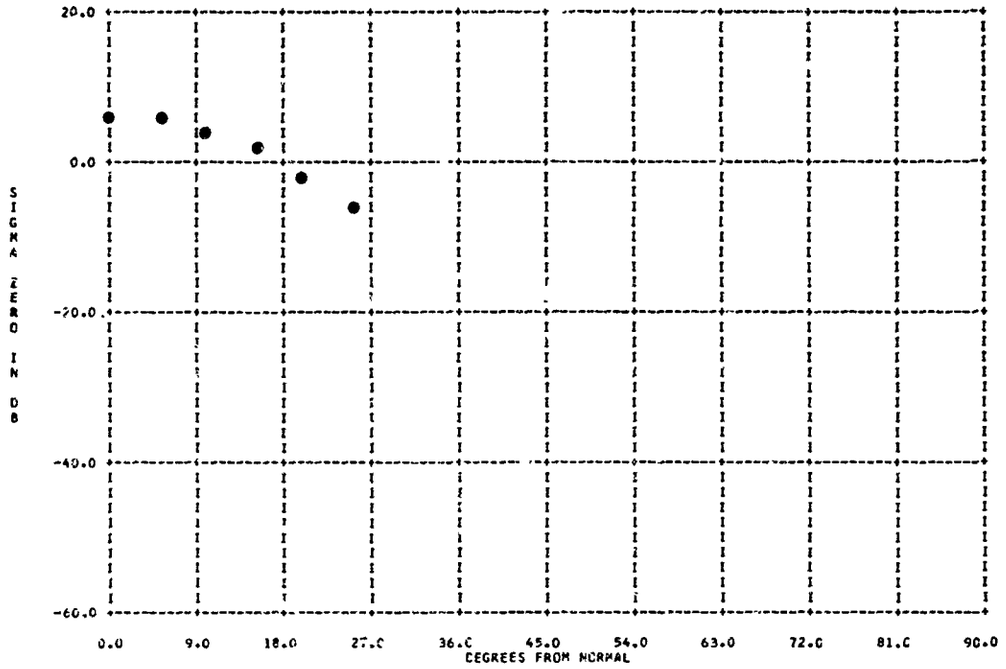
PARAMETER INFORMATION
BAND= L FREQ= .4150 GC POL= VV LAT= 44N LONG= 093W
DATE= C6 08 64 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-005 FLAT CROP LAND COVERED BY EIGHT INCHES OF SNOW

TERRAIN TYPE 3135 3 141

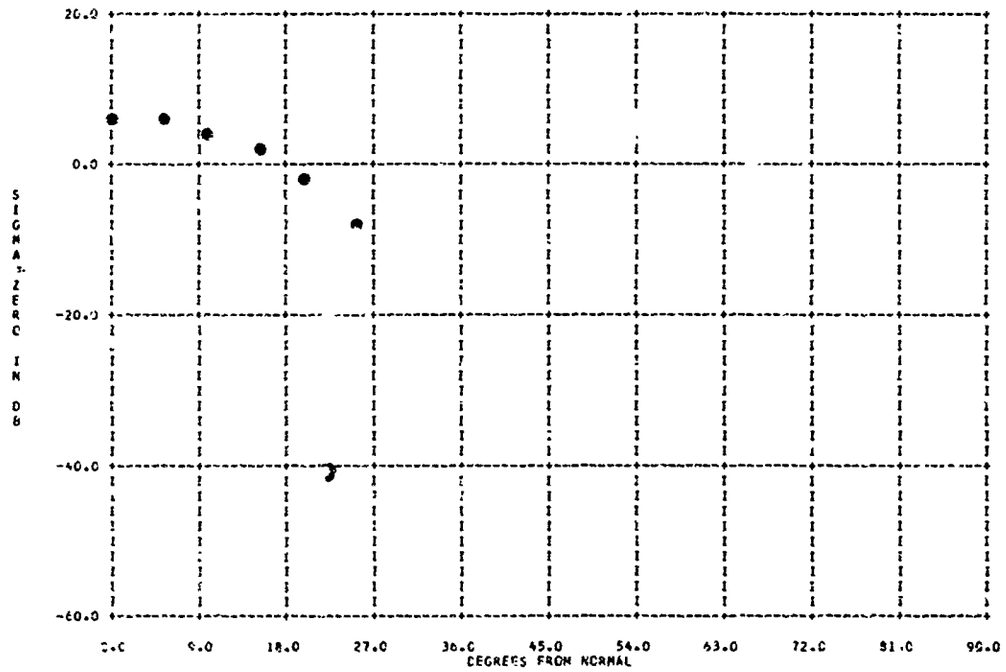
PARAMETER INFORMATION
BAND= S FREQ= 3.6000 GC POL= VV LAT= 46N LONG= 097W
DATE= 27 01 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



203597-006 FLAT CROP LAND COVERED BY EIGHT INCHES OF SNOW

TERRAIN TYPE 3135 3 141

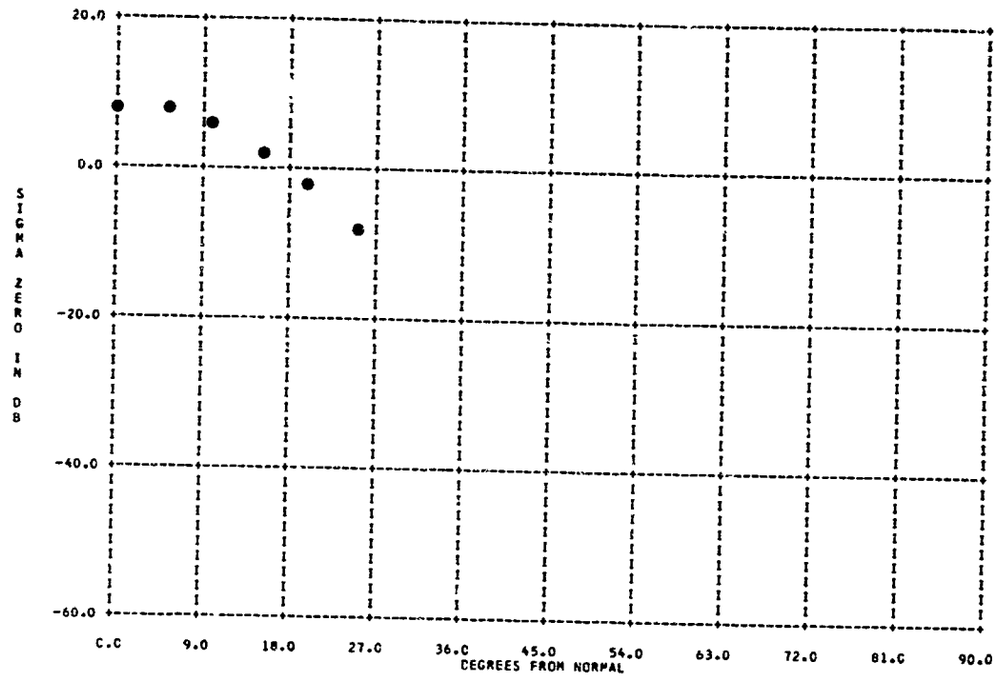
PARAMETER INFORMATION
BAND= L FREQ= .4150 GC POL= VV LAT= 46N LONG= 097W
DATE= 27 01 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-007 FLAT PASTURE AND CROP LAND CONTAINING A SINGLE LINE RAILROAD

TERRAIN TYPE 3135 4 1 1

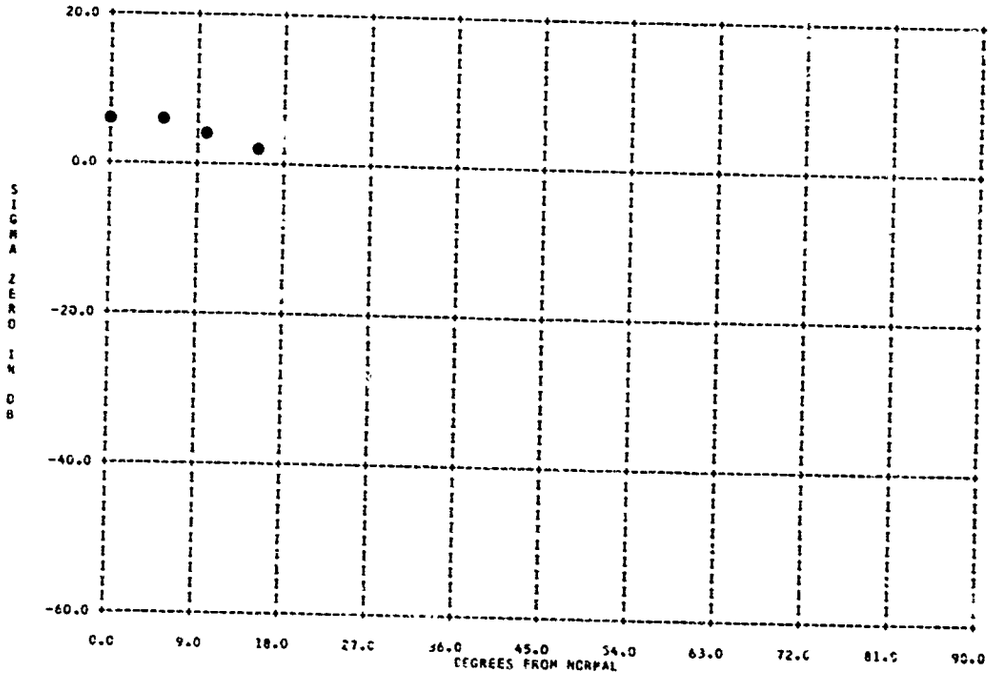
PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 40N LONG= 094W
DATE= 28 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-008 FLAT PASTURE AND CROP LAND CONTAINING A SINGLE LINE RAILROAD

TERRAIN TYPE 3135 4 1 1

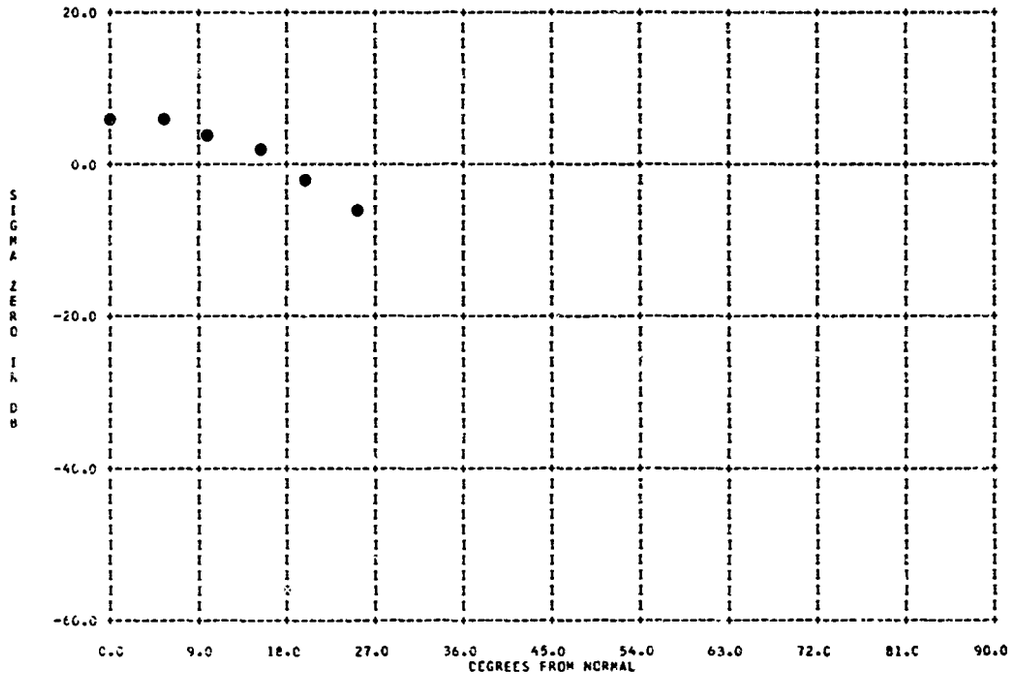
PARAMETER INFORMATION
BAND= L FREQ= .4150 GC POL= VV LAT= 40N LONG= 094W
DATE= 28 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0M
AREA= AVERAGING= 4 VARIANCE=



803597-009 FLAT CROP LAND THAT HAD RECENTLY BEEN PLOWED

TERRAIN TYPE 3135 4 1 1

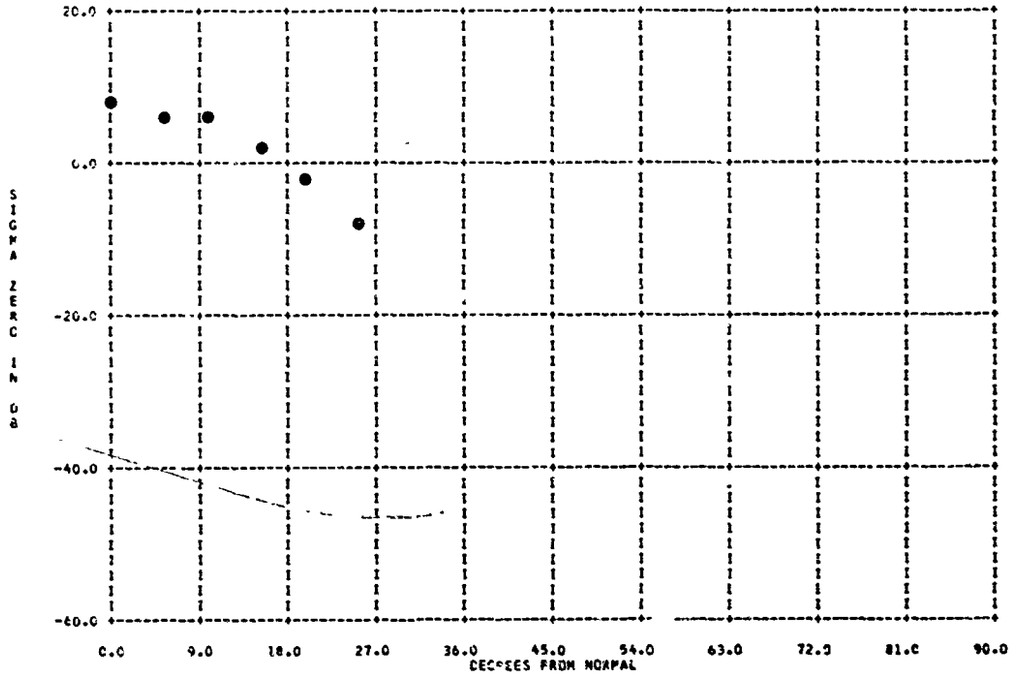
PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 42N LONG= 096W
DATE= 27 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-010 FLAT CROP LAND THAT HAD RECENTLY BEEN PLOWED

