

Abbreviations and Acronyms

ASPOC	Active Spacecraft Potential Control
CIS	Cluster Ion Spectrometry
CIS/HIA	CIS Hot Ion Analyzer
CIS/CODIF	CIS ion COMposition and DIstribution Function analyzer
DWP	Digital Wave Processor
EDI	Electron Drift Instrument
EFW	Electric Fields and Waves
FGM	Fluxgate Magnetometer
PEACE	Plasma Electron and Current Experiment
PEACE/HEEA	PEACE High-Energy Electron Analyzer
PEACE/LEEA	PEACE Ligh-Energy Electron Analyzer
RAPID	Research with Adaptive Particle Imaging Detectors
STAFF	Spatio-Temporal Analysis of Field Fluctutations Experiment
STAFF-SA	STAFF Spectrum Analyzer
STAFF-SC	STAFF Search Coil
WBD	Wide Band Data
WHISPER	Waves of High Frequency and Sounder for Probing of Electron Density by Relaxation
AACGM	Altitude Adjusted Corrected Geomagnetic Coordinates
ACE	Advanced Composition Explorer
AIC	Alfvén ion cyclotron waves
AMPTE	Active Magnetospheric Particle Tracer Explorers
AMPTE-IRM	AMPTE Ion Release Module
AMPTE-UKS	AMPTE UK Satellite
AU	Astronomical Unit
BBELF	broadband extremely low frequency
BEN	broadband electrostatic noise
BL	boundary layer
BS	bow shock
CME	coronal mass ejection
CTA	constant thickness approach
CVA	constant velocity approach
DA	discontinuity analyzer
DMSP	Defense Meteorological Satellite Program
EISCAT	European Incoherent Scatter Radar
EMIC	electromagnetic ion cyclotron
ESR	EISCAT Svalbard Radar
ESW	electrostatic solitary waves
FTE	flux-transfer event
GS	Grad-Shafranov
GSE	geocentric solar ecliptic coordinates
GSM	geocentric solar magnetospheric coordinates

HCS	heliospheric current sheet
HF	high frequency
HFA	hot flow anomaly
HPS	heliospheric plasma sheet
HT	deHoffmann-Teller
ICME	interplanetary manifestations of CMEs
IES	isolated electrostatic structures
IMF	interplanetary magnetic field
IMP	Interplanetary Monitoring Platform
ISEE	International Sun-Earth Explorers
KH	Kelvin-Helmholtz
KHI	Kelvin-Helmholtz instability
LF	low frequency
LLBL	low-latitude boundary layer
MDS	magnetosheath dispersed signatures
MFA	mean field-aligned coordinates
MFED	magnetic wave field energy distribution
MFR	minimum Faraday residue
MHD	magnetohydrodynamics
MLT	magnetic local time
MMR	minimum mass-flux residue
MMS	mirror mode structure
MP	magnetopause
MTV	minimum thickness variation
MVA	minimum variance analysis
MVAB	minimum variance analysis on B
MVABC	MVAB with $\langle \mathbf{B} \rangle \cdot \mathbf{n} = 0$ constraint
MVAJ	minimum variance analysis of current density
OCB	open-closed field line boundary
PIC	Particle in Cell
PDL	plasma depletion layer
PM	plasma mantle
PMS	planar magnetic structure
RD	rotational discontinuity
R_E	Earth radius
TD	tangential discontinuity
TDS	time domain sample
ULF	ultra-low frequency
WHAMP	Waves in Homogeneous Anisotropic Magnetized Plasma

Author Affiliations and Addresses

David Attié
CETP/IPSL
10-12 av. de l'Europe
78140 Vélizy
France
david.attie@cetp.ipsl.fr

Stuart Bale
Space Sciences Laboratory
University of California, Berkeley
Berkeley, CA 94720-7450
USA
bale@ssl.berkeley.edu

