

UNITED EUROPE IN SPACE

SPACECRAFT & LAUNCHER OF EUROPEAN SPACE AGENCY

PART OF Luigi BUSSOLINO

“ UNITED EUROPE IN SPACE “

ASTROPHILATELY COLLECTION

Collection development :

- ELDO & ESRO CONSORTIUM FIRST STEPS**
- BIRTH OF EUROPEAN SPACE AGENCY**
- PROJECTS FROM 1975 TO TODAY**
- SPACELAB & OTHER SPACECRAFT**
- DEVELOPMENT OF EUROPEAN LAUNCH
CAPABILITY**

UNITED EUROPE IN SPACE

BIRTH OF ELDO CONSORTIUM IN STRASBOURG 1961— THE CONFERENCE WAS AIMED ON THE DEVELOPMENT OF AN HEAVY LAUNCHER FOR THE INCOMING EUROPEAN SATELLITE. COVER ISSUED FOR THE EVENT AND CANCELLED IN STRASBOURG ON JANUARY 30th 1961.



ELDO CONSORTIUM "EUROPA 1" F 1 MISSION — FIRST TEST OF ENGLISH LAUNCHER "BLUE STREAK" TO BECOME THE FIRST STGE OF THE FUTURE EUROPEAN LAUNCHER. Cover cancelled at Woomera, in South Australia, on June 5th 1964.

**EUROPEAN LAUNCHER
DEVELOPMENT ORGANISATION**

GREAT BRITAIN • HOLLAND

**Woomera
Rocket Range**

**First
Blue Streak
Launching
June 5th, 1964**

• WEST GERMANY • FRANCE •

• AUSTRALIA • BELGIUM • ITALY



**Mr. D. O. Richter
P.O., Box 235,
Fortitude Valley,
Qld., Australia.**

UNITED EUROPE IN SPACE

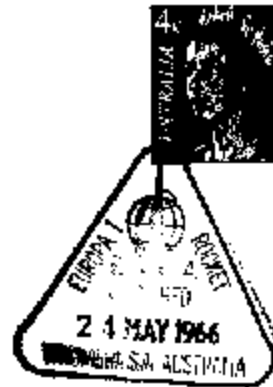
ELDO CONSORTIUM - "EUROPA 1" F4 AND 5 MISSION- LAUNCHER TEST IN CONFIGURATION WITH INERT UPPER STAGES AND SATELLITE TEST VEHICLE. TWO TESTS WERE SUCCESSFULLY PERFORMED IN WOOMERA TEST RANGE ON MAY 24th AND NOVEMBER 15th 1966.

First use of a special triangular postmark with indication of the range, program, launch date and version of launcher or configuration.

European
LAUNCHER
DEVELOPEMENT
ORGANISATION



WOOMERA
ROCKET RANGE



Mr.
Hans-J. Reutschke
1000 BERLIN 28
An der Buche 23
Germany

ELDO

EUROPA I
F5
LAUNCHED
NOV. 15th

AUSTRALIA
NETHERLANDS
GERMANY
FRANCE
ENGLAND
BELGIUM
ITALY



WOOMERA
ROCKET RANGE



Hans-J. Reutschke
1000 BERLIN 28
An der Buche 23
Germany

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ELDO CONSORTIUM - "EUROPA 1" F 6 MISSION - LAUNCH OF EUROPA 1 IN CONFIGURATION F6* ON AUGUST 4th 1967 FROM WOOMERA TEST RANGE WITH THE SECOND STAGE DERIVED FROM FRENCH MISSILE "CORALIE" THAT DOESN'T FIRE. THE LAUNCH WAS THEN REPEATED AS MISSION F 6/2 IN THE SAME CONFIGURATION ON DECEMBER 6th 1967 BUT THE SEQUENCER COMMANDING THE SEPARATION BETWEEN SECOND AND THIRD STAGE FAILED. Covers with triangular postmark and info on the mission configuration and launch date.

EUROPA 1 F-6/1
European
LAUNCHER
DEVELOPEMENT
ORGANISATION



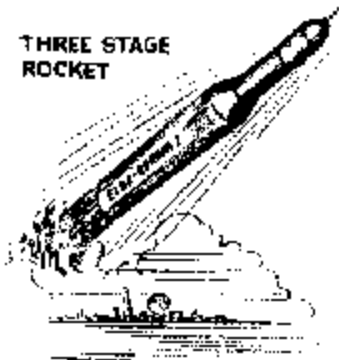
WOOMERA
ROCKET RANGE



Hans- J. Rautschke
1000 Berlin 28
An der Buche 28
Germany

COMMEMORATING
ELDO—EUROPA I

THREE STAGE
ROCKET



WOOMERA, SOUTH AUSTRALIA
SOUVENIR COVER



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ELDO CONSORTIUM "EUROPA 1" - MISSION F 7 - FIRST OFFICIAL ATTEMPT TO LAUNCH INTO ORBIT THE SATELLITE TEST VEHICLE WITH THE LAUNCHER IN FULL CONFIGURATION FROM WOOMERA TEST RANGE ON NOVEMBER 30th 1968 . THE THIRD GERMAN STAGE FAILED.
Cover with the usual triangular postmark with all indication about the launch .

EUROPEAN LAUNCHER
DEVELOPMENT ORGANISATION

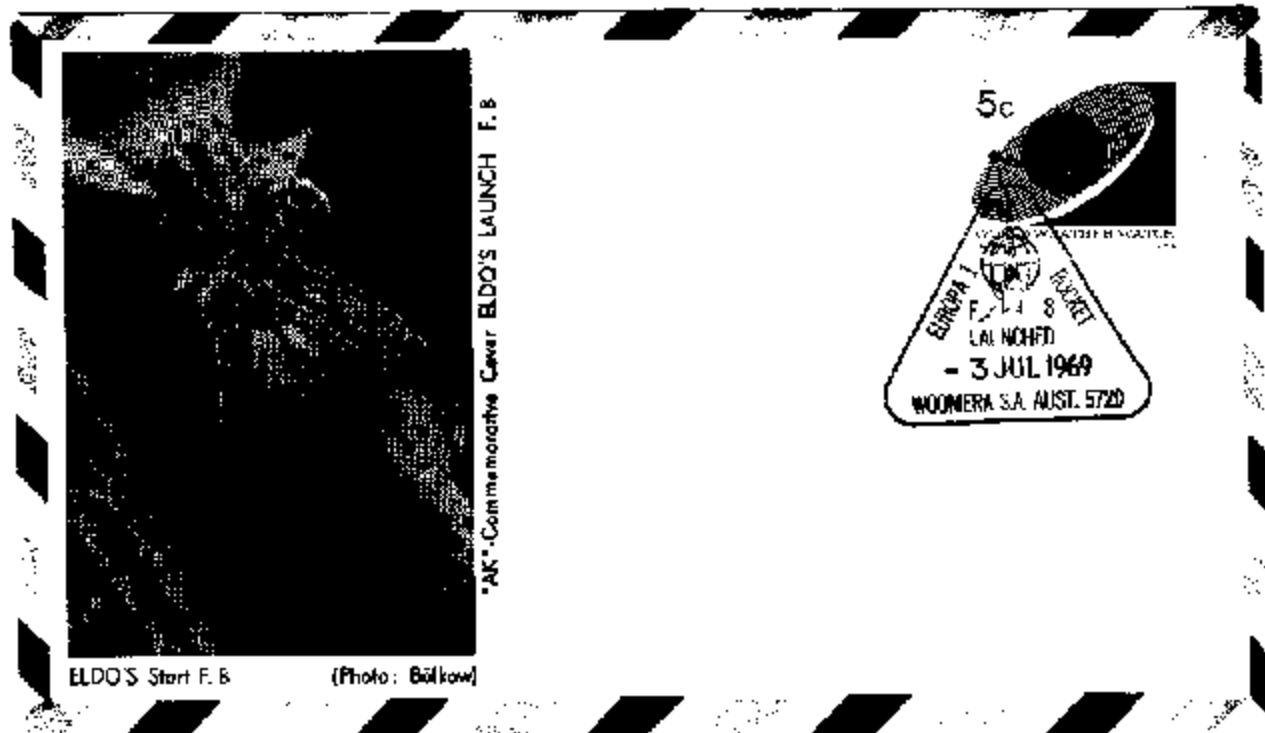
Woomera
Rocket Range

• HOLLAND •
• GREAT BRITAIN •
• WEST GERMANY •
• FRANCE •
• AUSTRALIA •
• BELGIUM •
• ITALY •



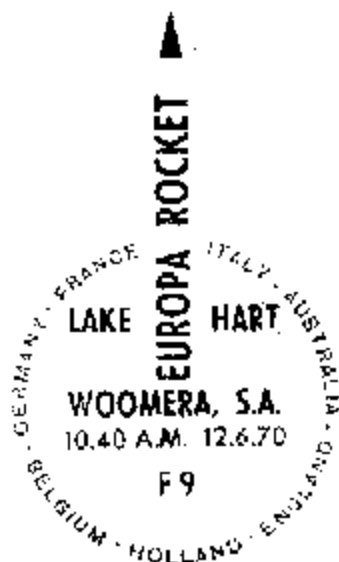
Mr. D. O. Richter
P.O., Box 235,
Fortitude Valley,
Qld., Australia.

ELDO CONSORTIUM "EUROPA 1" .. F 8 MISSION - SECOND ATTEMPT TO LAUNCH A TEST SATELLITE INTO ORBIT UNFORTUNATELY NOT SUCCESSFUL FOR THE FAILURE OF THE THIRD STAGE AGAIN . WOOMERA JUNE 3rd 1969.
Cover with usual triangular postmark with all the indication about the launch.



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ELDO CONSORTIUM - "EUROPA 1" - MISSION F 9 - THIRD ATTEMPT TO LAUNCH A SATELLITE OF ABOUT 260 KG. INTO ORBIT ON JUNE 12th 1970. THERE WAS FIRST A FAILURE ON THE THIRD GERMAN STAGE NOT CAPABLE TO REACH THE RIGHT ORBIT AND THEN A SECOND FAILURE IN THE ITALIAN FAIRINGS OPENING. Cover with the usual triangular postmark with all data about the flight.



UCCC
BOX 133, GLENELG
5045 AUSTRALIA

ELDO CONSORTIUM "EUROPA 2" MISSION F 11 - THE PREVIOUS LAUNCHER CONFIGURATION WAS IMPROVED WITH A FOURTH STAGE TO INSERT AN ITALIAN SATELLITE ELDO PAS IN A GEOSTATIONARY ORBIT FROM THE BRAND NEW TEST RANGE OF KOUROU IN GUYANA IN SOUTH AMERICA NEAR TO THE EQUATOR. THE LAUNCH FAILED TWO MINUTES FROM START: COVER with Kourou postmark reproduced smaller than normal.



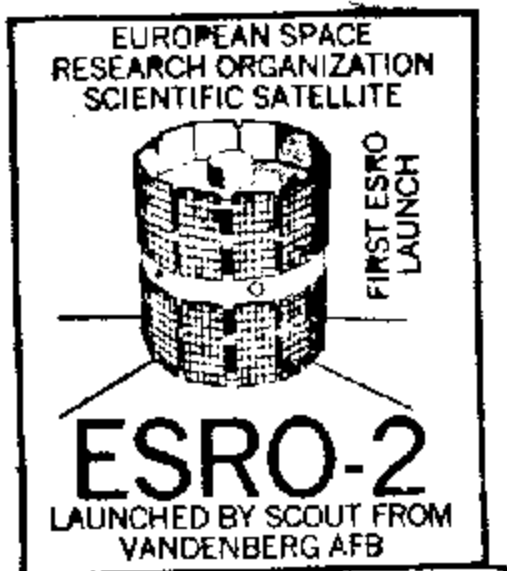
ELDO-CEGES F11 LANCEMENT KOUROU

Revista de Postal
de Junho de
1970 São Paulo - Brasil

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ESRO ORGANIZATION - MAY 29th 1967 - LAUNCH OF THE FIRST EUROPEAN SCIENTIFIC SATELLITE "ESRO 2A" WITH THE NASA LAUNCHER "SCOUT" FROM THE WESTERN TEST RANGE IN CALIFORNIA. THE MISSION WAS UNSUCCESSFUL DUE TO A FAILURE OF THE LAUNCHER FOURTH STAGE. THE SATELLITE WAS DESIGNED AND MANUFACTURED BY HAWKER SIDDELEY DYNAMICS (UK) AS PRIME CONTRACTOR.

Cover with manual postmark of Lompoc Center (a control center for non military mission) within Vandenberg AFB at the date of launch.



KENYON SPACE CENTER
 Philatelic Society
 P. O. Box 21148
 Kennedy Space Center, Fla. 32818

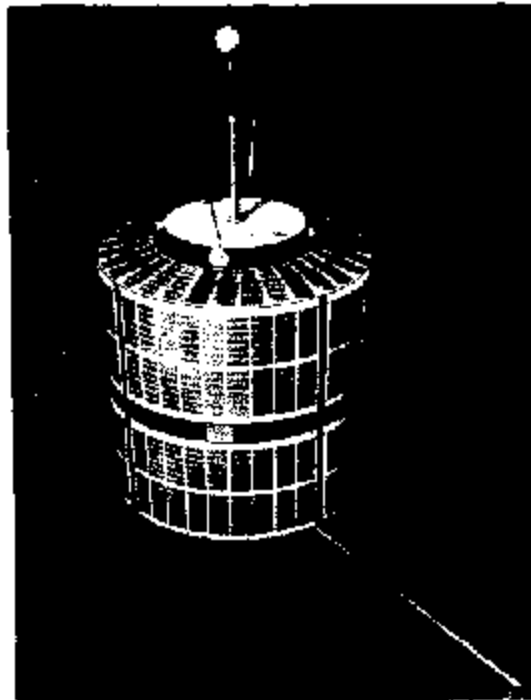
ESRO ORGANIZATION. A SECOND LAUNCH ON MAY 16th 1968 FROM THE SAME RANGE AS WELL AS LAUNCHER WAS SUCCESSFUL. The cover shows the postmark of Vandenberg AFB.



Belgium, Britain, France, Holland, Italy, West Germany
 Denmark, Netherlands, Spain, Sweden, Switzerland

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ESRO ORGANIZATION - OCTOBER 3rd 1968 - LAUNCH OF THE SECOND SCIENTIFIC SATELLITE NAMED ESRO 1A "AURORA" FROM WESTERN TEST RANGE IN CALIFORNIA WITH THE NASA LAUNCHER "SCOUT". LATER ON OCTOBER 1st 1969 A SIMILAR SATELLITE ESRO 1B "BOREAS" WAS THEN LAUNCHED FROM THE SAME BASE AND WITH THE SAME LAUNCHER BUT IN A SLIGHTLY DIFFERENT ORBIT FOR CROSSING THE CONTEMPORARY MEASUREMENT. THE SATELLITES WERE DESIGNED BY LABORATOIRE CENTRAL DE TELECOMMUNICATIONS IN PARIS AND BELGIAN BELL TELEPHONE. Two covers with postmark of Vandenberg AFB at the launch date.



ESRO-1 COOPERATIVE PROGRAM SATELLITE TO STUDY POLAR PHENOMENA. Esro-1 was built in Europe but launched in the U.S.A. under program between the 10 nation European Space Research Organization (ESRO) and the U.S. National Aeronautics and Space Administration NASA.



ESRO 1B MULTI-NATION ROCKET

European Space Research Organization Experiment by U.S.A., Belgium, Denmark, France, W. Germany, Italy, Netherlands, Spain, Sweden, Switzerland and United Kingdom.

C. SARZIN
PORT WASHINGTON
L. I., NEW YORK

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ESRO ORGANIZATION. "HEOS SATELLITE" THE HEOS 1, FIRST PROBE IN A CISELUNAR ORBIT, HAS BEEN LAUNCHED BY A DELTA FROM CAPE CANAVERAL BASE IN FLORIDA ON DECEMBER 5th 1968. A SECOND SATELLITE HEOS 2 WAS THEN LAUNCHED FROM VANDERBERG AFB IN CALIFORNIA WITH ANOTHER NASA DELTA VEHICLE ON JANUARY 31st 1972 BOTH INTO ELLIPTICAL ORBITS. PRIME CONTRACTOR WAS THE GERMAN MBB IN OTTOBRUN.