TERRAIN TYPE 3135 4 1 1

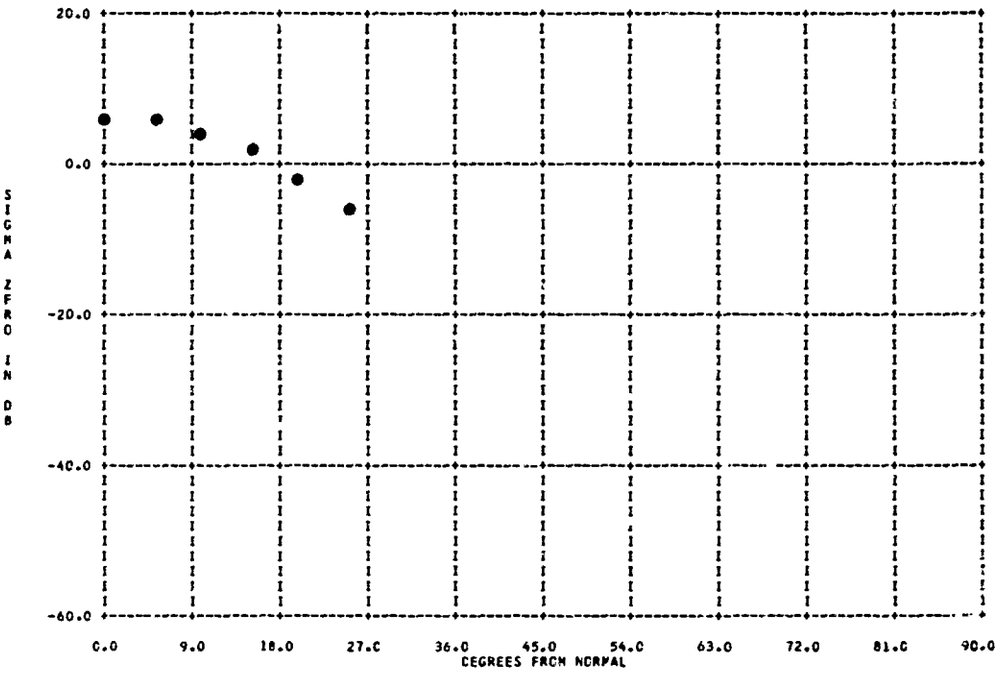
PARAMETER INFORMATION
BAND= L FREQ= .4150 GC POL= VV LAT= 42N LONG= 096W
DATE= 27 05 54 RADAR TYPE= APC BEAMWIDTH= 45.00 DEG RANGE= 7.0K
AREA= AVERAGING= 4 VARIANCE=



803597-021 DESERT AREA

TERRAIN TYPE 3137 2 1

PARAMETER INFORMATION
BAND= S FREQ= 3.8000 GC POL= VV LAT= 33N LONG= 116
DATE= 03 11 53 RADAR TYPE= APC BEAMWIDTH= 38.00 DEG RANGE= 7.0
AREA= AVERAGING= 4 VARIANCE=



803597-022 DESERT AREA

TERRAIN TYPE 3137 2 1

PARAMETER INFORMATION
BAND= L FREQ= .4150 GC POL= VV LAT= 33N LONG= 116
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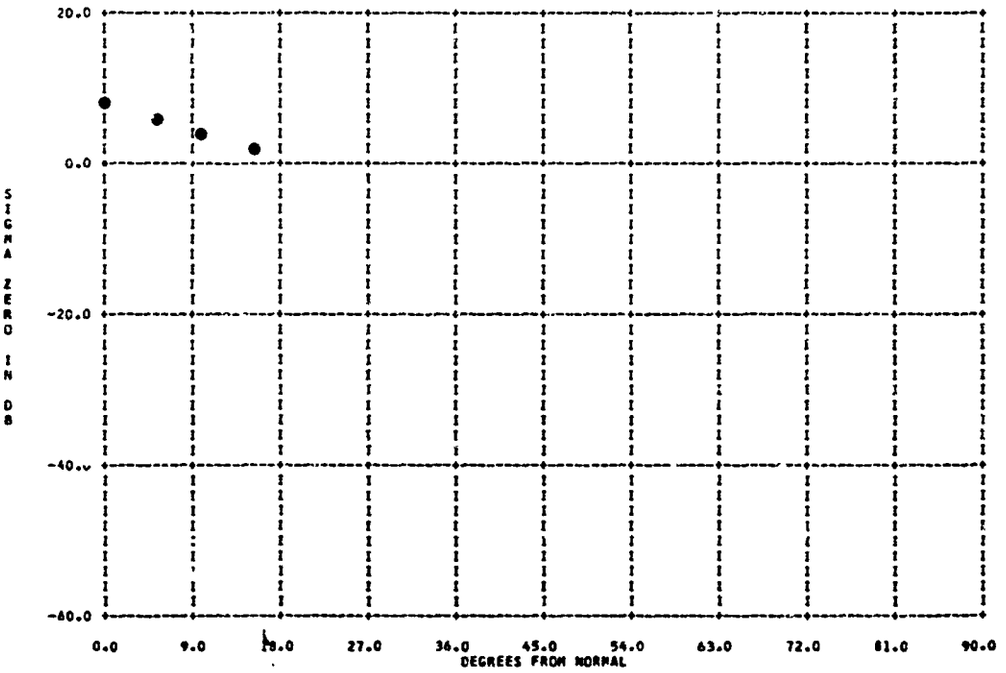

803597-011 METAL ROOFED FACTORY BUILDINGS WITH A RAILROAD YARD AT ONE EDGE

TERRAIN TYPE 3201 1 1 1

PARAMETER INFORMATION
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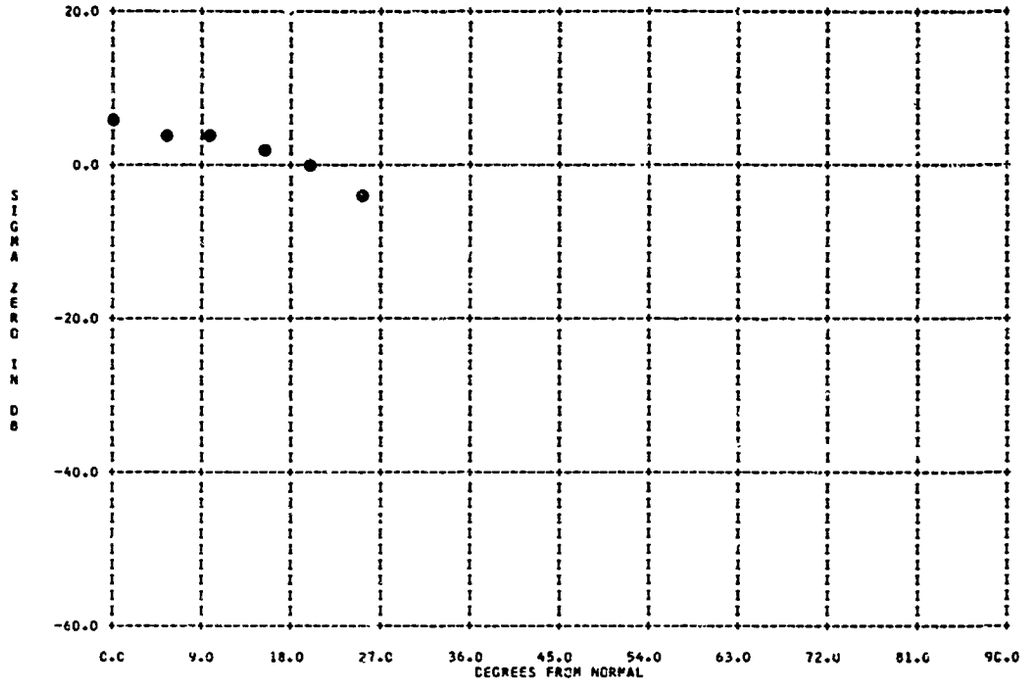

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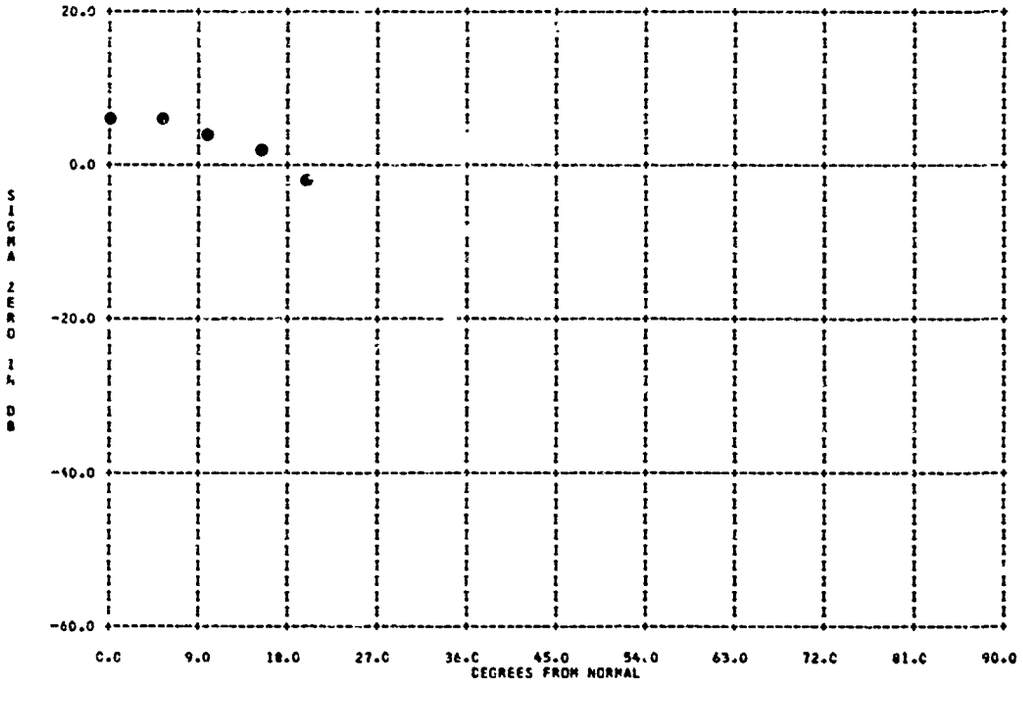

803597-013 ONE AND TWO STORY BRICK AND FRAME HOMES WITH MANY TREES

TERRAIN TYPE 3202 1 1 1

PARAMETER INFORMATION
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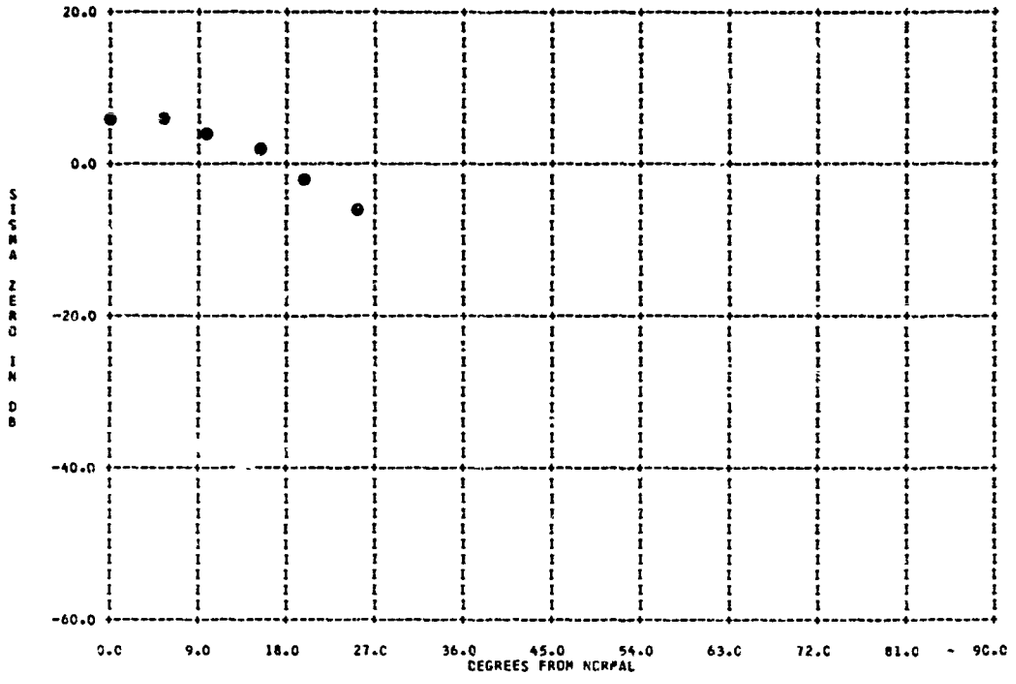

