

**INSTITUTO GEOFISICO DEL PERU**

**RADIO OBSERVATORIO DE JICAMARCA**

**INSTITUTO NACIONAL DE INVESTIGACION  
Y CAPACITACION DE TELECOMUNICACIONES**

**THE EQUATORIAL ELECTROJET  
A BIBLIOGRAPHY**

**Ing. Juan Alvarez, INICTEL  
Dr. Ronald Woodman, ROJ-IGP**

**LIMA - PERU  
1990**

## **PUBLICATIONS ON E-REGION AND EQUATORIAL ELECTROJET**

This work has been carried out for the purpose of transferring scientific knowledge on the Equatorial Electrojet to the engineering community who works in the field of telecommunications. The skillful knowledge acquired on this subject, through several decades, by the international scientific community, by the Instituto Geofísico del Perú and, specially, by the Jicamarca's Radio Observatory, has made possible the use of the Equatorial Electrojet for communication purposes. With this motivation, the Instituto Nacional de Investigación y Capacitación de Telecomunicaciones (INICTEL) and the Instituto Geofísico del Perú (IGP) have begun a transference of technology project. As a first step, we have started compiling bibliography which assembles the scientific knowledge on this field for the interested technical community.

The Equatorial Electrojet is essentially a "jet" of high current concentrated at about  $105 \pm 10$  Km's of altitude, centered around the magnetic equator ( $\pm 300$  Km), and it manifests itself by anomalous variations in the earth magnetic field and by the production of ionospheric density irregularities. The latter scatters radio signals. The scatter signals are used either for the remote sensing of the ionosphere (ionosonde, back and forward scatter radar) or for communication purposes.

This compilation gathers titles and authors of studies which directly analyze the Equatorial Electrojet or the equatorial E-Region of the ionosphere. This work starts chronologically with an article of Chapman S. (1951), where the equatorial "anomaly" that is observed on E-Region in the surroundings of the magnetic equator is named as Equatorial Electrojet. From that time several publications have appeared which study this phenomena on an experimental and theoretical basis.

Radar techniques were introduced at the beginning of the 1960's decade, observations were improved and the understanding of many properties and effects of equatorial electrojet was accelerated. A great number of these contributions resulted from experiments carried out at the Radio Observatory of Jicamarca.

Bowles K.L. and Cohen R. (1962-1963) carried out experiments during the International Geophysical Year, where they observed that the intensity of signals scattered by the equatorial E-Region was considerably bigger than that observed in middle latitudes. This suggested that there was a very important natural resource for communications at the magnetic equator's zone. However, the development requires good knowledge of the characteristics of this phenomenon. These characteristics have been studied in the last few decades and are mentioned in the present bibliography. We should mention, though, that more work needs to be done to translate this knowledge into communication design parameters.

The collection of publications is composed in its majority by articles in scientific magazines. They are identified by their AUTHOR, YEAR, name of the magazine (PERIODICAL), volume (ISSUE), PAGES where the article appears and TITLE of the article. Additionally, each publication has been coded (CODE) in order to identified a study in accordance to the information's topic or content. The list also includes unpublished reports and books.

All these data have been stored in a diskette, as a DBase III data base for a IBM-compatible PC. The use of DBase III enable us, without much difficulty, to classify, correct, extend and bring records up-to-date. The data has been stored in three related files, a master one with the

minimum information which uniquely identifies an article (first author, periodical, issue and year of publication), and two files one containing all authors and the other the complete title. By reducing the size of each record in the three files and by proper indexation it is possible to search or sort relatively fast using a variety of criteria by means of standard DBase commands. In this report we have listed all the information we have at present chronologically sorted, as well as a list of authors (first or otherwise) and a cross reference to the article records in which they are involved.

### Code's Description

A code is made up by a group of capital and small letters, which correspond respectively to basic subjects and sub-indexes of explanation. Following a glossary of capital letters is described:

- EQ :equatorial electrojet, equatorial E-region, equatorial sporadic E.
- P :general ionospheric propagation, related to the subject but not an EQ paper.
- O :reports observations.
- T :theory.
- R :review.

Small letters are placed next to capital letters as sub-indexes and state the content of information. The glossary is as follows:

Capital letters EQ or P are qualified by the following:

- i :irregularities or instabilities.
- j :electric current.
- e :electric field.
- n :electronic density or composition.
- w :neutral winds.
- c :correlation with other geophysical phenomena.

Capital letter O is qualified by the following:

- i :HF propagation or ionosonde.
- m :magnetometer.
- s :satellite.
- c :sky rocket.
- r :radar or forward scattering.
- \$ :scintillations.
- t :measurement techniques.
- d :drift.
- l :laboratory.

Capital letter T is qualified by the following:

- s :simulation.
- m :model.

Capital letter R is not qualified by sub-indexes; the scope of the review would be qualified

by the other letters in the code. Additionally, two symbols have been included in the code to indicate that the code's nomination is doubtful (symbol: ?), or to express that the mentioned article does not exist at the library of the Jicamarca Observatory (symbol: \*).

### Abbreviations

A possible difficulty may be encountered in deciphering a magazine's name (PERIODICAL), because in the majority of cases it has been abbreviated. Following, a list of the employed abbreviations is given:

Ann.Geophys.	:Annales de Geophysique.
A.Me.Geo.Bio.	:Archiv für Meteorologie, Geophysik und Bioklimatologie.
C.P.P.&C.F.	:Comments Plasma Physics and Controlled Fusion.
Curr.Sci.	:Current Science.
Eos Tran.AGU	:EOS Transactions of the American Geophysical Union.
Geomag.Aero.	:Geomagnetism and Aeronomy.
Geo.Res.Lett.	:Geophysical Research Letters.
In.J.P.A.Ph.	:Indian Journal of Pure Applied Physics.
Ind.J.R.S.Ph.	:Indian Journal of Radio and Space Physics.
In.Geo.Peru	:Instituto Geofisico del Peru.
J.A.T.P.	:Journal of Atmospheric and Terrestrial Physics.
J.Geo.Geoel.	:Journal of Geomagnetism and Geoelectricity.
J.Geo.Res.	:Journal of Geophysical Research.
J.Physique	:Journal de Physique.
J.Res.NBS	:Journal of Research of the National Bureau of Standards.
Nature	:Nature.
Nuo.Cimento	:Nuovo Cimento.
Ph.Tr.Roy.S.	:Philosophical Transactions of the Royal Society.
Phys.Fluids	:The Physics of Fluids.
Phys.Rev.	:The Physical Review.
P.R.Lab.Rep.	:Physical Research Laboratory Report.
Phys.Rev.Let.	:Physical Review Letters.
Plan.Spa.Sci.	:Planetary and Space Science.
Plasma Phys.	:Plasma Physics.
P.Ind.Ac.Sci.	:Proceedings of the Indian Academy of Science.
Proc.IRE	:Proceedings of the Institute of Radio Engineers.
Proc.Phys.So.	:Proceedings of the Physical Society.
Radio Sci.	:Radio Science.
Rev.Geophys.	:Reviews of Geophysics.
Rev.Geo.Sp.P.	:Reviews of Geophysics and Space Physics.
Sov.Phy.JETP	:Soviet Physics JETP.
Spa.Sci.Rev.	:Space Science Reviews.

The collection of publications is available for readers at the library of the Radio Observatory of Jicamarca and a copy of it at the library of INICTEL. The data base stored in

diskettes is also available for users but please send us a blank diskette. The collection or bibliography may be not complete but the task of compilation will be going on and we thank in advance your contribution or commentary on this respect.

## Index

	Page
References on Equatorial E-Region. Listed by Year-Authors.	1
References on Equatorial E-Region. Listed by First Author.	36
References on Equatorial E-Region. Index of Authors.	71

## **PUBLICATIONS ON E-REGION AND EQUATORIAL ELECTROJET**

This work has been carried out for the purpose of transferring scientific knowledge on the Equatorial Electrojet to the engineering community who works in the field of telecommunications. The skillful knowledge acquired on this subject, through several decades, by the international scientific community, by the Instituto Geofisico del Peru and, specially, by the Jicamarca's Radio Observatory, has made possible the use of the Equatorial Electrojet for communication purposes. With this motivation, the Instituto Nacional de Investigacion y Capacitacion de Telecomunicaciones (INICTEL) and the Instituto Geofisico del Peru (IGP) have begun a transference of technology project. As a first step, we have started compiling bibliography which assembles the scientific knowledge on this field for the interested technical community.

The Equatorial Electrojet is essentially a "jet" of high current concentrated at about  $105 \pm 10$  Km's of altitude, centered around the magnetic equator ( $\pm 300$  Km), and it manifests itself by anomalous variations in the earth magnetic field and by the production of ionospheric density irregularities. The latter scatters radio signals. The scatter signals are used either for the remote sensing of the ionosphere (ionosonde, back and forward scatter radar) or for communication purposes.

This compilation gathers titles and authors of studies which directly analyze the Equatorial Electrojet or the equatorial E-Region of the ionosphere. This work starts chronologically with an article of Chapman S. (1951), where the equatorial "anomaly" that is observed on E-Region in the surroundings of the magnetic equator is named as Equatorial Electrojet. From that time several publications have appeared which study this phenomena on an experimental and theoretical basis.

Radar techniques were introduced at the beginning of the 1960's decade, observations were improved and the understanding of many properties and effects of equatorial electrojet was accelerated. A great number of these contributions resulted from experiments carried out at the Radio Observatory of Jicamarca.

Bowles K.L. and Cohen R. (1962-1963) carried out experiments during the International Geophysical Year, where they observed that the intensity of signals scattered by the equatorial E-Region was considerably bigger than that observed in middle latitudes. This suggested that there was a very important natural resource for communications at the magnetic equator's zone. However, the development requires good knowledge of the characteristics of this phenomenon. These characteristics have been studied in the last few decades and are mentioned in the present bibliography. We should mention, though, that more work needs to be done to translate this knowledge into communication design parameters.

The collection of publications is composed in its majority by articles in scientific magazines. They are identified by their AUTHOR, YEAR, name of the magazine (PERIODICAL), volume (ISSUE), PAGES where the article appears and TITLE of the article. Additionally, each publication has been coded (CODE) in order to identified a study in accordance to the information's topic or content. The list also includes unpublished reports and books.

All these data have been stored in a diskette, as a DBase III data base for a IBM-compatible PC. The use of DBase III enable us, without much difficulty, to classify, correct, extend and bring records up-to-date. The data has been stored in three related files, a master one with the

minimum information which uniquely identifies an article (first author, periodical, issue and year of publication), and two files one containing all authors and the other the complete title. By reducing the size of each record in the three files and by proper indexation it is possible to search or sort relatively fast using a variety of criteria by means of standard DBase commands. In this report we have listed all the information we have at present chronologically sorted, as well as a list of authors (first or otherwise) and a cross reference to the article records in which they are involved.

### Code's Description

A code is made up by a group of capital and small letters, which correspond respectively to basic subjects and sub-indexes of explanation. Following a glossary of capital letters is described:

EQ :equatorial electrojet, equatorial E-region, equatorial sporadic E.  
P :general ionospheric propagation, related to the subject but not an EQ paper.  
O :reports observations.  
T :theory.  
R :review.

Small letters are placed next to capital letters as sub-indexes and state the content of information. The glossary is as follows:

Capital letters EQ or P are qualified by the following:

i :irregularities or instabilities.  
j :electric current.  
e :electric field.  
n :electronic density or composition.  
w :neutral winds.  
c :correlation with other geophysical phenomena.

Capital letter O is qualified by the following:

i :HF propagation or ionosonde.  
m :magnetometer.  
s :satellite.  
c :sky rocket.  
r :radar or forward scattering.  
\$ :scintillations.  
t :measurement techniques.  
d :drift.  
l :laboratory.

Capital letter T is qualified by the following:

s :simulation.  
m :model.

Capital letter R is not qualified by sub-indexes; the scope of the review would be qualified



by the other letters in the code. Additionally, two symbols have been included in the code to indicate that the code's nomination is doubtful (symbol: ?), or to express that the mentioned article does not exist at the library of the Jicamarca Observatory (symbol: \*).

### Abbreviations

A possible difficulty may be encountered in deciphering a magazine's name (PERIODICAL), because in the majority of cases it has been abbreviated. Following, a list of the employed abbreviations is given:

Ann.Geophys.	:Annales de Geophysique.
A.Me.Geo.Bio.	:Archiv für Meteorologie, Geophysik und Bioklimatologie.
C.P.P.&C.F.	:Comments Plasma Physics and Controlled Fusion.
Curr.Sci.	:Current Science.
Eos Tran.AGU	:EOS Transactions of the American Geophysical Union.
Geomag.Aero.	:Geomagnetism and Aeronomy.
Geo.Res.Lett.	:Geophysical Research Letters.
In.J.P.A.Ph.	:Indian Journal of Pure Applied Physics.
Ind.J.R.S.Ph.	:Indian Journal of Radio and Space Physics.
In.Geo.Peru	:Instituto Geofisico del Peru.
J.A.T.P.	:Journal of Atmospheric and Terrestrial Physics.
J.Geo.Geoel.	:Journal of Geomagnetism and Geoelectricity.
J.Geo.Res.	:Journal of Geophysical Research.
J.Physique	:Journal de Physique.
J.Res.NBS	:Journal of Research of the National Bureau of Standards.
Nature	:Nature.
Nuo.Cimento	:Nuovo Cimento.
Ph.Tr.Roy.S.	:Philosophical Transactions of the Royal Society.
Phys.Fluids	:The Physics of Fluids.
Phys.Rev.	:The Physical Review.
P.R.Lab.Rep.	:Physical Research Laboratory Report.
Phys.Rev.Let.	:Physical Review Letters.
Plan.Spa.Sci.	:Planetary and Space Science.
Plasma Phys.	:Plasma Physics.
P.Ind.Ac.Sci.	:Proceedings of the Indian Academy of Science.
Proc.IRE	:Proceedings of the Institute of Radio Engineers.
Proc.Phys.So.	:Proceedings of the Physical Society.
Radio Sci.	:Radio Science.
Rev.Geophys.	:Reviews of Geophysics.
Rev.Geo.Sp.P.	:Reviews of Geophysics and Space Physics.
Sov.Phy.JETP	:Soviet Physics JETP.
Spa.Sci.Rev.	:Space Science Reviews.

The collection of publications is available for readers at the library of the Radio Observatory of Jicamarca an a copy of it at the library of INICTEL. The data base stored in

diskettes is also available for users but please send us a blank diskette. The collection or bibliography may be not complete but the task of compilation will be going on and we thank in advance your contribution or commentary on this respect.

## Index

	Page
References on Equatorial E-Region. Listed by Year-Authors.	1
References on Equatorial E-Region. Listed by First Author.	36
References on Equatorial E-Region. Index of Authors.	71

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
1	Chapman S.	1951	Arch. f. Meteorol. Ser.A4 Geophysik u. Bioklimatol.		368-390	The equatorial Electrojet as detected from the abnormal electric current distribution above Huancayo, Peru, and elsewhere.	EQj,Om *
2	Matsushita S.	1951	J.Geomag.Geoele.	3	44-46	Intense Es ionization near the magnetic equator.	EQnc,Oi *
3	Singer S.F. Maple E. Bowen W.A.	1951	J.Geophys.Res.	56	265-281	Evidence for ionospheric currents from rocket experiments near the geomagnetic equator.	EQj,Oc *
4	Bailey D.K. Bateman R. Berkner L.V. Booker H.G. Montgomery G.F. Purcell E.M. Salisbury W.W.	1952	Phys.Rev.	86	141-145	A new kind of Propagation at very high frequencies observable over long distances.	Pi,Or,T
5	Baker W.G. Martyn D.F.	1952	Nature	170	1090-1092	Conductivity of the ionosphere.	EQj,T *
6	Maeda K.	1952	J.Geomag.Geoele.	4	63-82	Dynamo-theoretical conductivity and current in the ionosphere.	EQj,T *
7	Matsushita S.	1952	J.Geomag.Geoele.	4	39-40	Semidiurnal lunar variation in sporadic E.	EQnc,Oi *
8	Singer S.F. Maple E. Bowen W.A.	1952	Nature	4339	1093-1094	Dynamo currents and conductivities in the earth's upper atmosphere.	EQj,Oc
9	Baker W.G. Martyn D.F.	1953	Phil.Trans.Roy.S.	A246	281-294	Electric currents in the ionosphere. I. Conductivity	EQj,T
10	Baker W.G.	1953	Phil.Trans.Roy.S.	A246	295-305	Electric currents in the ionosphere. II. The Atmospheric Dynamo.	EQj,T
11	Fejer J.A.	1953	J.Atm.Terr.Phys.	4	184-203	Semidiurnal currents and electron drifts in the ionosphere.	EQj,T
12	Martyn D.F.	1953	Phil.Trans.Roy.S.	A246	306-320	Electric current in the ionosphere. III. Ionization drift due to winds and electric fields.	EQj,T
13	Matsushita S.	1953	J.Geomag.Geoele.	5	109-135	Ionospheric variations associated with magnetic disturbances.	EQj,Om *
14	Matsushita S.	1953	Rep. Ionos. Res. 7 Japan		45-52	Lunar tidal variations in the sporadic-E region.	EQnc,Oi *
15	Rangarajan S.	1954	J.Geophys.Res.	59	239-264	The sporadic E layer at Kodaikanal.	EQnc,Oi *
16	Veldkamp J. Scholte J.G.	1954	Indian J.Met.Geo.	5	203-	Some remarks on the Equatorial Electrojet as revealed by the analysis of solar flare effects.	EQj,Om *
17	Bailey D.K. Bateman R. Kirby R.C.	1955	Proc.IRE	43	1181-1230	Radio transmission at VHF by scattering and other processes in the lower ionosphere.	Pi,Or,R
18	Forbush S.E. Vestine E.H.	1955	J.Geophys.Res.	60	299-316	Daytime enhancement of size of sudden commencements and initial phase of magnetic storms at Huancayo.	EQ *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
19	Maeda H.	1955	J.Geomag.Geoel.	7	121-132	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. I. Non rotating earth.	EQjw,T ?*
20	Chapman S.	1956	Nuovo Cimento	4 Sup.4	1385-1412	The electrical Conductivity of the Ionosphere. A Review.	EQj,T,R
21	Kato S.	1956	J.Geomag.Geoel.	8	24-37	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. II. Rotating earth.	EQ,T ?*
22	Alexander N.S. Onwumechilli C.A.	1957	Nature	180	191-192	Variation of the Horizontal Force near the Magnetic Equator.	EQj,Om *
23	Bowles K.L. Cohen R.	1957	QST	41	11-15	NBS equatorial region VHF scatter research program for the IGY.	EQi,Or
24	Kato S.	1957	J.Geomag.Geoel.	9	107-115	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. IV.	EQ,T ?*
25	Maeda H.	1957	J.Geomag.Geoel.	9	86-93	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. III.	EQj,T ?*
26	Malsushita S.	1957	J.Atm.Terr.Phys.	10	163-165	Lunar effects of the equatorial Es.	EQnc,Oi
27	Skinner N.J. Wright R.W.H.	1957	Proc.Phys.Soc.	B70	833-839	The effect of the equatorial electrojet on the ionospheric Es and F2 layers.	EQjn *
28	Al'pert J.L.	1958	Sov.Phys.JETP	v.6,n.1	167-175	Electron density fluctuations and the scattering of radio waves in the ionosphere.	Pi,T
29	Cahill L.J. Van Allen J.A.	1958	J.Geophys.Res.	63	270-273	New Rocket Measurement of ionospheric currents near the geomagnetic equator.	EQj,Oc
30	Raja Rao K.S. Sivaraman K.R.	1958	J.Geophys.Res.	63	727-730	Lunar geomagnetic tides at Kodaikanal.	EQ *
31	Zmuda A.J.	1958	J.Geophys.Res.	63	477-490	A method for analyzing values of the scalar magnetic intensity.	EQj,Om *
32	Cahill L.J.	1959	J.Geophys.Res.	64	489-503	Investigation of the equatorial electrojet by rocket magnetometer.	EQe,Ocm ?*
33	Knecht R.W.	1959	J.Atm.Terr.Phys.	14	348-349	An additional lunar influence on equatorial Es at Huancayo.	EQnc,Oi
34	Onwumechilli C.A. Alexander N.S.	1959	J.Atm.Terr.Phys.	16	115-123	Variations in the geomagnetic field at Ibadan, Nigeria. II. Lunar and luni-solar variations in H and Z.	EQj,Om
35	Onwumechilli C.A.	1959	J.Atm.Terr.Phys.	13	222-234	A study of the equatorial electrojet. I. An experimental study.	EQj,Om
36	Onwumechilli C.A.	1959	J.Atm.Terr.Phys.	16	274-282	The relation between H- and Z-variations near the equatorial electrojet.	EQj,Om
37	Onwumechilli C.A. Alexander N.S.	1959	J.Atm.Terr.Phys.	16	106-114	Variations in the geomagnetic field at Ibadan, Nigeria. I. Solar variations.	EQj,Om

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
38	Onwumechilli C.A.	1959	J.AtM.Terr.Phys.	13	235-257	A study of the equatorial electrojet. II. A model electrojet that fits H observations.	EQj,Om,Tm
39	Onwumechilli C.A.	1959	Nature	184	51-	Possible asymmetry in the Daily Range of the geomagnetic vertical intensity around the magnetic Equator.	EQj,Om *
40	Wright R.W.H. Skinner N.J.	1959	J.AtM.Terr.Phys.	13	217-221	Lunar tides in the sporadic E-layer at Ibadan.	EQnc,Oi
41	Alexander N.S. Onwumechilli C.A.	1960	J.AtM.Terr.Phys.	18	87-	Direction of variation in the geomagnetic vertical field at Ibadan, Nigeria.	EQj,Om *
42	Bowles K.L. Cohen R. Ochs G.R. Batsley B.B.	1960	J.Geophys.Res.	65	1853-1855	Radio echoes from field-aligned ionization above the magnetic equator and their resemblance to auroral echoes.	EQi,Or
43	Egan R.D.	1960	J.Geophys.Res.	65	2343-2358	Anisotropic field-aligned ionization Irregularities in the Ionosphere near the magnetic equator.	EQi,Or *
44	Hutton R.	1960	Nature	186	955-956	Regular micropulsations of the earth's field at the equator.	EQj,Om *
45	Onwumechilli C.A.	1960	J.AtM.Terr.Phys.	17	286-294	Fluctuations in the geomagnetic horizontal field near the magnetic equator.	EQj,Om *
46	Onwumechilli C.A.	1960	J.Geophys.Res.	65	3433-3435	Lunar daily variation of the magnetic declination at Ibadan, Nigeria.	EQjc,Om *
47	Zmuda A.J.	1960	J.Geophys.Res.	65	2247-2253	Ionospheric electrostatic fields and the equatorial electrojet.	EQe ?*
48	Forbush S.E. Casaverde M.	1961	Carnegie Inst.	Pub 620	1-37	Equatorial Electrojet in Peru.	EQj,Om
49	Hutton R. Wright R.W.H.	1961	J.AtM.Terr.Phys.	20	100-109	Diurnal variation of earth currents at the equator.	EQj,Om
50	Bowles K.L. Cohen R.	1962	Book	New York	51-77	A study of radio wave scattering from Sporadic E near the magnetic equator. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQi,Or
51	Cohen R. Bowles K.L. Calvert W.	1962	J.Geophys.Res.	67	965-972	On the nature of equatorial slant Sporadic E.	EQin,Oi
52	Gouin P.	1962	Nature	193	1145-1146	Reversal of the magnetic daily variation at Addis Ababa.	EQj,Om *
53	Hutton R.	1962	Nature	195	269-270	Equatorial micropulsations and ionospheric disturbance currents.	EQj,Om *
54	Hutton R.	1962	J.AtM.Terr.Phys.	24	673-680	The solar and lunar daily variations of earth currents near the magnetic equator.	EQjc,Om
55	Ireland W. Mawdsley J.	1962	J.Geophys.Res.	67	2583-2585	Radio Echoes from field-aligned ionization at the magnetic equator.	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodicat	Issue	Pages	TITLE	Code
56	Knecht R.W. McDuffie R.E.	1962	Book	New York	215-218	On the width of the equatorial Es belt. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQnj,Om
57	Kotadia K.M.	1962	J.AtM.Terr.Phys.	24	211-218	The equatorial sporadic E-layer and the electrojet.	EQn,Oi
58	Matsushita S.	1962	Book	New York	344-375	Interrelations of Sparadic E and Ionospheric Currents. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQjn,Omi,R
59	Matsushita S.	1962	Book	New York	194-214	Lunar tidal variations of sporadic E. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQnc,Oi
60	Onwumechilli C.A. Ogbuehi P.O.	1962	J.AtM.Terr.Phys.	24	173-190	Fluctuations in the geomagnetic horizontal field.	EQj,Om
61	Osborne D.G.	1962	J.AtM.Terr.Phys.	24	491-502	Position and movement of the equatorial electrojet over Ghana.	EQj,Om
62	Rastogi R.G.	1962	J.AtM.Terr.Phys.	24	1031-1040	Longitudinal variation in the equatorial electrojet.	EQjc,Om
63	Wright R.W.H.	1962	Nature	194	1169-1170	Effect of magnetic disturbances on the equatorial ionosphere jet current.	EQj,Om *
64	Akasofu S.I. Chapman S.	1963	J.Geophys.Res.	68	2375-2382	The enhancement of the equatorial electrojet during polar magnetic substorms.	EQj,Om
65	Bandyopadhyay P. Montes H.	1963	J.Geophys.Res.	68	2453-2484	Some aspects of Es ionization of the magnetic equatorial region.	EQnc,Oim,R
66	Bowles K.L. Balsley B.B. Cohen R.	1963	J.Geophys.Res.	68	2485-2501	Field-aligned E-region Irregularities identified with acoustic plasma waves.	EQi,Or
67	Buneman O.	1963	Phys.Rev.Lett.	10	285-287	Excitation of field-aligned sound waves by electron streams.	EQi,T
68	Closs R.L.	1963	Proc.Phys.Soc.	82	664-668	An experimental investigation of back scattering of radio waves from the equatorial electrojet.	EQi,Or
69	Cohen R. Bowles K.L.	1963	J.Res.NBS	67D	459-480	Ionospheric VHF scattering near the magnetic equator during the international geophysical year.	EQi,Or
70	Cohen R. Bowles K.L.	1963	J.Geophys.Res.	68	2503-2525	The association of plane-wave electron-density irregularities with the equatorial electrojet.	EQi,Or
71	Farley D.T.	1963	J.Geophys.Res.	68	6083-6097	A plasma instability resulting in Field-Aligned irregularities in the ionosphere.	EQi,T
72	Farley D.T.	1963	Phys.Rev.Lett.	10	279-282	Two-stream plasma instability as a source of irregularities in the ionosphere.	EQi,T
73	Hutton R.	1963	J.Geophys.Res.	68	2403-2410	The S variation of earth currents near the magnetic equator, its seasonal changes, and its relation to variations of the magnetic field.	EQjc,Om
74	Hutton R.	1963	J.Geophys.Res.	68	2395-2402	The disturbance daily variation of the earth's field near the magnetic equator.	EQj,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	issue	Pages	TITLE	Code
75	Kato S.	1963	Plan.Space Sci.	11	1297-1302	Joule heating at the magnetic Equator.	EQj,Tm
76	Knapp D.G. Gettemy J.W.	1963	J.Geophys.Res.	68	2411-2420	A new longitude effect in the geomagnetic solar daily variation.	EQj,Om
77	Maeda K. Tsuda T. Maeda H.	1963	Phys.Rev.Lett.	11	406-407	Theoretical interpretation of the equatorial sporadic E-layers.	EQn,T *
78	Mayaud P.N.	1963	Ann.Geophys.	19	164-179	Electrojet équatorial et activité magnétique.	EQj,Om
79	Ogbuehi P.O. Orwumechilli C.A.	1963	J.Geophys.Res.	68	2421-2424	Recent Measurements of the magnetic field of the equatorial electrojet in Nigeria.	EQj,Om
80	Orwumechilli C.A.	1963	J.Geophys.Res.	68	2425-2433	Separation of the semidiurnal tidal effect on individual days and some equatorial features of the geomagnetic lunar tide.	EQjc,Om
81	Orwumechilli C.A.	1963	J.Atm.Terr.Phys.	25	55-70	Lunar effect on the diurnal variation of the geomagnetic horizontal field near the magnetic equator.	EQjc,Om *
82	Osborne D.G.	1963	J.Geophys.Res.	68	2435-2439	Daily variability in strength of the equatorial electrojet.	EQj,Om
83	Osborne D.G. Skinner N.J.	1963	J.Geophys.Res.	68	2441-2444	Equatorial drift and the electrojet.	EQje,Om d
84	Price A.T. Wilkins G.A.	1963	Phil.Trans.Roy.S.	A256	31-98	New Method for the Analysis of geomagnetic field and their application to the Sq-field of 1932-33.	EQj,T *
85	Rastogi R.G.	1963	J.Geophys.Res.	68	2445-2451	Lunar tidal variations in the equatorial electrojet current.	EQjc,Om
86	Simon A.	1963	Phys.Fluids	6	382-388	Instability of partially ionized plasma in crossed electric and magnetic fields.	EQi,T
87	Balsley B.B.	1964	J.Geophys.Res.	69	1925-1930	Evidence of a stratified echoing region at 150 kilometers in the vicinity of the magnetic equator during daylight hours.	EQi,Or
88	Bardypadhyay P.	1964	Inst.Geofis.Peru			La ionización de la capa E-esporádica cerca del ecuador magnético.	EQnjc,OimrR
89	Bowles K.L.	1964	Book	New York	55-176	Radio wave scattering in the ionosphere. [Book: "Advances in Electronics and Electron Physics", v.19 Marton L. editor, Academic Press]	EQi,Or,R
90	Cohen R. Farley D.T.	1964	Proc.Phys.Soc.	84	619-620	Comments on a paper by R.L.Closs, "An experimental investigation of backscattering of radio waves from the equatorial electrojet".	EQi,Or *
91	Knox F.B.	1964	J.Atm.Terr.Phys.	26	239-249	A contribution to the theory of the production of field-aligned ionization irregularities in the equatorial electrojet.	EQi,Tm
92	Ogbuehi P.O. Orwumechilli C.A.	1964	J.Atm.Terr.Phys.	26	889-898	Daily and seasonal changes in the Equatorial Electrojet in Nigeria.	EQjc,Om *
93	Orwumechilli C.A.	1964	J.Atm.Terr.Phys.	26	729-748	On the existence of days with extraordinary geomagnetic lunar Tide.	EQjc,Om *