Covers manually cancelled in Cape Canaveral and Lompoc/Vanderberg AFB at the launch date.

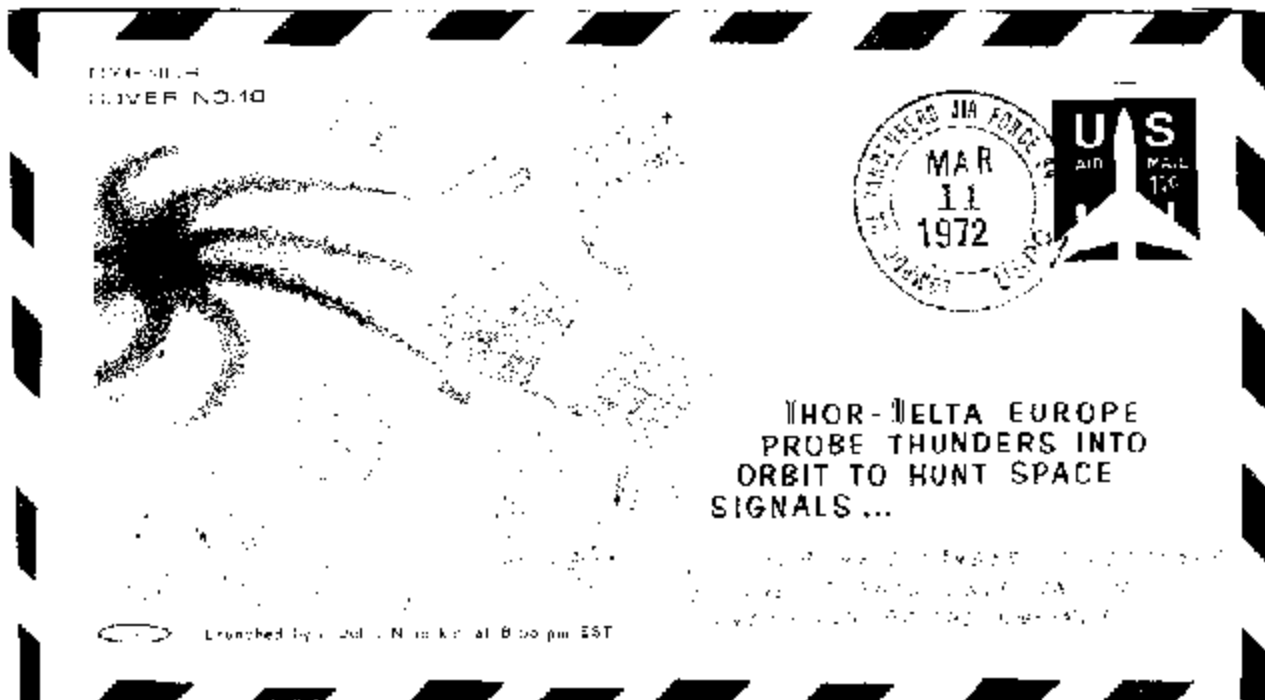


HEOS (Highly Eccentric Orbit Satellite)
 Launched by 11 nation team. To take
 precise measurements of the magnetic field
 fields coming from the sun.

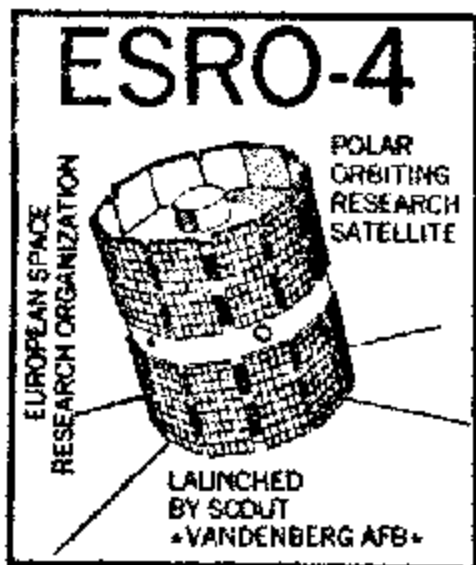


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ESRO ORGANIZATION - MARCH 11th 1972 - LAUNCH OF TD1 (PER THOR DELTA THE LAUNCHER) SATELLITE , DEDICATED TO ASTRONOMY, FROM WESTERN TEST RANGE IN CALIFORNIA. PRIME CONTRACTOR WAS ENIGNS MATRA WITH ERNO , SAAB AND HSD. ON BOARD THERE WERE TWO EXPERIMENTS OF MILAN UNIVERSITY. Cover with manual red postmark of Lompoc Center, the Control Center for non military satellites, at Vandenberg AFB.



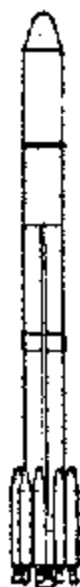
ESRO ORGANIZATION - NOVEMBER 22nd 1972 LAUNCH OF ESRO 4 SCIENTIFIC SATELLITE FROM VANDERBERG AFB WITH A NASA "SCOUT" LAUNCHER. PRIME CONTRACTOR WAS ENGLISH HSD. Cover with mechanical postmark of Vandenberg AFB on the launch date.



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ESRO ORGANIZATION - AUGUST 8th 1975 - LAUNCH OF SCIENTIFIC SATELLITE "COS B" FOR GAMMA RAY OBSERVATIONS. THE PRIME CONTRACTOR WAS MBB WITH BAC, AEROSPATIALE AND ETCA CONTRIBUTIONS. ITALIAN SELENIA WAS RESPONSIBLE OF THE ON BOARD COMPUTER AND TELECOM PACKAGE. Cover with mechanical postmark of Vandenberg AFB on the launch date.

EUROPEAN COSMIC SATELLITE



To Study Intensity Of Gamma Ray Flux, Supernova Remnants & Time Variations In X-Ray Sources & Characteristics Of Pulsars In X-Ray & Radio Wavelengths.

EUROPEAN SPACE AGENCY - OCTOBER 22nd 1977 - ISEE 2 (INTERNATIONAL SUN/EARTH EXPLORER) SATELLITE. A NASA/ESA JOINT MISSION FOR MAGNETOSPHERE STUDY WITH LAUNCH FROM CAPE CANAVERAL WITH A DELTA. PRIME CONTRACTOR WAS DORNIER SYSTEM. ESA covers with mechanical postmark of Cape Canaveral



COOPERATION NASA - ESA



COLORADO



LANCEMENT DU SATELLITE ISEE-B - CAP CANAVERAL
LAUNCHING OF ISEE-B SATELLITE - CAPE CANAVERAL

№ 01910

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ESRO ORGANIZATION / ESA - GEOS SATELLITES FOR EARTH MAGNETOSPHERE RESEARCH. THE FIRST SATELLITE HAS BEEN LAUNCHED FROM CAPE CANAVERAL IN FLORIDA ON APRIL 20th 1977 WITH A DELTA LAUNCHER AS THE GEOS 2 IN JULY 14th 1978 BOTH SUCCESSFUL. PRIME CONTRACTOR WAS ENGLISH BAE WITH SUPPORT OF ITALIAN CGE FIAR AND MONTEDEL.

Both covers from ESA Filat.Club with number and Cape Canaveral .postmark



LANCLEMENT DU SATELLITE GEOS - CAP CANAVERAL
LAUNCHING OF GEOS SATELLITE - CAPE CANAVERAL

2592



LANCLEMENT DU DEUXIEME SATELLITE GEOS - CAP CANAVERAL
LAUNCHING OF THE SECOND GEOS SATELLITE - CAPE CANAVERAL

Nº 12376

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ESA PROGRAMME "OTS ORBITAL TEST SATELLITE" -FIRST EXPERIMENTAL GEOSTATIONARY TELECOMMUNICATIONS SATELLITE. THE FIRST LAUNCH ON SEPTEMBER 13th 1977 FAILED FOR DELTA LAUNCHER PROBLEM WHILE THE SECOND ONE ON MAY 11th 1978 WAS SUCCESSFUL. Two envelopes prepared by ESTEC Philat. Club with postmark of Cape Canaveral and a rubber stamp in red for the first launch failure.



NON SATELLISÉ

LANCEMENT DU SATELLITE OTS - CAP CANAVERAL
LAUNCHING OF OTS SATELLITE - CAPE CANAVERAL

N^o 00165



Alaska 1791
Cape JAMES COOK
1960 USA

DEUXIEME LANCEMENT DU SATELLITE OTS - CAP CANAVERAL
SECOND LAUNCH OF OTS SATELLITE - CAPE CANAVERAL

N^o 00831

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ESA - "METEOSAT PROGRAM" A SERIES OF GEOSTATIONARY SATELLITES FOR METEOROLOGY. THE METEOSAT 1 HAS BEEN LAUNCHED BY A DELTA FROM CAPE CANAVERAL ON NOVEMBER 23rd 1977. THE OTHERS METEOSAT 2,3,4,5,6 AND 7 WERE LAUNCHED BY KOUROU RANGE USING EUROPEAN ARIANE (THE 2 ON JUNE 19th 1981, 3 ON JUNE 15th 1988, 4 ON MARCH 6th 1989, 5 ON MARCH 2nd 1991, 6 ON NOVEMBER 20th 1993 AND 7 ON SEPTEMBER 2nd 1997. PRIME CONTRACTOR WAS THE FRENCH AEROSPATIALE WITH COSMOS INDUSTRIAL CONSORTIUM.

The first launch is remembered by ESA cover numbered and with Cape Canaveral postmark while the others are carrying the Kourou postmark on the Ariane launch dates.



CONSORTIUM COSMOS
PRIME CONTRACTOR
ALBERTELLI



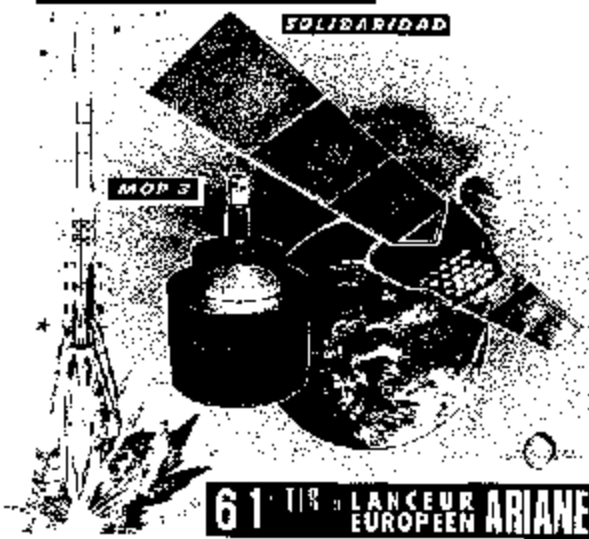
JULY 4, 1976

Nº 01406

ARIANE 44 LP

SOLIDARIDAD

MOP 3



61 TIR LANCEUR EUROPEEN ARIANE



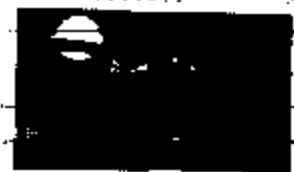
**SOLIDARIDAD
3 1
MÉTÉOSAT 6
(MOP 3)**



Code No. 01406 - 1993
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ESA - IUE (INTERNATIONAL ULTRAVIOLET EXPERIMENT) - FIRST ASTRONOMY SATELLITE IN GEOSTATIONARY ORBIT FOR A JOINT NASA /ESA MISSION ON ULTRAVIOLET WAVELENGTHS. IT WAS LAUCHED FROM CAPE CANAVERAL WITH A DELTA 2914 ON JANUARY 26th 1978 AND HAS BEEN OPERATIVE FOR 18 YEARS.. ESA cover with Cape Canaveral mechanical postmark on the launch date.

COOPERATION NASA - ESA



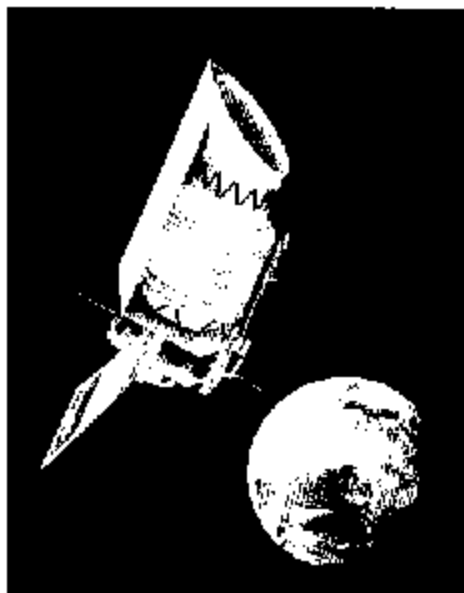
LANCLEMENT DU SATELLITE IUE — CAP CANAVERAL
LAUNCHING OF IUE SATELLITE — CAPE CANAVERAL

N° 01740

ESA - ISO (INFRARED SPACE OBSERVATORY SATELLITE " - FIRST ASTRONOMY SATELLITE IN I.R. FREQUENCIES LAUNCHED BY ARIANE/ FLIGHT 80 ON NOVEMBER 16th 1980. CNES envelope with Kourou manual cachet and rubber stamps of ESTEC and CSG.

"ARIANE V 80"

ASB PH 80001...
AGENCE SPATIALE EUROPEENNE (ESA)



ISO en orbite, vue d'artiste Doc. CNES



Association Philatélique du CNES
18, Avenue Edouard Belin
31055 TOULOUSE CEDEX - France

DOCUMENT PHILATÉLIQUE
Tirage limité à 1 000 exemplaires,
numérotés de A 100 à B 1000

0818

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ESA " SIRIO 2 " – ESA ACQUIRED THE SPARE UNIT OF SIRIO SATELLITE AND WITH AERITALIA PRIMECONTRACTORSHIP MODIFIED THE SATELLITE FOR INCLUDING TWO METEOROLOGICAL EXPERIMENTS MDD AND LASSO : THE SATELLITE WAS LOST IN THE SECOND FAILURE OF ARIANE LAUNCHER ON SEPTEMBER 10th 1982. ESA cover with Kourou postmark and red rubber stamp for mission unsuccess.

Lancement du/ Launch of
SATELLITE



NON SATELLISÉ



NOT IN ORBIT

ESA " EXOSAT " SATELLITE FOR X RAY OBSERVATIONS LAUNCHED WITH A DELTA FROM VANDERBERG AFB IN CALIFORNIA.

EXOSAT - Satellite européen
d'observation du rayonnement X



ROBERT ROYCE
1122 EAST 10TH AVE
SPOKANE, IDAHO 83402

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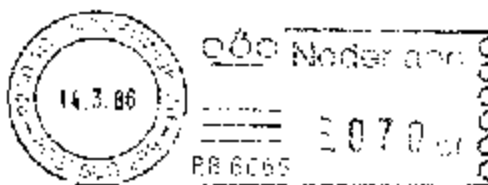
ESA - "GIOTTO" MISSION - FIRST PROBE IN ALL THE WORLD TO BE LAUNCHED FOR ENCOUNTERING THE HALLEY COMET. THE LAUNCH ON JULY 2nd 1985 WITH ARIANE FROM KOUROU HAS BEEN SUCCESSFUL SUCH AS THE ENCOUNTER WITH THE COMET ON MARCH 14th 1986. AFTER 12000 IMPACTS CROSSING THE COMET TAIL THE SATELLITE WAS SWITCHED OFF AND REACTIVATED THREE YEARS AFTER FOR ANOTHER ENCOUNTER WITH GRIGG-SKJELLERUP COMET. BRITISH AEROSPACE WAS THE PRIME CONTRACTOR. ESA covers commemorating the launch event from Kourou on 1985 and red mechanical postmark of ESTEC in Holland for the Halley comet encounter on March 14th 1986.