803597-014 ONE AND TWO STORY BRICK AND FRAME HOMES WITH MANY TREES

TERRAIN TYPE 3202 1 1 1

PARAMETER INFORMATION
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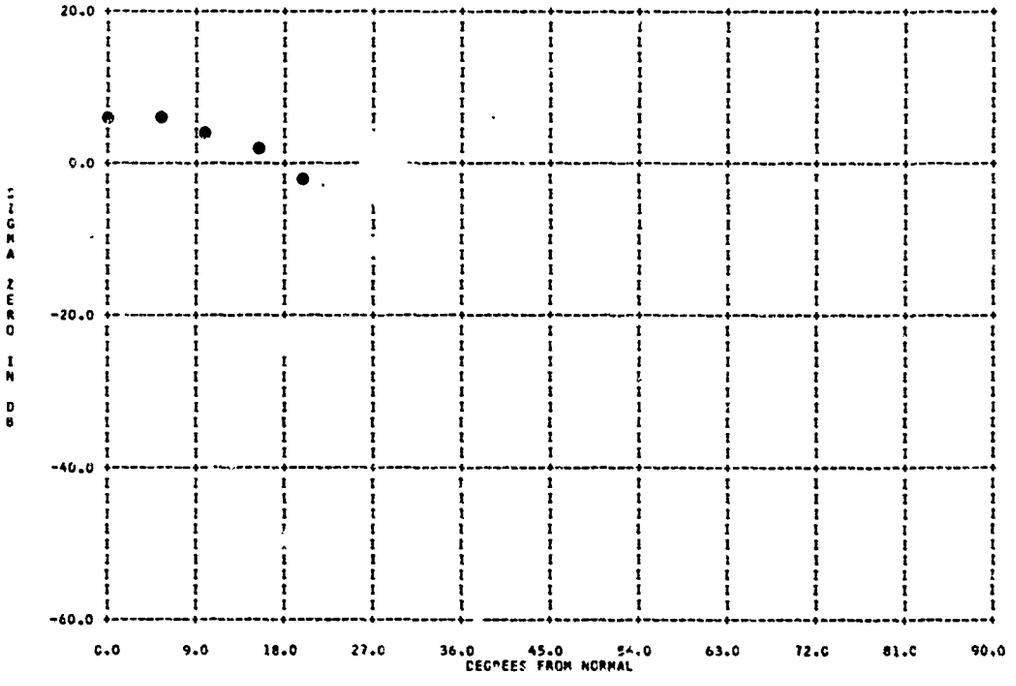

803597-015 APARTMENT BUILDINGS

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PARAMETER INFORMATION
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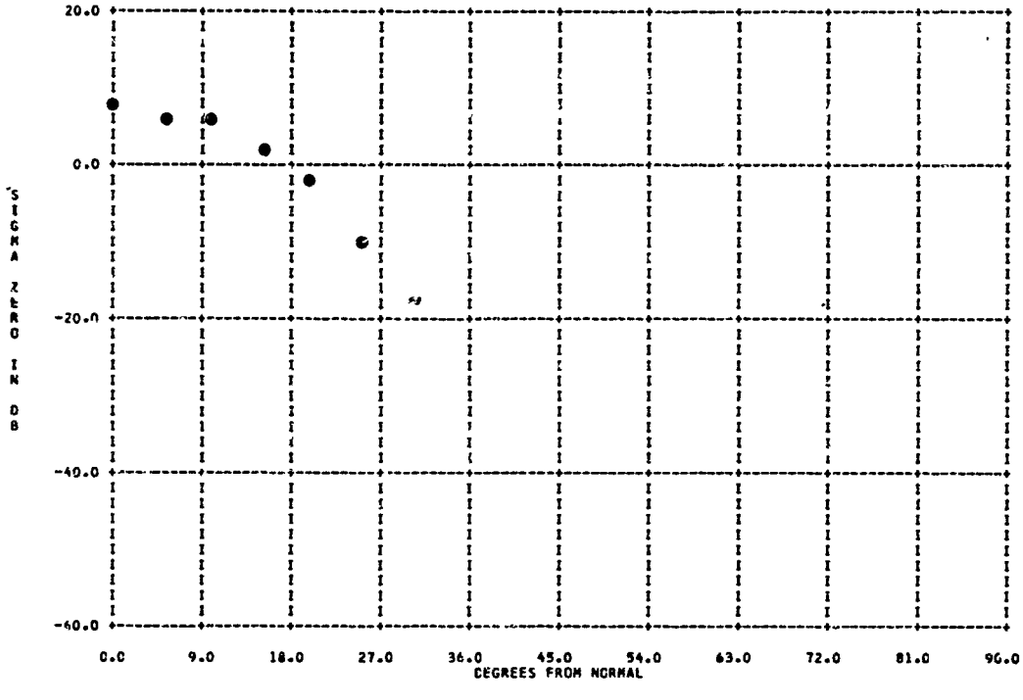

803597-016 APARTMENT BUILDINGS

TERRAIN TYPE 3202 4 1

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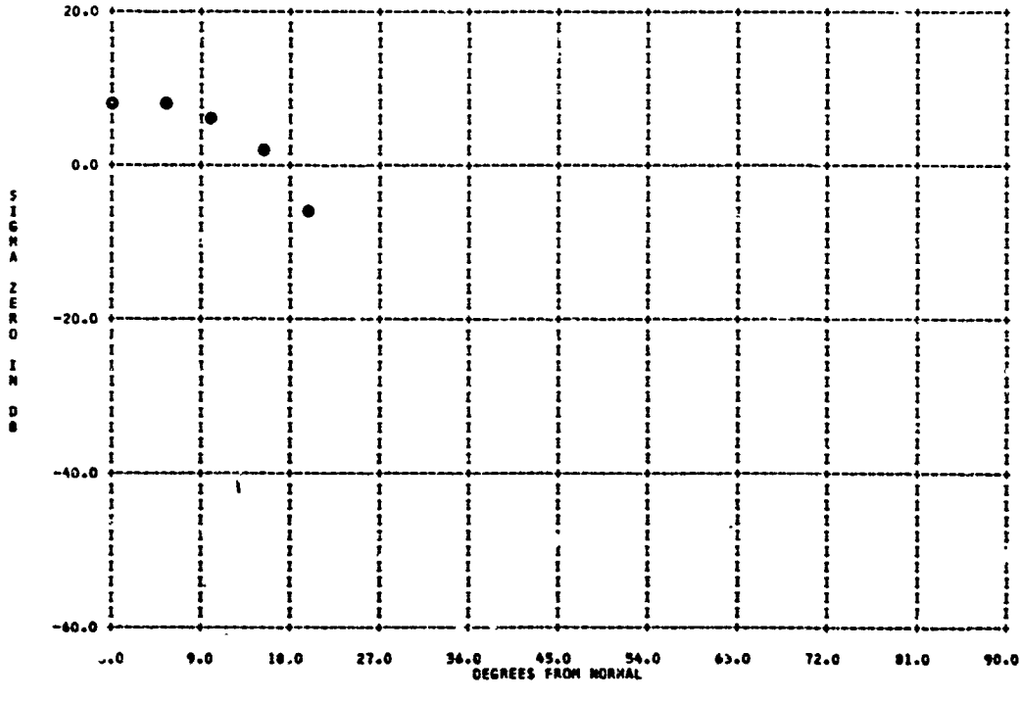

6
PASSIVE MICROWAVE DATA

6.1. INTRODUCTION

The passive microwave data in this compilation are apparent temperatures (antenna or target) as a function of aspect or depression angle. These data are processed in a manner similar to that used for the optical data in section 4, i.e., each curve is digitized and assigned subject codes (table I), and the parameter information describing the experimental conditions (see table VI) is listed. However, the system used to process the microwave data is actually an expanded version of that used with the optical data. It has been designed to handle not only passive microwave data, but also, eventually, both directional and bidirectional reflectance data. Thus, many of the parameters defined in table VI do not apply to the data now in this section, but were included for future data accessions.

There is also a major difference in printed-out format between the curve headers for the optical data and those for the microwave data in this section. For the optical data, all the parameter designations are printed as part of each header whether or not there is specific information on the parameter. For the microwave data, only those parameters for which there are specific entries will appear; parameters that are not applicable or not specified are not included.

The data in section 6.2 are arranged by subject codes and alphabetically cross-indexed in section 3.

TABLE VI. GENERALIZED (PASSIVE MICROWAVE) DATA PARAMETERS

TIME

MONTH	Month of measurement
DAY	Day of measurement
YEAR	Year of measurement
TIME	Time of measurement (24-hour clock), Greenwich Standard Time (GMT)

TARGET

LAT	Latitude (degrees) of measurement (field measurement) or of location at which specimen was collected (laboratory measurement)
LATNS	Latitude, North (N) or South (S)
LONG	Longitude (degrees) of measurement or of location at which specimen was collected, as with LAT
LONG EW	Longitude, East (E) or West (W)
TARALT	Altitude of target above ground (kilometers)
TARZEN	Zenith angle (degrees) of target normal with respect to vertical.
TARAZ	Azimuth angle (degrees) of target normal with respect to a $\phi = 0$ reference line defined for a given target
TARUNF	Surface uniformity coded as UNIFRM (uniform) or NONUNF (nonuniform)
TAROPQ	Target opaqueness coded as OPAQUE (opaque), TRANSP (transparent), or TRANSL (translucent)
TARTEM	Target temperature (^{O}K)
TH2OES	Qualitative estimate of free water content coded as DRY, DAMP, or WET
TH2OME	Quantitative measure (percent) of free water content; W indicates percentage by weight, V percentage by volume
HRSREM	Number of hours sample has been removed from its natural environment
TARCS1	Target coating or substrate 1 coded using up to a five-letter code from the Target Signature Subject-Code List (table I) preceded by a C (coating) or S (substrate)
TARCS2	Target coating or substrate 2 (see TARSC1)
TARCON	Target contaminant coded using up to a six-letter subject code from table I
TARSRD	Availability of data on the target's surface roughness, coded by AVAIL
TARDC	Availability of the target's dielectric constant by coded DC; its index of refraction, coded by N; or both, coded by BOTH
TARINF	Availability of other descriptive information about the target, coded by AVAIL

BACKGROUND

Note: These parameters are applicable only for experiments in which the receiver's field of view is larger than the target under observation, and, thus, background as well as target radiation contributes to the observed signal.

BKGTYP	Predominate background type coded using up to a six-letter subject code from table I
BKGUNF	Background uniformity (see TARUNF)
BKGOPQ	Background opaqueness (see TAROPQ)
BKGTEM	Background temperature (see TARTEM)
BH2OES	Qualitative estimate of free water content (see TH2OES)
BH2OME	Quantitative measure of free water content (see TH2OME)
BKGCS1	Background coating or substrate 1 (see TARCS1)
BKGCS2	Background coating or substrate 2 (see TARCS2)
BKGCON	Background contaminant (see TARCON)
BKGSRD	Availability of data on the background's surface roughness (see TARSRD)

TABLE VI. GENERALIZED (PASSIVE MICROWAVE) DATA PARAMETERS (Continued)

BKGDCN	Availability of the backgrounds dielectric constant, index of refraction, or both (see TARDCN)
BKGINF	Availability of other descriptive information about the background (see TARINF)

METEOROLOGY

Note: These parameters are applicable to field experiments only.

AIRTEM	Ambient or air temperature (^{o}K)
BARPRS	Barometric pressure (millibars)
RELHUM	Relative humidity
VISBIL	Visibility (kilometers)
WINDSP	Wind speed (miles per hour)
WINDIR	Wind direction (N, NNE, NE, ENE, etc.)
OBST	Obstructions in the air preventing a clear view of the target, coded as NONE, FOG, DRIZZL, RAIN, SNOW, HAZE, SMOKE, DUST, or OTHER
PRAMT	Ground accumulation of precipitation in the preceding 24-hour period (centimeters)
CLDCOV	Total cloud cover (percent)

SOURCE

Note: These parameters are not applicable to passive-microwave measurement systems.

SORTYP	Type of source coded using table I
SGAMMA	The real part of the coherence function of the source, i.e., the visibility function or $\lvert\gamma_o\rvert$
SORPOL	Type of source polarization coded using table I
SORDP	Degree of polarization at the source (percent)
ZENINC	Zenith angle of incidence (degrees)
AZINC	Azimuth angle of incidence (degrees)
SRANGE	Range (distance) from source to target (kilometers)
SORINF	Availability of other descriptive information about the source, coded by AVAIL

RECEIVER

MINST	Measuring instrument coded using table I
ROMEGA	Mean reflected solid angle (steradians)
RRANGE	Range from target to receiver (kilometers)
ZENOBS	Zenith angle of observation (degrees)
AZOBS	Azimuth angle of observation (degrees)
RECPOL	Type of receiver polarization coded using table I
LAMDA	Operating center wavelength λ_c (centimeters)
IFBAND	Intermediate frequency bandwidth or spectral resolution expressed as $\Delta\lambda/\lambda_c$
TIMEC	Time constant for integration time of the receiver (seconds)
INSENS	Availability of data on instrument sensitivity, coded by AVAIL
SYSACC	System accuracy expressed in units of the dependent variable
ANT3DB	3-db antenna beamwidth (degrees)
AVESLL	Average side-lobe level of the antenna (decibels)
RECINF	Availability of other descriptive information about the receiver, coded by AVAIL

TABLE VI. GENERALIZED (PASSIVE MICROWAVE) DATA PARAMETERS (Concluded)

GENERAL

PLATF	Experimental platform coded using table I
REL	Dependent variable is relative to some standard
*ABS	Dependent variable is absolute
STAND	Standard used coded using table I
NAVE	Number of curves or measurements averaged to make up this curve.

*If ABS (absolute) appears along with an entry for STAND (standard), the measurement was originally done on a relative basis using the indicated standard and later converted to absolute values.