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
94	Onwumechilli C.A.	1964	J.Geophys.Res.	69	4015-4020	On the location of the effective equator for the F Region of the Ionosphere.	EQj ?*
95	Onwumechilli C.A.	1964	J.Geophys.Res.	69	5063-5073	The effective Equator for geomagnetic Sq variations.	EQj,Om *
96	Osborne D.G.	1964	J.AtM.Terr.Phys.	26	1097-1105	Daily and seasonal changes of the Equatorial Electrojet in Peru.	EQj,Om
97	Van Sabben D.	1964	J.AtM.Terr.Phys.	26	1187-1196	North-South Assymetry of Sq.	EQ *
98	Balsley B.B.	1965	J.Geophys.Res.	70	3175-3182	Some additional features of radar returns from the equatorial electrojet.	EQi,Or
99	Balsley B.B.	1965	Symposium	Brazil	300-301	Evidence for a nighttime westward current in the equatorial E region. [Proc.2nd.Intern.Symp. on Equatorial Aeronomy, F. de Mendonca, CNAE, Sao Paulo]	EQi,Or *
100	Bandyopadhyay P.	1965	Inst.Geolis.Peru			Una nota sobre variaciones ionosféricas de tipo diurno, anual y con el ciclo solar.	EQni,R
101	Bhavsar P.D. Ramanuja Rao K.	1965	Space Res.	8	986-	A first study of atmospheric winds near the equatorial electrojet by sodium cloud technique.	EQ ?*
102	Brown R.A.	1965	J.AtM.Terr.Phys.	27	855-870	Lunar tides in the equatorial sporadic-E layer.	EQnjc,Oim
103	Goodwin G.L.	1965	J.AtM.Terr.Phys.	27	777-793	Some aspects of direct backscatter echoes from sporadic-E.	EQi,Or
104	Maynard N.C. Cahill L.J.	1965	J.Geophys.Res.	70	5923-5936	Measurement of the equatorial electrojet over India.	EQj,Oc
105	Maynard N.C. Cahill L.J.	1965	J.Geophys.Res.	70	5975-5978	Preliminary results of measurements of Sq currents and the equatorial electrojet near Peru.	EQj,Oms
106	Maynard N.C. Cahill L.J. Sastry T.S.G.	1965	J.Geophys.Res.	70	1241-1245	Preliminary results of measurements of the Equatorial Electrojet over India.	EQnj,Oc
107	Ogbuehi P.O. Onwumechilli C.A.	1965	J.Geophys.Res.	70	4909-4919	Seasonal studies of the equatorial electrojet during low solar activity.	EQj,Om
108	Onwumechilli C.A.	1965	Symposium	Brazil	384-386	A three dimensional model of density distribution of ionospheric current causing part of quiet day geomagnetic variations. [Symp. on Equatorial Aeronomy, F. de Mendonca, Sao Paulo]	EQj,Tm *
109	Onwumechilli C.A.	1965	Symposium	Brazil	387-390	Themagnetic field of a current model for a part of geomagnetic Sq variation. [Symp. on Equatorial Aeronomy, F. de Mendonca, Sao Paulo]	EQj *
110	Onwumechilli C.A. Ogbuehi P.O.	1965	Symposium	Brazil	411-412	Daily changes in the Equatorial Electrojet over India during the equinox of 1958. [Symp. on Equatorial Aeronomy, F. de Mendonca, Sao Paulo]	EQj,Om *
111	Onwumechilli C.A. Ogbuehi P.O.	1965	Symposium	Brazil	413-414	Some recent analysis of the magnetic field of the Equatorial Electrojet. [Symp. on Equatorial Aeronomy, F. de Mendonca, Sao Paulo]	EQj,R *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
112	Price A.T.	1965	Symposium	Brazil	415-418	The effective conductivity of the equatorial ionosphere for the Sq current system. [Symp.on Equatorial Aeronomy, F. de Mendonca, Sao Paulo]	EQj *
113	Waldteufel P.	1965	Ann.Geophys.	21	579-604	Etude de l'instabilité liée à la couche E sporadique équatoriale.	EQi,T *
114	Balsley B.B.	1966	Ann.Geophys.	22	460-462	Evidence of the nighttime current reversal in the equatorial electrojet.	EQi,Or
115	Deshpande M.R. Rastogi R.G.	1966	Ann.Geophys.	22	418-421	Ionospheric horizontal drifts within the equatorial electrojet region in India.	EQe,Oid
116	Gassmann G.J. Wagner R.A.	1966	J.Geophys.Res.	71	1879-1890	On the equatorial electrojet.	EQjn,Omi
117	Maeda K. Kato S.	1966	Space Sci.Rev.	5	57-79	Electrodynamics of the ionosphere.	GQ,R ?*
118	Onwumechilli C.A.	1966	Nigerian J.Sci.	1	11-19	A new model of the equatorial electrojet current.	EQj,Tm *
119	Onwumechilli C.A. Ogbuehi P.O.	1966	J.Geomag.Geoelect.	18	455-465	Relative magnitudes of geomagnetic daily range measures near the dip equator.	EQj,Om ?*
120	Onwumechilli C.A.	1966	Ann.Geophys.		157-162	A three dimensional model of density distribution in ionospheric currents causing part of quiet day geomagnetic variations.	EQj,Tm *
121	Onwumechilli C.A.	1966	Ann.Geophys.		163-170	The magnetic field of a current model for part of geomagnetic Sq variations.	EQj ?*
122	Osborne D.G.	1966	J.Atmos.Terr.Phys.	28	45-51	Correlations between quiet-day magnetic ranges.	EQjc,Om
123	Rastogi R.G. Trivedi N.B. Kaushika N.D.	1966	J.Atmos.Terr.Phys.	28	131-136	Night-time sudden commencements in H within the equatorial electrojet region.	EQj,Om
124	Rastogi R.G. Deshpande M.R. Kaushika N.D.	1966	J.Atmos.Terr.Phys.	28	137-140	Ionospheric E-region drift measurements over the magnetic equator in India.	EQe,Oid
125	Sugiura M. Cain J.C.	1966	J.Geophys.Res.	71	1869-1877	A model equatorial electrojet.	EQj,Tm
126	Yacob A.	1966	J.Atmos.Terr.Phys.	28	581-597	Seasonal parameters of the equatorial electrojet at different longitudinal zones.	EQj,Om
127	Balsley B.B.	1967	Ierlm-Ilsa	PhD. Th.		Evidence for plasma turbulence in the equatorial electrojet.	EQi,Or,R
128	Brown R.A.	1967	J.Atmos.Terr.Phys.	29	1087-1093	The lunar tide in the E-layer.	EQnc,Oi
129	Cohen R.	1967	Book	New York	561-613	The equatorial ionosphere. [Book: "Physics of Geomagnetic Phenomena", v.1, Academic Press]	EQni,R
130	Cohen R. Bowles K.L.	1967	J.Geophys.Res.	72	885-893	Secondary irregularities in the equatorial electrojet.	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
131	Davis T.N. Burrows K. Stolarik J.D.	1967	J.Geophys.Res.	72	1845-1861	A latitude survey of the equatorial electrojet with rocket-borne magnetometers.	EQj,Om <sup>c</sup>
132	Dougherty J.P. Farley D.T.	1967	J.Geophys.Res.	72	885-901	Ionospheric E-region irregularities produced by nonlinear coupling of unstable plasma waves.	EQi,T
133	Dunford E.	1967	J.AtM.Terr.Phys.	29	1489-1498	The relationship between the ionospheric equatorial anomaly and the E-region current system.	EQej,Om <sup>s</sup>
134	Gouin P. Mayaud P.N.	1967	Ann.Geophys.	23	41-47	A propos de l'existence possible d'un contre électrojet aux latitudes magnétiques équatoriales.	EQj,Om ?*
135	Hutton R.	1967	J.AtM.Terr.Phys.	29	1429-1442	Sq currents in the american equatorial zone during the IGY-II. Day to day variability.	EQjc,Om
136	Hutton R.	1967	J.AtM.Terr.Phys.	29	1411-1427	Sq currents in the american equatorial zone during IGY-I. Seasonal effects.	EQjc,Om
137	Kato S. Hirata Y.	1967	Rep.Ion.Spa.Res	21	85-106	Electrostatic waves and ionization irregularities in the ionosphere.	EQei,Tm
138	Mayaud P.N.	1967	Ann.Geophys.	23	387-406	Correlation entre les variations journalières du champs magnétique terrestre sous l'électrojet équatorial et dans les regions avoisinantes.	EQj,Om *
139	Maynard N.C.	1967	J.Geophys.Res.	72	1863-1875	Measurements of ionospheric currents off the coast of Peru.	EQj,Oc
140	Ogbuehi P.O. Onwumechilli C.A. Ifedili S.O.	1967	J.AtM.Terr.Phys.	29	149-160	The equatorial electrojet and the world-wide Sq currents.	EQj,Om
141	Onwumechilli C.A. Ogbuehi P.O.	1967	J.AtM.Terr.Phys.	29	553-566	Analysis of the magnetic field of the equatorial electrojet.	EQj,Om
142	Onwumechilli C.A. Ogbuehi P.O.	1967	J.Geomag.GeoeI.	19	15-22	Preliminary results on the equatorial electrojet in India.	EQj,Om *
143	Onwumechilli C.A.	1967	Book	New York	425-507	Geomagnetic variations in the equatorial zone. ["Physics of Geomagnetic Phenomena", ed. by Matsushita S. and Campbell, Academic Press]	EQj,R *
144	Salo T. Tsuda T.	1967	Phys.Fluids	10	1262-1268	Computer study of nonlinear cross-field instability.	EQi,Ts
145	Untiedt J.	1967	J.Geophys.Res.	72	5799-5810	A model of the equatorial electrojet involving meridional currents.	EQj,Tm
146	Whitehead J.D.	1967	J.AtM.Terr.Phys.	29	1285-1297	Instabilities in a gradient of ionization and sporadic-E.	EQin,T
147	Aikin A.C. Blumle L.J.	1968	J.Geophys.Res.	73	1617-1626	Rocket measurements of the E-region electron concentration distribution in the vicinity of the geomagnetic equator.	EQjn,Oc
148	Cohen R.	1968	Symposium	Norway		Transequatorial propagation implications of equatorial vertical drifts measurements. [AGARD/EPC Symposium, Sandefjord - Norway]	Pi,Ord

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
149	Hall S.H.	1968	J.AtM.Terr.Phys.	30	1293-1300	Contour maps of the equatorial electrojet.	EQj ,Om
150	Kato S. Matsushita S.	1968	J.AtM.Terr.Phys.	30	857-869	Space charge waves and ionospheric irregularities.	EQi,Tm
151	Kent G.S. Wright R.W.H.	1968	J.AtM.Terr.Phys.	30	657-691	Movements of ionospheric irregularities and atmospheric winds.	EQew,Oid
152	Matsushita S.	1968	Geo.J.R.Astr.Soc.	15	109-125	Sq and L current systems in the ionosphere.	EQjn ?*
153	Prakash S. Subbaraya B.H. Gupta S.P.	1968	J.AtM.Terr.Phys.	30	1193-1202	A study of equatorial E-region during evening twilight using Langmuir probe.	EQn,Oc
154	Reid G.C.	1968	J.Geophys.Res.	73	1627-1640	The formation of small-scale irregularities in the ionosphere.	EQi,T
155	Romero C.A. Giesecke A.A. Perez O.	1968	Symposium	Norway		VHF ionospheric scatter propagation via the equatorial electrojet. [AGARD/EPC Symposium, Sandefjord - Norway]	EQi,Or
156	Romero C.A.	1968	Symposium	Brasil		Effect of the total solar eclipse of november 12, 1966 on the behavior of a VHF ionospheric forward scattering propagation in the equatorial electrojet. [Solar Eclipse Symp., Sao Jose dos Campos, Brasil]	EQi,Or
157	Romero C.A. Giesecke A.A. Perez O.	1968	Inst.Geofis.Peru		1-23	Propagación de Ondas de Radio en VHF por Dispersión Ionosférica en el Electrochorro Ecuatorial.-Informe Preliminar.	EQi,Orm
158	Sastry T.S.G.	1968	J.Geophys.Res.	73	1789-1794	Quiet day electrojet over Thumba, India.	EQj,Omc
159	Tsuda T. Sato T.	1968	Phys.Fluids	11	676-678	Structure of plasma turbulence due to nonlinear cross field instability.	EQi,T
160	Weinstock J.	1968	J.Geophys.Res.	73	225-231	Deducing the magnitudes of ionospheric irregularities from backscatter measurements.	EQi,T
161	Balsley B.B.	1969	J.AtM.Terr.Phys.	31	475-478	Measurement of electron drift velocities in the night time equatorial electrojet.	EQe,Ord
162	Balsley B.B.	1969	J.Geophys.Res.	74	1213-1217	Nighttime electric fields and vertical ionospheric drifts near the magnetic equator.	EQe,Ord
163	Balsley B.B.	1969	J.Geophys.Res.	74	2333-2347	Some characteristics of non-two-stream irregularities in the equatorial electrojet.	EQi,Or
164	Balsley B.B. Woodman R.F.	1969	J.AtM.Terr.Phys.	31	865-867	On the control of the F-region drift velocity by the E-region electric field: experimental evidence.	EQec,Or
165	Bhavsar P.D. Narayanan M.S. Ramanuja Rao K.	1969	Space Res.	9	374-	Neutral atmosphere winds above 100 Km.	EQ ?*
166	Cain J.C.	1969	Radio Sci.	4	781-784	The location of the dip-equator at E-layer altitude.	EQj,Om *
167	Closs R.L.	1969	J.AtM.Terr.Phys.	31	873-875	Low latitude sporadic E associated with geomagnetic activity.	EQn,Oim
168	Gassmann G.J. Wagner R.A.	1969	J.AtM.Terr.Phys.	31	781-792	North-south cross-sections of the equatorial electrojet in the Pacific and the effect of a solar eclipse.	EQjn,Oim

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
169	Kato S. Matsushita S.	1969	J.Atmos.Terr.Phys.	31	193-196	Discussion on theories of movement of ionospheric irregularities.	EQi,T
170	Matsushita S.	1969	Radio Sci.	4	771-780	Dynamo currents, winds and electric fields.	EQj ?*
171	Prakash S. Gupta S.P. Subbaraya B.H.	1969	Radio Sci.	4	791-796	Irregularities in the equatorial E <sub>1</sub> region over Thumba.	EQi,Oc
172	Prakash S. Subbaraya B.H. Gupta S.P.	1969	Space Res.	9	237-244	A study of the lower ionosphere over the geomagnetic equator Thumba using a Langmuir probe and plasma noise probe.	EQn,Oc ?*
173	Raja Rao K.S.	1969	J.Atmos.Terr.Phys.	31	299-306	On the Dst field in the equatorial electrojet region.	EQj,Om
174	Skadron G. Weinstock J.	1969	J.Geophys.Res.	74	5113-5126	Nonlinear stabilization of a two-stream plasma instability in the ionosphere.	EQi,T
175	Stening R.J.	1969	Plan.Space Sci.	17	889-908	An assessment of the contributions of various tidal winds to the Sq current system.	EQjw ?*
176	Sugiura M. Poros D.J.	1969	J.Geophys.Res.	74	4025-4034	An improved model equatorial electrojet with a meridional current system.	EQj,Tm
177	Tarpley J.D.	1969	Univ.Colorado	PhD. Th.		The ionospheric wind dynamo.	EQj,R ?*
178	Woodman R.F. Hagfors T.	1969	J.Geophys.Res.	74	1205-1212	Methods for the measurement of vertical ionospheric motions near the magnetic equator by incoherent scattering.	EQe,Ort
179	Balsley B.B.	1970	J.Geophys.Res.	75	4369-4371	Equatorial electrojet: Seasonal variation of the reversal times.	EQe,jc,Or
180	Balsley B.B.	1970	J.Geophys.Res.	75	4291-4297	A longitudinal variation of electron drift velocity in the equatorial electrojet.	EQje,Ord
181	Balsley B.B.	1970	Plasma Phys.	12	817-819	Unidentified plasma irregularities in the equatorial electrojet.	EQi
182	Balsley B.B.	1970	Symposium	12		Equatorial E-region electric fields: Experimental determination of diurnal characteristics and seasonal variations. [ESSA Tech. Memo. Proc. Upper. Atm. Curr. Elect. Field]	EQie,Or *
183	Bandyopadhyay P.	1970	Plan.Space Sci.	18	129-135	Measurements of total electron content at Huancayo, Peru.	EQn,Qi
184	Burrows K.	1970	J.Geophys.Res.	75	1319-1323	The day to day variability of the equatorial electrojet in Peru.	EQj,Om
185	Closs R.L.	1970	J.Geophys.Res.	75	2611-2612	Redistribution of ionization by the meridional currents associated with the equatorial electrojet.	EQj,T
186	Closs R.L.	1970	J.Atmos.Terr.Phys.	32	265-276	Blanketing type sporadic-E associated with the equatorial electrojet.	EQn,Oim
187	Geller M.	1970	J.Atmos.Sci.	27	202-218	An investigation of the lunar semidiurnal tide in the atmosphere.	EQw ?*
188	Gupta J.C.	1970	J.Atmos.Terr.Phys.	32	1159-1164	Daily variability of the equatorial electrojet current system.	EQj,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
189	Hutton R. Oyinloye J.O.	1970	Ann.Geophys.	26	921-926	The counter-electrojet in Nigeria.	EQj,Om ?*
190	Joshi B.K. Kotadia K.M.	1970	J.AtM.Terr.Phys.	32	1057-1066	Lunar tidal variations in the equatorial sporadic-E layer.	EQnc,Omi
191	Kenesha T.J. Narcisi R.S. Swider W.	1970	J.Geophys.Res.	75	845-854	Diurnal model of the E-region.	EQ,Tm
192	Matsushita S. Tarpley J.D.	1970	J.Geophys.Res.	75	5433-5443	Effects of the dynamo region electric fields on the magnetosphere.	EQj,Tm
193	Prakash S. Gupta S.P. Subbaraya B.H.	1970	Plan.Space Sci.	18	1307-1318	Nighttime equatorial E-region irregularities.	EQi,Oc ?*
194	Rastogi R.G. Trivedi N.B.	1970	Plan.Space Sci.	18	367-377	Lunar and solar tides in H stations within the Equatorial Electrojet.	EQj,Om ?*
195	Rogister A. D'Angelo N.	1970	J.Geophys.Res.	75	3879-3887	Type II irregularities in the equatorial electrojet.	EQi,T
196	Sastry T.S.G.	1970	Space.Res.	10	778-785	Diurnal change in parameters of the equatorial electrojet as observed by rocket borne magnetometers.	EQj,Ocm ?*
197	Shuman B.M.	1970	J.Geophys.Res.	75	3889-3901	Rocket measurement of the equatorial electrojet.	EQj,Oc
198	Tarpley J.D.	1970	Plan.Space Sci.	18	1091-1103	The ionospheric wind dynamo. II. Solar tides.	EQj ?*
199	Weinstock J.	1970	Phys.Fluids	13	2308-2316	Turbulent plasmas in a magnetic field.- A statistical theory.	EQi,T
200	Williams R.H. Weinstock J.	1970	J.Geophys.Res.	75	7217-7228	Strong turbulence of ionospheric cross field instability.	EQi,T
201	Woodman R.F.	1970	J.Geophys.Res.	75	6249-6259	Vertical drifts velocities and east-west electric fields at the magnetic equator.	EQe,Ord
202	Akinrimisi J.	1971	Cornell Univ.	PhD. Th.		Theory of ionospheric irregularities in the equatorial electrojet plasma.	EQi,T ?*
203	Balsley B.B. Farley D.T.	1971	J.Geophys.Res.	76	8341-8351	Radar studies of the equatorial electrojet at three frequencies.	EQi,Or
204	Balsley B.B. Woodman R.F.	1971	UAG Rep.17	A	1-44	Ionospheric drift velocity measurements at Jicaramarca, Peru. [UAG Rep.17, World Data Center A]	EQi,Ord
205	Chandra H. Misra R.K. Rastogi R.G.	1971	Plan.Space Sci.	19	1497-1503	Equatorial ionospheric drift and the electrojet.	EQej,Omd
206	Fambitakoye O.	1971	C.R.Ac.Sc.Paris	272B	637-640	Variabilité jour à jour de la variation journalière régulière du champ magnétique terrestre dans la région de l'Electrojet Equatorial.	EQj,Om *
207	Farley D.T.	1971	Book	New York		Radio wave scattering from the ionosphere. [Book: "Methods of Experimental Physics", v.9B, Chap.14, Lovberg R. & Greim H. editors, Academic Press]	EQi,Or,R

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
208	Kamenetskaya G.Kh.	1971	Geomag.Aeronom.	11	71-75	Quasi linear theory of the formation of inhomogeneities in the equatorial electrojet.	EQi,T
209	Lee K. Kennel C.F. Kindel J.M.	1971	Radio Sci.	6	209-213	High frequency Hall current instability.	EQi,T
210	Misra R.K. Chandra H. Rastogi R.G.	1971	J.Geomag.Geoelect.	23	181-186	Solar cycle effects in the electron drifts over the magnetic equator.	EQjn,Omi
211	Prakash S. Gupta S.P. Subbaraya B.H.	1971	Space Res.	11	1139-1145	Experimental evidence for cross-field instability in the equatorial ionosphere.	EQi,Oc
212	Prakash S. Gupta S.P. Subbaraya B.H. Jain C.L.	1971	Nat.Phys.Sci.	233	56-58	Electrostatic plasma instabilities in the equatorial electrojet.	EQi,Oc
213	Prakash S. Gupta S.P. Subbaraya B.H.	1971	Nat.Phys.Sci.	230	170-171	Cross field instability and ionisation irregularities in the equatorial E-region.	EQin,Oc
214	Prakash S. Subbaraya B.H. Gupta S.P.	1971	J.Atmos.Terr.Phys.	33	129-135	Investigation of the day time lower ionosphere over the equator using Langmuir probe and plasma noise probe.	EQn,Oc
215	Rastogi R.G. Chandra H. Chakravarty S.C.	1971	Pr.Ind.Ac.Sci.	74	62-67	The disappearance of equatorial Es and the reversal of electrojet current.	EQjn,Oi
216	Rastogi R.G. Chandra H. Misra R.K.	1971	Nat.Phys.Sci.	233	13-15	Effect of magnetic activity on electron drifts in equatorial electrojet region.	EQjn,Omi
217	Rogister A.	1971	J.Geophys.Res.	76	7754-7760	Nonlinear theory of type I irregularities in the equatorial electrojet.	EQi,T
218	Sastry T.S.G.	1971	G.B.Geophysik	80	253-	Night time ionospheric currents in the region of the equatorial electrojet.	EQj ?*
219	Sato T.	1971	Phys.Fluids	14	2426-2435	Nonlinear theory of the cross-field instability: explosive mode coupling.	EQi,T *
220	Subbaraya B.H. Prakash S. Gupta S.P.	1971	Indian J.Pure Appl. Phys.	9	626-630	Nighttime E-region at Thumba.	EQn,Ot
221	Whitehead J.D.	1971	J.Geophys.Res.	76	3116-3126	The equatorial electrojet and the gradient instability.	EQji,T
222	Balsley B.B. Ecklund W.L.	1972	J.Geophys.Res.	77	4746-4760	VHF power spectra of the radar aurora.	Pi,Or
223	Beer T. Moorcroft D.R.	1972	J.Atmos.Terr.Phys.	34	2025-2043	Atmospheric wave-induced instability in the nighttime E-region.	EQi,T
224	Chandra H. Rastogi R.G.	1972	Ann.Geophys.	28	581-588	Some characteristics of the ionospheric irregularities over the magnetic equator derived from spaced fading records.	EQi,Ori

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
225	Dolginov Sh.Sh.	1972	Geomag.Aeronom.	12	611-617	Equatorial electrojet, according to Kosmos-321 measurements.	EQj,Os
226	Geller M.	1972	J.Geophys.Res.	77	4896-4898	Comments on lunar variations in the peruvian electrojet.	EQejc,Omr
227	Gupta J.C. Malin S.R.C.	1972	Geo.J.R.Astr.Soc.	30	11-18	Seasonal variation in the solar and lunar daily geomagnetic variations.	EQ ?*
228	Kaw P.K.	1972	J.Geophys.Res.	77	1323-1326	Wave propagation effects on observation of irregularities in the equatorial electrojet.	EQi,T
229	Krishna Murthy B.V Gupta K.S.	1972	Plan.Space Sci.	20	371-	Disappearance of equatorial E associated with magnetic field depressions.	EQ ?*
230	Lee K. Kaw P.K. Kennel C.F.	1972	J.Geophys.Res.	77	4197-4208	External production and control of electrojet irregularities.	EQi,T
231	Onwumechili C.A. Akasofu S.I.	1972	J.Geomag.Geoel.	24	161-173	On the abnormal depression of Sq(H) under the Equatorial Electrojet in the afternoon.	EQj,Om *
232	Park D.	1972	J.Geophys.Res.	77	6278-6279	Magnetic field of the equatorial electrojet.	EQj,T
233	Prakash S. Subbaraya B.H. Gupta S.P.	1972	Indian J.Radio 1 Space Phys.	1	72-80	Rocket measurements of ionization irregularities in the equatorial ionosphere at Thumba and identification of plasma irregularities.	EQi,Oc
234	Prakash S. Subbaraya B.H. Gupta S.P.19	1972	Aeronomy Rep.	48	359-	Electron density profiles in the equatorial lower ionosphere at Thumba.	EQn,Oc *
235	Prakash S. Gupta S.P. Subbaraya B.H. Jain C.L.	1972	Nature	233	58-	Electrostatic plasma instabilities in the equatorial electrojet.	EQ ?*
236	Rastogi R.G.	1972	J.Geomag.Geoel.	24	429-440	Equatorial sporadic E layer during geomagnetic storms.	EQn,Oim
237	Rastogi R.G.	1972	Pr.Indian Ac.Sci.	56	181-194	Equatorial sporadic E and cross-field instability.	EQni,Oim
238	Rastogi R.G. Chandra H. Sharma R.P. Girija Rajaram	1972	Indian J.Radio 1 Space Phys.	1	119-135	Ground-based measurements of ionospheric phenomena associated with the equatorial electrojet.	EQjnc,Oimd
239	Rastogi R.G.	1972	Ann.Geophys.	28	717-728	Sudden disappearance of Esq and the reversal of the equatorial electric fields.	EQn,Oim
240	Rastogi R.G.	1972	Nat.Phys.Sci.	237	73-75	Equatorial sporadic E and plasma instabilities.	EQni,Oic
241	Rastogi R.G. Chandra H. Misra R.K.	1972	Space Res.	12	983-992	Features of the ionospheric drift over the magnetic equator.	EQj,Omd
242	Rogister A. D'Angelo N.	1972	J.Geophys.Res.	77	6298-6299	On the origin of small-scale type II irregularities in the equatorial electrojet.	EQi,T
243	Rogister A.	1972	J.Geophys.Res.	77	2975-2981	Nonlinear theory of cross-field instability with applications to the equatorial electrojet.	EQi,T



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
244	Sato T.	1972	Phys.Rev.Lett.	28	732-734	Stabilization of the two-stream instability in the equatorial electrojet.	EQi,T *
245	Sen A. Kaw P.K.	1972	J.Geophys.Res.	77	6875-6880	Anomalous absorption of radio waves by electrojet irregularities.	EQi,T
246	Sleeper A.M. Weinstock J.	1972	Phys.Fluids	15	1507-1514	Nonlinear theory of density fluctuations in turbulent plasmas.	EQi,T
247	Srivastava S.K. Pradhan S.M. Tantry B.A.	1972	J.Attn.Terr.Phys.	34	1991-1998	Focussing of radio waves from Es irregularities.	EQin,Oi
248	Subbaraya B.H. Muralikrishna P. Sastry T.S.G. Prakash S.	1972	Plan.Space Sci.	20	47-52	A study of the structure of electrical conductivities and the electrostatic field within the equatorial electrojet.	EQjn,Omc
249	Tarpley J.D. Balsley B.B.	1972	J.Geophys.Res.	77	1951-1960	Lunar variations in the peruvian electrojet.	EQejc,Orm
250	Vincent R.A.	1972	J.Attn.Terr.Phys.	34	1881-1898	Ionospheric irregularities in the E-region.	Pin,Oi
251	Walker G.O. Ma J.H.K.	1972	J.Attn.Terr.Phys.	34	1419-1424	Influence of solar flux and the equatorial electrojet on the diurnal development of the latitude distribution of total electron content in the equatorial anomaly.	EQjc,Os
252	Weinstock J. Sleeper A.M.	1972	J.Geophys.Res.	77	3621-3624	Nonlinear saturation of type I irregularities in the equatorial electrojet.	EQi,T *
253	Woodman R.F.	1972	Space Res.	12	969-974	East-west ionospheric drifts at the magnetic equator.	EQe,Ord
254	Aikin A.C. Goldberg R.A.	1973	J.Geophys.Res.	78	734-745	Metallic ions in the equatorial ionosphere.	EQj,Oc
255	Balsley B.B. Farley D.T.	1973	J.Geophys.Res.	78	7471-7479	Radar observations of two-dimensional turbulence in the equatorial electrojet.	EQi,Or
256	Balsley B.B.	1973	J.Attn.Terr.Phys.	35	1035-1044	Electric fields in the equatorial ionosphere: A review of techniques and measurements.	EQe,Ot,R
257	Balsley B.B. Ecklund W.L. Carter D.A.	1973	Solar Eclipse	Bull.5		Equatorial electrojet observations. [National Science Foundation, Washington D.C.]	EQi,Or *
258	Burrows K. Rogers A.J.	1973	J.Attn.Terr.Phys.	35	1709-1713	A test of the wind shear theory of sporadic E formation.	EQw,Oc
259	Cain J.C. Sweeney R.E.	1973	J.Attn.Terr.Phys.	35	1231-1247	The POGO data.	EQj,Os,T
260	Campbell W.H.	1973	J.Attn.Terr.Phys.	35	1127-1146	The field levels near midnight at low and equatorial geomagnetic stations.	EQj,Om
261	Chandra H. Rastogi R.G.	1973	J.Geophys.Res.	78	3007-3012	Some characteristics of the ionospheric irregularities associated with Esq layers.	EQi,Omri
262	Cohen R.	1973	J.Geophys.Res.	78	2222-2231	Phase velocities of irregularities in the equatorial electrojet.	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
263	Fambitakoye O. Rastogi R.G. Tabbagh J. Vila P.	1973	J.AtM.Terr.Phys.	35	1119-1126	Counter electrojet and Esq disappearance.	EQj,Omi
264	Fambitakoye O. Mayaud P.N.	1973	Ann.Geophys.	29	168-169	Remarques sur les effets externes et internes à Huancayo.	EQj,Om *
265	Farley D.T. Balsley B.B.	1973	J.Geophys.Res.	78	227-239	Instabilities in the equatorial electrojet.	EQi,Or,R
266	Gouin P.	1973	J.AtM.Terr.Phys.	35	1257-1264	Correlation of satellite estimates of the equatorial electrojet intensity with ground observations at Addis Ababa.	EQj,Osm
267	Gupta J.C.	1973	Pu.App.Geophys.	110	2076-2084	Movement of the Sq foci in 1958.	EQn *
268	Gupta J.C.	1973	Ann.Geophys.	29	49-60	On solar and lunar Equatorial Electrojets.	EQ ?*
269	Gupta K.S. Krishna Murthy B.V	1973	Plan.Space Sci.	21	2227-	Effects of E region electric fields on F region parameters at the magnetic equator.	EQec ?*
270	Kane R.P.	1973	J.AtM.Terr.Phys.	35	1249-1252	Comparison of geomagnetic changes in India and the POGO Data.	EQj,Os
271	Kane R.P.	1973	J.AtM.Terr.Phys.	35	1565-1567	An estimate of the equatorial electrojet strength.	EQj,Om
272	Kato S.	1973	J.Geophys.Res.	78	757-762	Electric field and wind motion at the magnetic equator.	EQe,Oc
273	Kato S.	1973	J.AtM.Terr.Phys.	35	1073-1082	Movements of irregularities in the equatorial E-region. - A review.	EQew,Oc,R
274	Krishna Murthy B.V Gupta K.S.	1973	Symposium	Konstanz	391-	Cross-field instability as a mechanism for equatorial E Region irregularities. [Proc.Symp.Methods of measurements and results of lower ionosphere, XVI COSPAR, FRG]	EQi ?*
275	Krylov A.L. Soboleva T.N. Fishchuk D.I. Tsedilina Y.E. Shcherbakov V.P.	1973	Geomag.Aeronom.	13	400-404	Structure of the Equatorial Electrojet.	EQ,R ?*
276	Lee K. Kerrel C.F.	1973	J.Geophys.Res.	78	4619-4629	Convective amplification of type I irregularities in the equatorial electrojet.	EQi,T
277	Lee K. Kerrel C.F.	1973	Plan.Space Sci.	21	1339-	Effects of propagation parallel to the magnetic field on the type I electrojet irregularity instability.	EQi,T *
278	Marriott R.T. Schildge J.P. Venkateswaran S.V. Cain J.C.	1973	Symposium	Kyoto	41-53	The quiet-time equatorial counter electrojet. [S.L.L.Sat.S.]	EQj,Os
279	Matsushita S.	1973	J.AtM.Terr.Phys.	35	1027-1034	Solar and lunar tidal effects on the low latitude ionosphere - A review.	EQewc,R
280	Oni E.	1973	J.AtM.Terr.Phys.	35	1267-1271	On the correlation of the ground Data at Ibadan with POGO satellite results.	EQj,Os