Michael Balikhin
University of Sheffield
Mappin Street
Sheffield S1 3JD
United Kingdom
balikhin@acse.shef.ac.uk

Andre Balogh
The Blackett Laboratory
Imperial College of Science and Technology
Prince Consort Rd.
London SW7 2BZ
United Kingdom
a.balogh@imperial.ac.uk

Yulia Bogdanova
Mullard Space Science Laboratory
University College London
Holmbury St. Mary
Dorking, Surrey, RH5 6NT
United Kingdom
jb@mssl.ucl.ac.uk

David Burgess
Astronomy Unit
Queen Mary, University of London
Mile End Rd.
London E1 4NS
United Kingdom
d.burgess@qmul.ac.uk

Peter Cargill
Space and Atmospheric Physics
The Blackett Laboratory
Imperial College
Prince Consort Rd.
London SW7 2BZ
United Kingdom
p.cargill@imperial.ac.uk

Dragos Constantinescu
Institut für Geophysik und
extraterrestrische Physik
TU-Braunschweig
Mendelssohnstr. 3
D-38106 Braunschweig
Germany
d.constantinescu@tu-bs.de

Nicole Cornilleau-Wehrlin
CETP/IPSL
10-12 av. de l'Europe
78140 Vélizy
France
nicole.cornilleau@cetp.ipsl.fr

Johan De Keyser
Belgian Institute for Space Aeronomy (BISA)
Ringlaan 3
B-1180 Brussels
Belgium
johan.dekeyser@bira-iasb.oma.be

Pierrette Décreau
LPCE/CNRS and Université d'Orléans
3A av. de la recherche scientifique
F-45071 Orléans
France
pdecreau@cnrs-orleans.fr

Malcolm Dunlop
SSTD
RAL
Chilton
Didcot, OX11 0QX
United Kingdom
m.dunlop@rl.ac.uk

Jonathan Eastwood
Goddard Space Flight Center
MC 696
Greenbelt, MD 20771
USA
jeastwood@lepvax.gsfc.nasa.gov

C. Philippe Escoubet
ESTEC
Keplerlaan 1
Postbus 299
NL-2200 AG Noordwijk
The Netherlands
philippe.escoubet@esa.int

Stephen Fuselier
Department L9-42
Lockheed-Martin Advanced Techn. Center
Bldg. 255
3251 Hanover Street
Palo Alto, CA 94304
USA
fuselier@spasci.com

Melvyn Goldstein
Goddard Space Flight Center
MC 692
NASA
Greenbelt, MD 20771
USA
melvyn.goldstein@gsfc.nasa.gov

Benjamin Grison
CETP/IPSL
10-12 av. de l'Europe
78140 Vélizy
France
Benjamin.Grison@cetp.ipsl.fr

Stein Haaland
Max-Planck-Institut für extraterrestrische Physik
Postfach 1312
D-85741 Garching
Germany
seh@mpe.mpg.de

Tim Horbury
The Blackett Laboratory
The Blackett Laboratory
Imperial College
Prince Consort Rd.
London SW7 2BZ
United Kingdom
t.horbury@imperial.ac.uk

Vladimir Krasnoselskikh
LPCE/CNRS
3A, av. de la Recherche Scientifique
F-45071 Orléans Cedex 2
France
vkrasnos@cnrs-orleans.fr

Harald Kucharek
Space Science Center
University of New Hampshire
39 College Road
Morse Hall
Durham, NH 03824
USA
harald.kucharek@unh.edu

Benoit Lavraud
Space Science and Application
Los Alamos National Laboratory
P.O. Box 1663, MS D466
Los Alamos, NM 87545
USA
lavraud@lanl.gov

Bertrand Lembège
CETP/IPSL 10-12, av. de l'Europe
F-78140 Vélizy
France
bertrand.lembège@cetp.ipsl.fr

Elizabeth Lucek
Space and Atmospheric Physics
The Blackett Laboratory
Imperial College
Prince Consort Rd.
London SW7 2BZ
United Kingdom
e.lucek@imperial.ac.uk