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	(5) ATTN: AVRO (Mr Christianson)
	(6) ATTN: AVPO (Mr. Woodard)
	(7) ATTN: AVRO (Mr. Schreiber)
	(8) ATTN: AVRO (Mr. Schoonover)
	(9) ATTN: AVTL (Mr. Fitzgibbon)
	(10) ATTN: AVRP (Mr. Berg)
	(11) ATTN: AVRP (Mr. Fiedel)
	(12) ATTN: AVRS (Recon Central)
	(13-22) ATTN: AVRS (Mr Wernicke)
	(23) ATTN: AVN
	(24-28) ATTN: AVNT (Mr Kettering)
	(29) ATTN: AVNS
	(30) ATTN: AVNE (Mr. S. Young)
	(31) ATTN: AVWS (Mr. Helgeson)
	(32) ATTN: AVWW (Mr. Linton)
	(33) ATTN: AVWW (Lt. Edmonds)
34-44	Systems Engineering Group Wright-Patterson Air Force Base Ohio 45433
	(34) ATTN: SEAFC (Mr. Muhleman)
	(35) ATTN: SEAFF
	(36) ATTN: SEAG
	(37) ATTN: SEPI
	(38) ATTN: SEPIR
	(39) ATTN: SEQDD (Mr. Palazzo)
	(40) ATTN: SEQDP (Mr. Rosch)
	(41) ATTN: SEQS
	(42) ATTN: SEQSR (Mr. Tipton)
	(43) ATTN: SESS
	(44) ATTN: SESSC (Mr. Don Beam)
45-54	Aeronautical Systems Division Wright-Patterson Air Force Base Ohio 45433
	(45) ATTN: ASBA (Mr. H. L. Williams)
	(46) ATTN: ASFE-1
	(47) ATTN: ASJ
	(48) ATTN: ASRM
	(49) ATTN: ASRJ
	(50) ATTN: ASRS (Mr. Yackowski)
	(51) ATTN: AST
	(52) ATTN: ASTDP (Mr. K. J. Jones)
	(53) ATTN: ASWV
	(54) ATTN: ASZX
55	Air Force Flight Dynamics Laboratory Wright-Patterson Air Force Base Ohio 45433
	ATTN: FDCL (Mr. Polishuk)
56	Air Force Aero Propulsion Laboratory Wright-Patterson Air Force Base Ohio 45433
	ATTN: APFG (Mr. Foraker)
57-59	U S. Army Engineer GIMRADA Wright-Patterson Air Force Base Ohio 45433
	ATTN: MCLAEB (Mr Quick)
60-81 183-225	Defense Documentation Center Cameron Station Alexandria, Virginia 22314
82-86	Headquarters, United States Air Force Washington, D. C. 20330
	(82) ATTN: AFOOP-SA
	(83) ATTN: AFRDDA
	(84) ATTN: AFRDQ
	(85) ATTN: AFRSTB
	(86) ATTN: AFXOAI (Air Battle Analysis Center)
87-88	Air Force Systems Command Andrews Air Force Base Washington, D. C. 20331
	(87) ATTN: SCTR
	(88) ATTN: SCSRR
89	Research & Technology Division (RTTR) Bolling Air Force Base Washington, D. C. 20332
90-91	Air Force Armament Laboratory Eglin Air Force Base Florida 32542
	(90) ATTN: ATWD (Mr. Petrides)
	(91) ATTN: ATTR (Mr. Long)
92-93	Rome Air Development Center (EMIRC) Griffiss Air Force Base New York 13442
94	Rome Air Development Center (EMIAP) Griffiss Air Force Base New York 13442
95	Air Force Missile Development Center (MDC) Holloman Air Force Base New Mexico 88330
96-97	Air Force Weapons Laboratory (WLA) Kirtland Air Force Base New Mexico 87117
98-102	Air Force Cambridge Research Laboratories Laurence G Hanscom Field Bedford, Massachusetts 01730
	(98) ATTN: CRJT
	(99) ATTN: CROA (Dr. Fenn)
	(100) ATTN: CRFL (Dr. Salisbury)
	(101) ATTN: CRD (C. J. Sletten)
	(102) ATTN: CRWG (Dr. Shepherd)
103-104	Headquarters Tactical Air Command (DORQ) Langley Air Force Base Virginia 23365
105	Tactical Air Reconnaissance Center (DR) Shaw Air Force Base South Carolina 29152
106	Tactical Air Warfare Center Eglin Air Force Base Florida 32542
107-109	Headquarters Strategic Air Command Offutt Air Force Base Nebraska 68113
	(107) ATTN: DILP
	(108) ATTN: DCDR
	(109) ATTN: DPLR
110	Ballistic Systems Division (BSRGA) Norton Air Force Base California 92409
111	Space Systems Division (SSTR) Air Force Unit Post Office Los Angeles, California 90045
112	Electronic Systems Division (ESTI) Laurence G. Hanscom Field Bedford, Massachusetts 01731
113	Air University Library Maxwell Air Force Base Alabama 36112
114	Commanding General USA Engineer Research & Development Laboratory Combat Research Branch Fort Belvoir, Virginia 22060
	ATTN: Mr. Harry Hopkins

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115	Commanding General US Army Engineer Research and Development Laboratory Night Vision Laboratory Fort Belvoir, Virginia 22060 ATTN: Mr. Cooper
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117	Mobility Division Materials Directorate (CDCMR-O) USA Combat Development Command Fort Belvoir, Virginia 22060
118	Directorate of Research & Development Mobility Branch Development Division (AMCRD-DM-E) USA Materiel Command Washington, D. C. 20315
119-125	Commanding General U. S. Army Electronics Command & Laboratories Fort Monmouth, New Jersey 07703 (119) ATTN: AMSEL-HR (120) ATTN: AMSEL-HL-P (121) ATTN: AMSEL-HL-L (122) ATTN: AMSEL-HL-CT-I (Mr. Zarin) (123) ATTN: AMSEL-HL-CT-R (124) ATTN: AMSEL-HL-CT-I (Mr. Hutson) (125) ATTN: AMSEL-HL-CT-P (Dr. McAfee)
126	Frankford Arsenal Philadelphia, Pa. 19137 ATTN: Mr. C. Kerensky, N4100
127	Ballistics Research Laboratory (AMXBR-BC) Aberdeen Proving Ground Maryland 21005 ATTN: Capt Wood
128	U. S Army Personnel Research Office Tempo A, 2nd & T St., S. E. Washington, D. C. 20315 ATTN: Dr. Joseph Zeidner
129	Headquarters Dept. of the Army (ACSI-DSRS) Washington, D. C. 20330 ATTN: Mr. Harold Block
130	U. S. Army Combat Developments Command Intelligence Agency Ft. Holabird Maryland 21219 ATTN: CACAI-M
131	Commander, Naval Air Systems Command Code AIR-604 Washington, D. C. 20360
132	Chief Bureau of Naval Weapons (DLI-3) Navy Department Washington, D. C. 20360
133	U. S. Naval Ordnance Test Station Aviation Ordnance Department (Code 352) China Lake, California 93557 ATTN: Lawrence W. Nichols
134	U. S. Naval Ordnance Test Station Aviation Ordnance Department (Code 3533) China Lake, California 93557 ATTN: Mr. Driver
135	U. S. Naval Missile Center Astronautics Directorate Advanced Programs Department Pt. Mugu, California 93041 ATTN: Lt. Cdr. Keeney

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136	Director U. S. Naval Research Laboratory Washington, D. C. 20390 ATTN: Mr. L. E. Triggs, Code 5432B
137	Commander, Naval Air Systems Command Code 5531D/Mr. J. Swanson Washington, D. C. 20360
138	Department of Navy, BUWEPS Washington Navy Yard (FFRD-5) Washington, D. C. 20360 ATTN: Mr. J. Swanson
139	Chief of Naval Operations, OP-92B4 Navy Department Washington, D. C. 20360 ATTN: Lt. Cdr. Sullivan
140	Naval Reconnaissance and Techaical Support Center 4301 Suitland Road Washington, D. C. 20390 ATTN: Mr. Page Truesdell
141	Headquarters U. S. Marine Corps, G-2 Division (A02D) Room 2117, Navy Annex Washington, D. C. 20380 ATTN: Major Standley
142	Defense Intelligence Agency-XX4, Lt. Col. Charles Hoy Washington, D. C. 20330 ATTN: Mr. Arthur Little
143	Defense Intelligence Agency (DIAAP-1P5) Washington, D C. 20301 ATTN: Mr. V. H. Merson
144-145	Advanced Research Projects Agency Washington, D. C. 20301 (144) ATTN: Major Dickinson (145) ATTN: Lt. Col. Akerland
146	National Bureau of Standards Gaithersburg, Maryland ATTN: Mr. Weidner
147	Central Intelligence Agency 2430 E. Street N. W. Washington, D. C. 20037
148	Institute for Defense Analyses 400 Army Navy Drive Arlington, Virginia 22202 ATTN: Lucien Biberman
149	Thermophysical Properties Research Center Purdue University, Research Park 2595 Yeager Road Lafayette, Indiana 47906
150	Remote Area Conflict Information Center Battelle Memorial Institute 505 King Avenue Columbus, Ohio 43200
151	Arms Control & Disarmament Agency Room 1891, New State Building 21st & Virginia Ave, N. W. Washington, D. C. 20451 ATTN: Mr. Charles Gellner
152	Air Force Systems Command, STLO U. S. Naval Air Development Center Johnsville, Pa. 18974
153-155	NASA Scientific & Technical Information Facility P. O. Box 33 College Park, Maryland 20740 ATTN: Acquisitions Branch (S-AK-DL)

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156	Air Force Systems Command, STLO (RTSSM/Lt. Col Andrews, Actg) NASA Manned Spacecraft Center Houston, Texas 77017
157	Air Force Systems Command, STLO (RTSRA) Building 314 Aberdeen Proving Ground, Maryland 21005
158	Air Force Systems Command, STLO (RTSAW) Department of Navy, Room 3543 Munitions Building Washington, D. C. 20360
159	Air Force Systems Command, STLO (RTSNR) Naval Research Laboratory Washington, D. C. 20390
160	Air Force Systems Command, STLO (RTSSL) Langley Research Center (NASA) Langley Air Force Base Virginia 23365
161	Air Force Systems Command, STLO (RTSNT) Naval Ordnance Station China Lake, California 93556
162	Director, USAF Project RAND Via: Air Force Liaison Office 1700 Main Street Santa Monica, California 90406
163	Defense Research Laboratory Military Physics Division P. O. Drawer 8029 Austin, Texas 78712
164	Texas Instruments, Inc. Geosciences Operations Dallas, Texas 75222 ATTN: Mr. Frank E. Kineman
165	Martin Company Sand Lake & Kirkman Roads Orlando, Florida 32805 ATTN: Mr. A. E. Williamson, MP200
166	Aerospace Corporation P. O. Box 95085 Los Angeles, California 90045 ATTN: D. A. Lacer
167	LTV Michigan Division LTV Aerospace Corporation Box 404 Warren, Michigan 48090
168	Cornell Aeronautical Laboratory, Inc. P. O. Box 235 Buffalo, New York 14221 ATTN: Mr. Paul Ruetling
169	Data Corporation 7500 Old Xenia Pike Dayton, Ohio 45432
170	Army Waterways Experimental Station Vicksburg, Mississippi 39180 ATTN: Mr. Davis
171	Commanding General U. S. Army Electronics Command and Laboratories Ft. Monmouth, New Jersey 07703 ATTN: AMSEL-KL-SM/Mr. Frank Brand
172	U. S. Army Detroit Arsenal Army Tank Automotive Command Warren, Michigan 48090 ATTN: Mr. David Wilburn, AMSTA-Z
173	U. S. Army Engineer Research & Development Laboratory OMEFB-MC/D. Gee Ft. Belvoir, Virginia 22060
174	U. S. Army Natick Laboratories C&OMD/A. Merola Natick, Massachusetts 01760
175	U. S. Army Missile Command AMSMI-RED/L. McClusky Redstone Arsenal, Alabama 35809
176	Chief, Willow Run Office Combat Surveillance and Target Acquisition Laboratory P. O. Box 618 Ann Arbor, Michigan 48107
177	Infrared Information & Analysis Center The University of Michigan P. O. Box 618 Ann Arbor, Michigan 48107
178-182	Institute of Science & Technology The University of Michigan P. O. Box 618 Ann Arbor, Michigan ATTN: Mr. H. Courtney

B04579-001 APPARENT ANTENNA TEMPERATURE OF EAST SKY FOR HORIZONTAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 13.5 GHZ.

SUBJECT CODES
BAB

PARAMETER INFORMATION

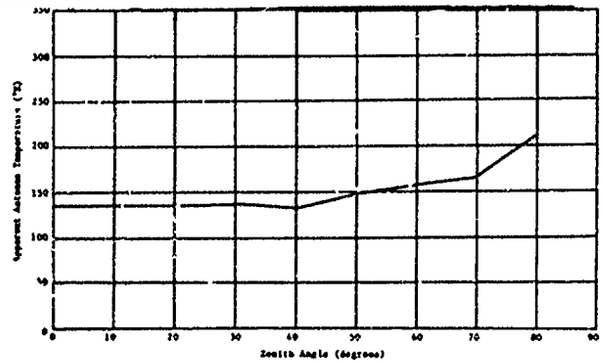
DATE = 5/ 7/65 TIME = 2345
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 277.4

AIRTEM= 277.4 BARPRS= 765.0 RELHUM= 62 OBST = NONE

MINST = CBBC

RECPCL= DCACA LAMBDA= .22E+01 IFBAND= .24E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 8.000
ANT3DB= 10.0 RECINF= AVAIL PLATF = CEC

RELABS= ABS



B04579-002 APPARENT ANTENNA TEMPERATURE OF EAST SKY FOR HORIZONTAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
BAB

PARAMETER INFORMATION

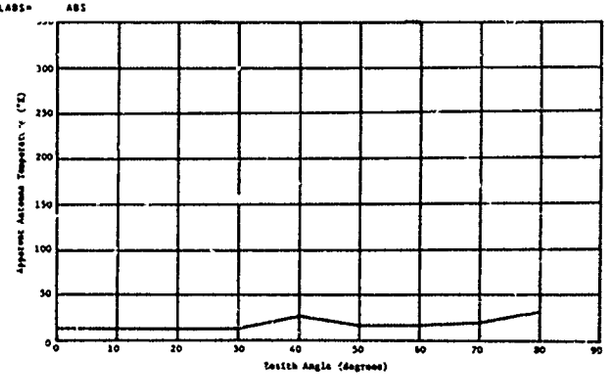
DATE = 5/ 7/65 TIME = 2345
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 277.4