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
281	Onwumechilli C.A. Kawasaki A.K. Akasofu S.I.19	1973	Plan.Space Sci.	21	1-16	Relationship between the equatorial electrojet and polar magnetic variations.	EQjc,Om
282	Osborne D.G.	1973	J.AtM.Terr.Phys.	35	1273-1279	Electrojet measurements from satellite and ground.	EQj,Osm
283	Prakash S. Gupta S.P. Subbaraya B.H. Sinha H.S.S. Jain C.L.	1973	Phys.Res.Lab.Rep	Ahmeda- bad		A review of the in situ measurements of the E-region irregularities.	EQi,Oc
284	Rastogi R.G.	1973	Plan.Space Sci.	21	1355-1365	Counter equatorial electrojet currents in the Indian zone.	EQjc,Om
285	Rastogi R.G.	1973	Plan.Space Sci.	21	197-203	Esq-layer at Huancayo during the march 1970 geomagnetic storm.	EQnw,Oi
286	Rastogi R.G.	1973	J.AtM.Terr.Phys.	35	367-371	Equatorial sporadic E and the electric field.	EQe,Orm
287	Reddy C.A. Devasia C.V.	1973	Plan.Space Sci.	21	811-	Formation of blanketing sporadic E-layers at the magnetic equator due to horizontal wind shears.	EQn,Oi ?*
288	Richmond A.D.	1973	J.AtM.Terr.Phys.	35	1083-1103	Equatorial electrojet. I- Development of a model including winds and instabilities.	EQj,Tm,R
289	Richmond A.D.	1973	J.AtM.Terr.Phys.	35	1105-1118	Equatorial electrojet. II- Use of the model to study the equatorial ionosphere.	EQj,Tm,Om
290	Rognlien T.D. Weinstock J.	1973	J.Geophys.Res.	78	6808-6810	Nonlinear saturation of the gradient drift instability in the equatorial electrojet.	EQi,T
291	Roquet J.	1973	J.AtM.Terr.Phys.	35	1159-1170	Etude des variations geomagnetiques UBF en liaison avec l'electrojet equatorial (Campagne magnetique Tchad - Republique Centrafricaine).	EQj,Om
292	Rush C.M. Richmond A.D.	1973	J.AtM.Terr.Phys.	35	1171-1180	The relationship between the structure of the equatorial anomaly and the strength of the equatorial electrojet.	EQnj,Omi
293	Sastry T.S.G.	1973	J.Geophys.Res.	78	1962-	Daily variation of geomagnetic field at the indian Stations under the electrojet during the period of the July 1966 proton flare.	EQj ?*
294	Sato T.	1973	J.Geophys.Res.	78	2232-2243	Unified theory of type I and II irregularities in the equatorial electrojet.	EQi,T
295	Schildge J.P. Venkateswaran S.V.	1973	J.AtM.Terr.Phys.	35	1045-1061	The ionospheric dynamo and equatorial magnetic variations.	EQjw,Ts
296	Richmond A.D. Schmidt M.J. Gary S.P.	1973	J.Geophys.Res.	78	8261-8265	Density gradients and the Farley-Buneman instability.	Pi,T
297	Stening R.J.	1973	Plan.Space Sci.	21	1897-1910	The electrostatic field in the ionosphere.	EQe ?*
298	Sudan R.N. Akinrimisi J. Farley D.T.	1973	J.Geophys.Res.	78	240-248	Generation of small-scale irregularities in the equatorial electrojet.	EQi,T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
299	Tarpley J.D.	1973	J.AtM.Terr.Phys.	35	1063-1071	Seasonal movement of the Sq current loci and related effects in the equatorial electrojet.	EQjc,Om
300	Weinstock J.	1973	J.Geophys.Res.	78	772-773	An indirect method for measuring equatorial electrojet currents and its relation to nonlinear saturation of type I instabilities.	EQi,T
301	Yacob A. Bhargava B.N.	1973	J.AtM.Terr.Phys.	35	1253-1255	The electrojet field from satellite and surface observations in the Indian equatorial region.	EQj,Osm
302	Bowhill S.A. Walton E.K. Rastogi P.K.	1974	Stanford.Res.l.	Califor- nia	1-104	An electrodynamic model of the equatorial ionosphere.	EQe,Tm
303	Cohen R. Hooke W.H.	1974	J.Geophys.Res.	79		Neutral winds in the equatorial electrojet.	EQew,Or *
304	D'Angelo N. Pecseli H.L. Petersen P.I.	1974	J.Geophys.Res.	79	4747-4751	The Farley Instability: A laboratory test.	EQi,OI
305	Farley D.T.	1974	Rev. Geophys.	12	285-289	Irregularities in the equatorial ionosphere: the Berkner-Symposium.	EQi ?*
306	Fejer B.G.	1974	Cornell Univ.	PhD. Th.		Radar studies of small-scale plasma irregularities in the equatorial electrojet.	EQi,Or,T
307	Goldberg R.A. Aikin A.C. Krishna Murthy B.V	1974	J.Geophys.Res.	79	2473-2477	Ion composition and drift observations in the nighttime equatorial ionosphere.	EQn,Oc
308	Goldberg R.A.	1974	J.Geophys.Res.	79	5299-5303	Rocket observation of soft energetic particles at the magnetic equator.	EQn,Oc
309	Kaw P.K. Chaturnevi P.K. Ivanov A.A.	1974	J.Geophys.Res.	79	3802-3806	Electromagnetic effects on instabilities in the equatorial electrojet.	EQi,T *
310	Lee K. Kennel C.F. Coroniti F.V.	1974	J.Geophys.Res.	79	249-266	On the marginally stable saturation spectrum of unstable type I equatorial electrojet irregularities.	EQi,T :
311	Mayaud P.N.	1974	J.AtM.Terr.Phys.	36	1367-1376	About the effects induced by the daily variation due to the equatorial electrojet.	EQjc,Oms
312	McDonald B.E. Coffey T.P. Ossakov S.L. Sudan R.N.	1974	J.Geophys.Res.	79	2551-2554	Preliminary report of numerical simulation of type II irregularities in the equatorial electrojet.	EQi,Ts
313	Ott E. Farley D.T.	1974	J.Geophys.Res.	79	2469-2472	The k spectrum of ionospheric irregularities.	EQi,T
314	Prakash S. Jain C.L. Balsley B.B. Greenwald R.A.	1974	J.Geophys.Res.	79	4334-4339	Evidence of two types of electron density irregularities in the electrojet over Thumba,India.	EQi,Or *
315	Rastogi R.G.	1974	Pr.Indian Ac.Sci.	80	257-267	Some remarks on the equatorial sporadic E layer at Kodaikanal.	EQn,Oi

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
316	Rastogi R.G.	1974	J.Geophys.Res.	79	1503-1512	Westward equatorial electrojet during daytime hours.	EQj,Omi
317	Rastogi R.G.	1974	J.Atmos.Terr.Phys.	36	167-170	Lunar effects in the counter electrojet near the magnetic equator.	EQjc,Om
318	Reddy C.A.	1974	Space Res.	16	721-	Effects of neutral wind variations on the plasma instabilities in the equatorial electrojet.	EQi ?*
319	Rognlien T.D. Weinstock J.	1974	J.Geophys.Res.	79	4733-4746	Theory of the nonlinear spectrum of the gradient drift instability in the equatorial electrojet.	EQi,T
320	Sampath S. Sastry T.S.G. Oyama K. Hirao K.	1974	Space Res.	14	253-	Joule heating due to the equatorial electrojet as observed by rocketborne probes.	EQ,Oc ?*
321	Schildge J.P.	1974	Univ.California	PhD. Th.		Quiet time currents and electric fields produced by the ionospheric dynamo.	EQj,Om,T *
322	Subbaraya B.H. Prakash S. Gupta S.P.	1974	Plan.Space Sci.	22	180-	Electron temperature in the equatorial electrojet region.	EQ ?*
323	Thiruvengadathan A.	1974	Indian J.Met.Geo.	5	267-271	Diurnal variation of horizontal magnetic force at Kodaikanal.	EQ *
324	Broche P. Crochet M.	1975	J.Atmos.Terr.Phys.	37	1371-1374	Generation of atmospheric gravity waves by the 30 June 1973 solar eclipse in Africa.	P,Oi
325	Carter D.A. Balsley B.B. Ecklund W.L.19	1975	NOAA Res Lab	Colorado		VHF Doppler Radar observations of the african equatorial electrojet.	EQi,Or
326	Chandra H. Rastogi R.G.	1975	J.Geophys.Res.	80	149-153	Blanketing sporadic E layer near the magnetic equator.	EQn,Oi *
327	D'Angelo N. Pecseli H.L. Petersen P.I.	1975	J.Geophys.Res.	80	1854-1855	The k spectrum of ionospheric irregularities.	EQi,OI
328	Farley D.T. Fejer B.G.	1975	J.Geophys.Res.	80	3087-3090	The effect of the gradient drift term on type 1 electrojet irregularities.	EQi,T
329	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1975	J.Geophys.Res.	80	1307-1312	Oblique VHF Radar spectral studies of the equatorial electrojet.	EQi,Or
330	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1975	J.Geophys.Res.	80	1313-1324	Vertical structure of the VHF backscattering region in the equatorial electrojet and the gradient drift instability.	EQi,Or
331	Gupta K.S. Krishna Murthy B.V	1975	J.Geomag.Geoel.	27	131-	On the sudden disappearance of equatorial sporadic E.	EQn,Oi ?*
332	John P.I. Saxena Y.C.	1975	Geophys.Res.Lett.	2	251-254	Observation of the Farley-Buneman instability in laboratory plasma.	EQi,OI

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
333	McDonald B.E. Coffey T.P. Ossakov S.L. Sudan R.N.	1975	Radio Sci.	10	247-254	Numerical studies of type 2 equatorial electrojet irregularity development.	EQi,Ts
334	Ossakov S.L. Papadopoulos K. Orens J. Coffey T.P.	1975	J.Geophys.Res.	80	141-148	Parallel propagation effects on the type 1 electrojet instability.	EQi,T
335	Rastogi R.G.	1975	Pr.Indian Ac.Sci.	81	80-92	On the simultaneous existence of eastward and westward flowing equatorial electrojet currents.	EQnj,Om
336	Rastogi R.G. Patel V.L.	1975	Pr.Indian Ac.Sci.	82	121-141	Effect of interplanetary magnetic field on ionosphere over the magnetic equator.	EQj,Om *
337	Rogister A. Jamin E.	1975	J.Geophys.Res.	80	1820-1828	Two-dimensional nonlinear processes associated with type 1 irregularities in the equatorial electrojet.	EQi,T
338	Rognlien T.D. Weinstock J.	1975	Radio Sci.	10	239-246	Theoretical properties of two-dimensional electrojet turbulence.	EQi,T
339	Sato T.	1975	J.Geophys.Res.	80	2835-2838	Neutral winds and electrojet irregularities.	EQiw,T
340	Valladares C. Woodman R.F.	1975	Conimera 3	Peru		Simulación digital-analógica por computadora de comunicaciones via Electrochorro Ecuatorial.	EQi,Ts
341	Weinstock J. Rognlien T.D.	1975	Radio Sci.	10	231-237	Nonlinear saturation and angular rotation of instabilities in the E layer.	EQi,T
342	Anandarao B.G.	1976	Geophys.Res.Lett.	3	545-548	Effects of gravity wave winds and wind shears on the equatorial electrojet.	EQw,O ?*
343	Balsley B.B. Rey A. Woodman R.F.	1976	J.Geophys.Res.	81	1391-1396	On the plasma instability mechanisms responsible for Esq.	EQin,O ?
344	Balsley B.B. Carter D.A. Woodman R.F.	1976	J.Geophys.Res.	81	1296-1300	Vertical ionization drifts in the lower equatorial ionosphere and the meridional current systems.	EQi,Ord
345	Balsley B.B. Fejer B.G. Farley D.T.	1976	J.Geophys.Res.	81	1457-1459	Radar measurements of neutral winds and temperatures in the equatorial E-region.	EQw,Or *
346	Burrows K. Sastry T.S.G.	1976	J.Attn.Terr.Phys.	38	307-311	Rocket measurements of current distribution in a normal and an intense equatorial electrojet.	EQj,Oc
347	Carter D.A. Balsley B.B. Ecklund W.L.	1976	J.Geophys.Res.	81	2786-	VHF Doppler radar observations of the african equatorial electrojet.	EQi,Or
348	Crochet M. Poman C. Hanuise C.	1976	Geophys.Res.Lett.	3	673-676	Radar profiles of the equatorial electrojet.	EQn,Or ?*
349	Devasia C.V.	1976	Indian J. Radio Space Phys.	5	217-220	Blanketing Sporadic-E Characteristics at the Equatorial Stations - Trivandrum & Kodaikanal.	EQn,Oi

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
350	Fambitakoye O. Mayaud P.N. Richmond A.D.	1976	J.AtM.Terr.Phys.	38	113-121	Equatorial electrojet and regular daily variation Sr.- III. Comparison of observations with a physical model.	EQj,Om,T
351	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	19-26	Equatorial electrojet and regular daily variation Sr.- II. The centre of the equatorial electrojet.	EQj,Om
352	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	1-17	Equatorial electrojet and regular daily variation Sr.- I. A determination of the equatorial electrojet parameters.	EQj,Om
353	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	123-134	Equatorial electrojet and regular daily variation Sr.- IV. Special features in particular days.	EQj,Om
354	Fambitakoye O.	1976	Geophysique	14, ORST		Etude des effets magnetiques de l'electrojet equatorial. [ORST]	EQj,Om,T
355	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1976	J.Geophys.Res.	81	130-134	Radar observations of two-dimensional turbulence in the equatorial electrojet, 2.	EQi,Or
356	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1976	J.Geophys.Res.	81	4621-4626	Radar studies of anomalous velocity reversals in the equatorial ionosphere.	EQe,Or
357	Forbes J.M. Lindzen R.S.	1976	J.AtM.Terr.Phys.	38	897-910	Atmospheric solar tides and their electrodynamic effects.- I. The global Sq current system.	Pjw,T
358	Forbes J.M. Lindzen R.S.	1976	J.AtM.Terr.Phys.	38	911-920	Atmospheric solar tides and their electrodynamic effects.- II. The equatorial electrojet.	EQjw,T
359	Gagnepain J. Crochet M. Richmond A.D.	1976	J.AtM.Terr.Phys.	38	279-286	Theory of longitudinal gradients in the equatorial electrojet.	EQej,T
360	Hudson M.K. Balsley B.B.	1976	J.Geophys.Res.	81	5557-5561	Partial reflections from equatorial E region gradients.	EQne,Or
361	Jamin E. Kennel C.F.	1976	J.Geophys.Res.	81	4612-	Effects of parallel propagation on equatorial electrojet irregularities.	EQi,Or ?*
362	Kane R.P.	1976	Indian J. Radio Space Phys.	5	6-12	Dilemma of the equatorial counter-electrojet and the disappearance of Esq.	EQj,Om
363	Oyinloye J.O. Akinrimisi J.	1976	J.AtM.Terr.Phys.	38	149-154	Sporadic E velocity measurement - interpretation and application to ionospheric E-region electric field determination.	EQen,Oi
364	Prakash S. Gupta S.P. Sinha H.S.S. Rao T.R.	1976	Space Res.	16	401-405	Ionisation irregularities in the E-region during counter electrojet.	EQ ?*
365	Prakash S. Muralikrishna P.	1976	Geophys.Res.Lett.	3	445-447	The nature of electric field in E-region close to morning and evening reversals.	EQ ?*
366	Rastogi R.G.	1976	Ann.Geophys.	32	203-214	VHF backscattering from ionospheric E region irregularities near the magnetic equator.	EQin,Ori

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
367	Rastogi R.G. Iyer K.N.	1976	J.Geomag.Geoelect.	28	461-479	Quiet day variation of geomagnetic H-field at low latitudes.	EQj,Om ?*
368	Reddy C.A. Devasia C.V.	1976	Nature	261	396-397	Short period fluctuations of the equatorial electrojet.	EQi,Or
369	Reddy C.A. Somayajulu V.V.	1976	Symposium	Townsville		Bay type disturbances in the equatorial electrojet. [Proc. Symp. Equatorial Aeronomy, Australia]	EQ ?*
370	Rees D. Bhavsar P.D. Desai J.N. Gupta S.P. Farmer A.D. Rounce P.	1976	Space Res.	16	407-412	Preliminary report. on the Commonwealth collaborative rocket program from Thumba equatorial rocket launching for the investigation of atmospheric and ionospheric processes.	EQn,Oc
371	Richmond A.D. Matsushita S. Tarpley J.D.	1976	J.Geophys.Res.	81	547-	On the production mechanism of electric currents and fields in the ionosphere.	EQj,T ?*
372	Sato T. Ogawa T.	1976	J.Geophys.Res.	81	3248-	Self-consistent studies of two-dimensional large scale (-100 m) electrojet irregularities.	EQi,T *
373	Sato T.	1976	J.Geophys.Res.	81	539-	On mechanisms governing the electrojet plasma instabilities.	EQi,T *
374	Agarwal A.K. Rastogi R.G. Nityananda N. Singh B.P.	1977	Phys.Res.Lab.R.	Ahmedabad	53-67	Equatorial Electrojet of short-period Fluctuations. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQji,Om
375	Anandaroop B.G. Raghavarao R. Raghava Reddi C.	1977	J.Geophys.Res.	82	1510-1512	Electric fields by gravity wave winds in the equatorial ionosphere.	EQew,T
376	Balsley B.B.	1977	J.Atmos.Terr.Phys.	39	1087-1096	E-region dynamics.	EQei,Or,R
377	Basu Sa. Aarons J. Balsley B.B.	1977	J.Geophys.Res.	82	5262-5266	On the nature of the electrojet irregularities responsible for daytime VHF scintillations.	EQi,Or\$
378	Burrows K. Sastry T.S.G. Sampath S. Stolarik J.D. Usher M.J.	1977	J.Atmos.Terr.Phys.	39	125-128	The storm-time Equatorial Electrojet.	EQ ?*
379	Chakravarty S.C. Rao R.S.	1977	Phys.Res.Lab.R.	Ahmedabad	257-265	Possible Indian future studies on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,R
380	Chandra H.	1977	Phys.Res.Lab.R.	Ahmedabad	191-206	Ionospheric drift measurements with the spaced receiver technique at the Equatorial Electrojet latitudes. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQji,Od
381	Cole K.D.	1977	Phys.Res.Lab.R.	Ahmedabad	117-118	Some physical processes related to the equatorial electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,T



**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
382	Crochet M.	1977	J.AtM.Terr.Phys.	39	1103-1117	Radar studies of longitudinal differences in the equatorial electrojet: a review.	EQi,Or,R
383	Crochet M. Tabbagh J. Makiese N.	1977	J.AtM.Terr.Phys.	39	463-468	Simultaneous ionospheric drift observations by different techniques at low and mid-latitudes.	EQi,Or
384	Deshpande M.R.	1977	Phys.Res.Lab.R.	Ahmedabad	209-223	On the characteristics of equatorial irregularities and the ionospheric plasmaspheric electric content. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQin,Os\$
385	Ferch R.L. Sudan R.N.	1977	J.Geophys.Res.	82	2283-	Numerical simulations of type 2 gradient drift irregularities in the equatorial electrojet.	EQi,Ts *
386	Forbes J.M. Lindzen R.S.	1977	J.AtM.Terr.Phys.	39	1369-1377	Atmospheric solar tides and their electrodynamic effects. III. The polarisation Field.	EQw ?*
387	Gagnepain J. Crochet M. Richmond A.D.	1977	J.AtM.Terr.Phys.	39	1119-1124	Comparison of equatorial electrojet models.	EQn,Tm
388	Gupta S.P. Subbaraya B.H. Prakash S.	1977	Space Res.	17	399-402	Electron temperature in equatorial E-region during day and night.	EQ ?*
389	Gupta S.P. Prakash S. Subbaraya B.H.	1977	J.Geophys.Res.	43	681-	Spectral characteristics of cross field and two stream instability as revealed by rocket borne studies.	EQi,Oc ?*
390	Gupta S.P. Kist R.	1977	Phys.Res.Lab.R.	Ahmedabad	183-190	Study of plasma instabilities in a plasma chamber. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,OI
391	Hanuse C. Crochet M.	1977	J.AtM.Terr.Phys.	39	1097-1101	Multifrequency HF Radar studies of plasma instabilities in Africa.	EQi,Or *
392	Ierkic H.M. Fejer B.G. Farley D.T.	1977	Eos Trans.AGU	58	449-	Angular dependence of the scattering cross section of equatorial electrojet irregularities.	EQi,Or *
393	Kane R.P. Rastogi R.G.	1977	Indian J.Space Phys.	6	85-101	Some characteristics of the equatorial electrojet in Ethiopia.	EQ ?*
394	Kelley M.C. Swartz W.E. Tayan Y. Torbert R.	1977	J.AtM.Terr.Phys.	39	1263-1268	On the relationship between the plasma density profile measured in the equatorial E- and F-regions and simultaneous energetic particle and spread-F observations.	EQnc,OC
395	Krishna Murthy B.V	1977	Phys.Res.Lab.R.	Ahmedabad	145-155	Recent results of VHF backscatter radar experiment at Thumba. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,Or
396	Maeda K.	1977	J.AtM.Terr.Phys.	39	1041-1053	Conductivity and drifts in the ionosphere.	EQj,T
397	Matsushita S.	1977	J.AtM.Terr.Phys.	39	1207-1215	IMFP effects on the equatorial geomagnetic field and ionosphere - a review.	P,R *
398	Mayaud P.N.	1977	J.AtM.Terr.Phys.	39	1055-1070	The equatorial counter-electrojet - a review of its geomagnetic aspects.	EQj,Om,R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
399	Muralikrishna P.	1977	Phys.Res.Lab.R.	Ahmedabad	119-133	Radar studies of the Electrojet irregularities and the electric field structure. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQj,Omr
400	Narayanan V.	1977	Phys.Res.Lab.R.	Ahmedabad	109-115	Is the Equatorial Electrojet influencing the Indian Monsoon ? [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQnc,Oc
401	Onwumechilli C.A. Ezema P.O.	1977	J.Atmos.Terr.Phys.	39	1079-1086	On the course of geomagnetic daily variation in low latitudes.	EQj,O ?*
402	Prakash S. Rao T.R.	1977	Phys.Res.Lab.R.	Ahmedabad	167-173	E-Region electric fields during Counter Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQj,Om
403	Prakash S.	1977	Phys.Res.Lab.R.	Ahmedabad	177-182	Ionisation irregularities in the equatorial E-region, some outstanding problems. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,R
404	Raghava Reddi C. Krishna Murthy B.V. Krishna Moorthy K.	1977	Phys.Res.Lab.R.	Ahmedabad	225-226	Electrojet irregularities causing scintillations of satellite signals. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,O\$
405	Raghavarao R. Anandarao B.G.	1977	Phys.Res.Lab.R.	Ahmedabad	227-241	Effects of zonal and vertical winds on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQw,T
406	Rajaram Girija	1977	Phys.Res.Lab.R.	Ahmedabad	83-98	Geomagnetic storm effects on the low-latitude ionosphere. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjnc,Omi
407	Rastogi R.G.	1977	Indian J. Radio Space Phys.	6	102-109	Sporadic E at Huancayo during minimum sunspot years.	EQn,Oi
408	Reddy C.A. Devasia C.V.	1977	Phys.Res.Lab.R.	Ahmedabad	243-255	Effects of winds and waves on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQw,T
409	Reddy C.A.	1977	Phys.Res.Lab.R.	Ahmedabad	267-269	Future on Equatorial Electrojet and associated phenomena. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,R
410	Reddy C.A. Devasia C.V.	1977	J.Geophys.Res.	82	125-128	VHF Radar observations of gradient instabilities associated with blanketing Es layers in the equatorial electrojet.	EQin,Ori
411	Reddy C.A.	1977	J.Sci.Ind.Res.	36	580-589	The Equatorial Electrojet and the Associated Plasma Instabilities.	EQi,R
412	Sartiel J.	1977	Univ. Paris 6	Th.Doc.		Champs électriques dans la region de l'électrojet équatorial.	EQe ?*
413	Sastry T.S.G. Burrows K. Sampath S. Stolarik J.D. Usher M.J.	1977	Space Res.	17	409-410	Day to day variability of the Equatorial Electrojet as observed by rocket-borne magnetometers.	EQj,Oc *
414	Sato T.	1977	J.Geophys.Res.	82	5195-5200	Auroral and equatorial two-stream irregularities: difference in nonlinear state.	EQi,T