Commemoration of the Giotto spacecraft launch
Commemoration du lancement de la sonde GIOTTO



Official cover produced by ESTEC PHILATELIC CLUB
P.O. Box 299 2200 AG NOORDWIJK The Netherlands

Nº 0638



Official cover produced by ESTEC PHILATELIC CLUB
P.O. Box 299 2200 AG NOORDWIJK The Netherlands

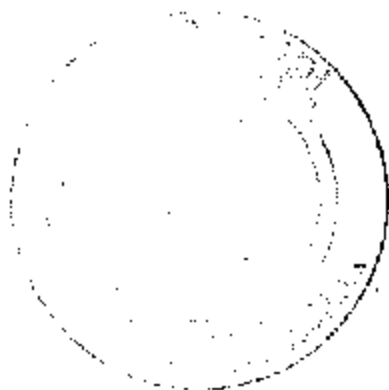
UNITED EUROPE IN SPACE

ESA - "GIOTTO" PROBE ENCOUNTER WITH HALLEY COMET

Cover cancelled in Barstow (California) where is the DEEP SPACE CENTER of Goldstone in USA, following the mission, with NASA JPL Goldstone rubber stamp and ESA cachet for its first interplanetary mission.

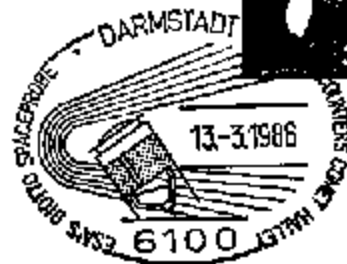
GIOTTO

RENCONTRE AVEC LA
COMETE DE HALLEY



BARSTOW, CALIFORNIA
115400-1100
USA 13-3-1986

ESOC Darmstadt cover for the "Giotto" probe encounter with Halley's comet, with German special postmark, on stamp issued for the event and ESOC rubber stamp.



European Space Operations Centre
(E S O C)
Robert Bosch-Str. 5
D-6100 Darmstadt (Germany)

UNITED EUROPE IN SPACE

ESA PROGRAMME - "GIOTTO" THE ENCOUNTER WITH HALLEY'S COMET WAS THE SUBJECT FOR THE ISSUE OF A 22p. STAMP BY THE ENGLISH POST OFFICE. AND WAS USED BY BRITISH INTERPLANETARY SOCIETY FOR MARKING THIS SPECIFIC COVER PREPARED BY THE SOCIETY AND CANCELLED WITH A SPECIAL POSTMARK IN FILTON (BRISTOL) IN UK WHERE THERE WERE THE PREMISES OF BRITISH AEROSPACE , THE PRIME CONTRACTOR OF GIOTTO PROBE. ON THE DAY OF THE ENCOUNTER .

HALLEY'S COMET INTERCEPTOR
GIOTTO

HALLEY'S COMET INTERCEPTOR
GIOTTO
ENCOUNTER DAY
13 - 3 - 86
FILTON BRISTOL

British Interplanetary Society
27/29 South Lambeth Road, London, SW8 1SZ

UNITED EUROPE IN SPACE

ESA PROGRAMME "GEM-GIOTTO EXTENDED MISSION" - AFTER THE HALLEY COMET ENCOUNTER THE GIOTTO PROBE WAS HIBERNATED (SWITCHED OFF) AND WAS REACTIVATED SUCCESSFULLY ON FEBRUARY 19th 1990 FOR EXPLOITING ANOTHER MISSION THE ENCOUNTER WITH GRIGG SKJELLERUP COMET THAT HAPPENED ON JULY 10th 1992 . Envelope issued and cancelled in Darmstadt where the mission control center was operating on the encounter date.

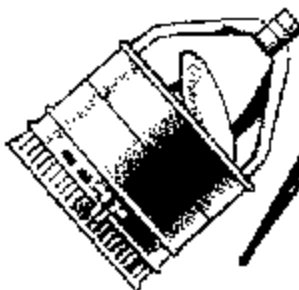
March 13-14, 1986 european space agency
 G. GIOTTO flies within 600 km. of Halley's Comet

★ REACTIVATION FEB. 19, 1990
 ★ EARTH PASSES FEB. 26, 1992

Comparative study of long-period
 Halley (75 years) and short-period
 Grigg-Skjellerup (5.75 years) will
 give insight into origin of comets.



ESA



FIRST SPACE PROBE IN HISTORY
 TO VISIT TWO COMETS

GEM (GEMINI)

GIOTTO EXTENDED MISSION

On July 10, 1992

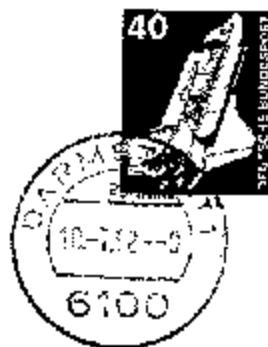
GIOTTO

Passes Within
 1000 km. of the
 Short-period comet
 Grigg-Skjellerup

DARMSTADT
 MISSION CONTROL



PRIMARY
 TRACKING
 STATIONS:
 Madrid DEN
 Perth AU



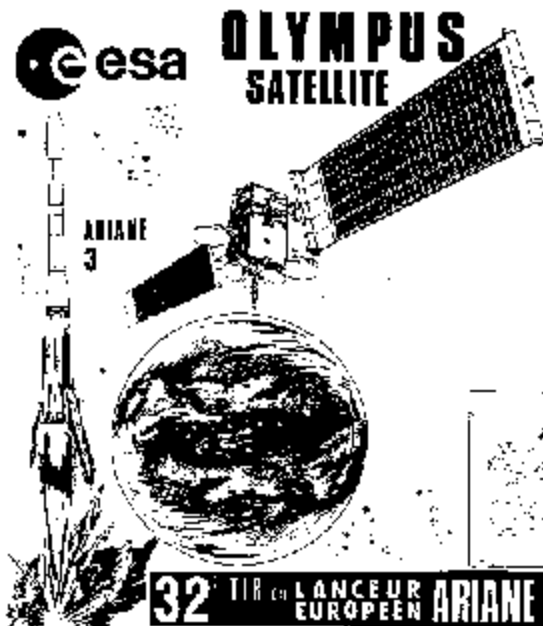
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ESA - " OLYMPUS SATELLITE " THIS WAS THE BIGGEST TELECOMMUNICATIONS SATELLITE IN THE WORLD (THREE TONS) AND HAS BEEN LAUNCHED BY ARIANE FROM KOUROU RANGE ON JULY 11th 1983 . THE QUALIFICATION MODEL HAD TO GO IN PASADENA AT JPL FOR SOLAR SIMULATION TESTS BECAUSE THE NOODWIJK CHAMBER WAS NOT ENOUGH. USA cover for SST at JPL with postmark of Pasadena and ESA cover for Kourou launch of Ariane 3 /32 flight on 1983.



The World's Most Powerful Communications Satellite

Solar Simulation Tests At JPL



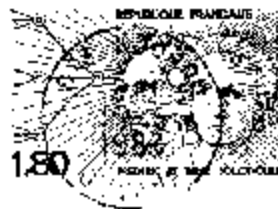
Distribuzione in Italia
Distribuzione in Francia
Distribuzione in Germania
Distribuzione in Spagna
Distribuzione in Svezia


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ESA - ECS (EUROPEAN COMMUNICATIONS SATELLITE) PROGRAMME - WITH THE EXPERIENCE GAINED FROM OTS SATELLITE , ESA STARTED THE DESIGN OF OPERATIVE SATELLITES FOR EUROPEAN TELECOMMUNICATIONS . THE FIRST SATELLITE WAS LAUNCHED BY ARIANE IN KOUROU RANGE ON JUNE 16th 1983 AND THE SECOND ONE UTILIZED THE NEW ARIANE 3 ON AUGUST 4th 1984.

ECS - 1
European Communications Satellite

Commemoration of the satellite launch
Commemoration du lancement du satellite



 Official cover produced by Estec Philatelic Club,
POB 299 - 2200 AG Noordwijk ZH (NL).

Nº 0401



Commemoration of the ECS-2 satellite launch
Commemoration du lancement du satellite



Official cover produced by Estec Philatelic Club,
P.O. Box 299 - 2200 AG Noordwijk ZH (NL)

Nº 0086

UNITED EUROPE IN SPACE

ESA - ECS PROGRAMME - LAUNCH OF EUROPEAN TELECOMMUNICATIONS SATELLITE
 ECS 4 ON SEPTEMBER 15th 1987 FROM KOUROU WITH ARIANE 3 / FLIGHT 19 AND
 ECS 5 LAUNCH 5 ON JULY 21st 1988 ALWAYS FROM KOUROU WITH ARIANE 3 / V 24.

Commemoration of the ECS-4 satellite launch
 Commémoration du lancement du satellite ECS-4

TIR ARIANE-3-VOL-19
 15 SEPT 1987 HL 21H

REPUBLIQUE FRANÇAISE



Official cover produced by ESTEC PHILATELIC CLUB
 P.O. Box 299 2200 AG NOORDWIJK The Netherlands

Nº 1054

Commemoration of the ECS-5 satellite launch
 Commémoration du lancement du satellite ECS-5

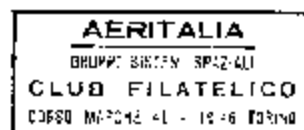


Official cover produced by ESTEC PHILATELIC CLUB
 P.O. Box 299 2200 AG NOORDWIJK The Netherlands

Nº 0137

UNITED EUROPE IN SPACE

ESA "HIPPARCOS" SATELLITE - FIRST ASTROMETRY MISSION, THE NAME STANDS FOR THE GREEK ASTRONOMER AND ALSO FOR "HIGH PRECISION PARALLAX COLLECTING SATELLITE". LANCHED IN KOUROU AT ELA 2 THE MISSION IN SPITE OF INITIAL PROBLEMS WAS SUCCESSFULLY RECOVERED USING ATTITUDE CONTROL PROPULSION. FRENCH MATRA MARCONI WAS PRIME CONTRACTOR WITH AERITALIA IN TURIN AS CO PRIME. ESA & AERITALIA covers with dynamic test completion at INTESPACE in TOULOUSE and postmark of launch in Kourou.



N. 352 / 600

HIPPARCOS

ENVIRONMENTAL DYNAMIC TESTS
COMPLETION
ON SATELLITE PROTOFLIGHT MODEL
AT INTESPACE FACILITIES
TOULOUSE - January 1988

Commemoration of the Hipparcos satellite launch
Comémoration du lancement du satellite Hipparcos



Official cover produced by ESTEC PHILATELIC CLUB
P. O. Box 299 2100 AG NOORDWIJK The Netherlands



Nº 0251

UNITED EUROPE IN SPACE

NASA - HUBBLE SPACE TELESCOPE MISSION - THE US TELESCOPE CARRIED ON BOARD AN EUROPEAN INSTRUMENT - FAINT OBJECT CAMERA - FOC - FOR OBSERVING SCARCELY ILLUMINATED OBJECTS AND WAS LAUNCHED INTO ORBIT FROM SPACE SHUTTLE STS 31 ON APRIL 24th 1990. ESA cover manually cancelled at KSC on launch date.

COOPERATION NASA-ESA



Lancement du Télescope Spatial Hubble
Launching of the Hubble Space Telescope



Nº 12

ESA/NASA JOINT MISSION - ULYSSES - THE PROBE WAS MANUFACTURED IN EUROPE BY STAR CONSORTIUM LED BY GERMAN DORNIER WITH ITALIAN PARTICIPATION OF FIAT (ON BOARD POWER SUPPLY), GALILEO (SUN SENSORS) AND LABEN (ON BOARD COMPUTER) ESA cover cancelled with special mechanical postmark reproducing the probe realized at ESA ESTEC Noordwijk post office on the launch date October 6th 1990.

COOPERATION NASA-ESA



Lancement du satellite ULYSSE
Launching of ULYSSES satellite



Nº 217

UNITED EUROPE IN SPACE

ESA - "ERS" (EUROPEAN REMOTE SENSING SATELLITE) PROGRAM - SATELLITE FOR EARTH RADAR OBSERVATION LAUNCHED WITH ARIANE 4 FROM KOUROU ELA 2 RANGE ON JULY 17th 1991 AND ON APRIL 21st 1995 (ERS 2). PRIME CONTRACTOR WAS GERMAN DORNIER WITH MATRA MARCONI , ALENIA SPAZIO AND BRITISH AEROSPACE . IN ERS 2 PARTECIPATED ALSO ITALIAN GALILEO WITH "GOME" EXPERIMENT.

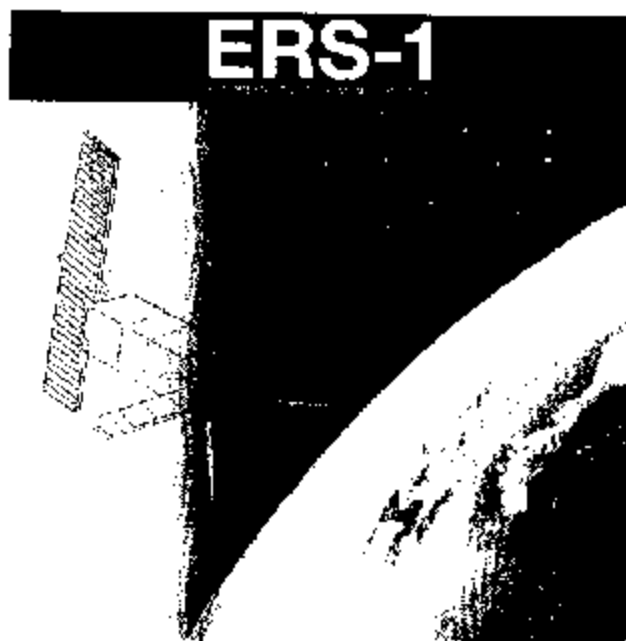
ESA covers with Kourou special postmark for launches, FDC of Germany issued stamp for this Earth observation satellite and red mechanical stamp of ESTEC center in Noordwijk.



Lancement du satellite ERS-1
Launching of ERS-1 satellite



Nº 255



ESA - EGGC
Robert-Rosch Str. 6 - 6100 Darmstadt



UNITED EUROPE IN SPACE

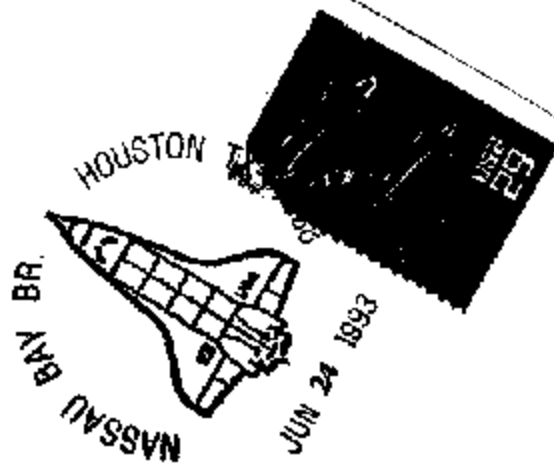
ESA - " EURECA (EUROPEAN RETRIEVABLE CARRIER) MISSION ". IT WAS A PLATFORM WITH ON BOARD A SERIES OF EXPERIMENT TO BE LEFT IN ORBIT AT LEAST ONE YEAR. ON JULY 31st 1992 SHUTTLE DELIVERED IN ORBIT THE PLATFORM WITH FLIGHT STS 46 AND THEN WAS RECOVERED DURING MISSION STS 57 ON JUNE 24th 1993. PRIME CONTRACTOR WAS ERNO MBB AND AERITALIA DESIGNED THE CARBON FIBER PRIMARY STRUCTURE.

The two ESA covers has been postmarked at KSC on the day of Shuttle start : one is made using an USA hologram postal envelope manu cancelled at KSC while the second one has the Shuttle KSC usual postmark.