Rickard Lundin
Swedish Institute of Space Physics
P.O. Box 812
SE-98128 Kiruna
Sweden
rickard.lundin@irf.se

Christian Mazelle
CESR/CNRS
9, av. du Colonel Roche
BP 4346
F-31028 Toulouse cedex 4
France
christian.mazelle@cesr.fr

Karim Meziane
Physics Department
University of New Brunswick
P.O. Box 4400
Fredericton, NB E3B5A3
Canada
karim@unb.ca

Eberhard Möbius
Space Science Center
and Departement of Physics
University of New Hampshire
Durham, NH 03824-3525
USA
eberhard.moebius@unh.edu

Yasuhito Narita
Institut für Geophysik und
extraterrestrische Physik
TU-Braunschweig
Mendelssohnstrasse 3
D-38106 Braunschweig
Germany
y.narita@tu-bs.de

Katariina Nykyri
Space and Atmospheric Physics Group
The Blackett Laboratory
Imperial College
Prince Consort Rd.
London SW7 2BZ
United Kingdom
k.nykyri@imperial.ac.uk

Christopher Owen
Mullard Space Science Laboratory
University College London
Holmbury St. Mary
Dorking, Surrey, RH5 6NT
United Kingdom
cjo@mssl.ucl.ac.uk

Götz Paschmann
International Space Science Institute
Hallerstr. 6
CH-3012 Bern
Switzerland
goetz.paschmann@issi.unibe.ch

Tai Phan
Space Sciences Lab.
University of California Berkeley
Berkeley, CA 94720
USA
phan@ssl.berkeley.edu

Jolene Pickett
Department of Physics and Astronomy
The University of Iowa
Iowa City, IA 52242
USA
pickett@uiowa.edu

Jean-Louis Pinçon
LPCE/CNRS and Université d'Orléans
3A av. de la recherche scientifique
F-45071 Orléans
France
jlpincon@cnrs-orleans.fr

Laurence Rezeau
 CETP/IPSL/UPMC
 10-12 av. de l'Europe
 F-78140 Vélizy
 France
 laurence.rezeau@cetp.ipsl.fr

Barrett Rogers
 Dartmouth College
 HB 6127
 Wilder Bldg.
 Hanover, NH 03755
 USA
 barrett.rogers@dartmouth.edu

Fouad Sahraoui,
 CETP/IPSL
 10-12, av. de l'Europe
 F-78140 Vélizy
 France
 fouad.sahraoui@cetp.ipsl.fr

Manfred Scholer
 Max-Planck-Institut für extraterrestrische Physik
 Postfach 1312
 D-85741 Garching
 Germany
 mbs@mpe.mpg.de

Steve Schwartz
 The Blackett Laboratory
 Imperial College
 Prince Consort Rd.
 London SW7 2BZ
 United Kingdom
 s.schwartz@imperial.ac.uk

Bengt Sonnerup
 Thayer School of Engineering
 Dartmouth College
 8000 Cummings Hall
 Hanover, NH 03755-8000
 USA
 sonnerup@dartmouth.edu

Michelle Thomsen
 Space and Atmospheric Sciences Group
 Los Alamos National Laboratory
 MS D466
 Los Alamos, NM 87545
 USA
 mthomsen@lanl.gov

Rudolf Treumann
 Max-Planck-Institut für extraterrestrische Physik
 Postfach 1312
 D-85741 Garching
 Germany
 tre@mpe.mpg.de

Andris Vaivads
 Swedish Institute of Space Physics
 Box 537
 SE-75121 Uppsala
 Sweden
 andris@irfu.se

Simon Walker
 Department of Automatic Control and Systems
 Engineering
 University of Sheffield
 Mappin Street
 Sheffield S1 3JD
 United Kingdom
 simon.walker@sheffield.ac.uk

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