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
415	Sharma P. Raghavarao R.	1977	Phys.Res.Lab.R.	Ahmeda- bad	99-108	Equatorial Electrojet and the topside ionosphere. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjc,Os
416	Singh B.P.	1977	Phys.Res.Lab.R.	Ahmeda- bad	39-50	Surface structure and the Equatorial Electrojet. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjc,Om
417	Srivastava B.J.	1977	Phys.Res.Lab.R.	Ahmeda- bad	27-37	Anomalous geomagnetic variations at Electrojet Stations in India due to coastal and 'subsurface' causes. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjc,Om
418	Stening R.J.	1977	J.Atm.Terr.Phys.	39	157-164	Electron density profile changes associated with the equatorial electrojet.	EQjn,Omi
419	Stening R.J.	1977	J.Atm.Terr.Phys.	39	1071-1077	Magnetic variations at other latitudes during reverse equatorial electrojet.	EQj,Om
420	Subbaraya B.H.	1977	Phys.Res.Lab.R.	Ahmeda- bad	135-143	Models on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,Tm
421	Sudari R.N. Keskinen M.J.	1977	Phys.Rev.Lett.	38	966-	Theory of strongly turbulent two-dimensional convection of low pressure plasma.	EQi,T *
422	Tabbagh J. Carter D.A. Balsley B.B. Broche P. Crochet M.	1977	J.Atm.Terr.Phys.	39	1035-1039	Irregularity drift velocities in the equatorial electrojet observed by both the close-spaced antenna technique and the Doppler Radar method.	EQie,Or
423	Thakur N.K. Nityananda N. Singh B.P.	1977	Phys.Res.Lab.R.	Ahmeda- bad	69-79	Geomagnetic variations at Port Blair and associated anomalies. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQji,Om
424	Viswanathan K.S.	1977	Workshop	Ahmeda- bad		Backscatter Doppler spectral widths and signal fluctuation levels. [Proc. Workshop on equatorial electrojet and associated phenomena, Ahmedabad]	EQi,Or ?
425	Viswanathan K.S.	1977	Phys.Res.Lab.R.	Ahmeda- bad	157-163	Backscatter Doppler Spectral Widths and signal fluctuations levels. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,Or
426	Woodman R.F. Rastogi R.G. Calderon C.	1977	J.Geophys.Res.	82	5257-5261	Solar cycle effects on the electric fields in the equatorial ionosphere.	Pec,Ord
427	Anandarao B.G. Raghavarao R. Desai J.N. Haerendel G.	1978	J.Atm.Terr.Phys.	40	157-163	Vertical winds and turbulence over Thumba.	EQw ?
428	Broche P. Crochet M. Gagnepain J.	1978	J.Geophys.Res.	83	1145-1146	Neutral winds and phase velocity of the instabilities in the equatorial electrojet.	EQiw,T
429	Cohen R. Hooke W.H.	1978	J.Geophys.Res.	83	4791-4797	Neutral atmospheric motions manifested in Radar echo Doppler shifts from two-stream irregularities in the equatorial electrojet.	EQiw,Or,T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
430	Dupree T.H. Telrault D.J.	1978	Phys.Fluids	21	425-	Renormalized dielectric function for collisionless drift wave turbulence.	EQi,T ?*
431	Farley D.T. Fejer B.G. Balsley B.B.	1978	J.Geophys.Res.	83	5625-5632	Radar observations of two-dimensional turbulence in the equatorial electrojet: 3. Nighttime observations of type 1 waves.	EQi,Or
432	Galperin Yu.I. Ponomarev V.N. Zosimova A.G.	1978	J.Geophys.Res.	83	4265-4272	Equatorial ionospheric anomaly and interplanetary magnetic field.	Pe,Os
433	Hanuse C. Crochet M.	1978	J.Atm.Terr.Phys.	40	49-59	Oblique HF Radar studies of plasma instabilities in the equatorial electrojet in Africa.	EQi,Ori *
434	Jain A.R. Deshpande M.R. Sethia G. Rastogi R.G. Singh M. Gurm H.S. Janve A.V. Rai R.K.	1978	Indian J. Radio Space Phys.	7	254-261	Geomagnetic Storm Effects on Ionospheric Total Electron Content in Indian Zone - Part II : Evidence of Equatorial Electrojet Control through Fountain Effect.	EQn,Oi
435	Keskinen M.J.	1978	Cornell Univ.	PhD. Th.		Numerical simulation and theory of strong ionospheric gradient drift turbulence.	EQi,Ts ?*
436	Kikuchi T. Araki T. Maeda H. Maekawa K.	1978	Nature	273	650-	Transmission of ionospheric electric fields to the equator.	EQe,T ?*
437	Muralikrishna P. Prakash S.	1978	J.Geomag.Geoelect.	30	125-129	Height shift in radar echo from E-region around morning and evening reversals.	EQi,Or *
438	Rastogi R.G. Woodman R.F. Hedgcock P.C.	1978	J.Atm.Terr.Phys.	40	867-869	Correlated changes in the equatorial electrojet and in the interplanetary magnetic field during a geomagnetic storm.	EQjc,Omsr
439	Reddy C.A. Devasia C.V.	1978	Nature	273	195-199	Equivalent circuit analysis of neutral wind effects on equatorial electrojet.	EQw,Tm
440	Yamarenko L.N.	1978	Geomag.Aeronom.	18	770-771	Equivalent current systems of the Equatorial Electrojet.	EQj ?*
441	Anandarao B.G. Raghavarao R.	1979	Space Res.	19	283-286	Effects of vertical shears in the zonal winds on the electrojet.	EQw,O ?*
442	Anandarao B.G. Raghavarao R.	1979	Space Res.	19	263-266	Gravity waves and tidal winds in the equatorial thermosphere.	EQw,O ?*
443	Crochet M. Hanuse C. Broche P.	1979	J.Geophys.Res.	84	5223-5233	HF Radar studies of two-stream instability during an equatorial counter-electrojet.	EQi,Omr
444	Crochet M. Broche P. Hanuse C.	1979	Nature	277	203-204	High frequency radar observations of horizontal plasma waves in the equatorial ionosphere.	EQi,Ori *
445	Duhau S. Romanelli L.	1979	J.Geophys.Res.	84	1849-1854	Electromagnetic induction at the south american geomagnetic equator as determined from measured ionospheric currents.	EQj,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
446	Farley D.T.	1979	Book	Holland	272-298	The ionospheric plasma. [Book: "Solar System Plasma Physics", Chap.III.1.7, Kennel C.F., Lanzerotti L.J. & Parker E.N. editors]	EQi,R
447	Fejer B.G. Gonzales C.A. Farley D.T. Kelley M.C. Woodman R.F.	1979	J.Geophys.Res.	84	5797-5813	Equatorial electric fields during magnetically disturbed conditions. 1. The effect of the interplanetary magnetic field.	EQe,Omr
448	Fejer J.A.	1979	J.Atm.Terr.Phys.	41	895-915	Ionospheric instabilities and fine structure.	EQi,R
449	Forbes J.M. Garrett H.B.	1979	J.Geomag.Geoelect.	31	173-182	Solar tidal wind structures and the E-region Dynamo.	EQw ?*
450	Gonzales C.A.	1979	Cornell Univ.	PhD. Th.		Electric fields in the low latitude ionosphere and their relationship to magnetospheric and interplanetary phenomena.	?*
451	Gonzales C.A. Kelley M.C. Fejer B.G. Vickrey J.F. Woodman R.F.	1979	J.Geophys.Res.	84	5803-5812	Equatorial electric fields during magnetically disturbed conditions. 2. Implications of simultaneous auroral and equatorial measurements.	EQe,Omr
452	Greenwald R.A.	1979	J.Geophys.Res.	84	433-438	An alternative explanation of the Doppler spectra of current driven plasma instabilities.	EQi,T
453	Hanuse C. Crochet M.	1979	Book	Holland	149-159	Marginal plasma waves in the equatorial electrojet observed by HF coherent radar techniques.	EQi,Ori *
454	Hanuse C. Crochet M. Gouin P. Ghebrehirhan Oguba.	1979	Ann.Geophys.	35	201-202	Radar observation of the equatorial counter electrojet.	EQi,Or *
455	Kelley M.C. Baker K.D. Ulwick J.C.	1979	Eos Trans.AGU	60	335-	AC electric field measurements in the equatorial electrojet.	EQe,O ?*
456	Keskinen M.J. Sudan R.N. Ferch R.L.	1979	J.Geophys.Res.	84	1419-1430	Temporal and spatial power spectrum studies of numerical simulations of type II gradient drift irregularities in the equatorial electrojet.	EQi,Ts
457	Kikuchi T. Araki T.	1979	J.Atm.Terr.Phys.	41	927-936	Horizontal transmission of the polar electric field to the equator.	Pe,T
458	Newman A.L.	1979	Cornell Univ.	PhD. Th.		Nonlinear simulations of type I irregularities in the equatorial electrojet.	EQi,Ts
459	Prakash S. Pandey R.	1979	Pr.Indian Ac.Sci.	88A	229-245	Interaction of gravity waves with the ionospheric plasma and the production of electric fields and currents.	EQwe,Tm
460	Prakash S. Gupta S.P. Subbaraya B.H. Pandey R.	1979	Space Res.	19	279-282	Electric fields in the E-region during the counter electrojet.	EQj ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
461	Reddy C.A. Somayajulu V.V. Devasia C.V.	1979	J.AtM.Terr.Phys.	41	189-201	Global scale electrodynamic coupling of the auroral and equatorial dynamo regions.	EQjc,Omr
462	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1979	Nature	281	471-474	Ionospheric-magnetospheric contributions to storm-time magnetic field changes near dip equator.	EQji,Omr
463	Richmond A.D.	1979	J.Geophys.Res.	84	1880-1890	Large-amplitude gravity wave energy production and dissipation in the thermosphere.	Pw,Ts
464	Sampath S. Sastry T.S.G.	1979	J.Geomag.Geoelect.	31	391-	AC electric fields associated with the plasma instabilities in the equatorial electrojet.	EQi,O ?*
465	Singh M. Gurm H.S. Jain A.R.	1979	Indian J. Radio Space Phys.	8	44-46	Equatorial electrojet & total electron content anomaly.	EQn,Oim
466	Sudan R.N. Keskinen M.J.	1979	Phys.Fluids	22	2305-	Theory of strongly turbulent two-dimensional convection of low-pressure plasma.	EQi,T *
467	Volosevich A.V. Livshitz M.A. Liperovsky V.A.	1979	J.Physique	40, C7		Nonlinear decay interactions for the instability Buneman-Farley.	EQi,T *
468	Walton E.K. Bowhill S.A.	1979	J.AtM.Terr.Phys.	41	937-949	Seasonal variations in the low latitude dynamo current system near sunspot maximum.	EQe,Tm
469	Barone S.R.	1980	Phys.Fluids	23	491-	Nonlinear theory of type II irregularities in the equatorial electrojet.	EQi,T *
470	Blanc M. Richmond A.D.	1980	J.Geophys.Res.	85	1669-	The ionospheric disturbance dynamo.	EQj,T ?*
471	Fejer B.G. Farley D.T. Johnston P. Balsley B.B.	1980	J.Geophys.Res.	85	191-196	Type I Radar echoes from the equatorial electrojet with double-peaked Doppler spectra.	EQi,Or
472	Fejer B.G. Kelley M.C.	1980	Rev. Geophys. Space Phys.	18	401-454	Ionospheric irregularities.	EQi,R
473	Ierkic H.M. Fejer B.G. Farley D.T.	1980	Geophys.Res.Lett.	7	497-500	The dependence on zenith angle of the strength of 3-meter equatorial electrojet irregularities.	EQi,Or
474	Ierkic H.M.	1980	Cornell Univ.	PhD. Th.		Radar observations of the equatorial electrojet irregularities and theory of type I turbulence.	EQi,Or,T
475	Jain A.R.	1980	Indian J. Radio Space Phys.	9	35-39	Counter-Electrojet Associated Changes in the Equatorial Anomaly: Part I - Evidence of Reversal of Upward Drifts.	EQn,Oi
476	Jain A.R.	1980	Indian J. Radio Space Phys.	9	67-68	Counter-Electrojet Associated Changes in the Equatorial Anomaly : Part II - Jicamarca Radar Observations of Reversal of Upward Drift.	EQn,Oi
477	Kane R.P. Trivedi N.B.	1980	J.Geophys.Res.	85	4705-4710	Implication of Z variations during a near-noon equatorial counter-electrojet on March 6, 1967 in the Indian zone.	EQj,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
478	Kane R.P. Trivedi N.B.	1980	J.AtM.Terr.Phys.	42	303-305	Influence of northern and southern hemisphere Sq current systems on equatorial magnetic variations.	EQj ?*
479	Krishna Moorthy K. Krishna Murthy B.V Raghava Reddi C.	1980	Adv.Space Res.	8	205-208	Modelling of equatorial nighttime ionospheric scintillations. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	P,O\$
480	Onwumechilli C.A. Agu C.E.	1980	Plan.Space Sci.	28	1125-1130	General features of the magnetic field of the equatorial electrojet measured by POGO satellites.	EQj,Os *
481	Prakash S. Pandey R.	1980	Adv.Space Res.	8	51-54	Interaction of gravity waves with the ionospheric E-region plasma and the excitation of plasma instabilities. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQwi ?*
482	Prakash S. Gupta S.P. Subbaraya B.H. Pandey R.	1980	Adv.Space Res.	8	3-	A review of the electron density irregularities in the equatorial D- and E-region. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQni,R ?*
483	Prakash S. Pandey R.	1980	Adv.Space Res.	8		Formation of the electron density layers in the equatorial E-region. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQn ?*
484	Raghava Reddi C. Krishna Moorthy K. Krishna Murthy B.V	1980	Radio Sci.	15	1001-1007	Signal statistics of equatorial nighttime ionospheric scintillations.	P,O\$r
485	Raghavarao R. Anandarao B.G.	1980	Geophys.Res.Lett.	7	357-360	Vertical winds as a plausible cause for equatorial counter electrojet.	EQw ?*
486	Reddy C.A. Cherian P.J. Somayajulu V.V.	1980	Adv.Space Res.	8	21-24	Rocket measurements of electron densities in the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQn,Oc
487	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1980	Adv.Space Res.	8	29-32	The lunar phase and the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQji,Omr
488	Reddy C.A. Devasia C.V. Somayajulu V.V.	1980	Adv.Space Res.	8	39-42	Electrodynamic coupling of auroral and equatorial dynamo regions - II. Quiet days. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQji,c,Omr
489	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1980	Adv.Space Res.	8	47-50	Ionospheric and magnetospheric contributions to low latitude geomagnetic field variations during a magnetic storm. [COSPAR Symp.: Low Latitude Aeronomic. Process]	EQji,Omr
490	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1980	Adv.Space Res.	8	25-28	VHF Radar observations of possible gravity wave generated electric fields in the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQi,Or
491	Viswanathan K.S.	1980	Adv.Space Res.	8	33-36	Height structure of the equatorial electrojet as observed with the VHF backscatter radar. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
492	Walker G.O. Ma J.H.K. Rastogi R.G. Deshpande M.R. Chandra H.	1980	J.Atm.Terr.Phys.	42	629-635	Dissimilar forms of the ionospheric equatorial anomaly observed in east Asia and India.	EQj,Om
493	Agu C.E. Onwumechilli C.A.	1981	J.Atm.Terr.Phys.	43	809-816	Temporal variations of POGO Equatorial Electrojet parameters.	EQj,Os *
494	Crochet M. Hanuise C.	1981	J.Atm.Terr.Phys.	43	829-834	On a method of extended observations of the expectrum of plasma instabilities in the electrojet.	EQi,Or *
495	Crochet M.	1981	J.Atm.Terr.Phys.	43	579-588	Review of the equatorial electrojet instability in light of recent developments in HF Radar measurements.	EQi,Or,R *
496	Farley D.T. Ierkic H.M. Fejer B.G.	1981	J.Geophys.Res.	86	1569-1575	The absolute scattering cross section at 50 Mhz of equatorial electrojet irregularities.	EQi,Or
497	Farley D.T. Fejer B.G.	1981	J.Geophys.Res.	86	11467-11468	Reply to 'comment on "the absolute scattering cross section at 50 MHz of equatorial electrojet irregularities" '.	EQi,Or *
498	Farley D.T. Ierkic H.M. Fejer B.G.	1981	J.Geophys.Res.	86	1467-1472	Radar Interferometry: A new technique for studying plasma turbulence in the ionosphere.	EQi,Ort
499	Fejer B.G.	1981	J.Atm.Terr.Phys.	43	377-386	The equatorial ionospheric electric fields. A review.	EQe,R
500	Forbes J.M.	1981	Rev.Geophys.	19	469-504	The equatorial electrojet.	EQ,R *
501	Hanuise C.	1981	Univ. Toulon	Th. Doc.		Etude multiréquentielle des instabilités de plasma dans l'électrojet équatorial.	EQi ?*
502	Hanuise C. Crochet M.	1981	J.Geophys.Res.	86	3561-3566	5-50 m wavelength plasma instabilities in the equatorial electrojet. 1. Cross field conditions.	EQi,Ori
503	Hanuise C. Crochet M.	1981	J.Geophys.Res.	86	3567-3572	5-50 m wavelength plasma instabilities in the equatorial electrojet. 2. Two-stream conditions.	EQi,Ori
504	Hanuise C. Crochet M.	1981	J.Geophys.Res.	86	7761-7766	5- to 50-m wavelength plasma instabilities in the equatorial electrojet. 3. Counter electrojet conditions.	EQi,Ori
505	Hanuise C. Crochet M.	1981	URSI XX	Washing- ton		Relative scattering cross-sections of plasma instabilities during electrojet and counter electrojet conditions.	EQi,Or *
506	Kamide Y. Matsushita S.	1981	J.Atm.Terr.Phys.	43	411-	Penetration of high-latitude electric fields into low latitudes.	EQe,T ?*
507	Keskinen M.J.	1981	Phys.Rev.Lett.	47	344-	Nonlinear stabilization of the Farley-Buneman instability by strong ExB turbulence in a plasma.	EQi,T *
508	Matsushita S. Kamide Y.	1981	J.Atm.Terr.Phys.	43	403-	Electromagnetic interaction between high and low latitudes shown by computer simulation movie.	EQec,Ts ?*
509	Newman A.L. Ott E.	1981	J.Geophys.Res.	86	6879-	Nonlinear simulations of type 1 irregularities in the equatorial electrojet.	EQi,Ts *



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
510	Onwumechilli C.A. Agu C.E.	1981	Plan.Space Sci.	29	627-634	Longitudinal variation of Equatorial Electrojet parameters derived from POGO satellite observations.	EQj,Os *
511	Onwumechilli C.A. Agu C.E.	1981	J.Atm.Terr.Phys.	43	573-578	The relationship between the current and the width of the Equatorial Electrojet.	EQj ?*
512	Onwumechilli C.A. Agu C.E.	1981	J.Atm.Terr.Phys.	43	801-807	Comparison of the POGO satellite and ground measurements of the magnetic field on the equatorial electrojet.	EQj,Os m *
513	Parameswaran K. Krishna Murthy B.V	1981	Indian J.Radio Space Phys.	10	61-64	Influence of Sporadic-E Irregularities on the Equatorial Lower Ionospheric Absorption.	EQnc,Oi
514	Prakash S. Muralikrishna P.	1981	J.Geophys.Res.	86	2095-	E and F region electric fields over the dip-equator.	EQe ?*
515	Prakash S. Pandey R. Pal S. Subbaraya B.H.	1981	URSI XX	Washing- ton		Small scale irregularities in the equatorial electrojet.	EQi ?*
516	Reddy C.A. Devasia C.V.	1981	J.Geophys.Res.	86	5751-5767	Height and latitude structure of electric fields and currents due to local east-west winds in the equatorial electrojet.	EQew,T
517	Reddy C.A.	1981	J.Atm.Terr.Phys.	43	557-571	The equatorial electrojet: a review of the ionospheric and geomagnetic effect.	EQe,R *
518	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1981	J.Atm.Terr.Phys.	43	817-827	Backscatter radar measurements of storm-time electric field changes in the equatorial electrojet.	EQi,Or
519	Weinstock J. Catto P.J.	1981	Phys.Fluids	11	1763-		EQi,T ?*
520	Kane R.P. Trivedi N.B.	1982	J.Atm.Terr.Phys.	44	301-304	Are the equatorial electrojet and counter electrojet centered invariably on the dip equator ?	EQj,Om
521	Kane R.P. Trivedi N.B.	1982	J.Atm.Terr.Phys.	44	785-792	Comparison of equatorial electrojet characteristics at Huancaayo and Eusebio (Fortaleza) in the south american region.	EQj,Om
522	Krishna Murthy B.V Krishna Moorthy K. Raghava Reddi C.19	1982	Ann.Geophys.	38	153-161	Daytime equatorial ionospheric scintillations.	EQi,Or\$
523	Kudeki E. Farley D.T. Fejer B.G.	1982	Geophys.Res.Lett.	9	684-687	Long wavelength irregularities in the equatorial electrojet.	EQi,Or
524	Kulsrud R.M. Sudan R.N.	1982	C.P.P.& C.F.	7	47-	On Kraichman's 'Direct Interaction Aproximation' and Kolmogoroff's theory in two-dimensional plasma turbulence.	EQi,T *
525	Onwumechilli C.A. Agu C.E.	1982	Ann.Geophys.	38	307-313	Regional variations of equatorial Electrojet parameters.	EQj *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
526	Pfaff R.F. Kelley M.C. Fejer B.G. Maynard N.C. Baker K.D.	1982	Geophys.Res.Lett.	9	688-	In-situ measurements of wave electric fields in the equatorial electrojet.	EQe, Oc *
527	Royrvik O.	1982	J.Geophys.Res.	87	8338-	Drift and aspect sensitivity of scattering irregularities in the upper equatorial E region.	EQi, O ?*
528	Fejer B.G. Larsen M.F. Farley D.T.	1983	Geophys.Res.Lett.	10	537-540	Equatorial disturbance dynamo electric fields.	EQe, O ?*
529	Gonzales C.A. Kelley M.C. Behnke R.A. Vickrey J.F. Wand R. Holt J.	1983	J.Geophys.Res.	88	9135-	On the latitudinal variations of the ionospheric electric field during magnetospheric disturbances.	EQec, O ?*
530	Hüba J.D. Lee L.C.	1983	Geophys.Res.Lett.	10	357-	Short wavelength stabilization of the gradient drift instability due to velocity shear.	EQi ?*
531	Kudeki E.	1983	Cornell Univ.	PhD. Th.		Plasma turbulence in the equatorial electrojet.	EQi, Or, T
532	Maeda K.	1983	J.AtM.Terr.Phys.	45	245-254	Lunar modulations of the equatorial electrojet.	EQjc, T
533	Prakash S. Pal S. Pandey R.	1983	Adv.Space Res.	2	93-96	Electric field and electron density measurements in the equatorial E-region.	EQne ?*
534	Rastogi R.G.	1983	J.AtM.Terr.Phys.	45	719-728	Equatorial electrojet and radio scintillations.	EQn, Oi\$
535	Subbaraya B.H. Prakash S. Gupta S.P.	1983	Ind.Sp.Res.Org.			Electron densities in the equatorial lower ionosphere from the langmuir Probe experiments conducted at Thumba during the years 1966-1978. [ISRO- PRL-SR. 15-83]	EQ, Oct, R
536	Sudan R.N.	1983	J.Geophys.Res.	88	4853-	Unified theory of type I and type II irregularities in the equatorial electrojet.	EQi, T *
537	Sudan R.N.	1983	Geophys.Res.Lett.	10	983-	Nonlinear theory of type I irregularities in the equatorial electrojet.	EQi, T *
538	Kudeki E.	1984	URSI XXI	Italy		Radar studies of large scale plasma waves in the equatorial electrojet.	EQi, Or *
539	Lunnen R.J. Lee H.S. Ferraro A.J. Collins T.W. Woodman R.F.	1984	Nature	311	134-	Detection of radiation from a heated and modulated equatorial electrojet current system.	EQj ?*
540	Onwumechilli C.A. Ezema P.O.	1984	J.Geomag.Geoelect.	36	97-111	A Profile study of Geomagnetic variations in the Nigerian Equatorial Electrojet Region.	EQj, Om ?*
541	Papamastorakis I. Haerendel G. Baumjohann W.	1984	J.Geophys.	54	213-	Local time dependence of the response of the equatorial electrojet to DP-2 and SI disturbances.	EQj, O ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	issue	Pages	TITLE	Code
542	Prakash S. Pandey R.	1984	Pr.Indian Ac.Sci.	93	283-308	Rocketborne studies of electron density irregularities in the equatorial D- and E-region.	EQni,Oc
543	Subbaraya B.H. Prakash S. Gupta S.P.	1984	Adv.Space Res.	3		Electron densities in the equatorial lower ionosphere from the Thumba Langmuir probe experiments.	EQn,Oc *
544	Sudan R.N. Keskinen M.J.	1984	J.Geophys.Res.	89	9840-9844	Unified theory of the power spectrum of intermediate wavelength ionospheric electron density fluctuations.	EQi,T
545	Vikramkumar B.T. Viswanathan K.S. Rao P.B.	1984	Ann.Geophysicae	2	495-500	VHF Backscatter radar observations of the equatorial electrojet irregularities: diurnal, seasonal and solar cycle variations.	EQi,Orm
546	Baker K.D. LaBelle J. Pfaff R.F. Howlett L.C. Rao N.B. Ulwick J.C. Kelley M.C.	1985	J.Atm.Terr.Phys.	47	781-789	Absolute electron density measurements in the equatorial ionosphere.	EQn,Oc
547	Bonelli E.	1985	Cornell Univ.	PhD. Th.		Equatorial electric fields: A numerical model.	EQe,T ?*
548	Dabas R.S. Jain A.R.	1985	Indian J. Radio Space Phys.	14	100-106	Geomagnetic Storm Effects in Ionospheric TEC at an Equatorial Station: Contribution of E x B Drifts & Meridional Neutral Winds.	EQn,Oi
549	Farley D.T.	1985	J.Atm.Terr.Phys.	47	729-744	Theory of equatorial electrojet plasma waves: new developments and current status.	EQi,R
550	Jie Z.X. Lu X.N.	1985	J.Atm.Terr.Phys.	47	945-949	HF scattering induced by field-aligned irregularities in the equatorial E-region during total solar eclipses.	EQin,Or
551	Kudeki E. Farley D.T. Fejer B.G.	1985	J.Geophys.Res.	90	429-436	Theory of spectral asymmetries and nonlinear currents in the equatorial electrojet.	EQi,T
552	Onwumechilli C.A.	1985	J.Geomag.Geoelect.	37	11-36	Satellite measurements of the Equatorial Electrojet.	EQj,Os:*
553	Onwumechilli C.A. Ozoemena P.C.	1985	J.Geomag.Geoelect.	37	193-204	Latitudinal Extent of the Equatorial Electrojet.	EQj *
554	Pfaff R.F. Kelley M.C. Fejer B.G. Maynard N.C. Brace L.H. Ledley B.G. Smith L.G. Woodman R.F.	1985	J.Atm.Terr.Phys.	47	791-811	Comparative in-situ studies of the unstable day-time equatorial E-region.	EQi,Orc
555	Pfaff R.F. Kelley M.C. Kudeki E. Baker K.D.	1985	Eos Trans.AGU	66	327-	In-situ observations of two-stream waves in the equatorial electrojet and their modulation by large scale waves.	EQi,Oc *
556	Prakash S. Pal S.	1985	J.Atm.Terr.Phys.	47	853-866	Electric fields and electron density irregularities in the equatorial electrojet.	EQie,Oc

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
557	Prakash S. Pandey R.	1985	J.Atmos.Terr.Phys.	47	363-374	Generation of electric fields due to the gravity wave winds and their transmission to other ionospheric regions.	EQew,Tm
558	Smith L.G. Royvik O.	1985	J.Atmos.Terr.Phys.	47	813-824	Electron density irregularities in the day-time equatorial ionosphere.	EQi,Oc
559	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1985	Geophys.Res.Lett.	12	473-475	Simultaneous electric field changes in the equatorial electrojet in phase with polar cusp latitude changes during a magnetic storm.	EQec ?
560	Sridharan R. Raghavarao R. Pokhunkov A.A. Varfolomeev V.A.	1985	J.Atmos.Terr.Phys.	47	1081-1084	Relative ion composition variation over the dip equator - a comparison of measurements with IRI.	EQn,Oc
561	Stening R.J.	1985	J.Geophys.Res.	90	1705-1719	Modeling the equatorial electrojet.	EQ,Tm *
562	Subbaraya B.H. Prakash S. Gupta S.P.	1985	Adv.Space Res.	5	35-38	Structure of the equatorial lower ionosphere from the Thumba Langmuir probe experiment.	EQn,Oc
563	Devasia C.V.	1986	Ann.Geophysicae	4	301-310	The role of local action of tidal winds in the generation of counter electrojet.	EQwj,T
564	Farley D.T. Bonelli E. Fejer B.G. Larsen M.F.	1986	J.Geophys.Res.	91	13723-13728	The prereversal enhancement of the zonal electric field in the equatorial ionosphere.	EQe,T
565	Fejer B.G.	1986	Book	Tokyo	519-545	Equatorial ionospheric electric fields associated with magnetospheric disturbances. [Book: "Solar Wind Magnetosphere Coupling", Terra Publishers]	EQe,Or
566	Forbes J.M.	1986	J.Geophys.Res.	86	1551-1563	Tidal effects on D- and E-region ion chemistries.	EQw ?*
567	Gupta S.P.	1986	Plan.Space Sci.	34	1081-1085	Formation of sporadic E layers at low magnetic latitudes.	EQn,Oi
568	Krishna Moorthy K. Krishna Murthy B.V	1986	J.Atmos.Terr.Phys.	48	649-653	Drift speeds of equatorial electrojet irregularities of kilometre and metre sizes.	EQi,Ors
569	Krishna Murthy B.V Krishna Moorthy K.	1986	Ann.Geophysicae	4	399-404	Effect of magnetic activity on equatorial ionospheric scintillations.	EQi,O\$
570	Pfaff R.F.	1986	Cornell Univ.	PhD. Th.		Rocket studies of plasma turbulence in the equatorial and auroral electrojets.	EQi,Oc,R
571	Rastogi R.G. Asha Patil	1986	Current Sci.	55	433-436	Complex structure of equatorial electrojet current.	EQj,Om
572	Reddy C.A.	1986	Indian J.Space Phys.	15	247-	The equatorial ionosphere.	EQi ?*
573	St.Maurice J.P. Hanuise C. Kudeki E.	1986	J.Geophys.Res.	91	13493-13505	On the dependence of the phase velocity of equatorial irregularities on the polarization electric field and theoretical implications.	EQi,Or
574	Stening R.J.	1986	J.Atmos.Terr.Phys.	48	163-170	Interrelations between current and electron density profiles in the equatorial electrojet and effects of neutral density changes.	EQjn,T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
575	Anandarao B.G. Raghavarao R.	1987	J.Geophys.Res.	92	2514-2526	Structural changes in the currents and fields of the equatorial electrojet due to zonal and meridional winds.	EQjew,T
576	Jain A.R.	1987	Indian J. Radio Space Phys.	16	267-272	Reversal of E x B Drift & Post-Sunset Enhancement of the Ionospheric Total Electron Content at Equatorial Latitudes.	EQn,Oid
577	Kudeki E. Fejer B.G. Farley D.T. Hanuise C.	1987	J.Geophys.Res.	92	13561-13577	The Condor Equatorial Electrojet Campaign: Radar results.	EQi,Or
578	Ozoemena P.C. Onwumechilli C.A.	1987	J.Geomag.Geoel.	39	625-636	Global variations of the POGO Electrojet parameters during the solstices.	EQj,Os *
579	Plaff R.F. Kelley M.C. Kudeki E. Fejer B.G. Baker K.D.	1987	J.Geophys.Res.	92	13578-13596	Electric field and plasma density measurements in the strongly driven daytime Equatorial Electrojet. 1. The unstable layer and gradient drift waves.	EQin,Ocd
580	Plaff R.F. Kelley M.C. Kudeki E. Fejer B.G. Baker K.D.19	1987	J.Geophys.Res.	92	13597-13612	Electric field and plasma density measurements in the strongly driven daytime Equatorial Electrojet. 2. Two stream waves.	EQin,Oc
581	Reddy C.A. Vikramkumar B.T. Viswanathan K.S.	1987	J.Atm.Terr.Phys.	49	183-191	Electric fields and currents in the equatorial electrojet deduced from VHF radar observations - I. A method of estimating electric fields.	EQej,Or,T
582	Sinha H.S.S. Prakash S.	1987	Indian J. Radio Space Phys.	16	102-	Rocket observations of E-region ionization irregularities produced through cross-field instability mechanism-current status.	EQi ?*
583	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1987	Geophys.Res.Lett.	14	876-879	Penetration of magnetospheric convective electric field to the equatorial ionosphere during the substorm of March 22, 1979.	EQe,Orm
584	Somayajulu V.V. Viswanathan K.S.	1987	Indian J. Radio Space Phys.	16	380-383	VHF Radar Observations during Equatorial Counter Electrojet Events.	EQj,Orim
585	Vikramkumar B.T. Viswanathan K.S. Reddy C.A.	1987	J.Atm.Terr.Phys.	49	201-207	Electric fields and currents in the equatorial electrojet deduced from VHF radar observations- III. Comparison of observed $\Delta H$ values with those estimated from measured electric fields.	EQej,Or
586	Viswanathan K.S. Vikramkumar B.T. Reddy C.A.	1987	J.Atm.Terr.Phys.	49	193-200	Electric Fields and currents in the Equatorial electrojet deduced from VHF radar observations- II. Characteristics of electric fields on quiet and disturbed days.	EQej,Orm
587	Alex S. Roy M. Rastogi R.G.	1988	J.Atm.Terr.Phys.	50	613-622	Effect on the electric field on the equatorial ionospheric plasma distribution.	EQnc,Oim
588	Muralikrishna P. Abdu M.A.	1988	J.Geophys.Res.	93	1017-1022	Solar and magnetic declination control on the electrojet and distributed currents in the ionosphere over Jicamarca.	EQj ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by Year