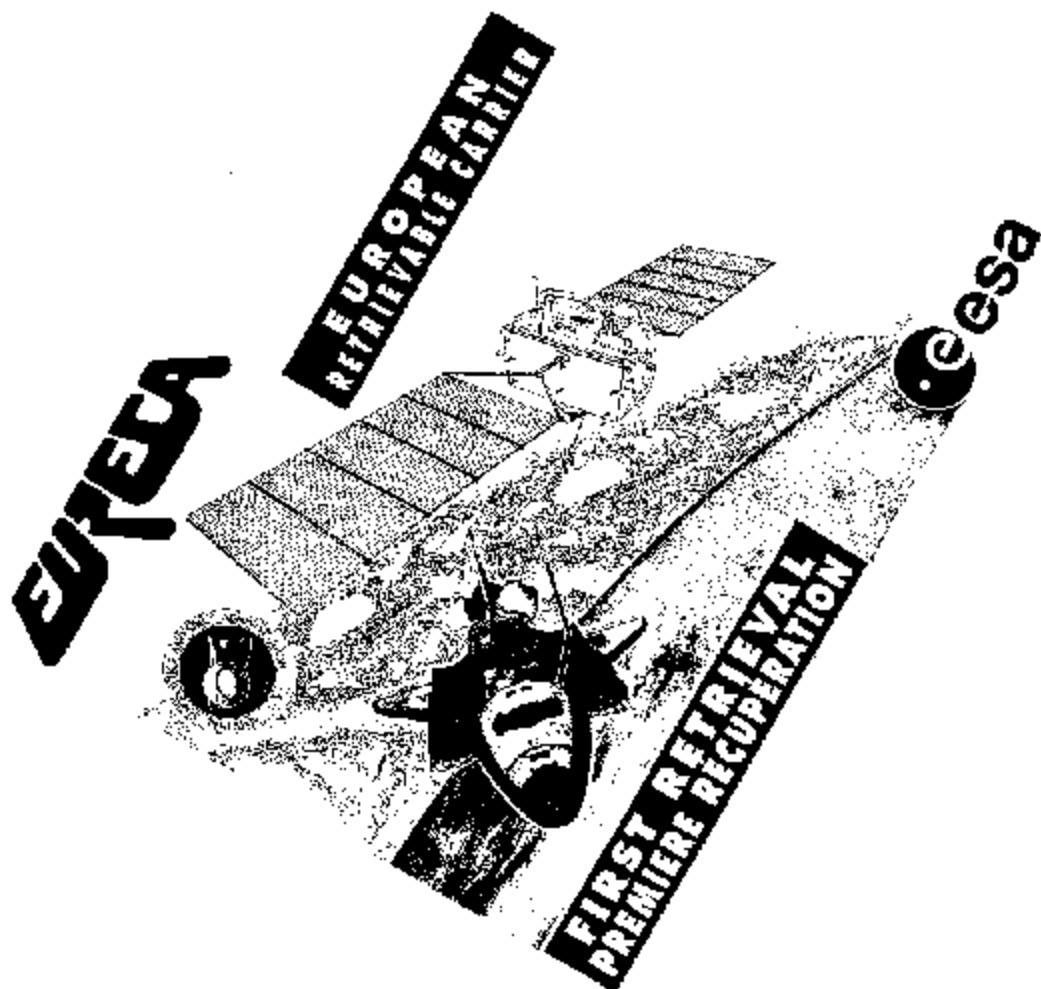


UNITED EUROPE IN SPACE

ESA - EURECA (EUROPEAN RETRIEVABLE CARRIER) MISSION - RECOVERY OF THE PLATFORM IN ORBIT AFTER ONE YEAR OF OPERATION ON JUNE 24th 1993



POSTAGE WILL BE PAID BY ADDRESSEE
NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES



UNITED EUROPE IN SPACE

MISSIONE NASA/ESA/ASI "SOHO SOLAR AND HELIOSPHERIC OBSERVATORY" -
LAUNCH OF EUROPEAN SCIENTIFIC SATELLITE "SOHO" " WITH ON BOARD THE
EXPERIMENT UVCS (ULTRA VIOLET CORONOGRAPH SPECTROMETER)
MANUFACTURED IN ALENIA SPAZIO WITH T...ASTRONOMY OBSERVATORY
COLLABORATING WITH ITALIAN SPACE AGF...
THE LAUNCH CAME ON DECEMBER 2nd 1990
FROM KENNEDY SPACE CENTER
AS APPEARS IN THE ESA COVER
MANUALLY CANCELLED AT KSC.



National Aeronautics and
Space Administration
John F. Kennedy Space Center
Kennedy Space Center, Florida 32899
OFFICIAL BUSINESS
Penalty for Private Use \$300



UVCS (Ultra Violet Coronagraph Spectrometer)
A joint ASI/NASA program for the investigation
of the Sun and the Solar Corona by a dedicated
scientific instrument SOHO.
AESA made it the ASI/NASA Solar and Heliospheric
Observatory for the investigation
of the Sun and the Solar Corona by a
dedicated scientific instrument SOHO.



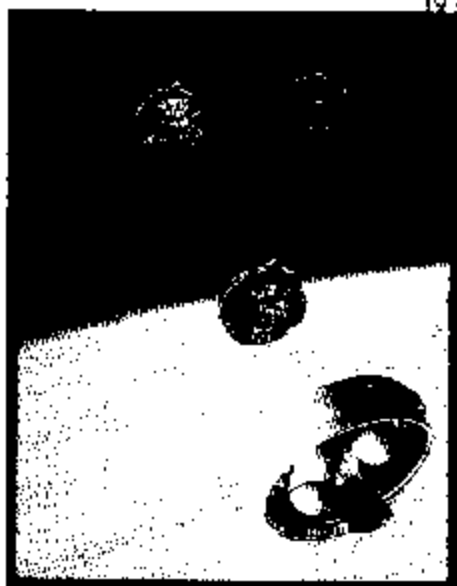
UNITED EUROPE IN SPACE

ESA PROGRAMME "CLUSTER" - SCIENTIFIC SATELLITES FOR STUDY AND OBSERVATION OF EARTH MAGNETOSPHERE. THE FIRST GROUP OF FOUR PROBES WERE LAUNCHED WITH THE FIRST LAUNCH OF ARIANE 5 ON JUNE 4th 1996 FROM ELA 3 IN KOUROU AND LOST IN THE FAILURE OF THE LAUNCHER: THEY WERE RECONSTRUCTED AND LAUNCHED IN COUPLE TWO PER TIME : FM6 AND 7 ON JULY 16th 2000 AND FM5 AND 8 ON AUGUST 9th 2000 FROM BAYKONOUR COSMODROM WITH SOYUZ FREGAT. PRIME CONTRACTOR WAS DORNIER WITH ITALIAN FIAR (ON BOARD POWER SUBSYSTEM) AND LABEN (ON BOARD COMPUTER). CNES envelope with old Kourou postmark and ESA HQ rubber stamp.

"ARIANE 501"

NON SATELLISÉ

AS PUBLIÉ PAR LES - 19, ALL. DEIN - 31065 TOULOUSE CEDEX
AGENCE SPATIALE EUROPÉENNE (ESA)



Largage des Clusters

Doc. CNES

CENTRE NATIONAL D'ÉTUDES SPATIALES



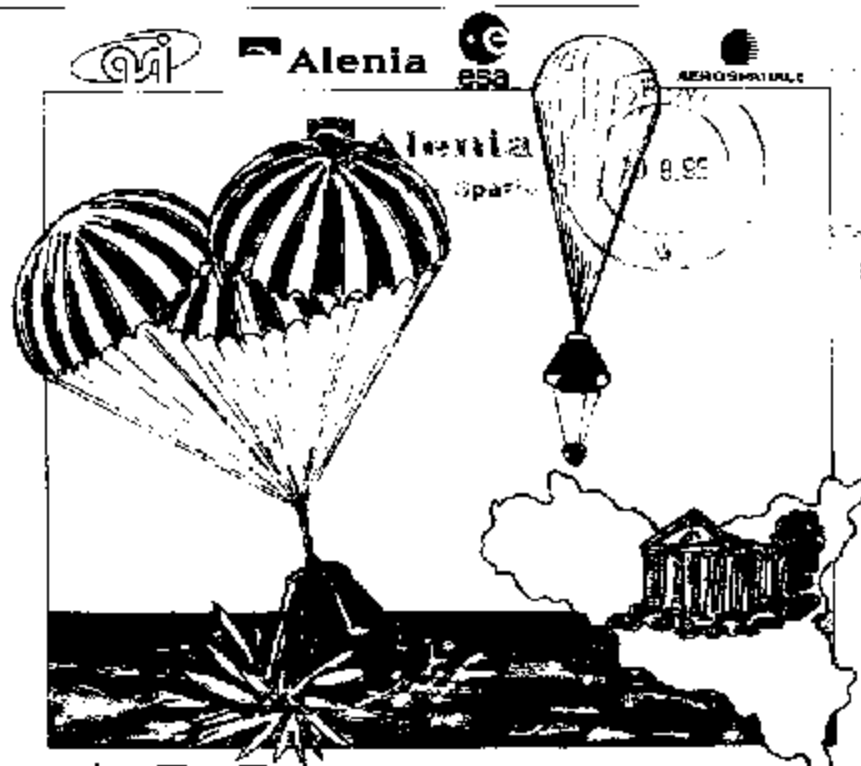
Association Philatélique du CNES
12, Avenue Fikouard Hely
31065 TOULOUSE CEDEX France

DOCUMENT PHILATÉLIQUE
Trappe limité à 100 exemplaires.
numérotés de 1 à 100 N°

0268

UNITED EUROPE IN SPACE

ESA PROGRAMME "ARD- ATMOSPHERIC REENTRY DEMONSTRATOR" - STUDY AND DESIGN OF A REENTRY CAPSULE LAUNCHED ON OCTOBER 21st 1998 BY ARIANE 5 IN KOUROU WITH FLIGHT 503 FROM ELA 3 BASE . LANDED ON THE INDIAN OCEAN IN THE SAME DAY AFTER A FLIGHT OF 100 MINUTES. PRIME CONTRACTOR WAS THE FRENCH AEROSPATIALE WITH DASA, MATRA MARCONI SPACE , SABCA AND ALENIA SPAZIO RESPONSIBLE FOR REENTRY AND LANDING SUBSYSTEMS. ALENIA covers for flight test on Mediterranean sea on July 1996 from the ASI base of Trapani Milo.



ARD
ATMOSPHERIC REENTRY DEMONSTRATOR

1^o VOLO DI PROVA
TRAPANI

VOLO EFFETTUATO
MISSIONE COMPLETATA
TEST NON SUCCESSOSI

Alenia

Alenia Spazio S.p.A

Corso Marche 41 - 90146 Trapani
Telefono 0923 749220
Fax 0923 722007 - 724002

CLUB FILATELICO
Trapani



Disegno di R. TURANO



Luigi Bussolino
Alenia Spazio
Cso Marche 41
90146 Trapani

UNITED EUROPE IN SPACE

ESA PROGRAMME "ARD - ATMOSPHERIC REENTRY DEMONSTRATOR". THE CAPSULE WAS LAUNCHED FROM KOUROU ON JUNE 15th 1998 AND WAS USED AS FIRST EUROPEAN SPACE COURIER CARRYING ON BOARD 1920 COVERS RECOVERED IN THE PACIFIC OCEAN.

Atmospheric Reentry Demonstrator

PASSAGER ARIANE 503







Le premier véhicule de rentrée européen ARD

AR 503
V 112

PHILATELIE SPATIALE
B.P. 306
97378 KOUROU Cedex

00333 / 0500 ARIANE 503



ARD
RECUPERATION
OCEAN PACIFIQUE
22-10-98
LEVÉE DES BOUTES AUX LETTRES
10-10-98

PREMIER COURRIER SPATIAL EUROPEEN
1328
1980 enveloppes embarquées





ariane lancement
21 OCT 98 503



ENTENTE PHILATELIQUE
ESA - AEROSPATIAL F - SEP div. Saecma
33160 SAINT MEDARD EN JALLES

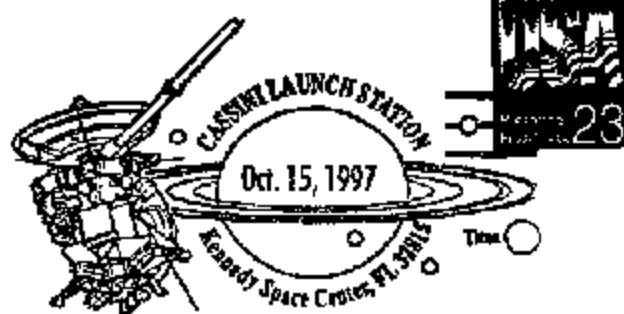
UNITED EUROPE IN SPACE

NASA PROGRAMME "CASSINI" - INTERPLANETARY PROBE TO SATURN - ON BOARD OF THE PROBE THERE WAS AN ESA LANDER NAMED "HUYGENS" FOR STUDYING THE ATMOSPHERE AND SOIL OF SATURN'S MOON TITAN. LAUNCHED FROM KSC WITH A TITAN IV ON OCTOBER 15th 1997 "CASSINI" WAS ALSO EQUIPPED WITH A 4 M. DIAMETER ANTENNA, DESIGNED IN ITALY BY ALENIA SPAZIO IN ROME, FOR THE INTERPLANETARY TELECOMMUNICATIONS. Two American covers with special postmarks for the launch October 15th 1997 and for the reaching of Saturn's orbit.

CASSINI



MISSION TO SATURN



CASSINI-HUYGENS

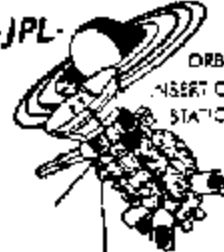
MISSION TO SATURN & TITAN



ORBIT INSERTION JUNE 30, 2004

CASSINI

-JPL-



PASADENA, CA 91109
JUNE 30, 2004

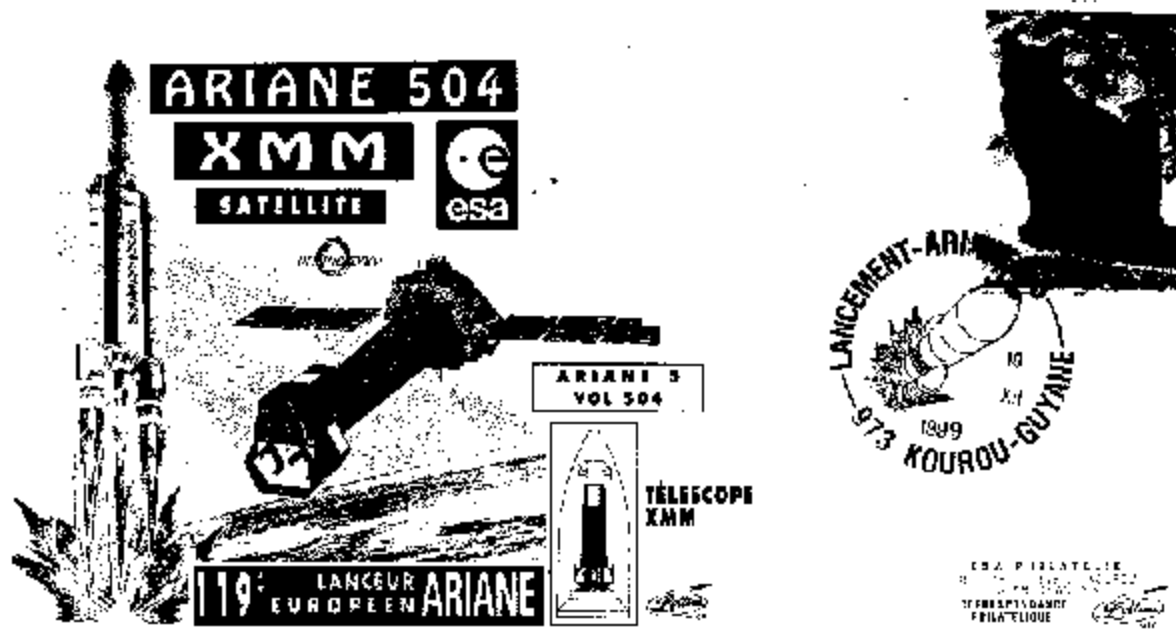


MISSION CONTROL
NASA JET PROPULSION
LABORATORY
PASADENA, CALIFORNIA

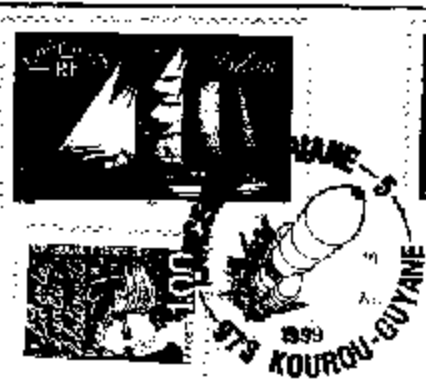


UNITED EUROPE IN SPACE

ESA PROGRAMME - "XMM NEWTON XRAY TELESCOPE" - A BIG TELESCOPE, MORE THAN 8 METER LONG, LAUNCHED BY ARIANE 5 ON FLIGHT 504 (119th FLIGHT FROM THE PROGRAMME START) FROM KOUROU ELA 3 RANGE ON DECEMBER 10th 1999.
Two covers with Kourou postmark and Arlanespace flight indication.