AIRTEM= 277.4 BARPRS= 765.0 RELHUM= 62 OBST = NONE

MINST = CBBC

RECPCL= DCACA LAMBDA= .32E+00 IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



B04579-003 APPARENT ANTENNA TEMPERATURE OF THE SKY FOR HORIZONTAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
BAB

PARAMETER INFORMATION

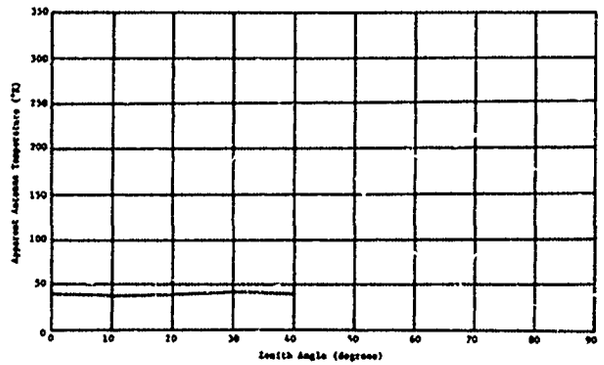
DATE = 5/11/65 TIME = 1706
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 283.0 TARINF= AVAIL

AIRTEM= 283.0 BARPRS= 765.0 RELHUM= 40 OBST = NONE

MINST = CBBC

RECPCL= DCACA LAMBDA= .81E+00 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 7.000
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



B04579-004 APPARANT ANTENNA TEMPERATURE OF THE SKY FOR HORIZONTAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
BAB

PARAMETER INFORMATION

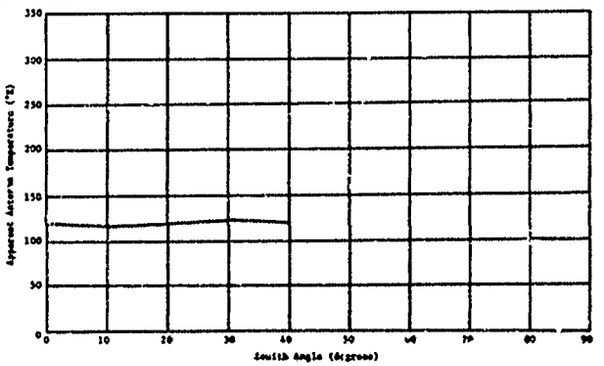
DATE = 5/11/65 TIME = 1706
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 283.0

AIRTEM= 283.0 BARPRS= 765.0 RELHUM= 40 OBST = NONE

MINST = CBBC

RECPCL= DCACA LAMBDA= .32E+00 IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-005 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.5 GHZ

SUBJECT CODES
EHEC

PARAMETER INFORMATION

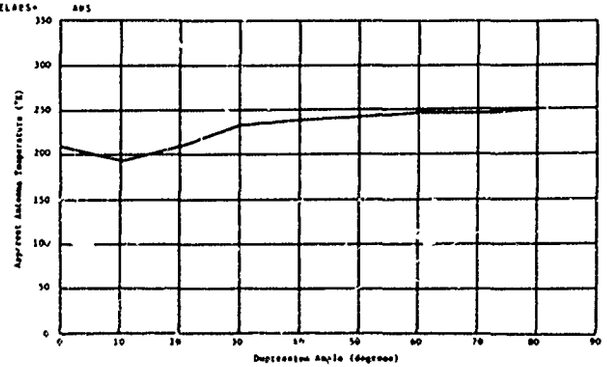
DATE = 5/11/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.0 TMZONE= 21 V TARCS1= SBFB
TARIAF= AVAIL

AIRTEM= 283.0 PARPRS= 765.0 RELHUM= 37 COST = NONE

SCRTYP= DLI PINST = CDBC

RECPCL= OCACA LAPRCA= .22E+01 IFBAND= .74E-03 TIMEC = .1CE+02 INSENS= AVAIL SYSACC= 2.000
ANTJCB= 12.. RECIAF= AVAIL PLATF = CEC

RELABS= ABS



804579-006 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
EHBC

PARAMETER INFORMATION

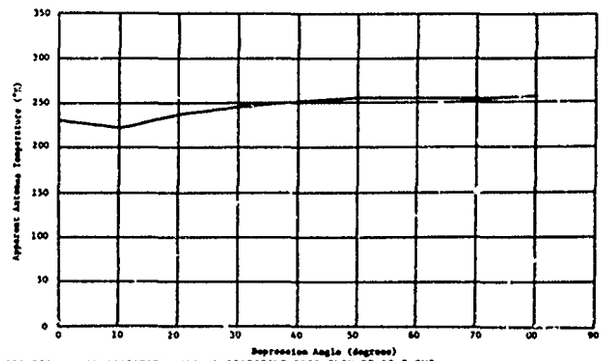
DATE = 5/11/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.0 TMZONE= 21 V TARCS1= SBFB
TARIAF= AVAIL

AIRTEM= 284.0 PARPRS= 765.0 RELHUM= 37 COST = NONE

SCRTYP= DLI PINST = CDBC

RECPCL= OCACA LAPRCA= .61E+CC IFBAN = .27F-03 TIMEC = .1CE+02 INSENS= AVAIL SYSACC= 2.000
ANTJCB= 7.5 RECIAF= AVAIL PLATF = CEC

RELABS= ABS



804579-007 APPARENT ANTENNA TE PERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
EHFC

PARAMETER INFORMATION

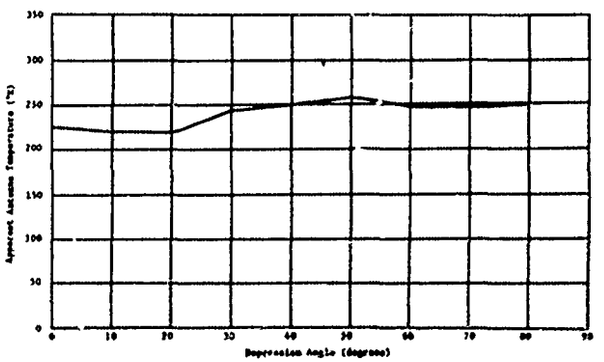
DATE = 5/11/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.0 TMZONE= 21 V TARCS1= SBFB
TARIAF= AVAIL

AIRTEM= 284.. PARPRS= 765.0 RELHUM= 37 COST = NONE

SCRTYP= DLI PINST = CDBC

RECPCL= OCACA LAPRCA= .22E+01 IFBAND= .32F+02 TIMEC = .1CE+02 INSENS= AVAIL ANTJCB= 6.0
RECIAF= AVAIL PLATF = CEC

RELABS= ABS



804579-008 POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA

SUBJECT CODES
EHBE

PARAMETER INFORMATION

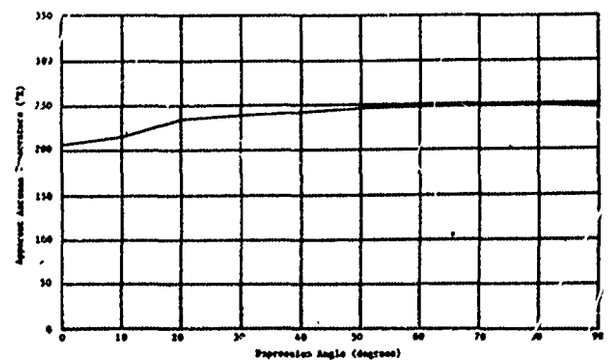
DATE = 5/11/65 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.3 TMZONE= 24 V TARCS1= SBFB
TARIAF= AVAIL

AIRTEM= 286.0 PARPRS= 765.0 RELHUM= 31 COST = NONE

SCRTYP= DLI PINST = CDBC

RECPCL= OCACA LAPRCA= .22E+01 IFBAND= .74E-03 TIMEC = .1CE+02 INSENS= AVAIL SYSACC= 2.000
ANTJCB= 10.7 RECIAF= AVAIL PLATF = CEC

RELABS= ABS



004579-009 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
BMBC

PARAMETER INFORMATION

DATE = 9/11/65 TIME = 224C
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 277.3 THZONE= 24 V TARCS1= SBFB
TARINF= AVAIL

AIRTEM= 286.C BARPRS= 765.C RELHUM= 37 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPRCA= .81E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.00
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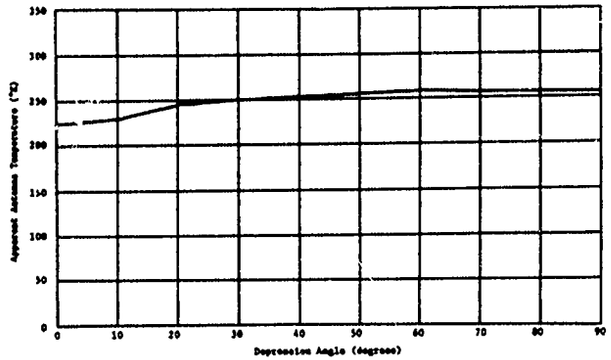
RELABS= ABS



004579-010 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ.

SUBJECT CODES
BMBC

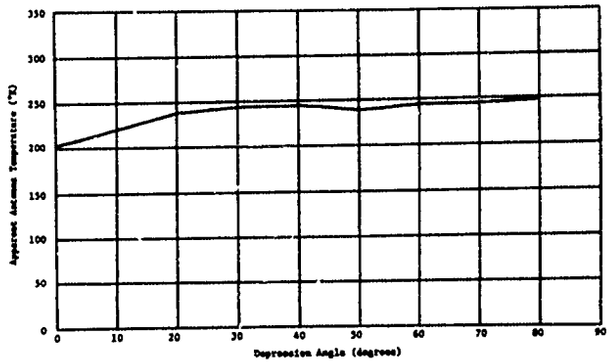
PARAMETER INFORMATION

DATE = 9 12'65 TIME = 2C
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEP= 272.8 TARCS1= SBFB TARINF= AVAIL
AIRTEM= 287.C BARPRS= 765.0 RELHUM= 19 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPRCA= .22E+C1 IFBAND= .74E-03 TIMEC = .1CE+C2 INSENS= AVAIL SYSACC= 2.000
ANTSCB= 10.C RECINF= AVAIL PLATF = CEC

RELABS= ABS



004579-011 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
BMBC

PARAMETER INFORMATI

DATE = 9/12/65 TIME = 2C
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 272.8 TARCS1= SBFB TARINF= AVAIL
AIRTEM= 287.C BARPRS= 765.C RELHUM= 19 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPRCA= .81E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
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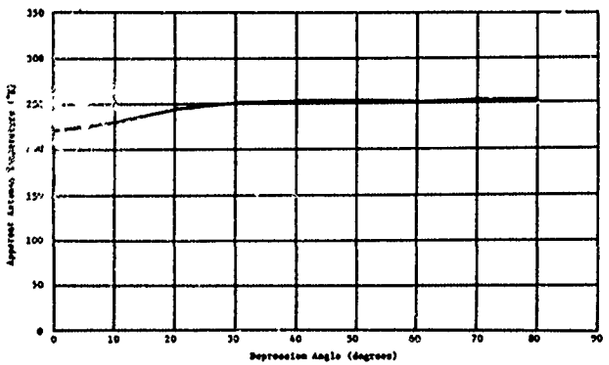


004579-012 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ.

SUBJECT CODES
BMBC

PARAMETER INFORMATION

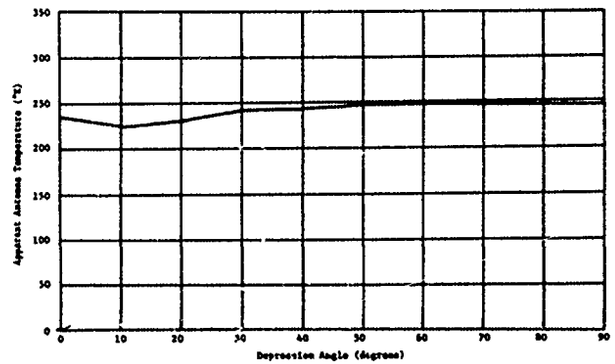
DATE = 9/12/65 TIME = 17CO
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 273.0 THZONE= 14 V TARCS1= SBFB
TARCEN= CC TARINF= AVAIL

AIRTEM= 277.7 BARPRS= 764.C RELHUM= 31 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPRCA= .12C+C1 IFBAND= .74E-03 TIMEC = .1CE+C2 INSENS= AVAIL SYSACC= 2.CCO
ANTSCB= 10.C RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-013 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

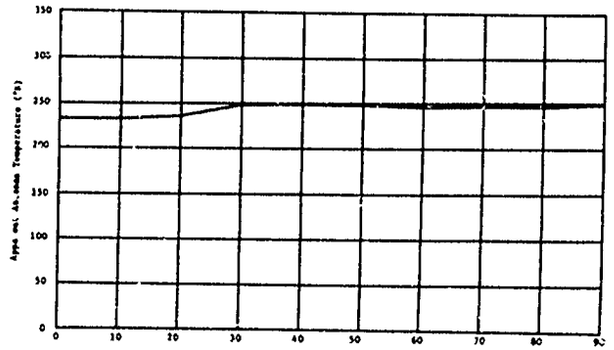
DATE = 5/12/65 TIME = 1300
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 275.0 TH2OME= 14 V TARCS1= SBPB
TARINF= AVAIL

AIRTEM= 277.7 BARPRS= 764.0 RELHUM= 31 OBST = NONE CLDCOV= NONE

SCRTYP= OLI PINST = C08C

RECPCL= DCACB LAMBDA= .81E+01 IFBAND= .23E-02 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-014 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

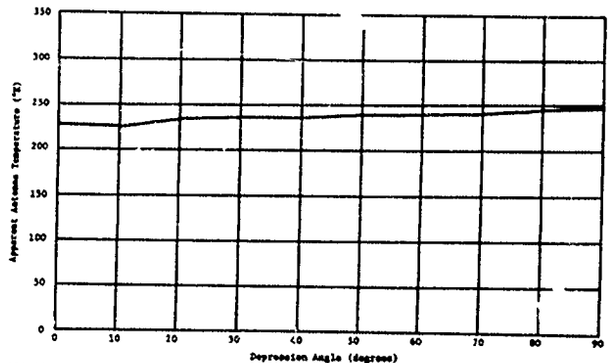
DATE = 5/12/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.0 TH2OME= 32 V TARCS1= SBPB
TARINF= AVAIL