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
589	Onwumechilli C.A. Ozoemena P.C.	1988	Pu.App.Geophys.	131		Sub-solar elevation of the Equatorial Electrojet.	EQj ?*
590	Ozoemena P.C. Onwumechilli C.A.	1988	J.AtM.Terr.Phys.	50	181-184	Diurnal variations of Equatorial Electrojet parameters derived from POGO solstitial data.	EQj,Os *
591	Ozoemena P.C. Onwumechilli C.A.	1988	Nigerian J.Phys.	1	19-24	An empirical model that gives numerical estimates of the lateral dimensions of the equatorial Electrojet.	EQj ?*
592	Reddy C.A. Ajith Kumar S. Somayajulu V.V.	1988	Plan.Space Sci.	36	1149-	An observational test for the ionospheric or magnetospheric origin of night-time geomagnetic positive bays at low and mid latitudes.	EQj,Om
593	Reddy C.A. Ajith Kumar S. Somayajulu V.V.	1988	Plan.Space Sci.	36	1149-	An observational test for the ionospheric or magnetospheric origin of night time geomagnetic positive bays at low and mid latitudes.	EQ ?*
594	Singh A. Cole K.D.	1988	J.AtM.Terr.Phys.	50	639-648	Altitude and latitude dependence of the equatorial electrojet.	EQn,Oc,T
595	Onwumechilli C.A. Agu C.E. Ozoemena P.C.	1988	J.AtM.Terr.Phys.	50	1093-1098	Effect of Equatorial Electrojet intensity on its landmark distances.	EQnj,Oc,T
596	Singh A. Cole K.D.	1988	J.Geomag.Geoelect.	40	111-130	Electrodynamic effects of metal ions in the noon equatorial E-region.	EQj,Om
597	Somayajulu V.V.	1989	J.Geophys.Res.			Behaviour of Harmonic Components of the Geomagnetic Field during Counter Electrojet Events.	EQi,T *
598	Farley D.T. Providakes J.F.	1989	J.Geophys.Res.	94	426-434	The variation with $T_e$ and $T_i$ of the velocity of unstable ionospheric two-stream waves.	EQi,Or,T *
599	Kudeki E. Farley D.T.	1989	J.AtM.Terr.Phys.	51	163-168	Aspect sensitivity of equatorial electrojet irregularities and theoretical implications.	EQn ?*
600	Onwumechilli C.A. Ozoemena P.C.	1989	J.Geomag.Geoelect.	41	443-459	Contours of Equatorial Electrojet current density.	EQj,Om *
601	Onwumechilli C.A. Ozoemena P.C. Agu C.E.	1989	J.Geomag.Geoelect.	41	461-467	Landmark values of Equatorial Electrojet current and magnetic field along a meridian near noon.	EQj *

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
374	Agarwal A.K. Rastogi R.G. Nityananda N. Singh B.P.	1977	Phys.Res.Lab.R.	Ahmedabad	53-67	Equatorial Electrojet of short-period Fluctuations. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQj,Om
493	Agu C.E. Onwumechilli C.A.	1981	J.AtM.Terr.Phys.	43	809-816	Temporal variations of POGO Equatorial Electrojet parameters.	EQj,Os *
147	Aikin A.C. Blumle L.J.	1968	J.Geophys.Res.	73	1617-1626	Rocket measurements of the E-region electron concentration distribution in the vicinity of the geomagnetic equator.	EQjn,Oc
254	Aikin A.C. Goldberg R.A.	1973	J.Geophys.Res.	78	734-745	Metallic ions in the equatorial ionosphere.	EQj,Oc
64	Akasofu S.I. Chapman S.	1963	J.Geophys.Res.	68	2375-2382	The enhancement of the equatorial electrojet during polar magnetic substorms.	EQj,Om
202	Akinrimisi J.	1971	Cornell Univ.	PhD.Th.		Theory of ionospheric irregularities in the equatorial electrojet plasma.	EQi,T ?*
28	Al'pert J.L.	1958	Sov.Phys.JETP	v.6,n.1	167-175	Electron density fluctuations and the scattering of radio waves in the ionosphere.	PI,T
587	Alex S. Roy M. Rastogi R.G.	1988	J.AtM.Terr.Phys.	50	613-622	Effect on the electric field on the equatorial ionospheric plasma distribution.	EQnc,Om
22	Alexander N.S. Onwumechilli C.A.	1957	Nature	180	191-192	Variation of the Horizontal Force near the Magnetic Equator.	EQj,Om *
41	Alexander N.S. Onwumechilli C.A.	1960	J.AtM.Terr.Phys.	18	87-	Direction of variation in the geomagnetic vertical field at Ibadan, Nigeria.	EQj,Om *
342	Anandarao B.G.	1976	Geophys.Res.Lett.	3	545-548	Effects of gravity wave winds and wind shears on the equatorial electrojet.	EQw,O ?*
375	Anandarao B.G. Raghavarao R. Raghava Reddi C.	1977	J.Geophys.Res.	82	1510-1512	Electric fields by gravity wave winds in the equatorial ionosphere.	EQew,T
427	Anandarao B.G. Raghavarao R. Desai J.N. Haerendel G.	1978	J.AtM.Terr.Phys.	40	157-163	Vertical winds and turbulence over Thumba.	EQw ?*
441	Anandarao B.G. Raghavarao R.	1979	Space Res.	19	283-286	Effects of vertical shears in the zonal winds on the electrojet.	EQw,O ?*
442	Anandarao B.G. Raghavarao R.	1979	Space Res.	19	263-266	Gravity waves and tidal winds in the equatorial thermosphere.	EQw,O ?*
575	Anandarao B.G. Raghavarao R.	1987	J.Geophys.Res.	92	2514-2526	Structural changes in the currents and fields of the equatorial electrojet due to zonal and meridional winds.	EQjew,T
17	Bailey D.K. Bateman R. Kirby R.C.	1955	Proc.IRE	43	1181-1230	Radio transmission at VHF by scattering and other processes in the lower ionosphere.	PI,Or,R

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
4	Bailey D.K. Baleman R. Berkner L.V. Booker H.G. Montgomery G.F. Purcell E.M. Salisbury W.W.	1952	Phys.Rev.	86	141-145	A new kind of Propagation at very high frequencies observable over long distances.	Pi,Or,T
546	Baker K.D. LaBelle J. Pflaff R.F. Howlett L.C. Rao N.B. Ulwick J.C. Kelley M.C.	1985	J.Atmos.Terr.Phys.	47	781-789	Absolute electron density measurements in the equatorial ionosphere.	EQn,Oc
5	Baker W.G. Martyn D.F.	1952	Nature	170	1090-1092	Conductivity of the ionosphere.	EQj,T *
9	Baker W.G. Martyn D.F.	1953	Phil.Trans.Roy.S.	A246	281-294	Electric currents in the ionosphere. I. Conductivity.	EQj,T
10	Baker W.G.	1953	Phil.Trans.Roy.S.	A246	295-305	Electric currents in the ionosphere. II. The Atmospheric Dynamo.	EQj,T
87	Balsley B.B.	1964	J.Geophys.Res.	69	1925-1930	Evidence of a stratified echoing region at 150 kilometers in the vicinity of the magnetic equator during daylight hours.	EQi,Or
98	Balsley B.B.	1965	J.Geophys.Res.	70	3175-3182	Some additional features of radar returns from the equatorial electrojet.	EQi,Or
99	Balsley B.B.	1965	Symposium	Brazil	300-301	Evidence for a nighttime westward current in the equatorial E region. [Proc.2nd.Intern.Symp. on Equatorial Aeronomy, F. de Mendonca, CNAE, Sao Paulo]	EQi,Or *
114	Balsley B.B.	1966	Ann.Geophys.	22	460-462	Evidence of the nighttime current reversal in the equatorial electrojet.	EQi,Or
127	Balsley B.B.	1967	Iertm-Ilsa	PhD.Th.		Evidence for plasma turbulence in the equatorial electrojet.	EQi,Or,R
161	Balsley B.B.	1969	J.Atmos.Terr.Phys.	31	475-478	Measurement of electron drift velocities in the night-time equatorial electrojet.	EQe,Ord
162	Balsley B.B.	1969	J.Geophys.Res.	74	1213-1217	Nighttime electric fields and vertical ionospheric drifts near the magnetic equator.	EQe,Ord
163	Balsley B.B.	1969	J.Geophys.Res.	74	2333-2347	Some characteristics of non-two-stream irregularities in the equatorial electrojet.	EQi,Or
164	Balsley B.B. Woodman R.F.	1969	J.Atmos.Terr.Phys.	31	865-867	On the control of the F-region drift velocity by the E-region electric field: experimental evidence.	EQec,Or
179	Balsley B.B.	1970	J.Geophys.Res.	75	4369-4371	Equatorial electrojet: Seasonal variation of the reversal times.	EQejc,Or
180	Balsley B.B.	1970	J.Geophys.Res.	75	4291-4297	A longitudinal variation of electron drift velocity in the equatorial electrojet.	EQje,Ord



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
181	Balsley B.B.	1970	Plasma Phys.	12	817-819	Unidentified plasma irregularities in the equatorial electrojet.	EQi
182	Balsley B.B.	1970	Symposium	12		Equatorial E-region electric fields: Experimental determination of diurnal characteristics and seasonal variations. [ESSA Tech. Memo. Proc. Upper. Atm. Curr. El. Field]	EQie,Or *
203	Balsley B.B. Farley D.T.	1971	J.Geophys.Res.	76	8341-8351	Radar studies of the equatorial electrojet at three frequencies.	EQi,Or
204	Balsley B.B. Woodman R.F.	1971	UAG Rep.17	A	1-44	Ionospheric drift velocity measurements at Jicamarca, Peru. [UAG Rep.17, World Data Center A]	EQi,Ord
222	Balsley B.B. Ecklund W.L.	1972	J.Geophys.Res.	77	4746-4760	VHF power spectra of the radar aurora.	Pi,Or
255	Balsley B.B. Farley D.T.	1973	J.Geophys.Res.	78	7471-7479	Radar observations of two-dimensional turbulence in the equatorial electrojet.	EQi,Or
256	Balsley B.B.	1973	J.Atmos.Terr.Phys.	35	1035-1044	Electric fields in the equatorial ionosphere: A review of techniques and measurements.	EQe,Ot,R
257	Balsley B.B. Ecklund W.L. Carter D.A.	1973	Solar Eclipse	Bull.5		Equatorial electrojet observations. [National Science Foundation, Washington D.C.]	EQi,Or *
343	Balsley B.B. Rey A. Woodman R.F.	1976	J.Geophys.Res.	81	1391-1396	On the plasma instability mechanisms responsible for Esq.	EQin,O ?
344	Balsley B.B. Carter D.A. Woodman R.F.	1976	J.Geophys.Res.	81	1296-1300	Vertical ionization drifts in the lower equatorial ionosphere and the meridional current systems.	EQi,Ord
345	Balsley B.B. Fejer B.G. Farley D.T.	1976	J.Geophys.Res.	81	1457-1459	Radar measurements of neutral winds and temperatures in the equatorial E-region.	EQw,Or *
376	Balsley B.B.	1977	J.Atmos.Terr.Phys.	39	1087-1096	E-region dynamics.	EQei,Or,R
65	Bandyopadhyay P. Montes H.	1963	J.Geophys.Res.	68	2453-2484	Some aspects of Es ionization of the magnetic equatorial region.	EQnc,Oim,R
88	Bandyopadhyay P.	1964	Inst.Geofis.Peru			La ionización de la capa E-esporádica cerca del ecuador magnético.	EQnjc,OimrR
100	Bandyopadhyay P.	1965	Inst.Geofis.Peru			Una nota sobre variaciones ionosféricas de tipo diurno,anual y con el ciclo solar.	EQni,R
183	Bandyopadhyay P.	1970	Plan.Space Sci.	18	129-135	Measurements of total electron content at Huancayo, Peru.	EQn,Oi
✓ 469	Barone S.R.	1980	Phys.Fluids	23	491-	Nonlinear theory of type II irregularities in the equatorial electrojet.	EQi,T *
377	Basu Sa. Aarons J. Balsley B.B.	1977	J.Geophys.Res.	82	5262-5266	On the nature of the electrojet irregularities responsible for daytime VHF scintillations.	EQi,Or\$

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
223	Beer T. Moorcroft D.R.	1972	J.Atm.Terr.Phys.	34	2025-2043	Atmospheric wave-induced instability in the nighttime E-region.	EQi,T
101	Bhavsar P.D. Ramanuja Rao K.	1965	Space Res.	8	986-	A first study of atmospheric winds near the equatorial electrojet by sodium cloud technique.	EQ ?*
165	Bhavsar P.D. Narayanan M.S. Ramanuja Rao K.	1969	Space Res.	9	374-	Neutral atmosphere winds above 100 Km.	EQ ?*
470	Blanc M. Richmond A.D.	1980	J.Geophys.Res.	85	1669-	The ionospheric disturbance dynamo.	EQj,T ?*
547	Bonelli E.	1985	Cornell Univ.	PhD.Th.		Equatorial electric fields: A numerical model.	EQe,T ?*
302	Bowhill S.A. Walton E.K. Raslogi P.K.	1974	Stanford.Res.l.	California	1-104	An electrodynamic model of the equatorial ionosphere.	EQe,Tm
23	Bowles K.L. Cohen R.	1957	QST	41	11-15	NBS equatorial region VHF scatter research program for the IGY.	EQi,Or
42	Bowles K.L. Cohen R. Ochs G.R. Balsley B.B.	1960	J.Geophys.Res.	65	1853-1855	Radio echoes from field-aligned ionization above the magnetic equator and their resemblance to auroral echoes.	EQi,Or
50	Bowles K.L. Cohen R.	1962	Book	New York	51-77	A study of radio wave scattering from Sporadic E near the magnetic equator. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQi,Or
66	Bowles K.L. Balsley B.B. Cohen R.	1963	J.Geophys.Res.	68	2485-2501	Field-aligned E-region Irregularities identified with acoustic plasma waves.	EQi,Or
89	Bowles K.L.	1964	Book	New York	55-176	Radio wave scattering in the ionosphere. [Book: "Advances in Electronics and Electron Physics", v.19 Marton L. editor, Academic Press]	EQi,Or,R
324	Broche P. Crochet M.	1975	J.Atm.Terr.Phys.	37	1371-1374	Generation of atmospheric gravity waves by the 30 June 1973 solar eclipse in Africa.	P,Oi
428	Broche P. Crochet M. Gagnepain J.	1978	J.Geophys.Res.	83	1145-1146	Neutral winds and phase velocity of the instabilities in the equatorial electrojet.	EQiw,T
102	Brown R.A.	1965	J.Atm.Terr.Phys.	27	855-870	Lunar tides in the equatorial sporadic-E layer.	EQnc,Oim
128	Brown R.A.	1967	J.Atm.Terr.Phys.	29	1087-1093	The lunar tide in the E-layer.	EQnc,Oi
67	Buneman O.	1963	Phys.Rev.Lett.	10	285-287	Excitation of field-aligned sound waves by electron streams.	EQi,T
184	Burrows K.	1970	J.Geophys.Res.	75	1319-1323	The day to day variability of the equatorial electrojet in Peru.	EQj,Om
258	Burrows K. Rogers A.J.	1973	J.Atm.Terr.Phys.	35	1709-1713	A test of the wind shear theory of sporadic E formation.	EQw,Oc

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
346	Burrows K. Sastry T.S.G.	1976	J.Atmos.Terr.Phys.	38	307-311	Rocket measurements of current distribution in a normal and an intense equatorial electrojet.	EQj, Oc
378	Burrows K. Sastry T.S.G. Sampath S. Stolarik J.D. Usher M.J.	1977	J.Atmos.Terr.Phys.	39	125-128	The storm-time Equatorial Electrojet.	EQ ?*
29	Cahill L.J. Van Allen J.A.	1958	J.Geophys.Res.	63	270-273	New Rocket Measurement of ionospheric currents near the geomagnetic equator.	EQj, Oc
32	Cahill L.J.	1959	J.Geophys.Res.	64	489-503	Investigation of the equatorial electrojet by rocket magnetometer.	EQe, Ocm ?*
166	Cain J.C.	1969	Radio Sci.	4	781-784	The location of the dip-equator at E-layer altitude.	EQj, Om *
259	Cain J.C. Sweeney R.E.	1973	J.Atmos.Terr.Phys.	35	1231-1247	The POGO data.	EQj, Os, T
260	Campbell W.H.	1973	J.Atmos.Terr.Phys.	35	1127-1146	The field levels near midnight at low and equatorial geomagnetic stations.	EQj, Om
325	Carter D.A. Balsley B.B. Ecklund W.L.	1975	NOAA Res Lab	Colorado		VHF Doppler Radar observations of the african equatorial electrojet.	EQi, Or
347	Carter D.A. Balsley B.B. Ecklund W.L.	1976	J.Geophys.Res.	81	2786-	VHF Doppler radar observations of the african equatorial electrojet.	EQi, Or
379	Chakravarty S.C. Rao R.S.	1977	Phys.Res.Lab.R.	Ahmedabad	257-265	Possible Indian future studies on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ, R
205	Chandra H. Misra R.K. Rastogi R.G.	1971	Plan.Space Sci.	19	1497-1503	Equatorial ionospheric drift and the electrojet.	EQej, Omd
224	Chandra H. Rastogi R.G.	1972	Ann.Geophys.	28	581-588	Some characteristics of the ionospheric irregularities over the magnetic equator derived from spaced fading records.	EQi, Ori
261	Chandra H. Rastogi R.G.	1973	J.Geophys.Res.	78	3007-3012	Some characteristics of the ionospheric irregularities associated with Esq layers.	EQi, Omir
326	Chandra H. Rastogi R.G.	1975	J.Geophys.Res.	80	149-153	Blanketing sporadic E layer near the magnetic equator.	EQn, Oi *
380	Chandra H.	1977	Phys.Res.Lab.R.	Ahmedabad	191-206	Ionospheric drift measurements with the spaced receiver technique at the Equatorial Electrojet latitudes. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQji, Od
1	Chapman S.	1951	Arch. f. Meteorol. Ser.A4 Geophysik u. Bioklimatol.		368-390	The equatorial Electrojet as detected from the abnormal electric current distribution above Huancayo, Peru, and elsewhere.	EQj, Om *
20	Chapman S.	1956	Nuovo Cimento	4 Sup.4	1385-1412	The electrical Conductivity of the Ionosphere. A Review.	EQj, T, R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
68	Closs R.L.	1963	Proc.Phys.Soc.	82	664-668	An experimental investigation of back scattering of radio waves from the equatorial electrojet.	EQi,Or
167	Closs R.L.	1969	J.AtM.Terr.Phys.	31	873-875	Low latitude sporadic E associated with geomagnetic activity.	EQn,Oim
185	Closs R.L.	1970	J.Geophys.Res.	75	2611-2612	Redistribution of ionization by the meridional currents associated with the equatorial electrojet.	EQj,T
186	Closs R.L.	1970	J.AtM.Terr.Phys.	32	265-276	Blanketing type sporadic-E associated with the equatorial electrojet.	EQn,Oim
51	Cohen R. Bowles K.L. Calvert W.	1962	J.Geophys.Res.	67	965-972	On the nature of equatorial slant Sporadic E.	EQin,Oi
69	Cohen R. Bowles K.L.	1963	J.Res.NBS	67D	459-480	Ionospheric VHF scattering near the magnetic equator during the international geophysical year.	EQi,Or
70	Cohen R. Bowles K.L.	1963	J.Geophys.Res.	68	2503-2525	The association of plane-wave electron-density irregularities with the equatorial electrojet.	EQi,Or
90	Cohen R. Farley D.T.	1964	Proc.Phys.Soc.	84	619-620	Comments on a paper by R.L.Closs, "An experimental investigation of backscattering of radio waves from the equatorial electrojet".	EQi,Or *
129	Cohen R.	1967	Book	New York	561-613	The equatorial ionosphere. [Book: "Physics of Geomagnetic Phenomena", v.1, Academic Press]	EQni,R
130	Cohen R. Bowles K.L.	1967	J.Geophys.Res.	72	885-893	Secondary irregularities in the equatorial electrojet.	EQi,Or
148	Cohen R.	1968	Symposium	Norway		Transequatorial propagation implications of equatorial vertical drifts measurements. [AGARD/EPC Symposium, Sandefjord - Norway]	Pi,Ord
262	Cohen R.	1973	J.Geophys.Res.	78	2222-2231	Phase velocities of irregularities in the equatorial electrojet.	EQi,Or
303	Cohen R. Hooke W.H.	1974	J.Geophys.Res.	79		Neutral winds in the equatorial electrojet.	EQew,Or *
429	Cohen R. Hooke W.H.	1978	J.Geophys.Res.	83	4791-4797	Neutral atmospheric motions manifested in Radar echo Doppler shifts from two-stream irregularities in the equatorial electrojet.	EQiw,Or,T
381	Cole K.D.	1977	Phys.Res.Lab.R.	Ahmedabad	117-118	Some physical processes related to the equatorial electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,T
348	Crochet M. Poman C. Hanuise C.	1976	Geophys.Res.Lett.	3	673-676	Radar profiles of the equatorial electrojet.	EQn,Or ?*
382	Crochet M.	1977	J.AtM.Terr.Phys.	39	1103-1117	Radar studies of longitudinal differences in the equatorial electrojet: a review.	EQi,Or,R
383	Crochet M. Tabbagh J. Makiese N.	1977	J.AtM.Terr.Phys.	39	463-468	Simultaneous ionospheric drift observations by different techniques at low and mid-latitudes.	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
443	Crochet M. Hanuise C. Broche P.	1979	J.Geophys.Res.	84	5223-5233	HF Radar studies of two-stream instability during an equatorial counter-electrojet.	EQi,Omr
444	Crochet M. Broche P. Hanuise C.	1979	Nature	277	203-204	High frequency radar observations of horizontal plasma waves in the equatorial ionosphere.	EQi,Ori *
494	Crochet M. Hanuise C.	1981	J.Atm.Terr.Phys.	43	829-834	On a method of extended observations of the spectrum of plasma instabilities in the electrojet.	EQi,Or *
495	Crochet M.	1981	J.Atm.Terr.Phys.	43	579-588	Review of the equatorial electrojet instability in light of recent developments in HF Radar measurements.	EQi,Or,R *
304	D'Angelo N. Pecseli H.L. Petersen P.I.	1974	J.Geophys.Res.	79	4747-4751	The Farley Instability: A laboratory test.	EQi,OI
327	D'Angelo N. Pecseli H.L. Petersen P.I.	1975	J.Geophys.Res.	80	1854-1855	The k spectrum of ionospheric irregularities.	EQi,OI
548	Dabas R.S. Jain A.R.	1985	Indian J. Radio Space Phys.	14	100-106	Geomagnetic Storm Effects in Ionospheric TEC at an Equatorial Station: Contribution of E x B Drifts & Meridional Neutral Winds.	EQn,Oi
131	Davis T.N. Burrows K. Stolarik J.D.	1967	J.Geophys.Res.	72	1845-1861	A latitude survey of the equatorial electrojet with rocket-borne magnetometers.	EQj,Omc *
115	Deshpande M.R. Rastogi R.G.	1966	Ann.Geophys.	22	418-421	Ionospheric horizontal drifts within the equatorial electrojet region in India.	EQe,Oid
384	Deshpande M.R.	1977	Phys.Res.Lab.R.	Ahmedabad	209-223	On the characteristics of equatorial irregularities and the ionospheric plasmaspheric electric content. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQin,Os\$
349	Devasia C.V.	1976	Indian J. Radio Space Phys.	5	217-220	Blanketing Sporadic-E Characteristics at the Equatorial Stations - Trivandrum & Kodaikanal.	EQn,Oi *
563	Devasia C.V.	1986	Ann.Geophysicae	4	301-310	The role of local action of tidal winds in the generation of counter electrojet.	EQwj,T
225	Dolginov Sh.Sh.	1972	Geomag.Aeronom.	12	611-617	Equatorial electrojet, according to Kosmos-321 measurements.	EQj,Os
132	Dougherty J.P. Farley D.T.	1967	J.Geophys.Res.	72	885-901	Ionospheric E-region irregularities produced by nonlinear coupling of unstable plasma waves.	EQi,T
445	Duhau S. Romanelli L.	1979	J.Geophys.Res.	84	1849-1854	Electromagnetic induction at the south american geomagnetic equator as determined from measured ionospheric currents.	EQj,Om
133	Dunford E.	1967	J.Atm.Terr.Phys.	29	1489-1498	The relationship between the ionospheric equatorial anomaly and the E-region current system.	EQej,Oms
430	Dupree T.H. Tetrault D.J.	1978	Phys.Fluids	21	425-	Renormalized dielectric function for collisionless drift wave turbulence.	EQi,T ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
43	Egan R.D.	1960	J.Geophys.Res.	65	2343-2358	Anisotropic field-aligned Ionization Irregularities in the Ionosphere near the magnetic equator.	EQi,Or *
206	Fambitakoye O.	1971	C.R.Ac.Sc.Paris	272B	637-640	Variabilité jour à jour de la variation journalière régulière du champ magnétique terrestre dans la région de l'Electrojet Equatorial.	EQj,Om *
263	Fambitakoye O. Rastogi R.G. Tabbagh J. Vila P.	1973	J.AtM.Terr.Phys.	35	1119-1126	Counter electrojet and Esq disappearance.	EQj,Omi
264	Fambitakoye O. Mayaud P.N.	1973	Ann.Geophys.	29	168-169	Remarques sur les effets externes et internes à Huancayo.	EQj,Om *
350	Fambitakoye O. Mayaud P.N. Richmond A.D.	1976	J.AtM.Terr.Phys.	38	113-121	Equatorial electrojet and regular daily variation Sr.-III. Comparison of observations with a physical model.	EQj,Om,T
351	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	19-26	Equatorial electrojet and regular daily variation Sr.-II. The centre of the equatorial electrojet.	EQj,Om
352	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	1-17	Equatorial electrojet and regular daily variation Sr.-I. A determination of the equatorial electrojet parameters.	EQj,Om
353	Fambitakoye O. Mayaud P.N.	1976	J.AtM.Terr.Phys.	38	123-134	Equatorial electrojet and regular daily variation Sr.-IV. Special features in particular days.	EQj,Om
354	Fambitakoye O.	1976	Geophysique	14,ORST		Etude des effets magnétiques de l'électrojet équatorial. [ORST]	EQj,Om,T
71	Farley D.T.	1963	J.Geophys.Res.	68	6083-6097	A plasma instability resulting in Field-Aligned irregularities in the ionosphere.	EQi,T
72	Farley D.T.	1963	Phys.Rev.Lett.	10	279-282	Two-stream plasma instability as a source of irregularities in the ionosphere.	EQi,T
207	Farley D.T.	1971	Book	New York		Radio wave scattering from the ionosphere. [Book: "Methods of Experimental Physics", v.9B, Chap.14 Lovberg R. & Greim H. editors, Academic Press]	EQi,Or,R
265	Farley D.T. Balsley B.B.	1973	J.Geophys.Res.	78	227-239	Instabilities in the equatorial electrojet.	EQi,Or,R
305	Farley D.T.	1974	Rev.Geophys. Space Phys.	12	285-289	Irregularities in the equatorial ionosphere: the Berkner-Symposium.	EQi ?*
328	Farley D.T. Fejer B.G.	1975	J.Geophys.Res.	80	3087-3090	The effect of the gradient drift term on type 1 electrojet irregularities.	EQi,T
431	Farley D.T. Fejer B.G. Balsley B.B.	1978	J.Geophys.Res.	83	5625-5632	Radar observations of two-dimensional turbulence in the equatorial electrojet: 3. Nighttime observations of type 1 waves.	EQi,Or
446	Farley D.T.	1979	Book	Holland	272-298	The ionospheric plasma. [Book: "Solar System Plasma Physics", Chap.III.1.7 Kennel C.F., Lanzerotti L.J. & Parker E.N. editors]	EQi,R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
496	Farley D.T. Ierkic H.M. Fejer B.G.	1981	J.Geophys.Res.	86	1569-1575	The absolute scattering cross section at 50 Mhz of equatorial electrojet irregularities.	EQi,Or
497	Farley D.T. Fejer B.G.	1981	J.Geophys.Res.	86	11467-11468	Reply to 'comment on "the absolute scattering cross section at 50 MHz of equatorial electrojet irregularities" '.	EQi,Or *
498	Farley D.T. Ierkic H.M. Fejer B.G.	1981	J.Geophys.Res.	86	1467-1472	Radar Interferometry: A new technique for studying plasma turbulence in the ionosphere.	EQi,Ort
549	Farley D.T.	1985	J.Atm.Terr.Phys..	47	729-744	Theory of equatorial electrojet plasma waves: new developments and current status.	EQi,R
564	Farley D.T. Bonelli E. Fejer B.G. Larsen M.F.	1986	J.Geophys.Res.	91	13723-13728	The prereversal enhancement of the zonal electric field in the equatorial ionosphere.	EQe,T
597	Somayajulu V.V.	1989	J.Geophys.Res.			Behaviour of Harmonic Components of the Geomagnetic Field during Counter Electrojet Events.	EQi,T *
306	Fejer B.G.	1974	Cornell Univ.	PhD.Th.		Radar studies of small-scale plasma irregularities in the equatorial electrojet.	EQi,Or,T
329	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1975	J.Geophys.Res.	80	1307-1312	Oblique VHF Radar spectral studies of the equatorial electrojet.	EQi,Or
330	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1975	J.Geophys.Res.	80	1313-1324	Vertical structure of the VHF backscattering region in the equatorial electrojet and the gradient drift instability.	EQi,Or
355	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1976	J.Geophys.Res.	81	130-134	Radar observations of two-dimensional turbulence in the equatorial electrojet, 2.	EQi,Or
356	Fejer B.G. Farley D.T. Balsley B.B. Woodman R.F.	1976	J.Geophys.Res.	81	4621-4626	Radar studies of anomalous velocity reversals in the equatorial ionosphere.	EQe,Or
447	Fejer B.G. Gonzales C.A. Farley D.T. Kelley M.C. Woodman R.F.	1979	J.Geophys.Res.	84	5797-5813	Equatorial electric fields during magnetically disturbed conditions. 1. The effect of the interplanetary magnetic field.	EQe,Omr
471	Fejer B.G. Farley D.T. Johnston P. Balsley B.B.	1980	J.Geophys.Res.	85	191-196	Type I Radar echoes from the equatorial electrojet with double-peaked Doppler spectra.	EQi,Or
472	Fejer B.G. Kelley M.C.	1980	Rev. Geophys. 18 Space Phys.		401-454	Ionospheric irregularities.	EQi,R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
499	Fejer B.G.	1981	J.Atmos.Terr.Phys.	43	377-386	The equatorial ionospheric electric fields. A review.	EQe,R
528	Fejer B.G. Larsen M.F. Farley D.T.	1983	Geophys.Res.Lett.	10	537-540	Equatorial disturbance dynamo electric fields.	EQe,O ?
565	Fejer B.G.	1986	Book	Tokyo	519-545	Equatorial ionospheric electric fields associated with magnetospheric disturbances. [Book: "Solar Wind Magnetosphere Coupling", Terra Publishers]	EQe,Or
11	Fejer J.A.	1953	J.Atmos.Terr.Phys.	4	184-203	Semidiurnal currents and electron drifts in the ionosphere.	EQj,T
448	Fejer J.A.	1979	J.Atmos.Terr.Phys.	41	895-915	Ionospheric instabilities and fine structure.	EQi,R
385	Ferch R.L. Sudan R.N.	1977	J.Geophys.Res.	82	2283-	Numerical simulations of type 2 gradient drift irregularities in the equatorial electrojet.	EQi,Ts *
357	Forbes J.M. Lindzen R.S.	1976	J.Atmos.Terr.Phys.	38	897-910	Atmospheric solar tides and their electrodynamic effects.- I. The global Sq current system.	Pjw,T
358	Forbes J.M. Lindzen R.S.	1976	J.Atmos.Terr.Phys.	38	911-920	Atmospheric solar tides and their electrodynamic effects.- II. The equatorial electrojet.	EQjw,T
386	Forbes J.M. Lindzen R.S.	1977	J.Atmos.Terr.Phys.	39	1369-1377	Atmospheric solar tides and their electrodynamic effects. III. The polarisation Field.	EQw ?*
449	Forbes J.M. Garrett H.B.	1979	J.Geomag.Geoelect.	31	173-182	Solar tidal wind structures and the E-region Dynamo.	EQw ?*
500	Forbes J.M.	1981	Rev.Geophys.	19	469-504	The equatorial electrojet.	EQ,R *
566	Forbes J.M.	1986	J.Geophys.Res.	86	1551-1563	Tidal effects on D- and E-region ion chemistries.	EQw ?*
18	Forbush S.E. Vestine E.H.	1955	J.Geophys.Res.	60	299-316	Daytime enhancement of size of sudden commencements and initial phase of magnetic storms at Huancayo.	EQ *
48	Forbush S.E. Casaverde M.	1961	Carnegie Inst.	Pub 620	1-37	Equatorial Electrojet in Peru.	EQj,Om
359	Gagnepain J. Crochet M. Richmond A.D.	1976	J.Atmos.Terr.Phys.	38	279-286	Theory of longitudinal gradients in the equatorial electrojet.	EQej,T
387	Gagnepain J. Crochet M. Richmond A.D.	1977	J.Atmos.Terr.Phys.	39	1119-1124	Comparison of equatorial electrojet models.	EQn,Tm
432	Galperin Yu.I. Ponomarev V.N. Zosimova A.G.	1978	J.Geophys.Res.	83	4265-4272	Equatorial ionospheric anomaly and interplanetary magnetic field.	Pe,Os
116	Gassmann G.J. Wagner R.A.	1966	J.Geophys.Res.	71	1879-1890	On the equatorial electrojet.	EQjn,Omi
168	Gassmann G.J. Wagner R.A.	1969	J.Atmos.Terr.Phys.	31	781-792	North-south cross-sections of the equatorial electrojet in the Pacific and the effect of a solar eclipse.	EQjn,Oim