0005 / 00 100



LANCEMENT
ARIANE
10 DEC. 1999
arlanespace



LANCEMENT V119/504
10 DEC 1999 KOUROU
HL: 11H32 ELA.3
ARIANE TYPE 5
SATELLITE X.M.M

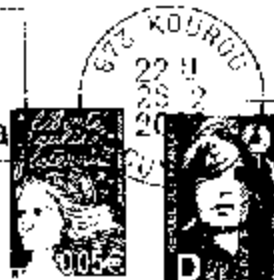
PHILATELIE SPATIALE
B.P. 308
F - 97378 KOUROU CEDEX

UNITED EUROPE IN SPACE

ESA PROGRAMME " ARTEMIS " - FIRST EUROPEAN BIG DATA RELAY SATELLITE LAUNCHED IN ELA 3 RANGE IN KOUROU BY ARIANE 5 ON JULY 12th 2001. PRIME CONTRACTOR WAS ALENIA SPAZIO WITH FIAT AVIO RESPONSIBLE OF PROPULSION, FIAR FOR ON BOARD POWER SUPPLY AND TELESPAZIO FOR GOUND SEGMENT . Lollini envelope with Kourou postmark on the launch date.



ESA PROGRAMME " ENVISAT " IT WAS THE MOST COMPLEX EUROPEAN EARTH OBSERVATION SATELLITE LAUNCHED BY ARIANE 5 IN KOUROU ON MARCH 1st 2002. ALENIA SPAZIO WAS RESPONSIBLE OF MIPAS (HIGH ATMOSPHERE INTERFEROMETER). Lollini envelope with Kourou postmark at the launch date.



UNITED EUROPE IN SPACE

ESA PROGRAMME " INTEGRAL " - ASTROPHYSICS LABORATORY WITH A TELESCOPE FOR OBSERVING STARS IN THE GAMMA RAY WAVELENGTH. LAUNCHED BY A RUSSIAN " PROTON " BY BAYKONOUR RANGE ON OCTOBER 17th 2002. Lollini cover with postmark of Baykonour and Proton on the launch day.

INTEGRAL



INTERNATIONAL GAMMA-RAY
ASTROPHYSICS LABORATORY



PROTON

488820 BAYKONUR
R KOSMODROM
BAYKONUR
№ _____

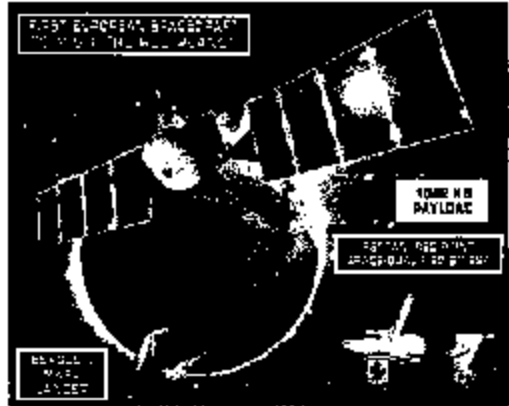


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espaceollini.com

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9 avenue de la République - 92000 Nanterre
CORRESPONDANCE PHILATÉLIE

ESA PROGRAMME " MARS EXPRESS " - LAUNCH OF THE PROBE FOR THE EXPLORATION OF THE RED PLANET WITH A PROF. PILLINGER LANDER NAMED " BEAGLE 2 " FROM BAYKONOUR RANGE WITH SOYUZ LAUNCHER ON JUNE 2nd 2003. Lollini cover postmarked at Baykonour on the launch date and with Soyuz postmark.

MARS EXPRESS



7 SPACE EXPERIMENTS
SOYUZ FREGAT ROCKET
BAIKONOUR COSMODORE



488820 BAYKONUR
R KOSMODROM
BAYKONUR
№ _____

RECOMMANDE



156

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UNITED EUROPE IN SPACE

ESA PROGRAMME "COROT" - SCIENTIFIC SATELLITE FOR EXOPLANETS RESEARCH LAUNCHED BY BAYKONOUR WITH A SOYUZ FREGAT LAUNCHER ON DECEMBER 26th 2006. Lollini envelope with Cosmodrom Baykonour postmark and Kazakhstan mail cancellation on the launch date.

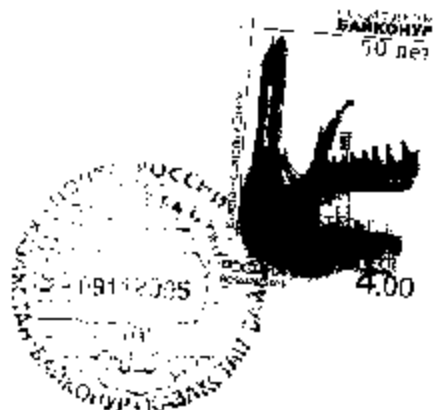


ESA/NASA COLLABORATION PROGRAMME "JASON 2" - SCIENTIFIC SATELLITE FOR THE OCEAN SURFACE TOPOGRAPHY LAUNCHED BY A DELTA 2 FROM VANDERBERG AFB ON JUNE 20th 2008. Lollini envelope with new Vanderberg postmark on the launch date.



UNITED EUROPE IN SPACE

ESA PROGRAMME - " VENUS EXPRESS PROBE " LAUNCH OF THE PROBE TOWARDS VENUS PLANET FROM THE BAYKONOUR BASE WITH A SOYUZ LAUNCHER ON NOVEMBER 9th 2008 . ALENIA cover with Baykonour cancellation and and ESA stamp in cyrillic characters and cover from Darmstadt cancelled mechanically at ESOC , the mission control center.



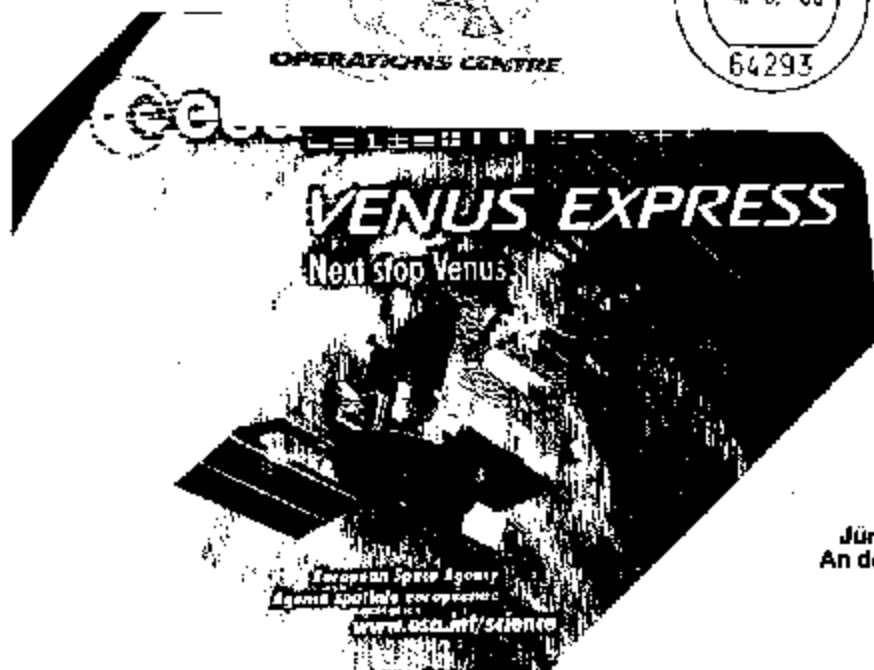
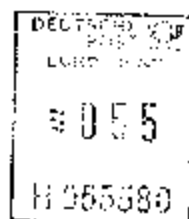
Venus Express



082/400

CLUB FILATELICO
Alcatel Alenia Space - Italia
Torino

EUROPEAN SPACE



Jürgen Peter Esdars
An der Apostelkirche 10
10783 Berlin
Germany

UNITED EUROPE IN SPACE

ESA PROGRAMME "GOCE GRAVITY FIELD AND STEADY STATE OCEAN CIRCULATION EXPLORER" - A VERY COMPLEX SCIENTIFIC SATELLITE FOR THE OCEAN STUDY AND CONTROL DESIGNED BY ALENIA SPAZIO AND LAUNCHED BY PLESETSK COSMODROM ON MARCH 17th 2009. Russian cover with cosmodrom postmark and Alenia cover for this satellite that came out in Turin with russian postmark.

От кого — Иванов А.Б. (до востребования)
 Откуда — Плесецкий почтамт, г. Мирный,
 Архангельская обл.

164170

Индекс места происхождения



ПОЧТА РОССИИ



164170 98 00660 9

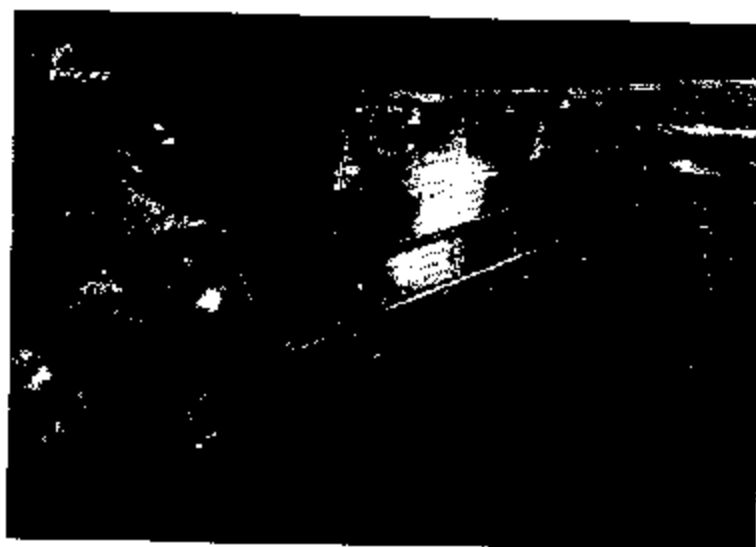
164170 98 00660 9



Кому — Родина Е.С.
 До востребования
 Куда — Почтамт, Москва

Индекс места происхождения

101000



GOCE Gravity Field and Steady - State Ocean Circulation Explorer



065/500

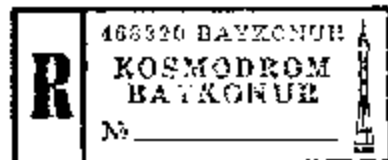


ThalesAlenia
 Alenia Spazio

CLUB FILATELICO
 Cral Alenia Spazio
 TORINO

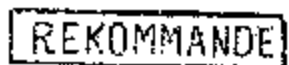
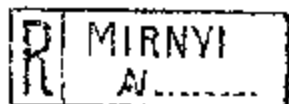
UNITED EUROPE IN SPACE

ESA PROGRAMME " GALILEO " - LAUNCH OF SATELLITE " GIOVE B " FOR PREPARING AND TESTING THE NEW GLOBAL TELECOMMUNICATIONS SYSTEM FOR EUROPE FROM COSMODROM BAYKONOUR ON APRIL 27th 2004 WITH SOYUZ .Lollini envelope registred with postmark of Baykonour and Soyuz.



ESA PHILATELIE
EUROPEAN SPACE AGENCY
Lollini envelope
CORRESPONDANCE
PHILATELIQUE

ESA PROGRAMME " SMOS SOIL MOISTURE AND OCEAN SALINITY CONTROL " - SCIENTIFIC SATELLITE FOR MEASURING THE ABOVE CHARACTERISTICS LAUNCHED BY ROCKOT MISSILE FROM PLESETSK ON NOVEMBER 2nd 2009 TOGHTER WITH "PROBA 2 " TECHNOLOGY SATELLITE:



kosmodrom PLESETZK



UNITED EUROPE IN SPACE

ESA PROGRAMME "HERSCHEL AND PLANCK SATELLITES" - THE FIRST CARRIED AN I.R. SPACE TELESCOPE WHILE THE SECOND ONE HAD TO MAP THE COSMIC BACKGROUND. BOTH LAUNCHED BY THE SAME ARIANE 5 IN KOUROU ON MAY 14th 2009. Covers of the launch one from Kourou and one with special postmark made in Frascati (Italy) where ESA has a center for collecting and distributing scientific data.

EXPLORING THE FORMATION OF GALAXIES AND STARS



Dual launch of ESA's far infrared space telescope HERSCHEL and cosmic background mapper PLANCK on an Ariane 5 rocket from Europe's Spaceport in French Guiana

May 14, 2009

Limited Edition: 30 covers

AS IT AF - Associazione Italiana di Astrofilia



18 *Alan Moore*

ARIANE V188/L546

Base de lancement E.L.A. N°3



HERSCHEL



PLANCK

Lancement Vol 188/L546
Ariane type ARS / ECA
E.L.A. N°3 à KOUROU
Satellites : HERSCHEL & PLANCK



14 mai 2009
HL:10H12

DOCUMENT PHILATELIQUE
Tirage limité à 400 exemplaires.
Numérotés de 1 à 400.

322

PHILATÉLIE FRANÇAISE
2009
FRANCE/POSTAL/CHICK

22X30

staff

UNITED EUROPE IN SPACE

ESA PROGRAMME "ROSETTA" - FIRST DEEP SPACE PROBE TO BECOME COMET ORBITER, AND COMET LANDER ("PHILAE") FOR RENDEZ-VOUS WITH 67P CHURYUMOV - GERASIMENKO COMET AND INSPECTION OF ASTEROIDS STEINS AND LUTETIA.
 PRIME CONTRACTOR ASTRIUM AND ALENIA WAS RESPONSIBLE OF ASSEMBLY INTEGRATION AND VERIFICATION. IT WAS LAUNCHED BY ELA 3 IN KOUROU BY ARIANE 5 G + VERSION ON MARCH 2nd 2004.
 The two covers are with postmark of Kourou on the day of the launch with additional rubber stamps.



