

1903 SATELLITE DATA SERVICES FILES

These files relate to the national and international acquisition, processing, storage, and exchange of spacecraft-derived climatological, cryospheric and space environment satellite data. These data are provided to users for long-term climatological, cryospheric, space environment and other types of satellite studies.

U. S. Defense Meteorological Satellite Program (DMSP)
Operational Line Scan (OLS) Data and Imagery

1903-12 DMSP/OLS Mercator
Projection Images.
1:15 million scale
imagery obtained
from OLS, includes
both visible and
thermal infrared
channels. Regional
mosaics, mapped into
Mercator projection,
providing coverage
equatorward of the
area 46 degrees
north and south
latitude.

100 cm x 50 film
positives,
resolution 5.4km.
1976-90 daily
coverage with gaps.

200,000

est. 200,000 pcs

Destroy 25 yrs after depositing in FRC

Permanent. Transfer to the
National Archives 25 years after
depositing in the Federal Records
Center.

1903-13 DMSP/OLS Polar
Projection
1:15 million scale
images. Data
obtained from OLS.
includes both
visible and thermal
infrared channels.
Regional mosaics
mapped into Polar
Stereographic
projections true at
60 degrees latitude,
providing global
coverage. Mosaics:
Western Europe,
Atlantic,

300,000

est. 300,000 pcs

Mediterranean, Mid-East, Asia, Far East, Central Pacific, Southern Hemisphere.

100 cm x 50 cm film positives, 5.4 km resolution. 1976-90 daily coverage with gaps.

1903-14

DMSP/OLS Orbital Swath Data 'Expanded' images. 1:7.5 million scale imagery obtained from OLS, includes both visible and thermal infrared channels. Orbital swaths 3000 km wide provide global coverage two to four times per day.

45 cm x 200 cm film positives, 2.7 km and limited 0.6 km resolution. 1977-90 sporadic coverage.

1903-15

DMSP/OLS Polar Projection 1:30 million scale images. Data obtained from OLS, includes both visible and thermal infrared channels. Hemisphere mosaics mapped into Polar Stereographic projections true at 60 degrees latitude, providing global coverage.

100 cm x 50 cm film positives, 5.4 km resolution. 1976-90 daily coverage with gaps.

Destroy 25 yrs after depositing in FRC

Permanent. Transfer to the National Archives 25 years after depositing in the Federal Record Center.

125,000

est. 125,000 pcs

Destroy 25 yrs after depositing in FRC

Permanent. Transfer to the National Archives 25 years after depositing in the Federal Record Center.

50,000

est. 50,000 pcs

Destroy 25 yrs after depositing in FRC

Permanent. Transfer to the National Archives 25 years after depositing in the Federal Records Center.

1903-16

DMSP/OLS Direct
Read-out images.
1:7.5 million scale
imagery obtained
from OLS directread-
out sites, includes
both visible and
thermalinfrared
channels. Local
area cover age
surrounding
directread-out
sites; Elmendorf
AFB, AK; San Diego,
CA.; Patrick AFB,
FL.; Hickam AFB,
HI.; Ramstein AFB,
Germany; Rota NAS,
Spain; RAF
Croughton, U.K.;
Lajes Field, Azores;
Clark AFB,
Philippines; Nimitz
Hill Station, Guam;
Kadena AFB, Okinawa;
Osan AFB, Korea;
Fuchu Yokota AFB,
Japan; Nakon Phanom,
Thailand; Howard
AFB, Canal Zone; USS
Constellation; USS
Ranger; USS
J.F.Kennedy; USS
Kitty Hawk.

40 cm x 20 cm film
positives, 0.6 km
resolution. 1973-90
sporadic to daily
coverage.

1903-17

DMSP/OLS Orbital
Swath images. 1:7.5
million scale
imagery obtained
from OLS, includes
both visible and
thermal infrared
channels. Orbital

CVN 67 - JFK
CVN 65 - Enterprise
CV 63 - Kittyhawk
CV 41 Midway
CV 61 Ranger
CV 62 - Independence

est 250,000 pcs

250,000

Nimitz (CVN 68)

Permanent. Transfer to the
National Archives 25 years after
depositing in the Federal Records
Center.

F7, F8, F9 F10/F11
ALL THE SAME

est. 400,000

400,000

swaths 3000 km wide
provide global
coverage two to four
times per day.

100 cm x 20 cm film
positives, 2.7 km
resolution. 1973-90
daily coverage with
gaps.

Permanent. Transfer to the
National Archives 25 years after
depositing in the Federal Records
Center.

1903-18

DMSP/OLS
'Contoured' Thermal
Orbital Swath
images. 1:7.5
million scale
imagery obtained
from OLS is
contoured to high-
light various meteo-
rological phenomena,
non-routine
products. Orbital
swath coverage is
sporadic from 1978-
90.

5000

est. 5000 pcs

100 cm x 20 cm film
positives, 2.7 km
resolution; 8500
pieces total.

Destroy 25 years after depositing
in the Federal Records Center.

1903-19

DMSP/OLS Auroral
Orbital Swath
images. 1:7.5
million scale
imagery obtained
from OLS visible
channel taken at
night which high-
lights the polar
aurora.

4700

est. 4700 pcs

50 cm x 20 cm film
positives, 2.7 km
resolution; 4700
pieces total.

Permanent. Transfer to the
National Archives 25 years after
depositing in the Federal Records
Center.

1903-20

NOAA/AVHRR images
received at DMSP
ground station.
Global Area coverage
AVHRR images
acquired by DMSP

est. 11,000 pcs

11,000