AIRTEM= 284.1 BARPRS= 764.0 RELHUM= 35 OBST = NONE CLDCOV= 15

SCRTYP= OLI PINST = C08C

RECPCL= DCACB LAMBDA= .22E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 10.0 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-015 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

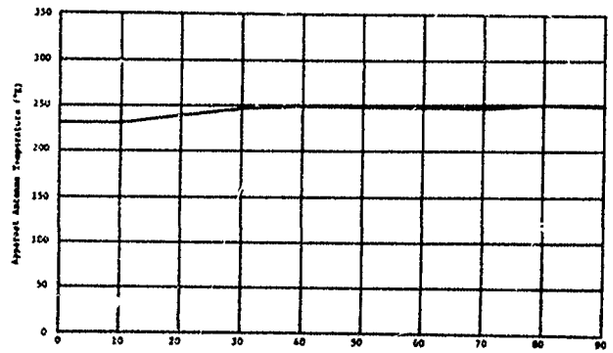
DATE = 5/12/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 274.0 TH2OME= 32 V TARCS1= SBPB
TARINF= AVAIL

AIRTEM= 284.1 BARPRS= 764.0 RELHUM= 35 OBST = NONE CLDCOV= 15

SCRTYP= OLI PINST = C08C

RECPCL= DCACB LAMBDA= .81E+01 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-016 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

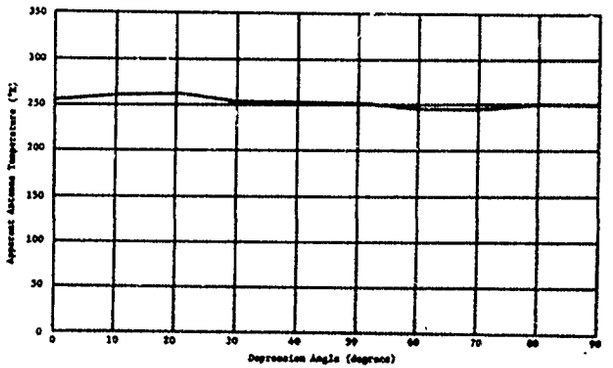
DATE = 5/12/65 TIME = 1555
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 274.0 TH2OME= 32 V TARCS1= SBPB
TARINF= AVAIL

AIRTEM= 284.1 BARPRS= 764.0 RELHUM= 35 OBST = NONE CLDCOV= 15

SCRTYP= OLI PINST = C08C

RECPCL= DCACB LAMBDA= .32E+00 IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



004579-017 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATIONS, AND AN OPERATING FREQUENCY OF 13.5 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

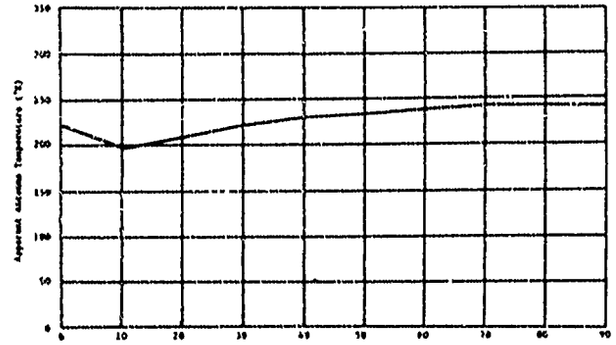
DATE = 5/12/65 TIME = 2200
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 274.0 THZOME= 19 V TARCS1= SBFB
TARINF= AVAIL

AIRTEM= 285.7 BARPRS= 764.0 RELHUM= 41 OBST = NONE CLOCOV= 50

SCRTYP= CLI PINST = CBRC

RECPCL= DCACA LAMBDA= .12E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.00
ANTSCB= 10.0 RECINF= AVAIL PLATF = CEC

RELABS= ABS



004579-018 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

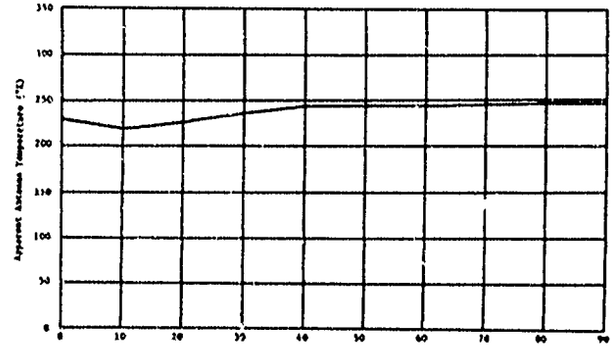
DATE = 5/12/65 TIME = 2200
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 274.0 THZOME= 19 V TARCS1= SBFB
TARINF= AVAIL

AIRTEM= 285.7 BARPRS= 764.0 RELHUM= 41 OBST = NONE CLOCOV= 50

SCRTYP= CLI PINST = CBRC

RECPCL= DCACA LAMBDA= .81E+00 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.00
ANTSCB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



004579-019 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

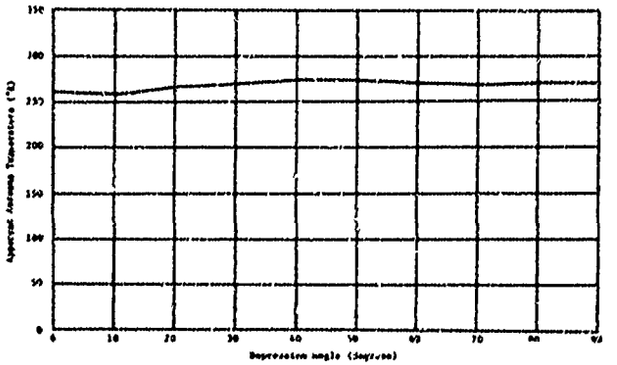
DATE = 5/12/65 TIME = 2200
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 274.0 THZOME= 19 V TARCS1= SBFB
TARINF= AVAIL

AIRTEM= 285.7 BARPRS= 764.0 RELHUM= 44 OBST = NONE CLOCOV= 50

SCRTYP= CLI PINST = CBRC

RECPCL= DCACA LAMBDA= .32E+00 IFBAND= .12E+00 TIMEC = .10E+02 INSENS= AVAIL ANTSCB= 4.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



004579-020 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.5 GHZ.

SUBJECT CODES
EHBC

PARAMETER INFORMATION

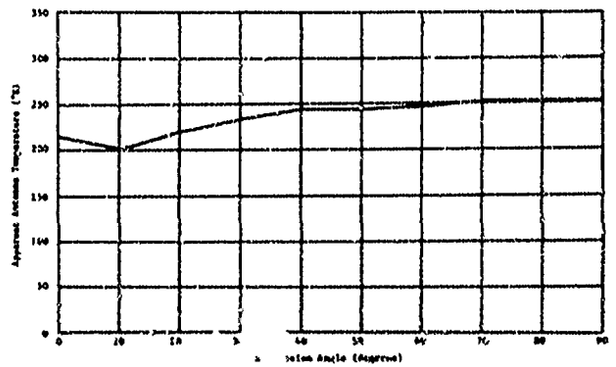
DATE = 5/12/65 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 273.0 THZOME= 19 V TARCS1= SBFB
TARINF= AVAIL

AIRTEM= 286.1 BARPRS= 764.0 RELHUM= 42 OBST = NONE CLOCOV= 20

SCRTYP= CLI PINST = CBRC

RECPCL= DCACA LAMBDA= .32E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.00
ANTSCB= 50.0 RECINF= AVAIL PLATF = CEC

RELABS= ABS



(FIGURE 4)

004579-021 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
PHOT

PARAMETER INFORMATION

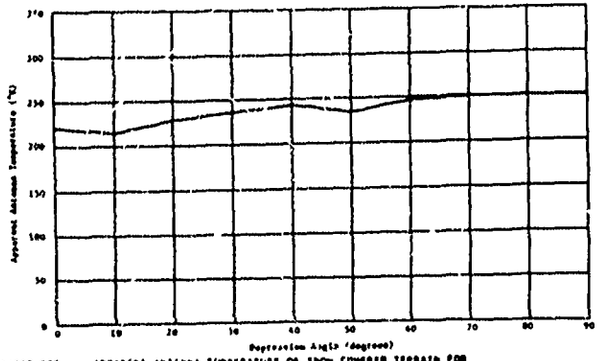
DATE = 9/17/62 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TANCPQ= TRANSL TANTEM= 273.0 TM2OME= 29 V TANCSI= SDFD
TANINP= AVAIL

AIRTEM= 288.1 DANPOS= 344.C RELHUM= %C CWSI = ACME CLOCCV= 20

SCRTYP= CLI PINST = CPOT

RECPCL= CCACA LAMDCA= .03E+FC IFBAND= .27E-01 TIMEC = .10E+C2 INSENS= AVAIL S SACC= 2.CO
ANTSCN= 7.5 RECINP= AVAIL PLATF = CFC

RELABS= ABS



004579-022 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
TMPC

PARAMETER INFORMATION

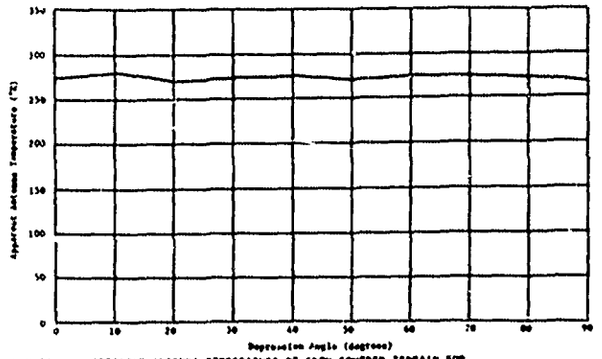
DATE = 9/17/62 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TANCPQ= TRANSL TANTEM= 273.0 TM2OME= 29 V TANCSI= SDFD
TANINP= AVAIL

AIRTEM= 288.1 DANPOS= 344.C RELHUM= %2 CWSI = ACME CLOCCV= 20

SCRTYP= CLI PINST = CPOC

RECPCL= CCACA LAMDCA= .32E+CC IFBAND= .12E-02 TIMEC = .10E+C2 INSENS= AVAIL SYSACC= 4.0
ANTSCN= AVAIL PLATF = CFC

RELABS= ABS



004579-023 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ

SUBJECT CODES
CPOC

PARAMETER INFORMATION

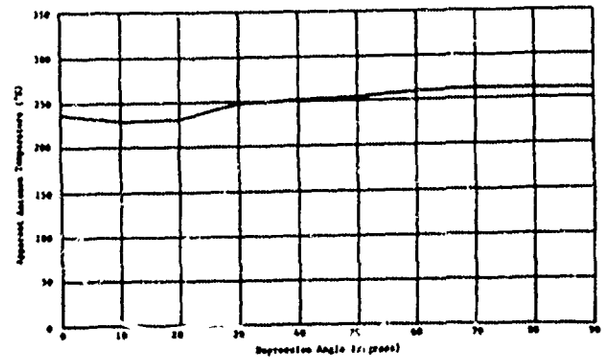
DATE = 9/17/62 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TANCPQ= TRANSL TANTEM= 273.0 TM2OME= 29 V TANCSI= SDFD
TANINP= AVAIL

AIRTEM= 275.C DANPOS= 345.C RELHUM= 92 CWSI = ACME CLOCCV= 100

SCRTYP= CLI PINST = CPOC

RECPCL= CCACA LAMDCA= .32E+C3 IFBAND= .74E-03 TIMEC = .10E+C2 INSENS= AVAIL SYSACC= 2.CC
ANTSCN= 15.C RECINP= AVAIL PLATF = CFC

RELABS= ABS



004579-024 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
CPOC

PARAMETER INFORMATION

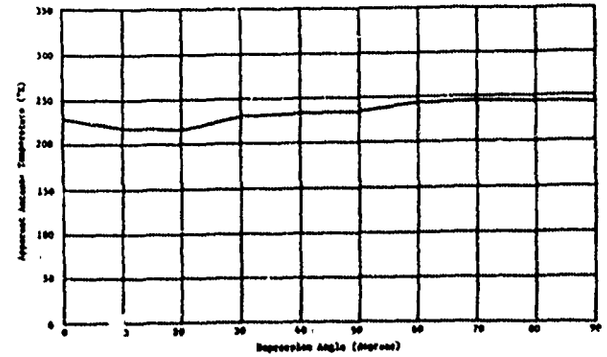
DATE = 9/17/62 TIME = 2240
LAT = 42.9 N LONG = 122.1 W TANCPQ= TRANSL TANTEM= 273.0 TM2OME= 29 V TANCSI= SDFD
TANINP= AVAIL

AIRTEM= 275.C DANPOS= 345.C RELHUM= 92 CWSI = ACME CLOCCV= 100

SCRTYP= CLI PINST = CPOC

RECPCL= CCACA LAMDCA= .81E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.CCC
ANTSCN= 7.5 RECINP= AVAIL PLATF = CFC

RELABS= ABS



004575-035 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
EH00

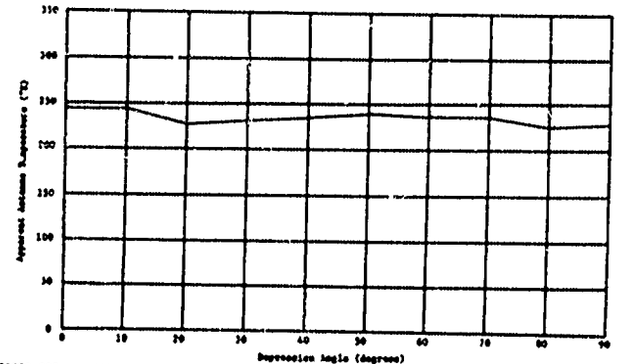
PARAMETER INFORMATION

DATE = 9/14/69 TIME = 15C
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 273.0 TH2OME= 13 V TARCS1= SBP0
AIRTEM= 275.0 BAROPS= 769.C RELHUM= 92 OBST = NONE CLOCOV= 100