**a Satellite for the closest inspection
 of a comet ever made**

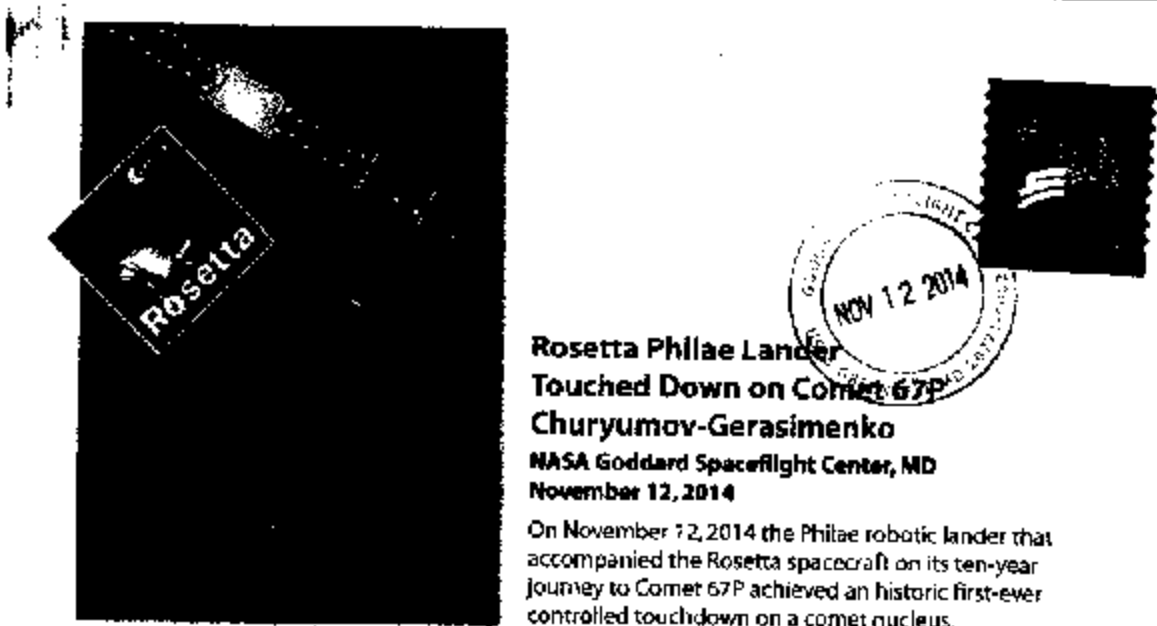


LANCEMENT VGL158/518
 02 MARS 2004 KOUROU
 HL: 04H17 ELA.3
 ARIANE 5. G+
 SATELLITE ROSETTA
 ET SON LANDER PHILAE

410/500

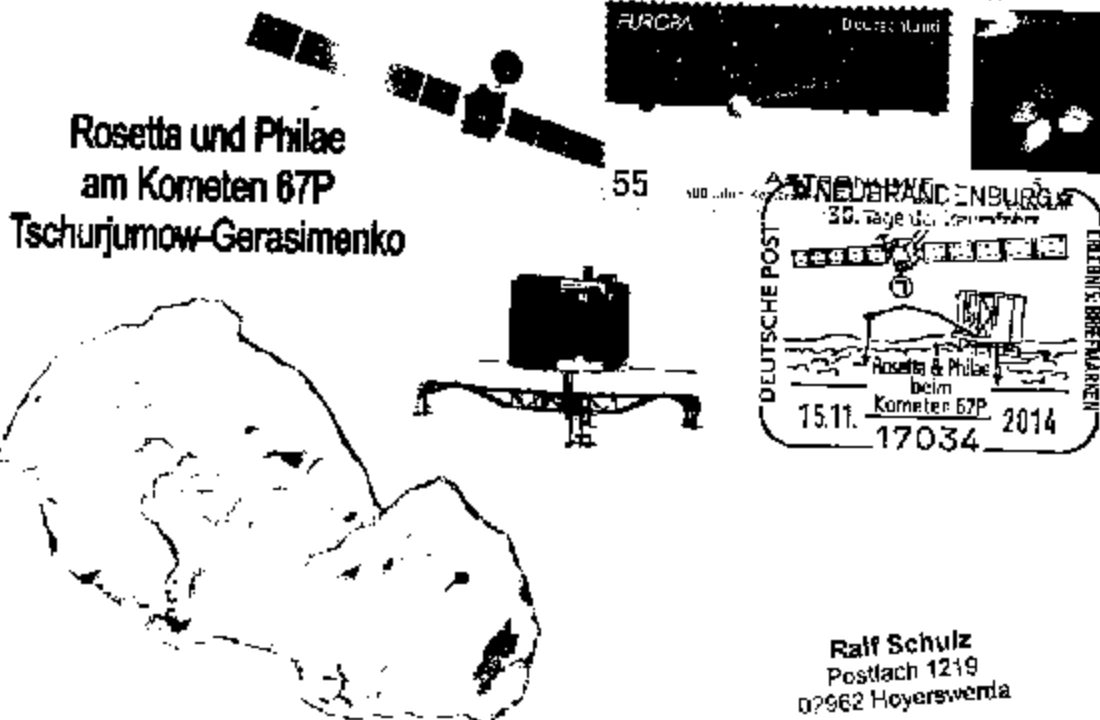
CLUB FILATELICO
 Alenia Spazio - Torino

ESA PROGRAMME " ROSETTA " - THE LANDER " PHILAE " LANDED ON COMET 67P CHURYUMOV-GERASIMENKO. COVER with postmark of Goddard Space Flight Center on the day of touch down and special cover with german postmark of Control Center.



**Rosetta Philae Lander
Touched Down on Comet 67P
Churyumov-Gerasimenko**
NASA Goddard Spaceflight Center, MD
November 12, 2014

On November 12, 2014 the Philae robotic lander that accompanied the Rosetta spacecraft on its ten-year journey to Comet 67P achieved an historic first-ever controlled touchdown on a comet nucleus.



Ralf Schulz
Postfach 1219
07962 Hoyerswerda

UNITED EUROPE IN SPACE

ESA PROGRAMME "GAIA" – GLOBAL ASTROMETRIC INTERFEROMETER FOR ASTROPHYSICS STUDIES - LAUNCH OF THE SPACE PROBE FROM KOUROU ON DECEMBER 19th 2013.

AS.ITAF - ASSOCIAZIONE ITALIANA DI ASTROFILATELIA

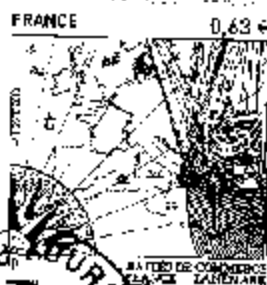


GAIA
Global Astrometric
Interferometer for Astrophysics



Credit: ESA

La mappa tridimensionale della Via Lattea



ESA PROGRAM "LISA" – EUROPEAN SATELLITE FOR GRAVITATIONAL WAVES DETECTION LAUNCHED BY KOUROU ON DECEMBER 3rd 2015



LA FLÛTE 440



ESA PH-LATITUDE
02 41 31 31 00-10 00
09 00 10 10 10 10
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0

UNITED EUROPE IN SPACE

ESA PROGRAMME " COPERNICUS " – LAUNCH OF THE FIRST SATELLITE " SENTINEL 1A " AND THE SECOND SATELLITE " SENTINEL 2A " FOR EARTH SYSTEM OBSERVATION . COVERS CANCELLED AT KOUROU BASE AT LAUNCH DATES APRIL 3rd 2014 AND JUNE 23rd 2015.

AS.IT.AF - ASSOCIAZIONE ITALIANA DI ASTROFILATELIA



SENTINEL 1A

Il primo satellite del programma COPERNICUS dell'UE

Immagini radar della Terra continue, sistematiche e altamente affidabili



Credit: ESA

Il contributo europeo allo studio del suolo, del mare, dell'atmosfera e dei cambiamenti climatici, e alla gestione delle emergenze e della sicurezza

Tiratura:40



Copernicus



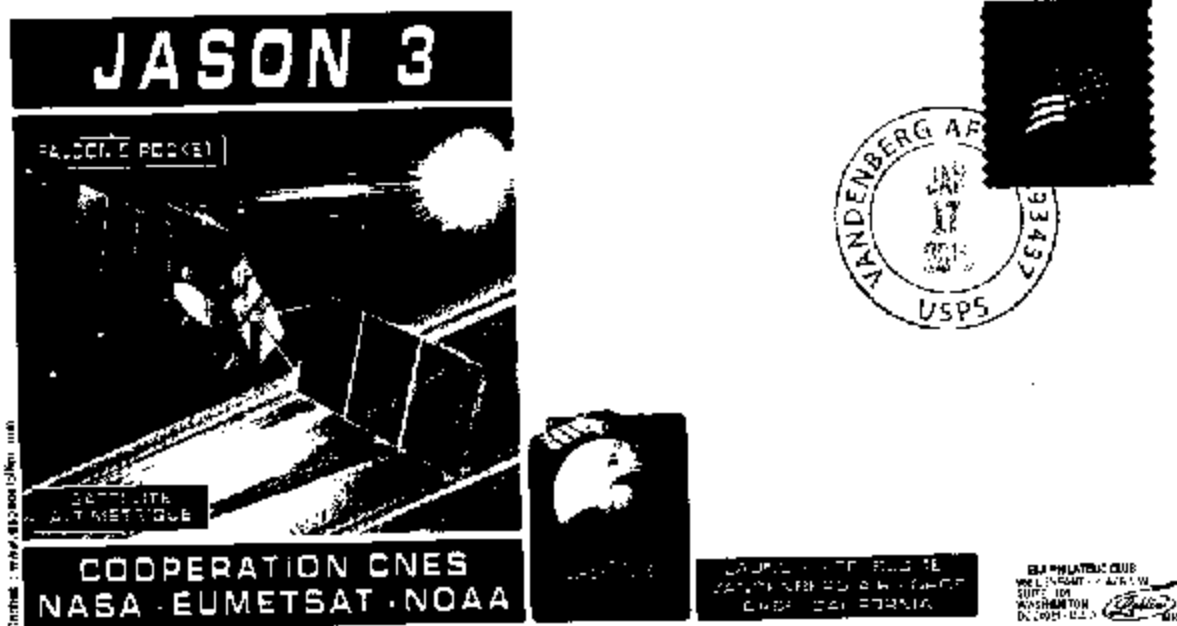
ESA - ITALIE
SPAZIO E TERRA
MILANO
MAGGIORATA
FANTASMA

UNITED EUROPE IN SPACE

ESA PROGRAMME "CRYOSAT 2" – THE SCIENTIFIC SATELLITE FOR POLE ICE OBSERVATION WAS LAUNCHED WITH EUROCKOT FROM BAYKONOUR ON APRIL 9th 2010.



ESA PROGRAMME "JASON 3" – SCIENTIFIC SATELLITE LAUNCHED FROM VANDERBERG AFB ON JANUARY 17 2016



UNITED EUROPE IN SPACE

ESA PROGRAMME " SPACELAB - SPACE LABORATORY " - THE AGREEMENT NASA/ESA ASSIGNED TO EUROPE THE DESIGN AND DEVELOPMENT OF THIS SCIENTIFIC LABORATORY TO BE FLOWN INTO THE CARGO BAY OF THE SHUTTLE . THIS FDC IS CONCERNING A SPECIFIC 40 Pf OF A GERMAN INDUSTRY AND TECHNOLOGY SERIES SHOWING THE FUTURE SPACELAB FLYING WITH THE SHUTTLE . THE PRIME CONTRACTOR FOR EUROPE WAS VFW FOKKER ERNO IN BREMEN WITH IMPORTANT ITALIAN CONTRIBUTION OF AERITALIA AND MICROTECNICA IN TURIN (PRIMARY AND SECONDARY STRUCTURE AND ACTIVE AND PASSIVE THERMAL CONTROL OF THE MODULE). ERNO covers celebrating the agreement for Spacelab and later on ,the second one, the flight unit delivery to ESA with a special postmark on December 12th 1981.

SPACELAB

Europäisches bemanntes Weltraumlabor
European manned space laboratory
Laboratoire spatial habité européen

Erste/first/première Mission : 1980

ESRO / NASA
Spacelab / Space Shuttle

Von der europäischen Industrie entwickelt
Under development by European Industry
Réalisé par l'industrie européenne



Hauptauftragnehmer
Prime contractor
Contractant principal VFW-Fokker/ERNO



ERNO



Stadt der Luft- und
Raumfahrtindustrie



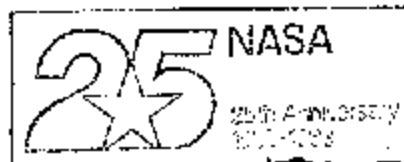
Drucksache

ERNO
Raumfahrttechnik GmbH
Hünefeldstraße 1-5

2800 Bremen 1

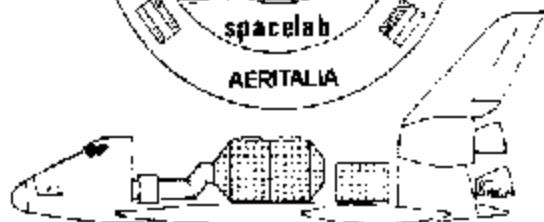
UNITED EUROPE IN SPACE

ESA PROGRAMME "SPACELAB" - FIRST FLIGHT OF SPACELAB ON BOARD OF THE SHUTTLE ON NOVEMBER 28th 1983 (MISSION STS 9) The two covers with the special postmark of KSC indicating the NASA foundation 25th Anniversary have been prepared by Aeritalia Phil. Club as well as the second one on the launch day.



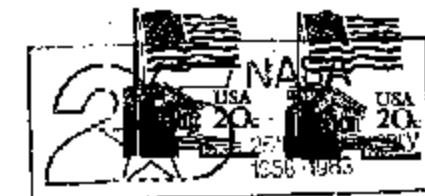
AERITALIA - Spacelab

MODULE STRUCTURE AND THERMAL CONTROL



FIRST SPACELAB FLIGHT MISSION

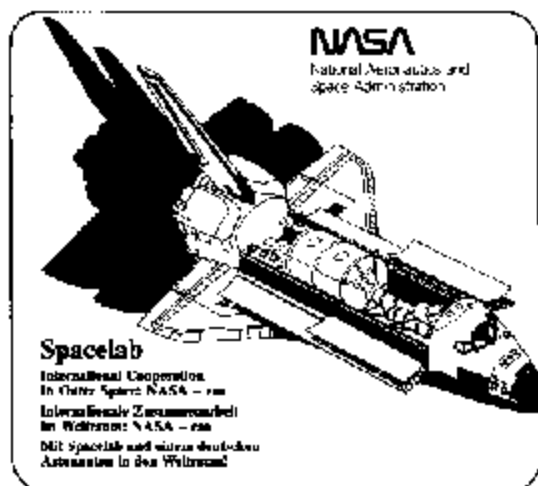
28 november 1983



*Aeritalia
Settore Sistemi Spaziali
Atti by Busolin
c. Marche 41
Toledo
218/500 ITALY*

UNITED EUROPE IN SPACE

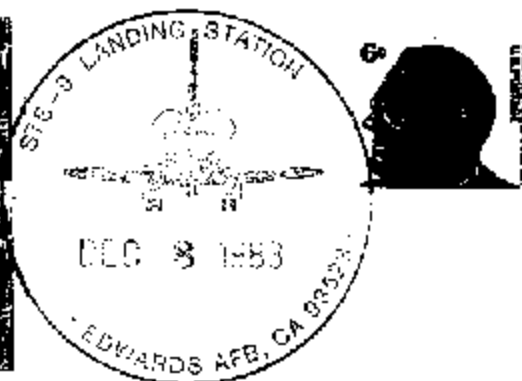
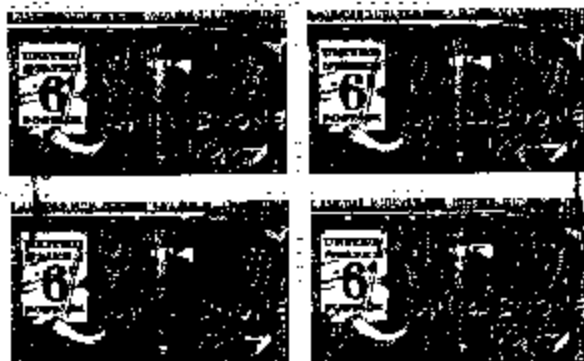
ESA PROGRAMME " SPACELAB - EUROPEA SPACE LABORATORY " FOR THE FIRST FLIGHT MISSION OF SPACELAB ON BOARD OF THE SHUTTLE TWO BIG SPECIAL MANUAL POSTMARKS WERE USED BY THE US MAIL ON HOUSTON AND EDWARDS SITES ONLY FOR THIS EVENT AND NEVER AGAIN.