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
187	Geller M.	1970	J.Atmos.Sci.	27	202-218	An investigation of the lunar semidiurnal tide in the atmosphere.	EQw ?*
226	Geller M.	1972	J.Geophys.Res.	77	4896-4898	Comments on lunar variations in the peruvian electrojet.	EQej,Omr
307	Goldberg R.A. Aikin A.C. Krishna Murthy B.V	1974	J.Geophys.Res.	79	2473-2477	Ion composition and drift observations in the nighttime equatorial ionosphere.	EQn,Oc
308	Goldberg R.A.	1974	J.Geophys.Res.	79	5299-5303	Rocket observation of soft energetic particles at the magnetic equator.	EQn,Oc
450	Gonzales C.A.	1979	Cornell Univ.	PhD.Th.		Electric fields in the low latitude ionosphere and their relationship to magnetospheric and interplanetary phenomena.	??
451	Gonzales C.A. Kelley M.C. Fejer B.G. Vickrey J.F. Woodman R.F.	1979	J.Geophys.Res.	84	5803-5812	Equatorial electric fields during magnetically disturbed conditions. 2. Implications of simultaneous auroral and equatorial measurements.	EQe,Omr
529	Gonzales C.A. Kelley M.C. Behnke R.A. Vickrey J.F. Wand R. Holt J.	1983	J.Geophys.Res.	88	9135-	On the latitudinal variations of the ionospheric electric field during magnetospheric disturbances.	EQec,O ?*
103	Goodwin G.L.	1965	J.Atm.Terr.Phys.	27	777-793	Some aspects of direct backscatter echoes from sporadic-E.	EQi,Or
52	Gouin P.	1962	Nature	193	1145-1146	Reversal of the magnetic daily variation at Addis Ababa.	EQj,Om *
134	Gouin P. Mayaud P.N.	1967	Ann.Geophys.	23	41-47	A propos de l'existence possible d'un contre électrojet aux latitudes magnétiques équatoriales.	EQj,Om ?*
266	Gouin P.	1973	J.Atm.Terr.Phys.	35	1257-1264	Correlation of satellite estimates of the equatorial electrojet intensity with ground observations at Addis Ababa.	EQj,Osm
452	Greenwald R.A.	1979	J.Geophys.Res.	84	433-438	An alternative explanation of the Doppler spectra of current driven plasma instabilities.	EQi,T
188	Gupta J.C.	1970	J.Atm.Terr.Phys.	32	1159-1164	Daily variability of the equatorial electrojet current system.	EQj,Om
227	Gupta J.C. Malin S.R.C.	1972	Geo.J.R.Astr.Soc.	30	11-18	Seasonal variation in the solar and lunar daily geomagnetic variations.	EQ ?*
267	Gupta J.C.	1973	Pu.App.Geophys.	110	2076-2084	Movement of the Sq foci in 1958.	EQn *
268	Gupta J.C.	1973	Ann.Geophys.	29	49-60	On solar and lunar Equatorial Electrojets.	EQ ?*
269	Gupta K.S. Krishna Murthy B.V	1973	Plan.Space Sci.	21	2227-	Effects of E region electric fields on F region parameters at the magnetic equator.	EQec ?*
331	Gupta K.S. Krishna Murthy B.V	1975	J.Geomag.Geoelect.	27	131-	On the sudden disappearance of equatorial sporadic E.	EQn,Oi ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
388	Gupta S.P. Subbaraya B.H. Prakash S.	1977	Space Res.	17	399-402	Electron temperature in equatorial E-region during day and night.	EQ ?*
389	Gupta S.P. Prakash S. Subbaraya B.H.	1977	J.Geophys.Res.	43	681-	Spectral characteristics of cross field and two stream instability as revealed by rocket borne studies.	EQi, Oc ?*
390	Gupta S.P. Kist R.	1977	Phys.Res.Lab.R.	Ahmedabad	183-190	Study of plasma instabilities in a plasma chamber. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi, Oi
567	Gupta S.P.	1986	Plan.Space Sci.	34	1081-1085	Formation of sporadic E layers at low magnetic latitudes.	EQn, Oi
149	Hall S.H.	1968	J.AtM.Terr.Phys.	30	1293-1300	Contour maps of the equatorial electrojet.	EQj, Om
391	Hanuse C. Crochet M.	1977	J.AtM.Terr.Phys.	39	1097-1101	Multifrequency HF Radar studies of plasma instabilities in Africa.	EQi, Or *
433	Hanuse C. Crochet M.	1978	J.AtM.Terr.Phys.	40	49-59	Oblique HF Radar studies of plasma instabilities in the equatorial electrojet in Africa.	EQi, Ori *
453	Hanuse C. Crochet M.	1979	Book	Holland	149-159	Marginal plasma waves in the equatorial electrojet observed by HF coherent radar techniques.	EQi, Ori *
454	Hanuse C. Crochet M. Gouin P. Ghebrehbran Oguba.	1979	Ann.Geophys.	35	201-202	Radar observation of the equatorial counter electrojet.	EQi, Or *
501	Hanuse C.	1981	Univ. Toulon	Th.Doc.		Etude multifréquentielle des instabilités de plasma dans l'électrojet équatorial.	EQi ?*
502	Hanuse C. Crochet M.	1981	J.Geophys.Res.	86	3561-3566	5-50 m wavelength plasma instabilities in the equatorial electrojet. 1. Cross field conditions.	EQi, Ori
503	Hanuse C. Crochet M.	1981	J.Geophys.Res.	86	3567-3572	5-50 m wavelength plasma instabilities in the equatorial electrojet. 2. Two-stream conditions.	EQi, Ori
504	Hanuse C. Crochet M.	1981	J.Geophys.Res.	86	7761-7766	5- to 50-m wavelength plasma instabilities in the equatorial electrojet. 3. Counter electrojet conditions.	EQi, Ori
505	Hanuse C. Crochet M.	1981	URSI XX	Washington		Relative scattering cross-sections of plasma instabilities during electrojet and counter electrojet conditions.	EQi, Or *
530	Huba J.D. Lee L.C.	1983	Geophys.Res.Lett.	10	357-	Short wavelength stabilization of the gradient drift instability due to velocity shear.	EQi ?*
360	Hudson M.K. Balsley B.B.	1976	J.Geophys.Res.	81	5557-5561	Partial reflections from equatorial E region gradients.	EQne, Or
44	Hutton R.	1960	Nature	186	955-956	Regular micropulsations of the earth's field at the equator.	EQj, Om *
49	Hutton R. Wright R.W.H.	1961	J.AtM.Terr.Phys.	20	100-109	Diurnal variation of earth currents at the equator.	EQj, Om
53	Hutton R.	1962	Nature	195	269-270	Equatorial micropulsations and ionospheric disturbance currents.	EQj, Om *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
54	Hutton R.	1962	J.Atm.Terr.Phys.	24	673-680	The solar and lunar daily variations of earth currents near the magnetic equator.	EQjc,Om
73	Hutton R.	1963	J.Geophys.Res.	68	2403-2410	The S variation of earth currents near the magnetic equator, its seasonal changes, and its relation to variations of the magnetic field.	EQjc,Om
74	Hutton R.	1963	J.Geophys.Res.	68	2395-2402	The disturbance daily variation of the earth's field near the magnetic equator.	EQj,Om
135	Hutton R.	1967	J.Atm.Terr.Phys.	29	1429-1442	Sq currents in the american equatorial zone during the IGY-II. Day to day variability.	EQjc,Om
136	Hutton R.	1967	J.Atm.Terr.Phys.	29	1411-1427	Sq currents in the american equatorial zone during IGY-I. Seasonal effects.	EQjc,Om
189	Hutton R. Oyinloye J.O.	1970	Ann.Geophys.	26	921-926	The counter-electrojet in Nigeria.	EQj,Om ?*
392	Ierkic H.M. Fejer B.G. Farley D.T.	1977	Eos Trans.AGU	58	449-	Angular dependence of the scattering cross section of equatorial electrojet irregularities.	EQi,Or *
473	Ierkic H.M. Fejer B.G. Farley D.T.	1980	Geophys.Res.Lett.	7	497-500	The dependence on zenith angle of the strength of 3-meter equatorial electrojet irregularities.	EQi,Or
474	Ierkic H.M.	1980	Cornell Univ.	PhD.Th.		Radar observations of the equatorial electrojet irregularities and theory of type I turbulence.	EQi,Or,T
55	Ireland W. Mawdsley J.	1962	J.Geophys.Res.	67	2583-2585	Radio Echoes from field-aligned ionization at the magnetic equator.	EQi,Or
434	Jain A.R. Deshpande M.R. Sethia G. Rastogi R.G. Singh M. Gurm H.S. Janve A.V. Rai R.K.	1978	Indian J. Radio Space Phys.	7	254-261	Geomagnetic Storm Effects on Ionospheric Total Electron Content in Indian Zone - Part II : Evidence of Equatorial Electrojet Control through Fountain Effect.	EQn,Oi
475	Jain A.R.	1980	Indian J. Radio Space Phys.	9	35-39	Counter-Electrojet Associated Changes in the Equatorial Anomaly: Part I - Evidence of Reversal of Upward Drifts.	EQn,Oi
476	Jain A.R.	1980	Indian J. Radio Space Phys.	9	67-68	Counter-Electrojet Associated Changes in the Equatorial Anomaly : Part II - Jicamarca Radar Observations of Reversal of Upward Drift.	EQn,Oi
576	Jain A.R.	1987	Indian J. Radio Space Phys.	16	267-272	Reversal of $E \times B$ Drift & Post-Sunset Enhancement of the Ionospheric Total Electron Content at Equatorial Latitudes.	EQn,Oid
361	Jamin E. Kennel C.F.	1976	J.Geophys.Res.	81	4612-	Effects of parallel propagation on equatorial electrojet irregularities.	EQi,Or ?*
550	Jie Z.X. Lu X.N.	1985	J.Atm.Terr.Phys.	47	945-949	HF scattering induced by field-aligned irregularities in the equatorial E-region during total solar eclipses.	EQin,Or

**REFERENCES ON EQUATORIAL ELECTROJET**  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
332	John P.I. Saxena Y.C.	1975	Geophys.Res.Lett.	2	251-254	Observation of the Farley-Buneman instability in laboratory plasma.	EQi,OI
190	Joshi B.K. Koladia K.M.	1970	J.Atm.Terr.Phys.	32	1057-1066	Lunar tidal variations in the equatorial sporadic-E layer.	EQnc,Omi
208	Kamenetskaya G.Kh.	1971	Geomag.Aeronom.	11	71-75	Quasi linear theory of the formation of inhomogeneities in the equatorial electrojet.	EQi,T
506	Kamide Y. Matsushita S.	1981	J.Atm.Terr.Phys.	43	411-	Penetration of high-latitude electric fields into low latitudes.	EQe,T ?*
270	Kane R.P.	1973	J.Atm.Terr.Phys.	35	1249-1252	Comparison of geomagnetic changes in India and the POGO Data.	EQj,Os
271	Kane R.P.	1973	J.Atm.Terr.Phys.	35	1565-1567	An estimate of the equatorial electrojet strength.	EQj,Om
362	Kane R.P.	1976	Indian J.Space Phys.	5	6-12	Dilemma of the equatorial counter-electrojet and the disappearance of Esq.	EQj,OmC
393	Kane R.P. Rastogi R.G.	1977	Indian J.Space Phys.	6	85-101	Some characteristics of the equatorial electrojet in Ethiopia.	EQ ?*
477	Kane R.P. Trivedi N.B.	1980	J.Geophys.Res.	85	4705-4710	Implication of Z variations during a near-noon equatorial counter-electrojet on March 6, 1967 in the Indian zone.	EQj,Om
478	Kane R.P. Trivedi N.B.	1980	J.Atm.Terr.Phys.	42	303-305	Influence of northern and southern hemisphere Sq current systems on equatorial magnetic variations.	EQj ?*
520	Kane R.P. Trivedi N.B.	1982	J.Atm.Terr.Phys.	44	301-304	Are the equatorial electrojet and counterelectrojet centered invariably on the dip equator ?	EQj,Om
521	Kane R.P. Trivedi N.B.	1982	J.Atm.Terr.Phys.	44	785-792	Comparison of equatorial electrojet characteristics at Huancaayo and Eusebio (Fortaleza) in the south american region.	EQj,Om
21	Kato S.	1956	J.Geomag.Geoel.	8	24-37	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. II. Rotating earth.	EQ,T ?*
24	Kato S.	1957	J.Geomag.Geoel.	9	107-115	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. IV.	EQ,T ?*
75	Kato S.	1963	Plan.Space Sci.	11	1297-1302	Joule heating at the magnetic Equator.	EQj,Tm
137	Kato S. Hirata Y.	1967	Rep.Ion.Spa.Res	21	85-106	Electrostatic waves and ionization irregularities in the ionosphere.	EQei,Tm
150	Kato S. Matsushita S.	1968	J.Atm.Terr.Phys.	30	857-869	Space charge waves and ionospheric irregularities.	EQi,Tm
169	Kato S. Matsushita S.	1969	J.Atm.Terr.Phys.	31	193-196	Discussion on theories of movement of ionospheric irregularities.	EQi,T
272	Kato S.	1973	J.Geophys.Res.	78	757-762	Electric field and wind motion at the magnetic equator.	EQe,Oc
273	Kato S.	1973	J.Atm.Terr.Phys.	35	1073-1082	Movements of irregularities in the equatorial E-region. - A review.	EQew,Oc,R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
228	Kaw P.K.	1972	J.Geophys.Res.	77	1323-1326	Wave propagation effects on observation of irregularities in the equatorial electrojet.	EQi,T
309	Kaw P.K. Chalurnevi P.K. Ivanov A.A.	1974	J.Geophys.Res.	79	3802-3806	Electromagnetic effects on instabilities in the equatorial electrojet.	EQi,T *
394	Kelley M.C. Swartz W.E. Tayan Y. Torbert R.	1977	J.Atmos.Terr.Phys.	39	1263-1268	On the relationship between the plasma density profile measured in the equatorial E- and F-regions and simultaneous energetic particle and spread-F observations.	EQnc,Oc
455	Kelley M.C. Baker K.D. Ulwick J.C.	1979	Eos Trans.AGU	60	335-	AC electric field measurements in the equatorial electrojet.	EQe,O ?*
191	Kenesha T.J. Narcisi R.S. Swider W.	1970	J.Geophys.Res.	75	845-854	Diurnal model of the E-region.	EQ,Tm
151	Kent G.S. Wright R.W.H.	1968	J.Atmos.Terr.Phys.	30	657-691	Movements of ionospheric irregularities and atmospheric winds.	EQew,Oid
435	Keskinen M.J.	1978	Cornell Univ.	PhD.Th.		Numerical simulation and theory of strong ionospheric gradient drift turbulence.	EQi,Ts ?*
456	Keskinen M.J. Sudan R.N. Ferch R.L.	1979	J.Geophys.Res.	84	1419-1430	Temporal and spatial power spectrum studies of numerical simulations of type II gradient drift irregularities in the equatorial electrojet.	EQi,Ts
507	Keskinen M.J.	1981	Phys.Rev.Lett.	47	344-	Nonlinear stabilization of the Farley-Buneman instability by strong ExB turbulence in a plasma.	EQi,T *
436	Kikuchi T. Araki T. Maeda H. Maekawa K.	1978	Nature	273	650-	Transmission of ionospheric electric fields to the equator.	EQe,T ?*
457	Kikuchi T. Araki T.	1979	J.Atmos.Terr.Phys.	41	927-936	Horizontal transmission of the polar electric field to the equator.	Pe,T
76	Knapp D.G. Gellemy J.W.	1963	J.Geophys.Res.	68	2411-2420	A new longitude effect in the geomagnetic solar daily variation.	EQj,Om
33	Knecht R.W.	1959	J.Atmos.Terr.Phys.	14	348-349	An additional lunar influence on equatorial Es at Huancayo.	EQnc,Oi
56	Knecht R.W. McDuffie R.E.	1962	Book	New York	215-218	On the width of the equatorial Es belt. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQnj,Om
91	Knox F.B.	1964	J.Atmos.Terr.Phys.	26	239-249	A contribution to the theory of the production of field-aligned ionization irregularities in the equatorial electrojet.	EQi,Tm
57	Koladia K.M.	1962	J.Atmos.Terr.Phys.	24	211-218	The equatorial sporadic E-layer and the electrojet.	EQn,Oi
479	Krishna Moorthy K. Krishna Murthy B.V. Raghava Reddi C.	1980	Adv.Space Res.	8	205-208	Modelling of equatorial nighttime ionospheric scintillations. [COSPAR Symp.: Low Latitude Aeronom. Processes]	P,O,\$

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
568	Krishna Moorthy K. Krishna Murthy B.V	1986	J.Atm.Terr.Phys.	48	649-653	Drift speeds of equatorial electrojet irregularities of kilometre and metre sizes.	EQi,Ors
229	Krishna Murthy B.V Gupta K.S.	1972	Plan.Space Sci.	20	371-	Disappearance of equatorial E associated with magnetic field depressions.	EQ ?*
274	Krishna Murthy B.V Gupta K.S.	1973	Symposium	Konstanz	391-	Cross-field instability as a mechanism for equatorial E Region irregularities. [Proc.Symp.Methods of measurements and results of lower ionosphere,XVI COSPAR,FRG]	EQi ?*
395	Krishna Murthy B.V	1977	Phys.Res.Lab.R.	Ahmada- bad	145-155	Recent results of VHF backscatter radar experiment at Thumba. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,Or
522	Krishna Murthy B.V Krishna Moorthy K. Raghava Reddi C.	1982	Ann.Geophys.	38	153-161	Daytime equatorial ionospheric scintillations.	EQi,Or&i
569	Krishna Murthy B.V Krishna Moorthy K.	1986	Ann.Geophysicae	4	399-404	Effect of magnetic activity on equatorial ionospheric scintillations.	EQi,O\$
275	Krylov A.L. Soboleva T.N. Fishchuk D.I. Tsedilina Y.E. Shcherbakov V.P.	1973	Geomag.Aeronom.	13	400-404	Structure of the Equatorial Electrojet.	EQ,R ?*
523	Kudeki E. Farley D.T. Fejer B.G.	1982	Geophys.Res.Lett.	9	684-687	Long wavelength irregularities in the equatorial electrojet.	EQi,Or
531	Kudeki E.	1983	Cornell Univ.	PhD.Th.		Plasma turbulence in the equatorial electrojet.	EQi,Or,T
538	Kudeki E.	1984	URSI XXI	Italy		Radar studies of large scale plasma waves in the equatorial electrojet.	EQi,Or *
551	Kudeki E. Farley D.T. Fejer B.G.	1985	J.Geophys.Res.	90	429-436	Theory of spectral asymmetries and nonlinear currents in the equatorial electrojet.	EQi,T
577	Kudeki E. Fejer B.G. Farley D.T. Hanuise C.	1987	J.Geophys.Res.	92	13561- 13577	The Condor Equatorial Electrojet Campaign: Radar results.	EQi,Or
598	Farley D.T. Providakes J.F.	1989	J.Geophys.Res.	94	426-434	The variation with $T_e$ and $T_i$ of the velocity of unstable ionospheric two-stream waves.	EQi,Or,T *
524	Kulsrud R.M. Sudan R.N.	1982	C.P.P.& C.F.	7	47-	On Kraichman's 'Direct interaction Aproximation' and Kolmogoroff's theory in two-dimensional plasma turbulence.	EQi,T *
209	Lee K. Kennel C.F. Kindel J.M.	1971	Radio Sci.	6	209-213	High frequency Hall current instability.	EQi,T
230	Lee K. Kaw P.K. Kennel C.F.	1972	J.Geophys.Res.	77	4197-4208	External production and control of electrojet irregularities.	EQi,T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
276	Lee K. Kennel C.F.	1973	J.Geophys.Res.	78	4619-4629	Convective amplification of type I irregularities in the equatorial electrojet.	EQi,T
277	Lee K. Kennel C.F.	1973	Plan.Space Sci.	21	1339-	Effects of propagation parallel to the magnetic field on the type I electrojet irregularity instability.	EQi,T *
310	Lee K. Kennel C.F. Coroniti F.V.	1974	J.Geophys.Res.	79	249-266	On the marginally stable saturation spectrum of unstable type I equatorial electrojet irregularities.	EQi,T
539	Lunnen R.J. Lee H.S. Ferraro A.J. Collins T.W. Woodman R.F.	1984	Nature	311	134-	Detection of radiation from a heated and modulated equatorial electrojet current system.	EQj ?*
19	Maeda H.	1955	J.Geomag.Geoelect.	7	121-132	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. I. Non rotating earth.	EQjw,T ?*
25	Maeda H.	1957	J.Geomag.Geoelect.	9	86-93	Horizontal wind systems in the ionospheric E-region deduced from the dynamo theory of the geomagnetic Sq variation. III.	EQj,T ?*
6	Maeda K.	1952	J.Geomag.Geoelect.	4	63-82	Dynamo-theoretical conductivity and current in the ionosphere.	EQj,T *
77	Maeda K. Tsuda T. Maeda H.	1963	Phys.Rev.Lett.	11	406-407	Theoretical interpretation of the equatorial sporadic E-layers.	EQn,T *
117	Maeda K. Kato S.	1966	Spac.Sci.Rev.	5	57-79	Electrodynamics of the ionosphere.	GQ,R ?*
396	Maeda K.	1977	J.Atmos.Terr.Phys.	39	1041-1053	Conductivity and drifts in the ionosphere.	EQj,T
532	Maeda K.	1983	J.Atmos.Terr.Phys.	45	245-254	Lunar modulations of the equatorial electrojet.	EQjc,T
278	Marriott R.T. Schildge J.P. Venkateswaran S.V. Cain J.C.	1973	Symposium	Kyoto	41-53	The quiet-time equatorial counter electrojet. [S.L.L.Sat.S.]	EQji,Os*
12	Martyn D.F.	1953	Phil.Trans.Roy.S.	A246	306-320	Electric current in the ionosphere. III. Ionization drift due to winds and electric fields.	EQj,T
2	Matsushita S.	1951	J.Geomag.Geoelect.	3	44-46	Intense Es ionization near the magnetic equator.	EQnc,Oi *
7	Matsushita S.	1952	J.Geomag.Geoelect.	4	39-40	Semidiurnal lunar variation in sporadic E.	EQnc,Oi *
13	Matsushita S.	1953	J.Geomag.Geoelect.	5	109-135	Ionospheric variations associated with magnetic disturbances.	EQj,Omi *
14	Matsushita S.	1953	Rep.Ion.Res.Jap	7	45-52	Lunar tidal variations in the sporadic-E region.	EQnc,Oi *
26	Matsushita S.	1957	J.Atmos.Terr.Phys.	10	163-165	Lunar effects of the equatorial Es.	EQnc,Oi
58	Matsushita S.	1962	Book	New York	344-375	Interrelations of Sporadic E and Ionospheric Currents. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQjn,Omi,R

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
59	Matsushita S.	1962	Book	New York	194-214	Lunar tidal variations of sporadic E. [Book: "Ionospheric Sporadic E", Smith E.K. & Matsushita S. editors, Pergamon Press]	EQnc,Oi
152	Matsushita S.	1968	Geo.J.R.Astr.Soc.	15	109-125	Sq and L current systems in the ionosphere.	EQjn ?*
170	Matsushita S.	1969	Radio Sci.	4	771-780	Dynamo currents, winds and electric fields.	EQj ?*
192	Matsushita S. Tarpley J.D.	1970	J.Geophys.Res.	75	5433-5443	Effects of the dynamo region electric fields on the magnetosphere.	EQj,Tm
279	Matsushita S.	1973	J.Atm.Terr.Phys.	35	1027-1034	Solar and lunar tidal effects on the low latitude ionosphere - A review.	EQewc,R
397	Matsushita S.	1977	J.Atm.Terr.Phys.	39	1207-1215	IMFP effects on the equatorial geomagnetic field and ionosphere - a review.	P,R *
508	Matsushita S. Kamide Y.	1981	J.Atm.Terr.Phys.	43	403-	Electromagnetic interaction between high and low latitudes shown by computer simulation movie.	EQec,Ts ?*
78	Mayaud P.N.	1963	Ann.Geophys.	19	164-179	Electrojet equatorial et activite magnetique.	EQj,Om
138	Mayaud P.N.	1967	Ann.Geophys.	23	387-406	Correlation entre les variations journalieres du champs magnetique terrestre sous l'electrojet equatorial et dans les regions avoisinantes.	EQj,Om *
311	Mayaud P.N.	1974	J.Atm.Terr.Phys.	36	1367-1376	About the effects induced by the daily variation due to the equatorial electrojet.	EQjc,Om's
398	Mayaud P.N.	1977	J.Atm.Terr.Phys.	39	1055-1070	The equatorial counter-electrojet - a review of its geomagnetic aspects.	EQj,Om,R
104	Maynard N.C. Cahill L.J.	1965	J.Geophys.Res.	70	5923-5936	Measurement of the equatorial electrojet over India.	EQj,Oc
105	Maynard N.C. Cahill L.J.	1965	J.Geophys.Res.	70	5975-5978	Preliminary results of measurements of Sq currents and the equatorial electrojet near Peru.	EQj,Oms
106	Maynard N.C. Cahill L.J. Sastry T.S.G.	1965	J.Geophys.Res.	70	1241-1245	Preliminary results of measurements of the Equatorial Electrojet over India.	EQnj,Oc
139	Maynard N.C.	1967	J.Geophys.Res.	72	1863-1875	Measurements of ionospheric currents off the coast of Peru.	EQj,Oc
312	McDonald B.E. Coffey T.P. Ossakov S.L. Sudan R.N.	1974	J.Geophys.Res.	79	2551-2554	Preliminary report of numerical simulation of type II irregularities in the equatorial electrojet.	EQi,Ts
333	McDonald B.E. Coffey T.P. Ossakov S.L. Sudan R.N.	1975	Radio Sci.	10	247-254	Numerical studies of type 2 equatorial electrojet irregularity development.	EQi,Ts
210	Misra R.K. Chandra H. Rastogi R.G.	1971	J.Geomag.Geoelect.	23	181-186	Solar cycle effects in the electron drifts over the magnetic equator.	EQjn,Omi
399	Muralikrishna P.	1977	Phys.Res.Lab.R.	Ahmedabad	119-133	Radar studies of the Electrojet irregularities and the electric field structure. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQj,Omr