SORTYP= DLI PINST = CB0C

RECPCL= DCACA LAMDCA= .32E+00 IFBAND= .12E-01 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECIAP= AVAIL PLATF = C1C

RELABS= ABS



004575-037 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
EH0C

PARAMETER INFORMATION

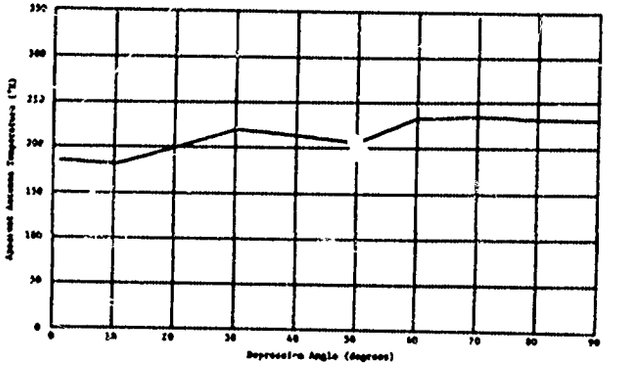
DATE = 9/14/6 TIME = 73C
LAT = 42.9 N LONG = 122.1 W TARCPO= TRANSL TARTEM= 272.9 TH2OME= 0 V TARCS1= SBP0
TARCCH= BH0A TARIAP= AVAIL

AIRTEM= 274.C BAROPS= 769.0 RELHUM= 84 OBST = NONE

SORTYP= DLI PINST = CB0C

RECPCL= DCACA LAMDCA= .01E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.00C
ANT3DB= 7.9 RECIAP= AVAIL PLATF = C1C

RELABS= ABS



004575-034 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.9 GHZ

SUBJECT CODES
EH0D

PARAMETER INFORMATION

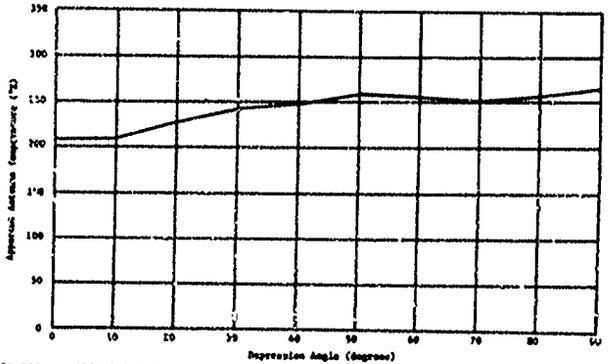
DATE = 9/14/69 TIME = 73C
LAT = 43.9 A LONG = 122.1 W TARCPO= TRANSL TARTEM= 272.9 TH2OME= 0 V TARCS1= SBP0
TARCCH= BH0A TARIAP= AVAIL

AIRTEM= 274.C BAROPS= 769.C RELHUM= 84 OBST = NONE

SORTYP= DLI PINST = CB0C

RECPCL= DCACA LAMDCA= .22E+01 IFBAND= .76E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.CC0
ANT3DB= 10.C RECIAP= AVAIL PLATF = C1C

RELABS= ABS



004575-036 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONTAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
EH0C

PARAMETER INFORMATION

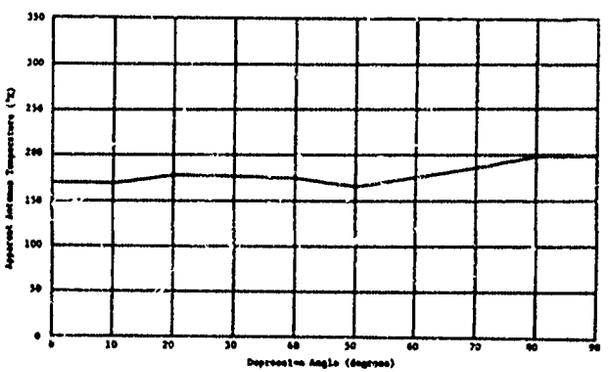
DATE = 9/14/69 TIME = 73C
LAT = 42.9 A LONG = 122.1 W TARCPO= TRANSL TARTEM= 272.9 TH2OME= 0 V TARCS1= SBP0
TARCCH= BH0A TARIAP= AVAIL

AIRTEM= 274.C BAROPS= 769.0 RELHUM= 84 OBST = NONE

SORTYP= DLI PINST = CB0C

RECPCL= DCACA LAMDCA= .32E+00 IFBAND= .12E-01 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECIAP= AVAIL PLATF = C1C

RELABS= ABS



004579-029 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.5 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

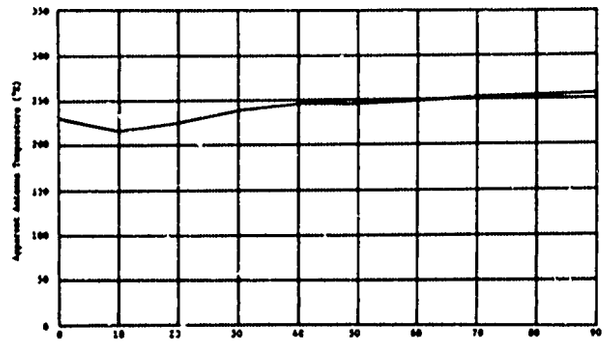
DATE = 5/14/65 TIME = 915
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSRD= AVAIL TARINP= AVAIL

AIRTEM= 275.6 BARPRS= 765.0 RELHUM= 66 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACA LAPBCA= .22E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 10.0 RECINP= AVAIL PLATF = CEC

RELABS= ABS



004579-030 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0

SUBJECT CODES
BHBC

PARAMETER INFORMATION

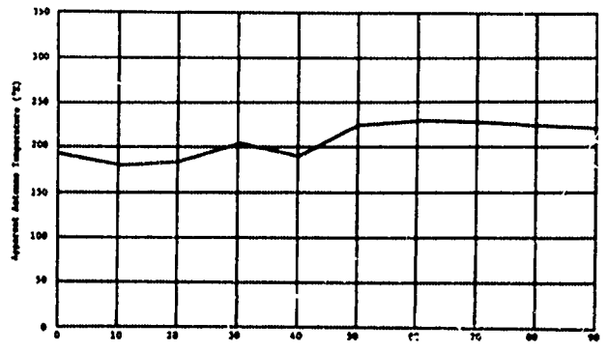
DATE = 5/14/65 TIME = 915
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSRD= AVAIL TARINP= AVAIL

AIRTEM= 275.6 BARPRS= 765.0 RELHUM= 66 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACA LAPBCA= .81E+00 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 3.000
ANT3DB= 7.5 RECINP= AVAIL PLATF = CEC

RELABS= ABS



004579-031 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, HORIZONAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

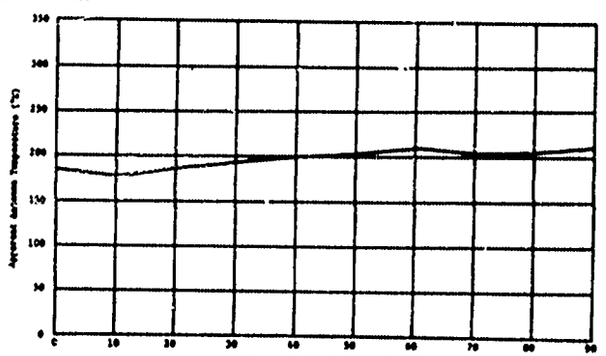
DATE = 5/14/65 TIME = 915
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSRD= AVAIL TARINP= AVAIL

AIRTEM= 275.6 BARPRS= 765.0 RELHUM= 66 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACA LAPBCA= .22E+00 IFBAND= .12E-02 TIMEC = .10E-02 INSENS= AVAIL ANT3DB= 4.0
RECINP= AVAIL PLATF = CEC

RELABS= ABS



004579-032 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.5 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

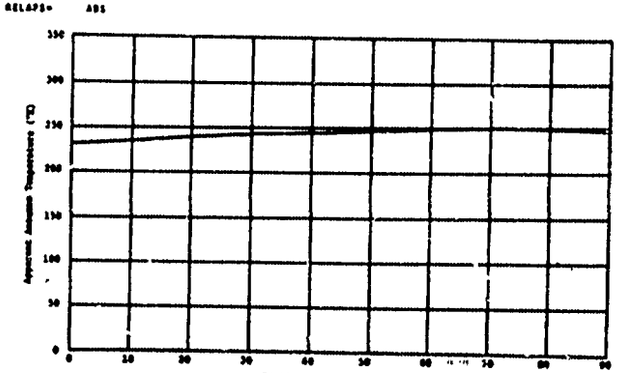
DATE = 5/14/65 TIME = 1100
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSRD= AVAIL TARINP= AVAIL

AIRTEM= 274.0 BARPRS= 765.0 RELHUM= 74 OBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPBCA= .22E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 10.0 RECINP= AVAIL PLATF = CEC

RELABS= ABS



084579-033 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

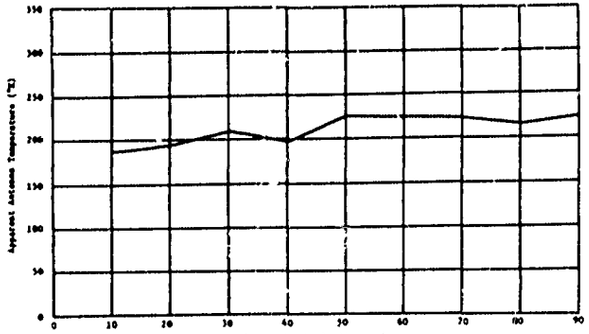
DATE = 5/14/65 TIME = .1C0
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSPD= AVAIL TARINF= AVAIL

AIRTEM= 274.C BARPRS= 765.C RELHUM= 74 OBST = NONE

SCRTYP= DL1 PINST = CBBC

RECPCL= DCACB LAMBDA= .81E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 3.CCO
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



084579-034 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

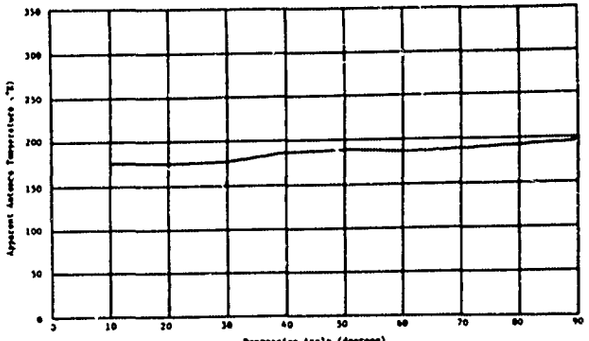
DATE = 5/14/65 TIME = 11C1
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSPD= AVAIL TARINF= AVAIL

AIRTEM= 274.C BARPRS= 765.C RELHUM= 74 OBST = NONE

SCRTYP= DL1 PINST = CBBC

RECPCL= DCACB LAMBDA= .72E+CC IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.C
RECINF= AVAIL PLATF = CEC

RELABS= ABS



084579-035 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 13.5 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

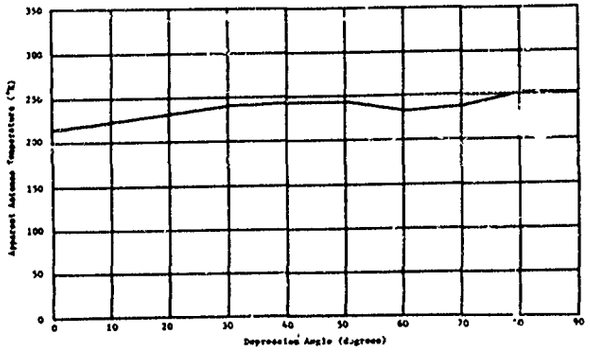
DATE = 5/14/65 TIME = 12C5
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSPD= AVAIL TARINF= AVAIL

AIRTEM= 276.C BARPRS= 765.C RELHUM= 64 OBST = NONE

SCRTYP= DL1 SCRINF= AVAIL PINST = CBBC

RECPCL= DCACB LAMBDA= .22E+C1 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.CCO
ANT3DB= 10.C RECINF= AVAIL PLATF = CEC

RELABS= ABS



084579-036 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 140 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 37.0 GHZ

SUBJECT CODES
BHBC

PARAMETER INFORMATION

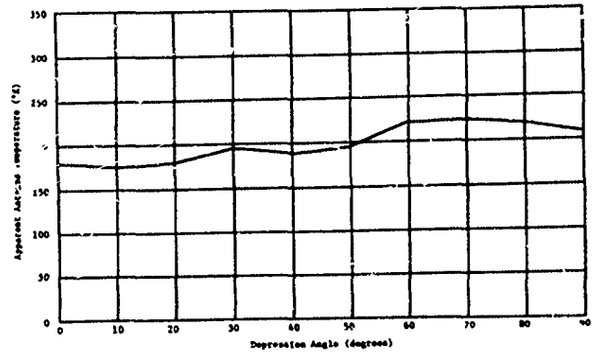
DATE = 5/14/65 TIME = 12C5
LAT = 42.9 N LONG = 122.1 W TARCPQ= TRANSL TARTEM= 271.0 THZOME= 2 V TARCSI= SBFB
TARCCN= BHBA TARSPD= AVAIL TARINF= AVAIL

AIRTEM= 276.C BARPRS= 765.C RELHUM= 64 OBST = NONE

SCRTYP= DL1 SCRINF= AVAIL PINST = CBBC

RECPCL= DCACB LAMBDA= .81E+CC IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 3.CCO
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-037 APPARENT ANTENNA TEMPERATURE OF SNOW COVERED TERRAIN FOR AN AVERAGE SNOW DEPTH OF 240 INCHES, VERTICAL ANTENNA POLARIZATION, AND AN OPERATING FREQUENCY OF 94.0 GHZ

SUBJECT CODES
EHBC

PARAMETER INFORMATION

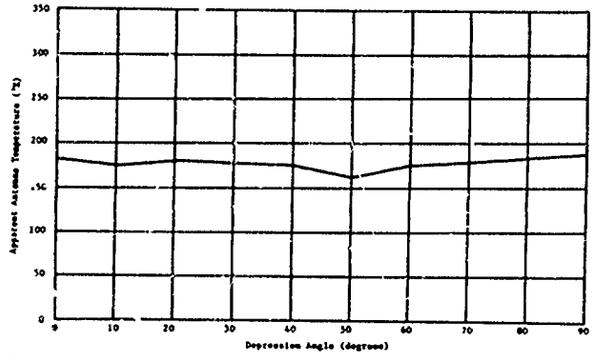
DATE = 5/14/65 TIME = 1205
LAT = 42.9 N LONG = 122.1 W TARCPG= TRANSL TARTEP= 271.0 TH2OPE= 2 V TARCSI= SBFB
TARCEN= BFBA TARSKD= AVAIL TARINF= AVAIL

AIRTEP= 276.0 BARPRS= 765.0 RELHUM= 64 CBST = NONE

SCRTYP= DLI SCRINF= AVAIL PINST = CBBC

RECPCL= DCACB LAPBCA= .12E+00 IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-038 APPARANT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR VERTICAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 13.5 GHZ.