Spacelab-1 First Time in Orbit
Houston Mission Control Center



Cover produced
in the USA



JORGENSEN
Postfach 31 04 64
1000 Berlin (West) - 31
Germany - Allemagne

UNITED EUROPE IN SPACE

ESA PROGRAMME "SPACELAB THE EUROPEAN SPACE LABORATORY" - THE SECOND FLIGHT OF SPACELAB ON BOARD OF THE SPACE SHUTTLE CAME ON MISSION STS 51 B STARTED ON APRIL 29th 1985 AND RETURN ON MAY 6th.

The ESA envelopes were derived from USA prestamped envelopes with NASA flag and cancelled at KSC at launch and at Edwards AFB at return to Earth.



MISSION 51B



S
1
3



2^o VOL DU SPACELAB
SPACELAB FLIGHT



ESA WILL BE AT THE
WORLDWIDE POSTAGE
OFFICE IN WASHINGTON, DC 20546
U.S.A.
Tel: (301) 343-0001, ext. 141
WWW.EUROPEANSPACE.AGENCY



MISSION 51B



S
1
3



2^o VOL DU SPACELAB
SPACELAB FLIGHT



ESA WILL BE AT THE
WORLDWIDE POSTAGE
OFFICE IN WASHINGTON, DC 20546
U.S.A.
Tel: (301) 343-0001, ext. 141
WWW.EUROPEANSPACE.AGENCY

UNITED EUROPE IN SPACE

ESA PROGRAMME * SPACELAB THE EUROPEAN SPACE LABORATORY * - THE THIRD FLIGHT OF SPACELAB ON BOARD OF THE SPACE SHUTTLE CAME ON MISSION STS 51 F STARTED ON JULY 29th 1985 AND RETURN ON AUGUST 6th.

The ESA envelopes were derived from USA pre-stamped envelopes with NASA flag and cancelled at KSC at launch and at Edwards AFB at return to Earth.



MISSION 51F



S
L
2



**3^o VOL DU SPACELAB
SPACELAB FLIGHT**

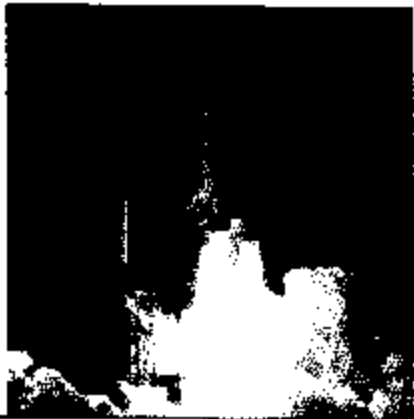
EDWARDS AFB TX
AUG 6 1985
USA 22

UNITED EUROPE IN SPACE

ESA PROGRAMME "SPACELAB THE EUROPEAN SPACE LABORATORY" - THE FOURTH FLIGHT OF SPACELAB ON BOARD OF THE SPACE SHUTTLE CAME ON MISSION STS 61 A STARTED ON OCTOBER 30th 1985 AND RETURN ON NOVEMBER 6th.

The ESA envelopes were derived from USA prestamped envelopes with NASA flag and cancelled at KSC at launch, at Houston and at Edwards AFB at return to Earth.

**4^o VOL DU SPACELAB
SPACELAB FLIGHT**



**D
1**



**4^o VOL DU SPACELAB
SPACELAB FLIGHT**



USA 22
ON EARTH
POSTAGE



**D
1**



MISSION 61A

**D
1**



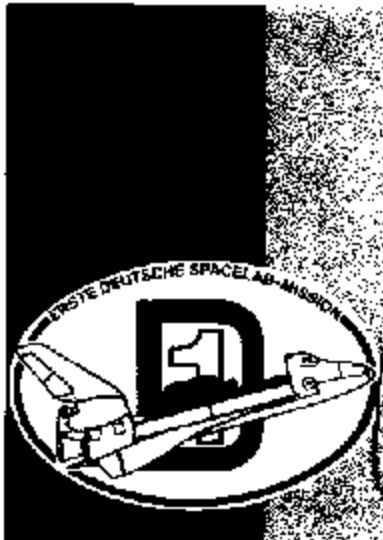
**4^o VOL DU SPACELAB
SPACELAB FLIGHT**



USA 22
ON EARTH
POSTAGE

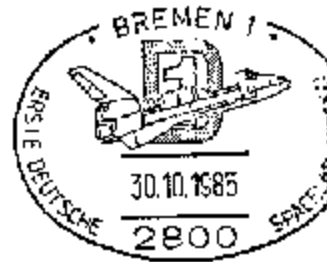
UNITED EUROPE IN SPACE

ESA PROGRAMME * SPACELAB – EUROPEAN SPACE LABORATORY * TWO IMPORTANT SPACELAB MISSIONS HAVE BEEN ORGANIZED BY GERMANY WITH MANY EUROPEAN PAYLOADS ON BOARD. D1 ON OCTOBER 30TH 1985 SHUTTLE MISSION STS 61A (specific envelope from ERNO with special german postmark on the 40 pf, Issued in 1975 showing Shuttle with Spacelab onboard and signature of european astronaut Wubbo Ockels) AND D2 ON APRIL 28th 1993 ON STS 55 (envelope with KSC cancellation on the start date and specific D2 rubber stamp).



MBB AIRBUS Philatelie

BMT · DFVLR · MBB-ERNO · NASA



Wubbo Ockels

MBB AIRBUS

Unternehmensgruppe Raumfahrt
Postfach 106909
2800 Bremen 1

STS-55 SYSTEMAUFGABEN UND NUTZLASTINTEGRATION



ERNO Raumfahrt Technik
BMT-DARA-DEU-NASA



Deutsche Aerospace

D-2 Project Office, # 324
1980 North Atlantic Avenue
Cocoa Beach, FL 32931

UNITED EUROPE IN SPACE

ESA/NASA COOPERATION PROGRAMME " MPLM – LOGISTIC MODULES ". THREE MODULES WERE DELIVERED BY THALES ALENIA SPACE TO NASA. THE FIRST MODULE CALLED " LEONARDO " FLEW ON MARCH 8th 2001 , SERVICED ISS SEVEN TIMES AND COMPLETED HIS LIFE INTEGRATED TO ISS. THE SECOND " RAFFAELLO " FLEW FIRST ON APRIL 19th 2001 AND WAS IN SPACE OTHER TWO TIMES: THE THIRD " DONATELLO " NEVER FLEW.



UNITED EUROPE IN SPACE

ESA PROGRAMME "ATV - AUTOMATED TRANSFER VEHICLE" - A SPACE VEHICLE LAUNCHED BY ARIANE 5 FOR RESUPPLY/REBOOST SPACE STATION. THE FIRST ATV "JULES VERNE" WAS LAUNCHED FROM KOUROU ON MARCH 9th 2008. Cover of launch from Kourou and other cover flown on board to ISS and returned on board of MPLM "Leonardo" on STS 126 (it was then postmarked at KSC on February 4th 2009).



Colis non prioritaire.
Récupération différée du CTB*
dans le MPLM 'Leonardo'**
**Cargo Transfer Bag*
*** Multi Purpose Logistics Module*

ENTENTE PHILATELIQUE
 des CE SPS et ASTRIUM

Tirage 1200 ex.

www.espacefilini.com 0957

EADS Astrium
 Astrium North America
 6205 Space Center Boulevard
 Houston, TX 77067, USA
 Correspondance philatélique

UNITED EUROPE IN SPACE

ESA PROGRAMME "ATV - AUTOMATED TRANSFER VEHICLE" - LAUNCH OF ATV 2 "JOANNES KEPLER" FROM KOUROU ELA 3 ON FEBRUARY 16th 2011 WITH ARIANE 5.

Cover of launch in Kourou and cover flown on board of ATV2 and returned Earth on July 21st 2011, transported by STS 135 in MPLM "Raffaello" and postmarked at KSC.



aria space



ESA PR LANCIA
16 FEB 2011
KOUROU-GUYANE
COMPTON
FRANCE

NATURENE

Thales Alenia Space Italia S.p.A.



This cover flew to the International Space Station (ISS) aboard the ATV Johannes Kepler launched on 16 February 2011 with Ariane 5 Rocket from Kourou launch base and docked to the ISS on 24 February 2011. The cover remained at the ISS stored in a Cargo Transfer Bag and returned to earth with the Shuttle Atlantis STS-135 landed on 21 July 2011 at the Kennedy Space Center.



UNITED EUROPE IN SPACE

ESA PROGRAMME "ATV - AUTOMATED TRANSFER VEHICLE" - THE THIRD CARGO VEHICLE WAS CALLED "EDOARDO AMALDI" AND WAS LAUNCHED ON MARCH 23rd 2012. IN THIS MODULE FLEW THE OTHER COVER RETURNED TO EARTH ON SPACE X DRAGON CAPSULE CRS 1 ON OCTOBER 3rd 2012. The first cover was cancelled in Kourou at the launch date while the second was cancelled at Houston, the Mission Control Center latter on November 2nd 2012 when returned on Earth.



aria space

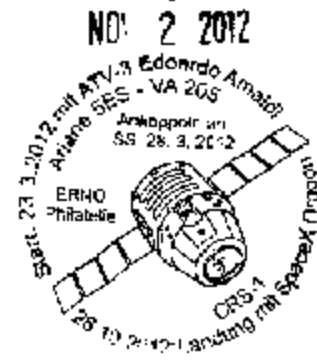


SN 17/44

ESA Courtesy



ASTRIUM esa



141

Astrum North America
c/o ERNO - Philatelic
16055 Space Center Blvd.
Suite 480
Houston, TX 77062

ATV-3 EDOARDO AMALDI MISSION
23 March - 3 October 2012

This cover flew to the International Space Station aboard the ATV-3 Edoardo Amaldi. It remained at the ISS stored in a Cargo Transfer Bag and returned to earth with the SpaceX Dragon CRS-1

UNITED EUROPE IN SPACE

ESA PROGRAMME "ATV – AUTOMATED TRANSFER VEHICLE" – THE FOURTH CARGO VEHICLE WAS CALLED "ALBERT EINSTEIN" AND WAS LAUNCHED ON JUNE 5th 2013. IN THIS MODULE FLEW THE OTHER COVER RETURNED TO EARTH ON SPACE X DRAGON CAPSULE CRS 3 ON NOVEMBER 2013. The first cover was cancelled in Kourou at the launch date while the second was cancelled at Houston, the Mission Control Center latter on November 2nd 2013 when returned on Earth.



JUN 18 2014



Nº 195



SN 17/440



Astrium North America
c/o ERNO - Philadelphia
16055 Space Center Blvd.
Suite 480
Houston, TX 77062

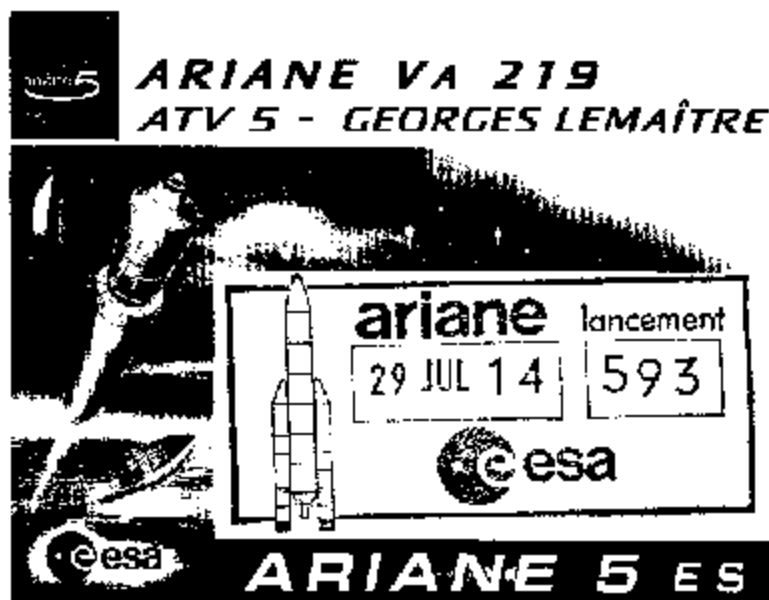
ATV-4 "Albert Einstein" Mission

5 June – 2 November 2013

This cover flew to the International Space Station aboard the ATV-4 Albert Einstein. It remained at the ISS stored in a Cargo Transfer Bag and returned to earth with the SpaceX Dragon CRS-3

UNITED EUROPE IN SPACE

ESA PROGRAMME "ATV – AUTOMATED TRANSFER VEHICLE" – THE FIFTH AND LAST CARGO VEHICLE WAS CALLED "GEORGES LEMAÎTRE" AND WAS LAUNCHED ON JULY 29th 2014. THIS MODULE COMPLETED ITS MISSION SELF DESTROYING WHEN ENTERED IN THE EARTH ATMOSPHERE ON FEBRUARY 15th 2015.



AUG 8 2014
ESA ATV-005 'Georges Lemaître'
Cargo Spaceship ISS Fly-Under
ISS Mission Control - Houston - August 8, 2014

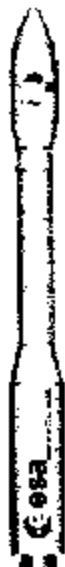
On August 8, 2014 the European Space Agency ATV Team commanded the ATV-005 ISS Re-supply cargo spaceship 'Georges Lemaître' through a series of Fly under manoeuvres for the Laser Infrared Imaging Sensor (LIRIS) demonstration, that brought the ATV just below the ISS, at a minimum relative altitude of approximately 15 km, at 22:40:00 UTC (00:40:00 CEST Saturday AM). The ATV-5 will dock with the Zvezda aft Docking Port on August 12, 2014.

UNITED EUROPE IN SPACE

ESA PROGRAMME "VEGA" - FOURTH LAUNCH WITH IXV - EUROPEAN SPACE AGENCY INTERMEDIATE EXPERIMENTAL VEHICLE . COVER with postmark of Kourou launch on February 11th 2015 and recovery on the same day .



February 11, 2015
European Space Agency
Intermediate eXperimental Vehicle



The IXV was launched by a Vega rocket 256 miles/412 kilo in altitude over the Eurasian continent to a landing zone in the Pacific in a test of the wingless spacecraft lifting body design

"Grand Slam!"

RECOVERY ZONE FOR THE
RECOVERABLE
ATMOSPHERIC DUE

FEB 11 2015



4 of 8



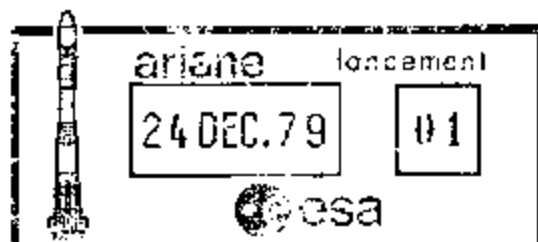
UNITED EUROPE IN SPACE

ESA PROGRAMME "ARIANE" - THIS IS THE DEVELOPMENT PROGRAMME FOR AN EUROPEAN LAUNCHER THERE WERE THREE MAIN VERSIONS DURING THE DEVELOPMENT : ARIANE 1 WITH 11 LAUNCHES FROM THE FIRST IN ABSOLUTE ON DECEMBER 24th 1979, ARIANE 3 WITH 17 LAUNCHES BETWEEN AUGUST 4th 1984 AND ARIANE 4 THAT FROM JUNE 15th 1988 DID 116 LAUNCHES IN THE VARIOUS VERSIONS FROM 40 TO 44L, THE MOST POWERFUL. Two ESA envelopes for the first flight with different postmarks and launch number/date .