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
437	Muralikrishna P. Prakash S.	1978	J.Geomag.Geoel.	30	125-129	Height shift in radar echo from E-region around morning and evening reversals.	EQi ,Or *
588	Muralikrishna P. Abdu M.A.	1988	J.Geophys.Res.	93	1017-1022	Solar and magnetic declination control on the electrojet and distributed currents in the ionosphere over Jicamarca.	EQj ?*
400	Narayanan V.	1977	Phys.Res.Lab.R.	Ahmedabad	109-115	Is the Equatorial Electrojet influencing the Indian Monsoon ? [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQnc,Oc
458	Newman A.L.	1979	Cornell Univ.	PhD.Th.		Nonlinear simulations of type I irregularities in the equatorial electrojet.	EQi,Ts
509	Newman A.L. Ott E.	1981	J.Geophys.Res.	86	6879-	Nonlinear simulations of type 1 irregularities in the equatorial electrojet.	EQi,Ts *
79	Ogbuehi P.O. Onwumechilli C.A.	1963	J.Geophys.Res.	68	2421-2424	Recent Measurements of the magnetic field of the equatorial electrojet in Nigeria.	EQj,Om
92	Ogbuehi P.O. Onwumechilli C.A.	1964	J.Atm.Terr.Phys.	26	889-898	Daily and seasonal changes in the Equatorial Electrojet in Nigeria.	EQjc,Om *
107	Ogbuehi P.O. Onwumechilli C.A.	1965	J.Geophys.Res.	70	4909-4919	Seasonal studies of the equatorial electrojet during low solar activity.	EQj,Om
140	Ogbuehi P.O. Onwumechilli C.A. Ifedili S.O.	1967	J.Atm.Terr.Phys.	29	149-160	The equatorial electrojet and the world-wide Sq currents.	EQj,Om
280	Oni E.	1973	J.Atm.Terr.Phys.	35	1267-1271	On the correlation of the ground Data at Ibadan with POGO satellite results.	EQj,Os
34	Onwumechilli C.A. Alexander N.S.	1959	J.Atm.Terr.Phys.	16	115-123	Variations in the geomagnetic field at Ibadan, Nigeria. II. Lunar and luni-solar variations in H and Z.	EQj,Om
35	Onwumechilli C.A.	1959	J.Atm.Terr.Phys.	13	222-234	A study of the equatorial electrojet. I. An experimental study.	EQj,Om
36	Onwumechilli C.A.	1959	J.Atm.Terr.Phys.	16	274-282	The relation between H- and Z-variations near the equatorial electrojet.	EQj,Om
37	Onwumechilli C.A. Alexander N.S.	1959	J.Atm.Terr.Phys.	16	106-114	Variations in the geomagnetic field at Ibadan, Nigeria. I. Solar variations.	EQj,Om
38	Onwumechilli C.A.	1959	J.Atm.Terr.Phys.	13	235-257	A study of the equatorial electrojet. II. A model electrojet that fits H observations.	EQj,Om,Tm
39	Onwumechilli C.A.	1959	Nature	184	51-	Possible asymmetry in the Daily Range of the geomagnetic vertical intensity around the magnetic Equator.	EQj,Om *
45	Onwumechilli C.A.	1960	J.Atm.Terr.Phys.	17	286-294	Fluctuations in the geomagnetic horizontal field near the magnetic equator.	EQj,Om *
46	Onwumechilli C.A.	1960	J.Geophys.Res.	65	3433-3435	Lunar daily variation of the magnetic declination at Ibadan, Nigeria.	EQjc,Om *
60	Onwumechilli C.A. Ogbuehi P.O.	1962	J.Atm.Terr.Phys.	24	173-190	Fluctuations in the geomagnetic horizontal field.	EQj,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
80	Onwumechilli C.A.	1963	J.Geophys.Res.	68	2425-2433	Separation of the semidiurnal tidal effect on individual days and some equatorial features of the geomagnetic lunar tide.	EQjc,Om
81	Onwumechilli C.A.	1963	J.Atm.Terr.Phys.	25	55-70	Lunar effect on the diurnal variation of the geomagnetic horizontal field near the magnetic equator.	EQjc,Om *
93	Onwumechilli C.A.	1964	J.Atm.Terr.Phys.	26	729-748	On the existence of days with extraordinary geomagnetic lunar Tide.	EQjc,Om *
94	Onwumechilli C.A.	1964	J.Geophys.Res.	69	4015-4020	On the location of the effective equator for the F Region of the Ionosphere.	EQj ?*
95	Onwumechilli C.A.	1964	J.Geophys.Res.	69	5063-5073	The effective Equator for geomagnetic Sq variations.	EQj,Om *
108	Onwumechilli C.A.	1965	Symposium	Brazil	384-386	A three dimensional model of density distribution of ionospheric current causing part of quiet day geomagnetic variations. [Symp. Equatorial Aeronom., Sao Paulo]	EQj,Tm *
109	Onwumechilli C.A.	1965	Symposium	Brazil	387-390	The magnetic field of a current model for a part of geomagnetic Sq variation. [Symp. on Equatorial Aeronomy, Sao Paulo]	EQj *
110	Onwumechilli C.A. Ogbuehi P.O.	1965	Symposium	Brazil	411-412	Daily changes in the Equatorial Electrojet over India during the equinox of 1958. [Symp. on Equatorial Aeronomy, Sao Paulo]	EQj,Om *
111	Onwumechilli C.A. Ogbuehi P.O.	1965	Symposium	Brazil	413-414	Some recent analysis of the magnetic field of the Equatorial Electrojet. [Symp. on Equatorial Aeronomy, Sao Paulo]	EQj,R *
118	Onwumechilli C.A.	1966	Nigerian J.Sci.	1	11-19	A new model of the equatorial electrojet current.	EQj,Tm *
119	Onwumechilli C.A. Ogbuehi P.O.	1966	J.Geomag.Geoel.	18	455-465	Relative magnitudes of geomagnetic daily range measures near the dip equator.	EQj,Om ?*
120	Onwumechilli C.A.	1966	Ann.Geophys.		157-162	A three dimensional model of density distribution in ionospheric currents causing part of quiet day geomagnetic variations.	EQj,Tm *
121	Onwumechilli C.A.	1966	Ann.Geophys.		163-170	The magnetic field of a current model for part of geomagnetic Sq variations.	EQj ?*
141	Onwumechilli C.A. Ogbuehi P.O.	1967	J.Atm.Terr.Phys.	29	553-566	Analysis of the magnetic field of the equatorial electrojet.	EQj,Om
142	Onwumechilli C.A. Ogbuehi P.O.	1967	J.Geomag.Geoel.	19	15-22	Preliminary results on the equatorial electrojet in India.	EQj,Om *
143	Onwumechilli C.A.	1967	Book	New York	425-507	Geomagnetic variations in the equatorial zone. ["Physics of Geomagnetic Phenomena", ed. by Matsushita S. and Campbell, Academic Press]	EQj,R *
231	Onwumechilli C.A. Akasofu S.I.	1972	J.Geomag.Geoel.	24	161-173	On the abnormal depression of Sq(H) under the Equatorial Electrojet in the afternoon.	EQj,Om *
281	Onwumechilli C.A. Kawasaki A.K. Akasofu S.I.	1973	Plan.Space Sci.	21	1-16	Relationship between the equatorial electrojet and polar magnetic variations.	EQjc,Om

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
401	Onwumechilli C.A. Ezema P.O.	1977	J.Atm.Terr.Phys.	39	1079-1086	On the course of geomagnetic daily variation in low latitudes.	EQj,O ?*
480	Onwumechilli C.A. Agu C.E.	1980	Plan.Space Sci.	28	1125-1130	General features of the magnetic field of the equatorial electrojet measured by POGO satellites.	EQj,Os *
510	Onwumechilli C.A. Agu C.E.	1981	Plan.Space Sci.	29	627-634	Longitudinal variation of Equatorial Electrojet parameters derived from POGO satellite observations.	EQj,Os *
511	Onwumechilli C.A. Agu C.E.	1981	J.Atm.Terr.Phys.	43	573-578	The relationship between the current and the width of the Equatorial Electrojet.	EQj ?*
512	Onwumechilli C.A. Agu C.E.	1981	J.Atm.Terr.Phys.	43	801-807	Comparison of the POGO satellite and ground measurements of the magnetic field on the equatorial electrojet.	EQj,Osm *
525	Onwumechilli C.A. Agu C.E.	1982	Ann.Geophys.	38	307-313	Regional variations of equatorial Electrojet parameters.	EQj *
540	Onwumechilli C.A. Ezema P.O.	1984	J.Geomag.Geoelect.	36	97-111	A Profile study of Geomagnetic variations in the Nigerian Equatorial Electrojet Region.	EQj,Om ?*
552	Onwumechilli C.A.	1985	J.Geomag.Geoelect.	37	11-36	Satellite measurements of the Equatorial Electrojet.	EQj,Os *
553	Onwumechilli C.A. Ozoemena P.C.	1985	J.Geomag.Geoelect.	37	193-204	Latitudinal Extent of the Equatorial Electrojet.	EQj *
589	Onwumechilli C.A. Ozoemena P.C.	1988	Pu.App.Geophys.	131		Sub-solar elevation of the Equatorial Electrojet.	EQj ?*
599	Kudeki E. Farley D.T.	1989	J.Atm.Terr.Phys.	51	163-168	Aspect sensitivity of equatorial electrojet irregularities and theoretical implications.	EQn ?*
600	Onwumechilli C.A. Ozoemena P.C.	1989	J.Geomag.Geoelect.	41	443-459	Contours of Equatorial Electrojet current density.	EQj,Om *
601	Onwumechilli C.A. Ozoemena P.C. Agu C.E.	1989	J.Geomag.Geoelect.	41	461-467	Landmark values of Equatorial Electrojet current and magnetic field along a meridian near noon.	EQj *
61	Osborne D.G.	1962	J.Atm.Terr.Phys.	24	491-502	Position and movement of the equatorial electrojet over Ghana.	EQj,Om
82	Osborne D.G.	1963	J.Geophys.Res.	68	2435-2439	Daily variability in strength of the equatorial electrojet.	EQj,Om
83	Osborne D.G. Skinner N.J.	1963	J.Geophys.Res.	68	2441-2444	Equatorial drift and the electrojet.	EQje,Omd
96	Osborne D.G.	1964	J.Atm.Terr.Phys.	26	1097-1105	Daily and seasonal changes of the Equatorial Electrojet in Peru.	EQj,Om
122	Osborne D.G.	1966	J.Atm.Terr.Phys.	28	45-51	Correlations between quiet-day magnetic ranges.	EQjc,Om
282	Osborne D.G.	1973	J.Atm.Terr.Phys.	35	1273-1279	Electrojet measurements from satellite and ground.	EQj,Osm
334	Ossakov S.L. Papadopoulos K. Orens J. Coffey T.P.	1975	J.Geophys.Res.	80	141-148	Parallel propagation effects on the type I electrojet instability.	EQi,T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
313	Ott E. Farley D.T.	1974	J.Geophys.Res.	79	2469-2472	The k spectrum of ionospheric irregularities.	EQi,T
363	Oyinloye J.O. Akinrimisi J.	1976	J.Atmos.Terr.Phys.	38	149-154	Sporadic E velocity measurement - interpretation and application to ionospheric E-region electric field determination.	EQen,Oi
578	Ozoemena P.C. Onwumechilli C.A.	1987	J.Geomag.Geoelect.	39	625-636	Global variations of the POGO Electrojet parameters during the solstices.	EQj,Os *
590	Ozoemena P.C. Onwumechilli C.A.	1988	J.Atmos.Terr.Phys.	50	181-184	Diurnal variations of Equatorial Electrojet parameters derived from POGO solstitial data.	EQj,Os *
591	Ozoemena P.C. Onwumechilli C.A.	1988	Nigerian J.Phys	1	19-24	An empirical model that gives numerical estimates of the lateral dimensions of the equatorial Electrojet.	EQj ?*
541	Papamastorakis I. Haerendel G. Baumjohann W.	1984	J.Geophys.	54	213-	Local time dependence of the response of the equatorial electrojet to DP-2 and SI disturbances.	EQj,O ?*
513	Parameswaran K. Krishna Murthy B.V	1981	Indian J.Radio Space Phys.	10	61-64	Influence of Sporadic-E Irregularities on the Equatorial Lower Ionospheric Absorption.	EQnc,Oi
232	Park D.	1972	J.Geophys.Res.	77	6278-6279	Magnetic field of the equatorial electrojet.	EQj,T
526	Pfaff R.F. Kelley M.C. Fejer B.G. Maynard N.C. Baker K.D.	1982	Geophys.Res.Lett.	9	688-	In-situ measurements of wave electric fields in the equatorial electrojet.	EQe,Oc *
554	Pfaff R.F. Kelley M.C. Fejer B.G. Maynard N.C. Brace L.H. Ledley B.G. Smith L.G. Woodman R.F.	1985	J.Atmos.Terr.Phys.	47	791-811	Comparative in-situ studies of the unstable day-time equatorial E-region.	EQi,Orc
555	Pfaff R.F. Kelley M.C. Kudeki E. Baker K.D.	1985	Eos Trans.AGU	66	327-	In-situ observations of two-stream waves in the equatorial electrojet and their modulation by large scale waves.	EQi,Oc *
570	Pfaff R.F.	1986	Cornell Univ.	PhD.Th.		Rocket studies of plasma turbulence in the equatorial and auroral electrojets.	EQi,Oc,R
579	Pfaff R.F. Kelley M.C. Kudeki E. Fejer B.G. Baker K.D.	1987	J.Geophys.Res.	92	13578-11596	Electric field and plasma density measurements in the strongly driven daytime Equatorial Electrojet. 1. The unstable layer and gradient drift waves.	EQin,Ocd
580	Pfaff R.F. Kelley M.C. Kudeki E. Fejer B.G. Baker K.D.	1987	J.Geophys.Res.	92	13597-13612	Electric field and plasma density measurements in the strongly driven daytime Equatorial Electrojet. 2. Two-stream waves.	EQin,Oc

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
153	Prakash S. Subbaraya B.H. Gupta S.P.	1968	J.Atm.Terr.Phys.	30	1193-1202	A study of equatorial E-region during evening twilight using Langmuir probe.	EQn,Oc
171	Prakash S. Gupta S.P. Subbaraya B.H.	1969	Radio Sci.	4	791-796	Irregularities in the equatorial E-region over Thumba.	EQi,Oc
172	Prakash S. Subbaraya B.H. Gupta S.P.	1969	Space Res.	9	237-244	A study of the lower ionosphere over the geomagnetic equator Thumba using a Langmuir probe and plasma noise probe.	EQn,Oc ?*
193	Prakash S. Gupta S.P. Subbaraya B.H.	1970	Plan.Space Sci.	18	1307-1318	Nighttime equatorial E-region irregularities.	EQi,Oc ?*
211	Prakash S. Gupta S.P. Subbaraya B.H.	1971	Space Res.	11	1139-1145	Experimental evidence for cross-field instability in the equatorial ionosphere.	EQi,Oc
212	Prakash S. Gupta S.P. Subbaraya B.H. Jain C.L.	1971	Nat.Phys.Sci.	233	56-58	Electrostatic plasma instabilities in the equatorial electrojet.	EQi,Oc
213	Prakash S. Gupta S.P. Subbaraya B.H.	1971	Nat.Phys.Sci.	230	170-171	Cross field instability and ionisation irregularities in the equatorial E-region.	EQin,Oc
214	Prakash S. Subbaraya B.H. Gupta S.P.	1971	J.Atm.Terr.Phys.	33	129-135	Investigation of the day time lower ionosphere over the equator using Langmuir probe and plasma noise probe.	EQn,Oc
233	Prakash S. Subbaraya B.H. Gupta S.P.	1972	Indian J.Radio 1 Space Phys.		72-80	Rocket measurements of ionization irregularities in the equatorial ionosphere at Thumba and identification of plasma irregularities.	EQi,Oc
234	Prakash S. Subbaraya B.H. Gupta S.P.	1972	Aeronomy Rep.	48	359-	Electron density profiles in the equatorial lower ionosphere at Thumba.	EQn,Oc *
235	Prakash S. Gupta S.P. Subbaraya B.H. Jain C.L.	1972	Nature	233	58-	Electrostatic plasma instabilities in the equatorial electrojet.	EQ ?*
283	Prakash S. Gupta S.P. Subbaraya B.H. Sinha H.S.S. Jain C.L.	1973	Phys.Res.Lab.Rep	Ahmedabad		A review of the in situ measurements of the E-region irregularities.	EQi,Oc
314	Prakash S. Jain C.L. Balsley B.B. Greenwald R.A.	1974	J.Geophys.Res.	79	4334-4339	Evidence of two types of electron density irregularities in the electrojet over Thumba,India.	EQi,Or *
364	Prakash S. Gupta S.P. Sinha H.S.S. Rao T.R.	1976	Space Res.	16	401-405	Ionisation irregularities in the E-region during counter electrojet.	EQ ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
365	Prakash S. Muralikrishna P.	1976	Geophys.Res.Lett.	3	445-447	The nature of electric field in E-region close to morning and evening reversals.	EQ ?*
402	Prakash S. Rao T.R.	1977	Phys.Res.Lab.R.	Ahmedabad	167-173	E-Region electric fields during Counter Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQj,Om
403	Prakash S.	1977	Phys.Res.Lab.R.	Ahmedabad	177-182	Ionisation irregularities in the equatorial E-region, some outstanding problems. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,R
459	Prakash S. Pandey R.	1979	Pr.Indian Ac.Sci.	88A	229-245	Interaction of gravity waves with the ionospheric plasma and the production of electric fields and currents.	EQwe,Tm
460	Prakash S. Gupta S.P. Subbaraya B.H. Pandey R.	1979	Space Res.	19	279-282	Electric fields in the E-region during the counter electrojet.	EQj ?*
481	Prakash S. Pandey R.	1980	Adv.Space Res.	8	51-54	Interaction of gravity waves with the ionospheric E-region plasma and the excitation of plasma instabilities. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQwi ?*
482	Prakash S. Gupta S.P. Subbaraya B.H. Pandey R.	1980	Adv.Space Res.	8	3-	A review of the electron density irregularities in the equatorial D- and E-region. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQni,R ?*
483	Prakash S. Pandey R.	1980	Adv.Space Res.	8		Formation of the electron density layers in the equatorial E-region. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQn ?*
514	Prakash S. Muralikrishna P.	1981	J.Geophys.Res.	86	2095-	E and F region electric fields over the dip-equator.	EQe ?*
515	Prakash S. Pandey R. Pal S. Subbaraya B.H.	1981	URSI XX	Washington		Small scale irregularities in the equatorial electrojet.	EQi ?*
533	Prakash S. Pal S. Pandey R.	1983	Adv.Space Res.	2	93-96	Electric field and electron density measurements in the equatorial E-region.	EQne ?*
542	Prakash S. Pandey R.	1984	Pr.Indian Ac.Sci.	93	283-308	Rocketborne studies of electron density irregularities in the equatorial D- and E-region.	EQni,Oc
556	Prakash S. Pal S.	1985	J.Atm.Terr.Phys.	47	853-866	Electric fields and electron density irregularities in the equatorial electrojet.	EQie,Oc
557	Prakash S. Pandey R.	1985	J.Atm.Terr.Phys.	47	363-374	Generation of electric fields due to the gravity wave winds and their transmission to other ionospheric regions.	EQew,Tm
84	Price A.T. Wilkins G.A.	1963	Phil.Trans.Roy.S.	A256	31-98	New Method for the Analysis of geomagnetic field and their application to the Sq-field of 1932-33.	EQj,T *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
112	Price A.T.	1965	Symposium	Brazil	415-418	The effective conductivity of the equatorial ionosphere for the Sq current system. [Symp.on Equatorial Aeronomie, Ed. F. de Mendonca, Sao Paulo]	EQj *
404	Raghava Reddi C. Krishna Murthy B.V Krishna Moorthy K.	1977	Phys.Res.Lab.R.	Ahmeda- bad	225-226	Electrojet irregularities causing scintillations of satellite signals. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,O\$
484	Raghava Reddi C. Krishna Moorthy K. Krishna Murthy B.V	1980	Radio Sci.	15	1001-1007	Signal statistics of equatorial nighttime ionospheric scintillations.	P,O\$r
405	Raghavarao R. Anandarao B.G.	1977	Phys.Res.Lab.R.	Ahmeda- bad	227-241	Effects of zonal and vertical winds on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQw,T
485	Raghavarao R. Anandarao B.G.	1980	Geophys.Res.Lett.	7	357-360	Vertical winds as a plausible cause for equatorial counter electrojet.	EQw ?*
30	Raja Rao K.S. Sivaraman K.R.	1958	J.Geophys.Res.	63	727-730	Lunar geomagnetic tides at Kodaikanal.	EQ *
173	Raja Rao K.S.	1969	J.Atm.Terr.Phys.	31	299-306	On the Dst field in the equatorial electrojet region.	EQj,Om
406	Rajaram Girija	1977	Phys.Res.Lab.R.	Ahmeda- bad	83-98	Geomagnetic storm effects on the low-latitude ionosphere. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjnc,Omi
15	Rangarajan S.	1954	J.Geophys.Res.	59	239-264	The sporadic E layer at Kodaikanal.	EQn,Oi *
62	Rastogi R.G.	1962	J.Atm.Terr.Phys.	24	1031-1040	Longitudinal variation in the equatorial electrojet.	EQjc,Om
85	Rastogi R.G.	1963	J.Geophys.Res.	68	2445-2451	Lunar tidal variations in the equatorial electrojet current.	EQjc,Om
123	Rastogi R.G. Trivedi N.B. Kaushika N.D.	1966	J.Atm.Terr.Phys.	28	131-136	Night-time sudden commencements in H within the equatorial electrojet region.	EQj,Om
124	Rastogi R.G. Deshpande M.R. Kaushika N.D.	1966	J.Atm.Terr.Phys.	28	137-140	Ionospheric E-region drift measurements over the magnetic equator in India.	EQe,Oid
194	Rastogi R.G. Trivedi N.B.	1970	Plan.Space Sci.	18	367-377	Lunar and solar tides in H stations within the Equatorial Electrojet.	EQj,Om ?*
215	Rastogi R.G. Chandra H. Chakravarty S.C.	1971	Pr.Indian Ac.Sci.	74	62-67	The disappearance of equatorial Es and the reversal of electrojet current.	EQjn,Oi
216	Rastogi R.G. Chandra H. Misra R.K.	1971	Nat.Phys.Sci.	233	13-15	Effect of magnetic activity on electron drifts in equatorial electrojet region.	EQjn,Omi
236	Rastogi R.G.	1972	J.Geomag.Geoel.	24	429-440	Equatorial sporadic E layer during geomagnetic storms.	EQn,Oim
237	Rastogi R.G.	1972	Pr.Indian Ac.Sci.	56	181-194	Equatorial sporadic E and cross-field instability.	EQni,Oim

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
238	Rastogi R.G. Chandra H. Sharma R.P. Ginija Rajaram	1972	Indian J. Radio Space Phys.	1	119-135	Ground-based measurements of ionospheric phenomena associated with the equatorial electrojet.	EQjnc,Oimd
239	Rastogi R.G.	1972	Ann.Geophys.	28	717-728	Sudden disappearance of Esq and the reversal of the equatorial electric fields.	EQn,Oim
240	Rastogi R.G.	1972	Nat.Phys.Sci.	237	73-75	Equatorial sporadic E and plasma instabilities.	EQni,Oic
241	Rastogi R.G. Chandra H. Misra R.K.	1972	Space Res.	12	983-992	Features of the ionospheric drift over the magnetic equator.	EQj,Omd
284	Rastogi R.G.	1973	Plan.Space Sci.	21	1355-1365	Counter equatorial electrojet currents in the Indian zone.	EQjc,Om
285	Rastogi R.G.	1973	Plan.Space Sci.	21	197-203	Esq-layer at Huancayo during the march 1970 geomagnetic storm.	EQnw,Oi
286	Rastogi R.G.	1973	J.AtM.Terr.Phys.	35	367-371	Equatorial sporadic E and the electric field.	EQe,Orm
315	Rastogi R.G.	1974	Pr.Indian Ac.Sci.	80	257-267	Some remarks on the equatorial sporadic E layer at Kodaikanal.	EQn,Oi
316	Rastogi R.G.	1974	J.Geophys.Res.	79	1503-1512	Westward equatorial electrojet during daytime hours.	EQj,Omi
317	Rastogi R.G.	1974	J.AtM.Terr.Phys.	36	167-170	Lunar effects in the counter electrojet near the magnetic equator.	EQjc,Om
335	Rastogi R.G.	1975	Pr.Indian Ac.Sci.	81	80-92	On the simultaneous existence of eastward and westward flowing equatorial electrojet currents.	EQnj,Oim
336	Rastogi R.G. Patel V.L.	1975	Pr.Indian Ac.Sci.	82	121-141	Effect of interplanetary magnetic field on ionosphere over the magnetic equator.	EQj,Om *
366	Rastogi R.G.	1976	Ann.Geophys.	32	203-214	VHF backscattering from ionospheric E region irregularities near the magnetic equator.	EQin,Ori
367	Rastogi R.G. Iyer K.N.	1976	J.Geomag.Geoel.	28	461-479	Quiet day variation of geomagnetic H-field at low latitudes.	EQj,Om ?*
407	Rastogi R.G.	1977	Indian J. Radio Space Phys.	6	102-109	Sporadic E at Huancayo during minimum sunspot years.	EQn,Oi
438	Rastogi R.G. Woodman R.F. Hedgecock P.C.	1978	J.AtM.Terr.Phys.	40	867-869	Correlated changes in the equatorial electrojet and in the interplanetary magnetic field during a geomagnetic storm.	EQjc,Omsr
534	Rastogi R.G.	1983	J.AtM.Terr.Phys.	45	719-728	Equatorial electrojet and radio scintillations.	EQn,Oi\$
571	Rastogi R.G. Asha Patil	1986	Current Sci.	55	433-436	Complex structure of equatorial electrojet current.	EQj,Om
287	Reddy C.A. Devasia C.V.	1973	Plan.Space Sci.	21	811-	Formation of blanketing sporadic E-layers at the magnetic equator due to horizontal wind shears.	EQn,Oi ?*
318	Reddy C.A.	1974	Space Res.	16	721-	Effects of neutral wind variations on the plasma instabilities in the equatorial electrojet.	EQi ?*



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
368	Reddy C.A. Devasia C.V.	1976	Nature	261	396-397	Short period fluctuations of the equatorial electrojet.	EQi,Or
369	Reddy C.A. Somayajulu V.V.	1976	Symposium	Townsville		Bay type disturbances in the equatorial electrojet. [Proc.Symp. Equatorial Aeronomy, Australia]	EQ ?*
408	Reddy C.A. Devasia C.V.	1977	Phys.Res.Lab.R.	Ahmedabad	243-255	Effects of winds and waves on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQw,T
409	Reddy C.A.	1977	Phys.Res.Lab.R.	Ahmedabad	267-269	Future on Equatorial Electrojet and associated phenomena. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,R
410	Reddy C.A. Devasia C.V.	1977	J.Geophys.Res.	82	125-128	VHF Radar observations of gradient instabilities associated with blanketing Es layers in the equatorial electrojet.	EQin,Ori
411	Reddy C.A.	1977	J.Sci.Ind.Res.	36	580-589	The Equatorial Electrojet and the Associated Plasma Instabilities.	EQi,R
439	Reddy C.A. Devasia C.V.	1978	Nature	273	195-199	Equivalent circuit analysis of neutral wind effects on equatorial electrojet.	EQw,Tm
461	Reddy C.A. Somayajulu V.V. Devasia C.V.	1979	J.Atmos.Terr.Phys.	41	189-201	Global scale electrodynamic coupling of the auroral and equatorial dynamo regions.	EQjc,Omr
462	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1979	Nature	281	471-474	Ionospheric-magnetospheric contributions to storm time magnetic field changes near dip equator.	EQji,Omr
486	Reddy C.A. Cherian P.J. Somayajulu V.V.	1980	Adv.Space Res.	8	21-24	Rocket measurements of electron densities in the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQn,Oc
487	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1980	Adv.Space Res.	8	29-32	The lunar phase and the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQji,Omr
488	Reddy C.A. Devasia C.V. Somayajulu V.V.	1980	Adv.Space Res.	8	39-42	Electrodynamic coupling of auroral and equatorial dynamo regions - II. Quiet days. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQjc,Omr
489	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1980	Adv.Space Res.	8	47-50	Ionospheric and magnetospheric contributions to low latitude geomagnetic field variations during a magnetic storm. [COSPAR Symp.: Low Latitude Aeronomic. Process]	EQji,Omr
516	Reddy C.A. Devasia C.V.	1981	J.Geophys.Res.	86	5751-5767	Height and latitude structure of electric fields and currents due to local east-west winds in the equatorial electrojet.	EQew,T
517	Reddy C.A.	1981	J.Atmos.Terr.Phys.	43	557-571	The equatorial electrojet: a review of the ionospheric and geomagnetic effect.	EQe,R *
518	Reddy C.A. Somayajulu V.V. Viswanathan K.S.	1981	J.Atmos.Terr.Phys.	43	817-827	Backscatter radar measurements of storm-time electric field changes in the equatorial electrojet.	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
572	Reddy C.A.	1986	Indian J. Radio Space Phys.	15	247-	The equatorial ionosphere.	EQi ?*
581	Reddy C.A. Vikramkumar B.T. Viswanathan K.S.	1987	J. Atm. Terr. Phys.	49	183-191	Electric fields and currents in the equatorial electrojet deduced from VHF radar observations - I. A method of estimating electric fields.	EQej, Or, T
592	Reddy C.A. Ajith Kumar S. Somayajulu V.V.	1988	Plan. Space Sci.	36	1149-	An observational test for the ionospheric or magnetospheric origin of night-time geomagnetic positive bays at low and mid latitudes.	EQj, Om
593	Reddy C.A. Ajith Kumar S. Somayajulu V.V.	1988	Plan. Space Sci.	36	1149-	An observational test for the ionospheric or magnetospheric origin of night time geomagnetic positive bays at low and mid latitudes.	EQ ?*
370	Rees D. Bhavsar P.D. Desai J.N. Gupta S.P. Farmer A.D. Rounce P.	1976	Space Res.	16	407-412	Preliminary report on the Commonwealth collaborative rocket program from Thumba equat. rocket launching for the investig. of atmos- and ionospheric processes.	EQn, Oc
154	Reid G.C.	1968	J. Geophys. Res.	73	1627-1640	The formation of small-scale irregularities in the ionosphere.	EQi, T
288	Richmond A.D.	1973	J. Atm. Terr. Phys.	35	1083-1103	Equatorial electrojet. I- Development of a model including winds and instabilities.	EQj, Tm, R
289	Richmond A.D.	1973	J. Atm. Terr. Phys.	35	1105-1118	Equatorial electrojet. II- Use of the model to study the equatorial ionosphere.	EQj, Tm, Om
371	Richmond A.D. Matsushita S. Tarpley J.D.	1976	J. Geophys. Res.	81	547-	On the production mechanism of electric currents and fields in the ionosphere.	EQj, T ?*
463	Richmond A.D.	1979	J. Geophys. Res.	84	1880-1890	Large-amplitude gravity wave energy production and dissipation in the thermosphere.	Pw, Ts
195	Rogister A. D'Angelo N.	1970	J. Geophys. Res.	75	3879-3887	Type II irregularities in the equatorial electrojet.	EQi, T
217	Rogister A.	1971	J. Geophys. Res.	76	7754-7760	Nonlinear theory of type I irregularities in the equatorial electrojet.	EQi, T
242	Rogister A. D'Angelo N.	1972	J. Geophys. Res.	77	6298-6299	On the origin of small-scale type II irregularities in the equatorial electrojet.	EQi, T
243	Rogister A.	1972	J. Geophys. Res.	77	2975-2981	Nonlinear theory of cross-field instability with applications to the equatorial electrojet.	EQi, T
337	Rogister A. Jamin E.	1975	J. Geophys. Res.	80	1820-1828	Two-dimensional nonlinear processes associated with type 1 irregularities in the equatorial electrojet.	EQi, T
290	Rognlien T.D. Weinstock J.	1973	J. Geophys. Res.	78	6808-6810	Nonlinear saturation of the gradient drift instability in the equatorial electrojet.	EQi, T
319	Rognlien T.D. Weinstock J.	1974	J. Geophys. Res.	79	4733-4746	Theory of the nonlinear spectrum of the gradient drift instability in the equatorial electrojet.	EQi, T
338	Rognlien T.D. Weinstock J.	1975	Radio Sci.	10	239-246	Theoretical properties of two-dimensional electrojet turbulence.	EQi, T