SUBJECT CODES
EHBC

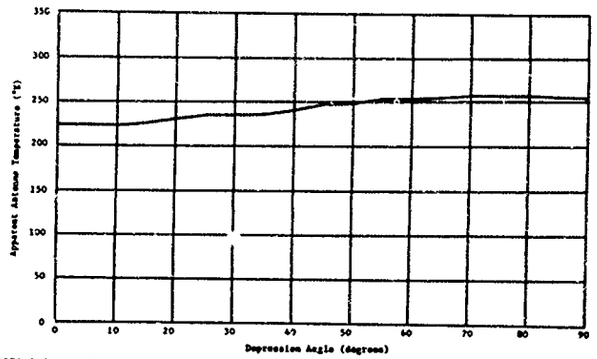
PARAMETER INFORMATION

DATE = 5/20/65 TIME = 2125
LAT = 42.9 N LONG = 122.1 W TARLNF= NONVNF TARCPG= TRANSL TARCSI= SBFB TARINF= AVAIL
BARPRS= 761.0 RELHUM= 62 CBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPBCA= .12E+01 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 10.0 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-039 APPARANT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR VERTICAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
EHBC

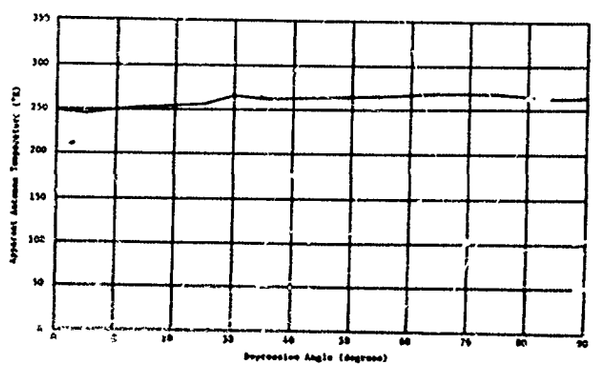
PARAMETER INFORMATION

DATE = 5/20/65 TIME = 2125
LAT = 42.9 N LONG = 122.1 W TARLNF= NONVNF TARCPG= TRANSL TARCSI= SBFB TARINF= AVAIL
BARPRS= 761.0 RELHUM= 62 CBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPBCA= .21E+00 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 7.5 RECINF= AVAIL PLATF = CEC

RELABS= ABS



804579-040 APPARANT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR VERTICAL ANTENNA POLARIZATION AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
EHBC

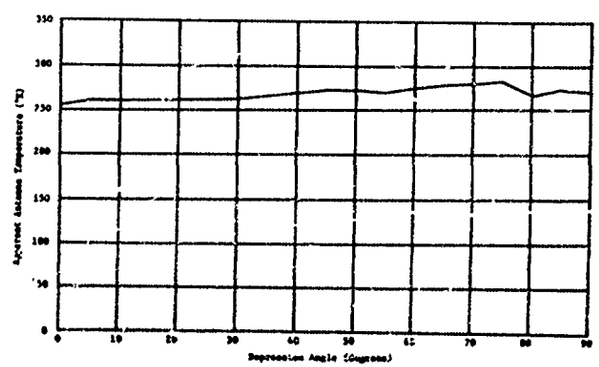
PARAMETER INFORMATION

DATE = 5/20/65 TIME = 2125
LAT = 42.9 N LONG = 122.1 W TARLNF= NONVNF TARCPG= TRANSL TARCSI= SBFB TARINF= AVAIL
BARPRS= 761.0 RELHUM= 62 CBST = NONE

SCRTYP= DLI PINST = CBBC

RECPCL= DCACB LAPBCA= .12E+00 IFBAND= .12E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 6.0
RECINF= AVAIL PLATF = CEC

RELABS= ABS



(FIGURE 9)

084579-041 APPARENT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR HORIZONTAL POLARIZATION AND AN OPERATING FREQUENCY OF 15.0 GHZ.

SUBJECT CODES
[illegible]

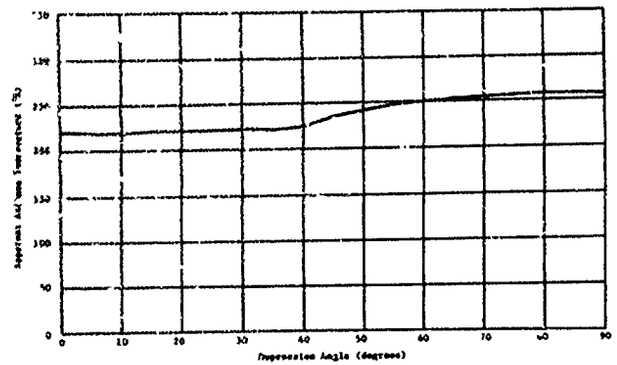
PARAMETER INFORMATION

DATE = 5/20/63 TIME = 24°C
LAT = 42.9 N LONG = 122.1 W TARLNP= NONVNF TARCPQ= TRANSL TARCS1= SBFB TARINP= AVAIL
BARPRS= 761.0 RELHUM= 46 COST = NONE

SCRTYP= DL1 PINST = CBBC

RECPCL= DCACA LAPBCA= .33E+03 IFBAND= .74E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 10.0 RECINP= AVAIL PLATF = CFC

RELAYS= ABS



084579-042 APPARENT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR HORIZONTAL POLARIZATION AND AN OPERATING FREQUENCY OF 37.0 GHZ.

SUBJECT CODES
[illegible]

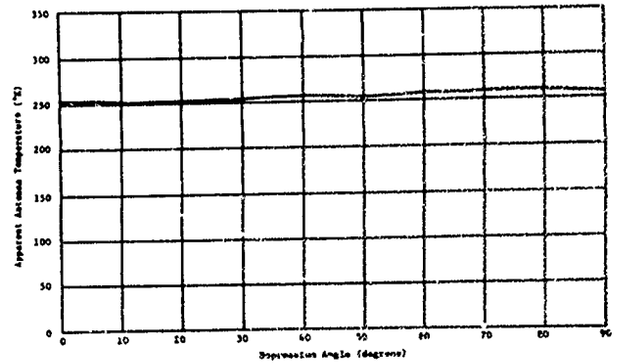
PARAMETER INFORMATION

DATE = 5/20/63 TIME = 24°C
LAT = 42.9 N LONG = 122.1 W TARLNP= NONVNF TARCPQ= TRANSL TARCS1= SBFB TARINP= AVAIL
BARPRS= 761.0 RELHUM= 46 COST = NONE

SCRTYP= DL1 PINST = CBBC

RECPCL= DCACA LAPBCA= .81E+01 IFBAND= .27E-03 TIMEC = .10E+02 INSENS= AVAIL SYSACC= 2.000
ANT3DB= 7.5 RECINP= AVAIL PLATF = CFC

RELAYS= ABS



084579-043 APPARENT ANTENNA TEMPERATURE OF PARTIALLY SNOW COVERED TERRAIN FOR HORIZONTAL POLARIZATION AND AN OPERATING FREQUENCY OF 94.0 GHZ.

SUBJECT CODES
[illegible]

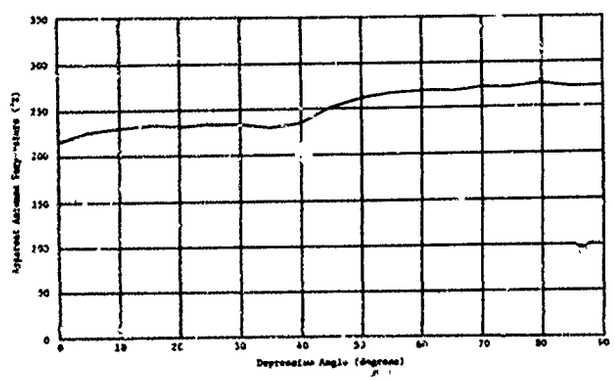
PARAMETER INFORMATION

DATE = 5/20/63 TIME = 24°C
LAT = 42.9 N LONG = 122.1 W TARLNP= NONVNF TARCPQ= TRANSL TARCS1= SBFB TARINP= AVAIL
BARPRS= 761.0 RELHUM= 46 COST = NONE

SCRTYP= DL1 PINST = CBBC

RECPCL= DCACA LAPBCA= .32E+00 IFBAND= .72E-02 TIMEC = .10E+02 INSENS= AVAIL ANT3DB= 4.0
RELINP= AVAIL PLATF = CFC

RELAYS= ABS



(FIGURE 10)

UNCLASSIFIED

Security Classification

DOCUMENT CONTROL DATA - R&D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1 ORIGINATING ACTIVITY (Corporate author)

Willow Run Laboratories, Institute of Science and Technology, The University of Michigan, Ann Arbor

2a REPORT SECURITY CLASSIFICATION

Unclassified

2b GROUP

3 REPORT TITLE

TARGET SIGNATURE ANALYSIS CENTER: DATA COMPILATION

4 DESCRIPTIVE NOTES (Type of report and inclusive dates)

Second Supplement

5 AUTHOR(S) (Last name, first name, initial)

Earing, D.

6 REPORT DATE	7a TOTAL NO OF PAGES	7b NO OF REFS
July 1967	vi + 457	24

8a CONTRACT OR GRANT NO	9a ORIGINATOR'S REPORT NUMBER(S)
F 33615-67-C-1293	
b. PROJECT NO	8492-5-B
c	9b OTHER REPORT NO(S) (Any other numbers that may be assigned this report)
d	

10 AVAILABILITY/LIMITATION NOTICES

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11 SUPPLEMENTARY NOTES	12 SPONSORING MILITARY ACTIVITY
	Air Force Avionics Laboratory, Research and Technology Division, Air Force Systems Command Wright-Patterson Air Force Base, Ohio

13 ABSTRACT

This unclassified supplement to Target Signature Analysis Center: Data Compilation (July 1966) is primarily an ordered, indexed compilation of reflectances, radar cross sections, and apparent temperatures of target and background materials. The data include spectral reflectances and transmittances in the optical region from 0.3 to 15 μ and normalized radar cross sections (active) and apparent temperatures (passive), plotted as a function of aspect or depression angle, at millimeter wavelengths. This supplement contains approximately 1000 data curves from experimental studies conducted during the last three decades, including the current Target Signature Measurements Program conducted at The University of Michigan and sponsored by the Air Force Avionics Laboratory.

DD FORM 1 JAN 64 1473

UNCLASSIFIED

Security Classification

UNCLASSIFIED

Security Classification

14. KEY WORDS	LINK A		LINK B		LINK C	
	ROLE	WT	ROLE	WT	ROLE	WT
Target signature						
Background						
Reflectance						
Polarization						
Optical data						
Radar data						
Passive microwave data						
Spectrophotometer						
Data processing						

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UNCLASSIFIED

Security Classification

AAK

GROUND TARGETS

Personnel

AAKA

GROUND TARGETS

Personnel (Clothing)

AE

TARGET MATERIALS

Miscellaneous

AEA

TARGET MATERIALS

Aluminum

AEB

TARGET MATERIALS

Asphalt

AEE

TARGET MATERIALS

Canvas

AEG

TARGET MATERIALS

Concrete

AEH

TARGET MATERIALS

Dirt

AEJ

TARGET MATERIALS

Glass

AEL

TARGET MATERIALS

Metals

AEM

TARGET MATERIALS

Paints

AEN

TARGET MATERIALS

Paper/Cardboard

AEO

TARGET MATERIALS

Plastic

AEP

TARGET MATERIALS

Rubber

AEQ

TARGET MATERIALS

Tar

AER

TARGET MATERIALS

Tile

AET

TARGET MATERIALS

Wood

BF

BACKGROUNDS

Soils (Misc.)

BFCA

BACKGROUNDS

Soils-Sand

BFEB

BACKGROUNDS

Soil-Silt Loam

BFFA

BACKGROUNDS

Soils-Clay Loam

BFFC

BACKGROUNDS

Soils-Silty Clay Loam

BFK

BACKGROUNDS

Soils-Minerals

BFL

BACKGROUNDS

Soils-Chemicals

BGB

BACKGROUNDS

Vegetation-Herbaceous
(Moss-Liverwort)

BGC

BACKGROUNDS

Vegetation-Herbaceous
(Vascular)

BGD

BACKGROUNDS

Vegetation-Ligneous

BH

BACKGROUNDS

Water

CJ

EQUIPMENT

Materials

3123

BACKGROUND AND TERRAIN

H_2O States (Water)

3134

BACKGROUND AND TERRAIN

Terrain (Forest)

3135

BACKGROUND AND TERRAIN

Terrain (Farmland)

3137

BACKGROUND AND TERRAIN

Terrain (Desert)

3201

TARGET

Composite Areas (Industrial)

3202

Composite Areas (Residential Area)

(P)BAB

BACKGROUNDS

Sky

(P)BH

BACKGROUNDS

Water