00410



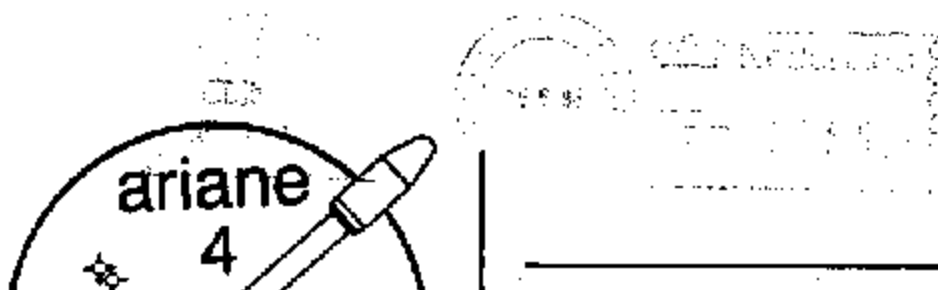
Poste Philatélique 210
S. 47 - 97500 - Kourou - Guyane Française
N° 44063 - 0013 - 0014 - 0015 - 0016 - 0017
CORRESPONDANCE PHILATELIQUE



Poste Philatélique 210
S. 47 - 97500 - Kourou - Guyane Française
N° 44063 - 0013 - 0014 - 0015 - 0016 - 0017
CORRESPONDANCE PHILATELIQUE

UNITED EUROPE IN SPACE

ESA PROGRAMME "ARIANE 4" - FIRST LAUNCH OF VERSION 4 OF ARIANE ON JUNE 15th 1988 FROM KOUROU RANGE: Two ERNO MBB and AERITALIA covers cancelled at Kourou with the current postmark and an ESA card with red mechanical postmark used at ESTEC in Noordwijk on the launch date.



22: Erster ARIANE 4 - Start
ETEOSAT P2, PANAMSAT und AMSAT



MBB  Philatelle
 Unternehmensgruppe Raumfahrt
 Postfach 10 59 09
 2800 Bremen 1

LPB Tank



L401



AERITALIA for
ARIANE Programme

098 / 500

 **AERITALIA**
 Gruppo Sistemi Spaziali
 CLUB FILATELICO

UNITED EUROPE IN SPACE

ESA PROGRAMME "ARIANE" - DEVELOPMENT PROGRAMME FOR AN EUROPEAN INDEPENDENT LAUNCHER : ARIANE 1 FROM DECEMBER 24th 1979 with 11 FLIGHTS, ARIANE 3 FROM AUGUST 4th 1984 WITH 17 FLIGHTS AND ARIANE 4 FROM JUNE 15th 1988 WITH 116 FLIGHTS. Covers of the first launch of ARIANE 1, of the first ARIANE 3, of the 50th launch, of the 100th launch and of the end of ARIANE 4 flights

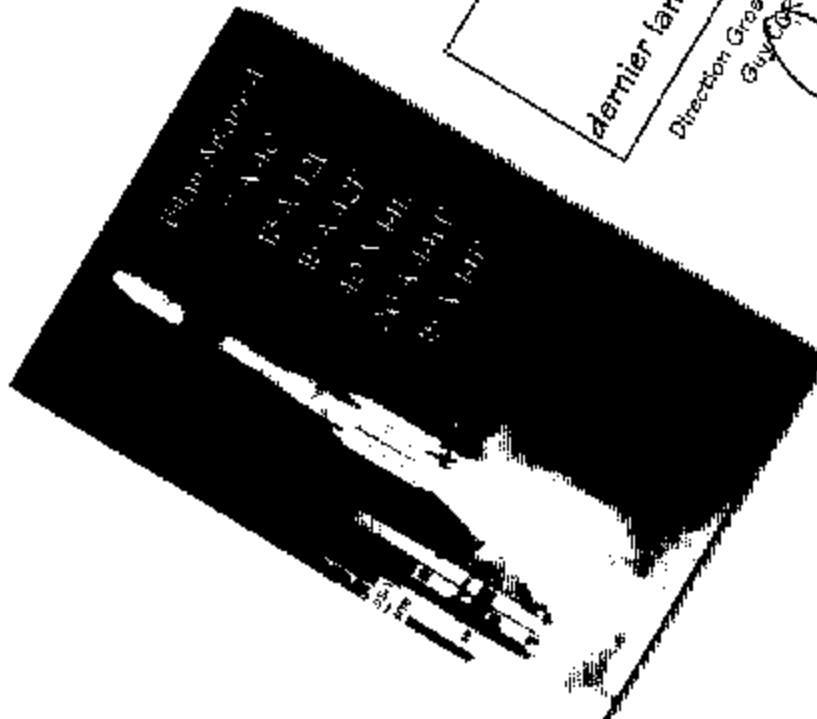


Association philatélique Ariane
CE Sirema Moteurs
Forêt de Vernon
BP 802
F 27208 VERNON

Association philatélique Ariane

INTELSAT 907
V159 - A 44L
dernier lancement d'une Ariane 4
Direction Grosse Propulsion à Liquides
Guy CORTEEL, Directeur

[Handwritten signature]
N° 0772

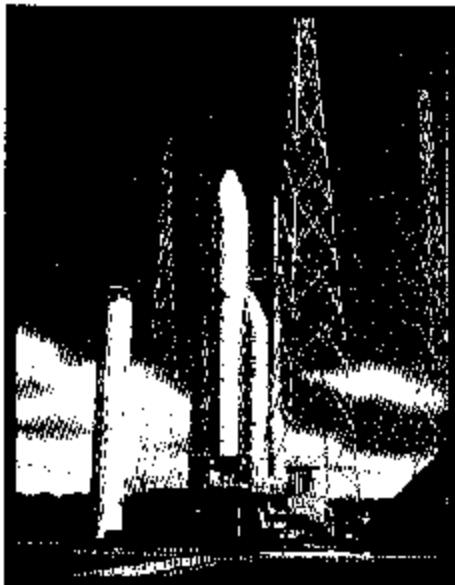


UNITED EUROPE IN SPACE

ESA PROGRAMMA "ARIANE 5" IT WAS THE FIRST EUROPEAN HEAVY LAUNCHER AND STARTED THE LAUNCH CAMPAIGN FOR QUALIFICATION ON JUNE 4th 1996 WITH A FAILURE (A 501). AFTER MORE THAN ONE YEAR ON OCTOBER 30th 1997 THE SECOND FLIGHT WAS SUCCESSFUL (A 502) AND BECAME OPERATIONAL WITH A 504 LAUNCH ON DECEMBER 10th 1999. CNES envelope with new postmark of Kourou and rubber stamps for the launch number and date as well as CSG (Centre Spatial Guyanais)

"ARIANE 501"

ASST. PI BUREAU D'ETUDES SPATIALES
AGENCE SPATIALE EUROPEENNE (ESA)



ARIANE 5

Doc. CNES



CENTRE NATIONAL D'ETUDES SPATIALES

KOUROU

4-6-96



04 JUIN 1996

space

DOCUMENT P. BILATELIEQUE

page limitée : 100 exemplaires.

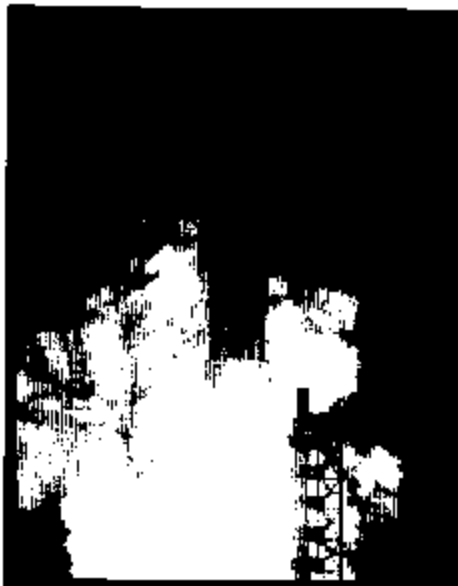
numérotés de 1 à 100 - NP



0268

"ARIANE V 101" (Ariane 502)

ASST. PI BUREAU D'ETUDES SPATIALES
AGENCE SPATIALE EUROPEENNE (ESA)



Ariane 5

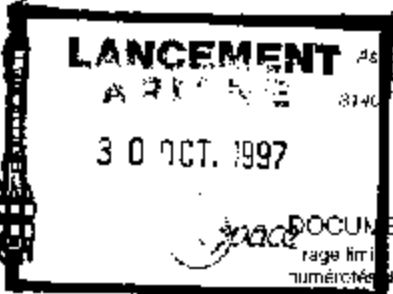
Doc. CNES



CENTRE NATIONAL D'ETUDES SPATIALES

KOUROU

30-10-97



LANCLEMENT ARIANE

30 OCT. 1997

space

DOCUMENT P. BILATELIEQUE

page limitée : 100 exemplaires.

numérotés de 1 à 100 - NP

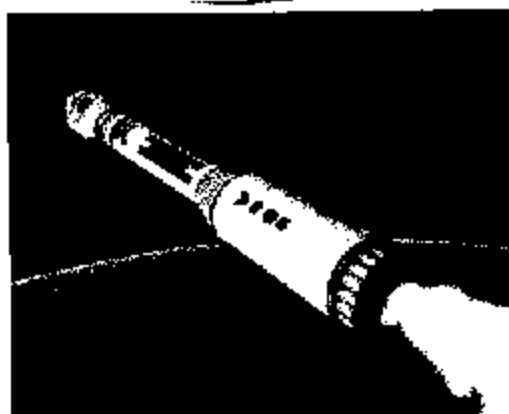


0498

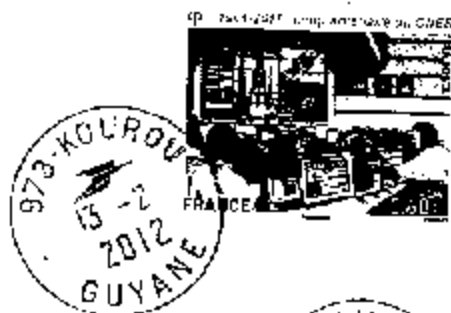
UNITED EUROPE IN SPACE

ESA PROGRAMME "VEGA" - A SMALL LAUNCHER WAS NECESSARY FOR COMPLETING THE ESA FAMILY AND INTEGRATE THE CAPABILITIES ALREADY OFFERED BY THE POWERFUL ARIANE 5 AND THE "WORKHORSE" SOYUZ NOW WELL INTEGRATED WITH KOUROU RANGE FACILITIES. THE FIRST FLIGHT OF VEGA "VETTORE EUROPEO GENERAZIONE AVANZATA" (STANDING FOR ADVANCED GENERATION EUROPEAN LAUNCHER) CAME IN FEBRUARY 13th 2012 DELIVERING INTO ORBIT NINE SATELLITES, ONE OF THEM WAS THE ITALIAN "LARES".

A.S. I.T.A.F. - ASSOCIAZIONE ITALIANA DI ASTROFILATELIA



VV01 - maiden launch of the new small launch vehicle VEGA (Vettore Europeo Generazione Avanzata) from the Kourou European Spaceport, February 13, 2012.



LANCÉMENT VEGA

Le petit lanceur
EUROPÉEN

ENSEMBLE de LANCEMENT VEGA



13 février 2012. HL 07H00

1^{er} Lancement de la petite fusée Européenne VEGA.
Satellites LARES, ALMASAT 1 & 7 Nanosatellites.

DOCUMENT PHILATELIQUE. Tirage limité à 350 ex ; Numéroté de 1 à 350.

LANCÉMENT de la 1^{ère} Fusée VEGA en GUYANE

036

ESPACES PHILATELIQUES
BP 200
973100 KOUROU Cedex

UNITED EUROPE IN SPACE

ESA PROGRAMME * VEGA * SECOND LAUNCH OF VEGA WITH THREE SATELLITES ON BOARD TO BE RELEASED ON DIFFERENT ORBITS. ASITAF cover for the launch on May 6th 2013 with Kourou postmark.

AS.IT.AF. - ASSOCIAZIONE ITALIANA DI ASTROFILATELIA



Proba-V, VNREDSat-1A, ESTCube-1



Vega 2 starts commercial service and releases 3 satellites into different orbits.

The complex mission requires five upper-stage boosts and lasts about twice as long as its first launch.

(20/50)



06 mai 2013

Plus d'informations de la poste dans le supplément ASITAF.
 Destinataires: PROBA-V, VNREDSat-1A & ESTCube-1

**Proba-V/VNREDSat-1A/ESTCube-1 Satellites Launch
 Kourou, French Guiana - May 6 2013**

On Monday, May 6, 2013 at 11:06 pm local time in French Guiana, Arianespace successfully launched a Vega rocket from the Guiana space Center (CSG), orbiting the Proba-V, VNREDSat-1 and ESTCube-1 satellites. This was the second successful VEGA rocket launch from Guiana Space Center.

22X30

staff

UNITED EUROPE IN SPACE

ESA PROGRAMME "VEGA" - THIRD LAUNCH OF IMPROVED VEGA PERFORMANCE WITH DZZ+HR AIRBUS SATELLITE AND KAZEOSAT 1 OF KAZAKHSTAN . COVER with postmark of Kourou on April 30th .

VEGA-V03

Le petit lanceur EUROPEEN

ZONE DE LANCEMENT VEGA.



3^{ème} lancement de la petite fusée européenne VEGA
Satellite : DZZ+HR



LANCEMENT de la 3^{ème} Fusée VEGA en GUYANE

DOCUMENT PHILATELIQUE. Tirage limité à 350 ex. Numéroté de 1 à 350.

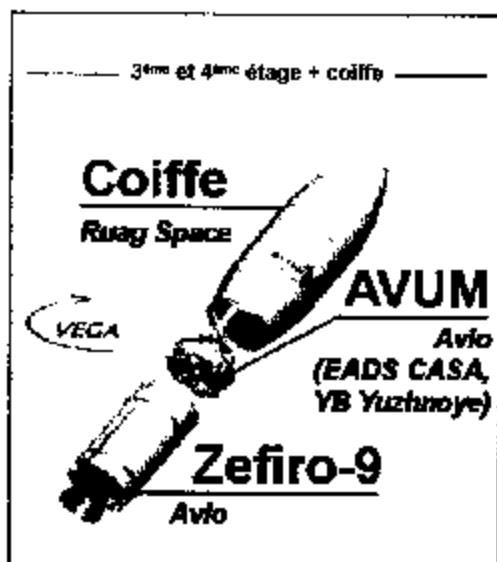
28 Avril 2014

44.224035

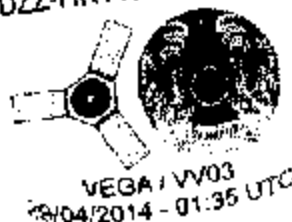
209

ESPACE PHILATELIE
B.F. 36
97300 KOUROU, Guay.

Lanceur Vega



DZZ-HR / KazEOSat-1



Tirage limité 350 exemplaires

N° 0210

AGENCE PHILATELIE QUE DUCE
SAFRAN Heredis

Les Chemins
F 31177 - PHATTEAUX DEUX

WWW.UTIPICE

CORRESPONDANCE + LABELIQUE

UNITED EUROPE IN SPACE

ESA " SOYUZ UTILIZATION FROM KOUROU ELS " ARRIVAL OF SOYUZ FROM RUSSIA AND FIRST AND SECOND LAUNCH FROM FOUROU RANGE. French covers with Kourou postmarks on the dates of the events.

SOYOUZ



ARRIVÉE des deux LANCEURS SOYOUZ de ST PETERSBURG

pour les satellites GALILEO

108

DOCUMENT PHILATELIQUE. Tirage limité à 350 ex ; Numéroté de 1 à 350.

ESPACE PHILATELIE
BP 306
97378 KOUROU Cedex

SOYOUZ VS01/ST-B

Ensemble de Lancement SOYOUZ



SOYOUZ VS02/ST

DOCUMENT

Ensemble de Lancement SOYOUZ



Lancement Val VS02/ST
Soyuz type ST
KLN de GUYANE
Satellites : PLEIADES - 1, ELISA et SSOT

16 Décembre 2011
HL:23H04'48"

2ème lancement SOYOUZ à partir de GUYANE

DOCUMENT PHILATELIQUE. Tirage limité à 350 ex ; Numéroté de 1 à 350.

220

PHILATELIE SPATIALE
BP 306
97378 KOUROU Cedex