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
155	Romero C.A. Giesecke A.A. Perez O.	1968	Symposium	Norway		VHF ionospheric scatter propagation via the equatorial electrojet. [AGARD/EPC Symposium, Sandefjord - Norway]	EQi,Or
156	Romero C.A.	1968	Symposium	Brasil		Effect of the total solar eclipse of november 12, 1966 on the behavior of a VHF ionospheric forward scattering propagation in the equatorial electrojet. [Solar Eclipse Symp., Sao Jose dos Campos, Brasil]	EQi,Or
157	Romero C.A. Giesecke A.A. Perez O.	1968	Inst.Geofis.Peru		1-23	Propagación de Ondas de Radio en VHF por Dispersión Ionosférica en el Electrochorro Ecuatorial.- Informe Preliminar.	EQi,Orm
291	Roquet J.	1973	J.Atm.Terr.Phys.	35	1159-1170	Etude des variations geomagnétiques UBF en liaison avec l'électrojet équatorial (Campagne magnétique Tchad - République Centrafricaine).	EQj,Om
527	Royrvik O.	1982	J.Geophys.Res.	87	8338-	Drift and aspect sensitivity of scattering irregularities in the upper equatorial E region.	EQi,O ?*
292	Rush C.M. Richmond A.D.	1973	J.Atm.Terr.Phys.	35	1171-1180	The relationship between the structure of the equatorial anomaly and the strength of the equatorial electrojet.	EQnj,Omi
320	Sampath S. Sastry T.S.G. Oyama K. Hirao K.	1974	Space Res.	14	253-	Joule heating due to the equatorial electrojet as observed by rocketborne probes.	EQ,Oc ?*
464	Sampath S. Sastry T.S.G.	1979	J.Geomag.Geoelect.	31	391-	AC electric fields associated with the plasma instabilities in the equatorial electrojet.	EQi,O ?*
412	Sartiel J.	1977	Univ. Paris 6	Th.Doc.		Champs électriques dans la region de l'électrojet équatorial.	EQe ?*
158	Sastry T.S.G.	1968	J.Geophys.Res.	73	1789-1794	Quiet day electrojet over Thumba, India.	EQj,Omc
196	Sastry T.S.G.	1970	Space.Res.	10	778-785	Diurnal change in parameters of the equatorial electrojet as observed by rocket borne magnetometers.	EQj,Ocm ?*
218	Sastry T.S.G.	1971	G.B.Geophysik	80	253-	Night time ionospheric currents in the region of the equatorial electrojet.	EQj ?*
293	Sastry T.S.G.	1973	J.Geophys.Res.	78	1962-	Daily variation of geomagnetic field at the indian Stations under the electrojet during the period of the July 1966 proton flare.	EQj ?*
413	Sastry T.S.G. Burrows K. Sampath S. Stolarik J.D. Usher M.J.	1977	Space Res.	17	409-410	Day to day variability of the Equatorial Electrojet as observed by rocket-borne magnetometers.	EQj,Oc *
✓ 144	Sato T. Tsuda T.	1967	Phys.Fluids	10	1262-1268	Computer study of nonlinear cross-field instability.	EQi,Ts
219	Sato T.	1971	Phys.Fluids	14	2426-2435	Nonlinear theory of the cross-field instability: explosive mode coupling.	EQi,T *

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
244	Sato T.	1972	Phys.Rev.Lett.	28	732-734	Stabilization of the two-stream instability in the equatorial electrojet.	EQi,T *
294	Sato T.	1973	J.Geophys.Res.	78	2232-2243	Unified theory of type I and II irregularities in the equatorial electrojet.	EQi,T
339	Sato T.	1975	J.Geophys.Res.	80	2835-2838	Neutral winds and electrojet irregularities.	EQiw,T
372	Sato T. Ogawa T.	1976	J.Geophys.Res.	81	3248-	Self-consistent studies of two-dimensional large scale (-100 m) electrojet irregularities.	EQi,T *
373	Sato T.	1976	J.Geophys.Res.	81	539-	On mechanisms governing the electrojet plasma instabilities.	EQi,T *
414	Sato T.	1977	J.Geophys.Res.	82	5195-5200	Auroral and equatorial two-stream irregularities: difference in nonlinear state.	EQi,T
295	Schildge J.P. Venkateswaran S.V. Richmond A.D.	1973	J.AtM.Terr.Phys.	35	1045-1061	The ionospheric dynamo and equatorial magnetic variations.	EQjw,Ts
321	Schildge J.P.	1974	Univ.California	PhD.Th.		Quiet time currents and electric fields produced by the ionospheric dynamo.	EQj,Om,T *
296	Schmidt M.J. Gary S.P.	1973	J.Geophys.Res.	78	8261-8265	Density gradients and the Farley-Buneman instability.	Pi,T
245	Sen A. Kaw P.K.	1972	J.Geophys.Res.	77	6875-6880	Anomalous absorption of radio waves by electrojet irregularities.	EQi,T
415	Sharma P. Raghavarao R.	1977	Phys.Res.Lab.R.	Ahmedabad	99-108	Equatorial Electrojet and the topside ionosphere. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjnc,Os
197	Shuman B.M.	1970	J.Geophys.Res.	75	3889-3901	Rocket measurement of the equatorial electrojet.	EQj,Oc
86	Simon A.	1963	Phys.Fluids	6	382-388	Instability of partially ionized plasma in crossed electric and magnetic fields.	EQi,T
3	Singer S.F. Maple E. Bowen W.A.	1951	J.Geophys.Res.	56	265-281	Evidence for ionospheric currents from rocket experiments near the geomagnetic equator.	EQj,Oc *
8	Singer S.F. Maple E. Bowen W.A.	1952	Nature	4339	1093-1094	Dynamo currents and conductivities in the earth's upper atmosphere.	EQj,Oc
594	Singh A. Cole K.D.	1988	J.AtM.Terr.Phys.	50	639-648	Altitude and latitude dependence of the equatorial electrojet.	EQn,Oc,T
595	Onwumechilli C.A. Agu C.E. Ozoemena P.C.	1988	J.AtM.Terr.Phys.	50	1093-1098	Effect of Equatorial Electrojet intensity on its landmark distances.	EQnj,Oc,T
416	Singh B.P.	1977	Phys.Res.Lab.R.	Ahmedabad	39-50	Surface structure and the Equatorial Electrojet. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjc,Om
465	Singh M. Gurm H.S. Jain A.R.	1979	Indian Space Phys.	J.Radio 8	44-46	Equatorial electrojet & total electron content anomaly.	EQn,Oim

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
582	Sinha H.S.S. Prakash S.	1987	Indian J.Radio Space Phys.	16	102-	Rocket observations of E-region ionization irregularities produced through cross-field instability mechanism current status.	EQi ?*
174	Skadron G. Woinstonock J.	1969	J.Geophys.Res.	74	5113-5126	Nonlinear stabilization of a two-stream plasma instability in the ionosphere.	EQi,T
27	Skinner N.J. Wright R.W.H.	1957	Proc.Phys.Soc.	B70	833-839	The effect of the equatorial electrojet on the ionospheric Es and F2 layers.	EQjn *
246	Sleeper A.M. Weinstock J.	1972	Phys.Fluids	15	1507-1514	Nonlinear theory of density fluctuations in turbulent plasmas.	EQi,T*
558	Smith L.G. Royrvik O.	1985	J.AtM.Terr.Phys.	47	813-824	Electron density irregularities in the day-time equatorial ionosphere.	EQi,Oc
490	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1980	Adv.Space Res.	8	25-28	VHF Radar observations of possible gravity wave generated electric fields in the equatorial electrojet. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQi,Or
559	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1985	Geophys.Res.Lett.	12	473-475	Simultaneous electric field changes in the equatorial electrojet in phase with polar cusp latitude changes during a magnetic storm.	EQec ?
583	Somayajulu V.V. Reddy C.A. Viswanathan K.S.	1987	Geophys.Res.Lett.	14	876-879	Penetration of magnetospheric convective electric field to the equatorial ionosphere during the substorm of March 22, 1979.	EQe,Orm
584	Somayajulu V.V. Viswanathan K.S.	1987	Indian J.Radio Space Phys.	16	380-383	VHF Radar Observations during Equatorial Counter Electrojet Events.	EQj,Orim
596	Singh A. Cole K.D.	1988	J.Geomag.Geoelect.	40	111-130	Electrodynamic effects of metal ions in the noon equatorial E-region.	EQj,Om
560	Sridharan R. Raghavarao R. Pokhunkov A.A. Varfolomeev V.A.	1985	J.AtM.Terr.Phys.	47	1081-1084	Relative ion composition variation over the dip equator - a comparison of measurements with IRI.	EQn,Oc
417	Srivastava B.J.	1977	Phys.Res.Lab.R.	Ahmedabad	27-37	Anomalous geomagnetic variations at Electrojet Stations in India due to coastal and 'subsurface' causes. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQjc,Om
247	Srivastava S.K. Pradhan S.M. Tantry B.A.	1972	J.AtM.Terr.Phys.	34	1991-1998	Focussing of radio waves from Es irregularities.	EQin,Oi
573	St.Maurice J.P. Hanuise C. Kudeki E.	1986	J.Geophys.Res.	91	13493-505	On the dependence of the phase velocity of equatorial irregularities on the polarization electric field and theoretical implications.	EQi,Or
175	Stening R.J.	1969	Plan.Space Sci.	17	889-908	An assessment of the contributions of various tidal winds to the Sq current system.	EQjw ?*
297	Stening R.J.	1973	Plan.Space Sci.	21	1897-1910	The electrostatic field in the ionosphere.	EQe ?*
418	Stening R.J.	1977	J.AtM.Terr.Phys.	39	157-164	Electron density profile changes associated with the equatorial electrojet.	EQjn,Omi

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
419	Stening R.J.	1977	J.Atm.Terr.Phys.	39	1071-1077	Magnetic variations at other latitudes during reverse equatorial electrojet.	EQj,Om
561	Stening R.J.	1985	J.Geophys.Res.	90	1705-1719	Modeling the equatorial electrojet.	EQ,Tm *
574	Stening R.J.	1986	J.Atm.Terr.Phys.	48	163-170	Interrelations between current and electron density profiles in the equatorial electrojet and effects of neutral density changes.	EQjn,T
220	Subbaraya B.H. Prakash S. Gupta S.P.	1971	Indian J. Pure Appl. Phys.	9	626-630	Nighttime E-region at Thumba.	EQn,Ot
248	Subbaraya B.H. Muralikrishna P. Sastry T.S.G. Prakash S.	1972	Plan.Space Sci.	20	47-52	A study of the structure of electrical conductivities and the electrostatic field within the equatorial electrojet.	EQjn,Om
322	Subbaraya B.H. Prakash S. Gupta S.P.	1974	Plan.Space Sci.	22	180-	Electron temperature in the equatorial electrojet region.	EQ ?*
420	Subbaraya B.H.	1977	Phys.Res.Lab.R.	Ahmedabad	135-143	Models on the Equatorial Electrojet. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQ,Tm
535	Subbaraya B.H. Prakash S. Gupta S.P.	1983	Ind.Sp.Res.Org.			Electron densities in the equatorial lower ionosphere from the langmuir Probe experiments conducted at Thumba during the years 1966-1978. [ISRO-PRL-SR. 15-83]	EQ,Oct,R
543	Subbaraya B.H. Prakash S. Gupta S.P.	1984	Adv.Space Res.	3		Electron densities in the equatorial lower ionosphere from the Thumba Langmuir probe experiments.	EQn,Oc *
562	Subbaraya B.H. Prakash S. Gupta S.P.	1985	Adv.Space Res.	5	35-38	Structure of the equatorial lower ionosphere from the Thumba Langmuir probe experiment.	EQn,Oc
298	Sudan R.N. Akinrimisi J. Farley D.T.	1973	J.Geophys.Res.	78	240-248	Generation of small-scale irregularities in the equatorial electrojet.	EQi,T *
421	Sudan R.N. Keskinen M.J.	1977	Phys.Rev.Lett.	38	966-	Theory of strongly turbulent two-dimensional convection of low pressure plasma.	EQi,T *
466	Sudan R.N. Keskinen M.J.	1979	Phys.Fluids	22	2305-	Theory of strongly turbulent two-dimensional convection of low-pressure plasma.	EQi,T *
536	Sudan R.N.	1983	J.Geophys.Res.	88	4853-	Unified theory of type I and type II irregularities in the equatorial electrojet.	EQi,T *
537	Sudan R.N.	1983	Geophys.Res.Lett.	10	983-	Nonlinear theory of type I irregularities in the equatorial electrojet.	EQi,T *
544	Sudan R.N. Keskinen M.J.	1984	J.Geophys.Res.	89	9840-9844	Unified theory of the power spectrum of intermediate wavelength ionospheric electron density fluctuations.	EQi,T
125	Sugiura M. Cain J.C.	1966	J.Geophys.Res.	71	1869-1877	A model equatorial electrojet.	EQj,Tm

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
176	Sugiura M. Poros D.J.	1969	J.Geophys.Res.	74	4025-4034	An improved model equatorial electrojet with a meridional current system.	EQj,Tm
422	Tabbagh J. Carter D.A. Balsley B.B. Broche P. Crochet M.	1977	J.Atm.Terr.Phys.	39	1035-1039	Irregularity drift velocities in the equatorial electrojet observed by both the close-spaced antenna technique and the Doppler Radar method.	EQie,Or
177	Tarpley J.D.	1969	Univ.Colorado	PhD.Th.		The ionospheric wind dynamo.	EQj,R ?*
198	Tarpley J.D.	1970	Plan.Space Sci.	18	1091-1103	The ionospheric wind dynamo. II. Solar tides.	EQj ?*
249	Tarpley J.D. Balsley B.B.	1972	J.Geophys.Res.	77	1951-1960	Lunar variations in the peruvian electrojet.	EQejc,Orm
299	Tarpley J.D.	1973	J.Atm.Terr.Phys.	35	1063-1071	Seasonal movement of the Sq current loci and related effects in the equatorial electrojet.	EQjc,Om
423	Thakur N.K. Nityananda N. Singh B.P.	1977	Phys.Res.Lab.R.	Ahmedabad	69-79	Geomagnetic variations at Port Blair and associated anomalies. [Workshop on Equatorial Electrojet and associated phenomena, Ahmedabad]	EQji,Om
323	Thiruvegadathan A.	1974	Indian J.Met.Geo.	5	267-271	Diurnal variation of horizontal magnetic force at Kodaikanal.	EQ *
159	Tsuda T. Sato T.	1968	Phys.Fluids	11	676-678	Structure of plasma turbulence due to nonlinear cross field instability.	EQi,T
145	Untiedt J.	1967	J.Geophys.Res.	72	5799-5810	A model of the equatorial electrojet involving meridional currents.	EQj,Tm
340	Valladares C. Woodman R.F.	1975	Conimera 3	Peru		Simulación digital-analógica por computadora de comunicaciones via Electrochorro Ecuatorial.	EQi,Ts
97	Van Sabben D.	1964	J.Atm.Terr.Phys.	26	1187-1196	North-South Assymetry of Sq.	EQ *
16	Veldkamp J. Scholte J.G.	1954	Indian J.Met.Geo.	5	203-	Some remarks on the Equatorial Electrojet as revealed by the analysis of solar flare effects.	EQj,Om *
545	Vikramkumar B.T. Viswanathan K.S. Rao P.B.	1984	Ann.Geophysicae	2	495-500	VHF Backscatter radar observations of the equatorial electrojet irregularities: diurnal, seasonal and solar cycle variations.	EQi,Orm
585	Vikramkumar B.T. Viswanathan K.S. Reddy C.A.	1987	J.Atm.Terr.Phys.	49	201-207	Electric fields and currents in the eq. electrojet deduced from VHF radar observations- III. Comparison of observed DH values with those estimated from measured electric fields.	EQej,Or
250	Vincent R.A.	1972	J.Atm.Terr.Phys.	34	1881-1898	Ionospheric irregularities in the E-region.	Pin,Oi
424	Viswanathan K.S.	1977	Workshop	Ahmedabad		Backscatter Doppler spectral widths and signal fluctuation levels. [Proc.Workshop on equatorial electrojet and associated phenomena, Ahmedabad]	EQi,Or ?*
425	Viswanathan K.S.	1977	Phys.Res.Lab.R.	Ahmedabad	157-163	Backscatter Doppler Spectral Widths and signal fluctuations levels. [Workshop on the Equatorial Electrojet and associated phenomena, Ahmedabad]	EQi,Or

REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
491	Viswanathan K.S.	1980	Adv.Space Res.	8	33-36	Height structure of the equatorial electrojet as observed with the VHF backscatter radar. [COSPAR Symp.: Low Latitude Aeronomic. Processes]	EQi,Or
586	Viswanathan K.S. Vikramkumar B.T. Reddy C.A.	1987	J.AtM.Terr.Phys.	49	193-200	Electric Fields and currents in the Equatorial electrojet deduced from VHF radar observations- II. Characteristics of electric fields on quiet and disturbed day.	EQej,Orm
467	Volosevich A.V. Livshitz M.A. Liperovsky V.A.	1979	J.Physique	40, C7		Nonlinear decay interactions for the instability Buneman-Farley.	EQi, T *
113	Waldteufel P.	1965	Ann.Geophys.	21	579-604	Etude de l'instabilite liee a la couche E sporadique equatoriale.	EQi, T *
251	Walker G.O. Ma J.H.K.	1972	J.AtM.Terr.Phys.	34	1419-1424	Influence of solar flux and the equatorial electrojet on the diurnal development of the latitude distribution of total electron content in the equatorial anomaly.	EQjc,Os
492	Walker G.O. Ma J.H.K. Rastogi R.G. Deshpande M.R. Chandra H.	1980	J.AtM.Terr.Phys.	42	629-635	Dissimilar forms of the ionospheric equatorial anomaly observed in east Asia and India.	EQj,Om
468	Walton E.K. Bowhill S.A.	1979	J.AtM.Terr.Phys.	41	937-949	Seasonal variations in the low latitude dynamo current system near sunspot maximum.	EQe,Tm
160	Weinstock J.	1968	J.Geophys.Res.	73	225-231	Deducing the magnitudes of ionospheric irregularities from backscatter measurements.	EQi,T
199	Weinstock J.	1970	Phys.Fluids	13	2308-2316	Turbulent plasmas in a magnetic field.- A statistical theory.	EQi,T
252	Weinstock J. Sleeper A.M.	1972	J.Geophys.Res.	77	3621-3624	Nonlinear saturation of type I irregularities in the equatorial electrojet.	EQi, T *
300	Weinstock J.	1973	J.Geophys.Res.	78	772-773	An indirect method for measuring equatorial electrojet currents and its relation to nonlinear saturation of type I instabilities.	EQi,T
341	Weinstock J. Rognlien T.D.	1975	Radio Sci.	10	231-237	Nonlinear saturation and angular rotation of instabilities in the E layer.	EQi,T
519	Weinstock J. Catto P.J.	1981	Phys.Fluids	11	1763-		EQi, T ?*
146	Whitehead J.D.	1967	J.AtM.Terr.Phys.	29	1285-1297	Instabilities in a gradient of ionization and sporadic-E.	EQin,T
221	Whitehead J.D.	1971	J.Geophys.Res.	76	3116-3126	The equatorial electrojet and the gradient instability.	EQji,T
200	Williams R.H. Weinstock J.	1970	J.Geophys.Res.	75	7217-7228	Strong turbulence of ionospheric cross field instability.	EQi,T
178	Woodman R.F. Hagfors T.	1969	J.Geophys.Res.	74	1205-1212	Methods for the measurement of vertical ionospheric motions near the magnetic equator by incoherent scattering.	EQe,Ort



REFERENCES ON EQUATORIAL ELECTROJET  
Listed by First Author

Ref Num	AUTHOR	Year	Periodical	Issue	Pages	TITLE	Code
201	Woodman R.F.	1970	J.Geophys.Res.	75	6249-6259	Vertical drifts velocities and east-west electric fields at the magnetic equator.	EQe,Ord
253	Woodman R.F.	1972	Space Res.	12	969-974	East-west ionospheric drifts at the magnetic equator.	EQe,Ord
426	Woodman R.F. Rastogi R.G. Calderon C.	1977	J.Geophys.Res.	82	5257-5261	Solar cycle effects on the electric fields in the equatorial ionosphere.	Pec,Ord
40	Wright R.W.H. Skinner N.J.	1959	J.Atm.Terr.Phys.	13	217-221	Lunar tides in the sporadic E-layer at Ibadan.	EQnc,Oi
63	Wright R.W.H.	1962	Nature	194	1169-1170	Effect of magnetic disturbances on the equatorial ionosphere jet current.	EQj,Om *
126	Yacob A.	1966	J.Atm.Terr.Phys.	28	581-597	Seasonal parameters of the equatorial electrojet at different longitudinal zones.	EQj,Om
301	Yacob A. Bhargava B.N.	1973	J.Atm.Terr.Phys.	35	1253-1255	The electrojet field from satellite and surface observations in the Indian equatorial region.	EQj,Osm
440	Yamarenko L.N.	1978	Geomag.Aeronom.	18	770-771	Equivalent current systems of the Equatorial Electrojet.	EQj ?*
31	Zmuda A.J.	1958	J.Geophys.Res.	63	477-490	A method for analyzing values of the scalar magnetic intensity.	EQj,Om *
47	Zmuda A.J.	1960	J.Geophys.Res.	65	2247-2253	Ionospheric electrostatic fields and the equatorial electrojet.	EQe ?*

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

---

AUTHOR	REF_NUM
Aarons J.	377
Abdu M.A.	588
Agarwal A.K.	374
Agu C.E.	480, 493, 510, 511, 512, 525, 595, 601
Aikin A.C.	147, 254, 307
Ajith Kumar S.	592, 593
Akasofu S.I.	64, 231, 281
Akinrimisi J.	202, 298, 363
Al'pert J.L.	28
Alex S.	587
Alexander N.S.	22, 34, 37, 41
Anandarao B.G.	342, 375, 405, 427, 441, 442, 485, 575
Araki T.	436, 457
Asha Patil	571
Bailey D.K.	4, 17
Baker K.D.	455, 526, 546, 555, 579, 580
Baker W.G.	5, 9, 10
Balsley B.B.	42, 66, 87, 98, 99, 114, 127, 161, 162, 163, 164, 179, 180, 181, 182, 203, 204, 222, 249, 255, 256, 257, 265, 314, 325, 329, 330, 343, 344, 345, 347, 355, 356, 360, 376, 377, 422, 431, 471
Bandyopadhyay P.	65, 88, 100, 183
Barone S.R.	469
Basu Sa.	377
Bateman R.	4, 17
Baumjohann W.	541
Beer T.	223
Behnke R.A.	529
Berkner L.V.	4
Bhargava B.N.	301
Bhavsar P.D.	101, 165, 370
Blanc M.	470
Blumle L.J.	147
Bonelli E.	547, 564
Booker H.G.	4
Bowen W.A.	3, 8
Bowhill S.A.	302, 468
Bowles K.L.	23, 42, 50, 51, 66, 69, 70, 89, 130
Brace L.H.	554
Broche P.	324, 422, 428, 443, 444
Brown R.A.	102, 128
Buneman O.	67
Burrows K.	131, 184, 258, 346, 378, 413
Cahill L.J.	29, 32, 104, 105, 106
Cain J.C.	125, 166, 259, 278
Calderon C.	426
Calvert W.	51
Campbell W.H.	260
Carter D.A.	257, 325, 344, 347, 422
Casaverde M.	48
Catto P.J.	519
Chakravarty S.C.	215, 379
Chandra H.	205, 210, 215, 216, 224, 238, 241, 261, 326, 380, 492
Chapman S.	1, 20, 64
Chatumevi P.K.	309
Cherian P.J.	486
Closs R.L.	68, 167, 185, 186
Coffey T.P.	312, 333, 334
Cohen R.	23, 42, 50, 51, 66, 69, 70, 90, 129, 130, 148, 262, 303, 429
Cole K.D.	381, 594, 596
Collins T.W.	539
Coroniti F.V.	310

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

AUTHOR	REF_NUM
Crochet M.	324, 348, 359, 382, 383, 387, 391, 422, 428, 433, 443, 444, 453, 454, 494, 495, 502, 503, 504, 505
D'Angelo N.	195, 242, 304, 327
Dabas R.S.	548
Davis T.N.	131
Desai J.N.	370, 427
Deshpande M.R.	115, 124, 384, 434, 492
Devasia C.V.	287, 349, 368, 408, 410, 439, 461, 488, 516, 563
Dolginov Sh.Sh.	225
Dougherty J.P.	132
Duhau S.	445
Dunford E.	133
Dupree T.H.	430
Ecklund W.L.	222, 257, 325, 347
Egan R.D.	43
Ezema P.O.	401, 540
Fambitakoye O.	206, 263, 264, 350, 351, 352, 353, 354
Farley D.T.	71, 72, 90, 132, 203, 207, 255, 265, 298, 305, 313, 328, 329, 330, 345, 355, 356, 392, 431, 446, 447, 471, 473, 496, 497, 498, 523, 528, 549, 551, 564, 577, 598, 599
Farmer A.D.	370
Fcjer B.G.	306, 328, 329, 330, 345, 355, 356, 392, 431, 447, 451, 471, 472, 473, 496, 497, 498, 499, 523, 526, 528, 551, 554, 564, 565, 577, 579, 580
Fcjer J.A.	11, 448
Ferch R.L.	385, 456
Ferraro A.J.	539
Fishehuk D.I.	275
Forbes J.M.	357, 358, 386, 449, 500, 566
Forbush S.E.	18, 48
Gagnepain J.	359, 387, 428
Galperin Yu.I.	432
Garrett H.B.	449
Gary S.P.	296
Gassmann G.J.	116, 168
Geller M.	187, 226
Gettemy J.W.	76
Ghebrebrhan Oguba.	454
Giesecke A.A.	155, 157
Girija Rajaram	238
Goldberg R.A.	254, 307, 308
Gonzales C.A.	447, 450, 451, 529
Goodwin G.L.	103
Gouin P.	52, 134, 266, 454
Greenwald R.A.	314, 452
Gupta J.C.	188, 227, 267, 268
Gupta K.S.	229, 269, 274, 331
Gupta S.P.	153, 171, 172, 193, 211, 212, 213, 214, 220, 233, 234, 235, 283, 322, 364, 370, 388, 389, 390, 460, 482, 535, 543, 562, 567
Gurm H.S.	434, 465
Haerendel G.	427, 541
Hagfors T.	178
Hall S.H.	149
Haniise C.	348, 391, 433, 443, 444, 453, 454, 494, 501, 502, 503, 504, 505, 573, 577
Hedgecock P.C.	438
Hirao K.	320
Hirata Y.	137
Holt J.	529
Hooke W.H.	303, 429
Howlett L.C.	546
Huba J.D.	530

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

AUTHOR	REF_NUM
Hudson M.K.	360
Hutton R.	44, 49, 53, 54, 73, 74, 135, 136, 189
Ierkic H.M.	392, 473, 474, 496, 498
Ifedili S.O.	140
Ireland W.	55
Ivanov A.A.	309
Iyer K.N.	367
Jain A.R.	434, 465, 475, 476, 548, 576
Jain C.L.	212, 235, 283, 314
Jamin E.	337, 361
Janve A.V.	434
Jie Z.X.	550
John P.I.	332
Johnston P.	471
Joshi B.K.	190
Kamenetskaya G.Kh.	208
Kamide Y.	506, 508
Kane R.P.	270, 271, 362, 393, 477, 478, 520, 521
Kato S.	21, 24, 75, 117, 137, 150, 169, 272, 273
Kaushika N.D.	123, 124
Kaw P.K.	228, 230, 245, 309
Kawasaki A.K.	281
Kelley M.C.	394, 447, 451, 455, 472, 526, 529, 546, 554, 555, 579, 580
Kenesha T.J.	191
Kennel C.F.	209, 230, 276, 277, 310, 361
Kent G.S.	151
Keskinen M.J.	421, 435, 456, 466, 507, 544
Kikuchi T.	436, 457
Kindel J.M.	209
Kirby R.C.	17
Kist R.	390
Knapp D.G.	76
Knecht R.W.	33, 56
Knox F.B.	91
Kotadia K.M.	57, 190
Krishna Moorthy K.	404, 479, 484, 522, 568, 569
Krishna Murthy B.V.	229, 269, 274, 307, 331, 395, 404, 479, 484, 513, 522, 568, 569
Krylov A.L.	275
Kudeki E.	523, 531, 538, 551, 555, 573, 577, 579, 580, 599
Kulsrud R.M.	524
LaBelle J.	546
Larsen M.F.	528, 564
Ledley B.G.	554
Lee H.S.	539
Lec K.	209, 230, 276, 277, 310
Lee L.C.	530
Lindzen R.S.	357, 358, 386
Liperovsky V.A.	467
Livshitz M.A.	467
Lu X.N.	550
Lunnen R.J.	539
Ma J.H.K.	251, 492
Maeda H.	19, 25, 77, 436
Maeda K.	6, 77, 117, 396, 532
Mackawa K.	436
Makiese N.	383
Malin S.R.C.	227
Maple E.	3, 8
Marriott R.T.	278
Martyn D.F.	5, 9, 12

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

AUTHOR	REF_NUM
Matsushita S.	2, 7, 13, 14, 26, 58, 59, 150, 152, 169, 170, 192, 279, 371, 397, 506, 508
Mawdsley J.	55
Mayaud P.N.	78, 134, 138, 264, 311, 350, 351, 352, 353, 398
Maynard N.C.	104, 105, 106, 139, 526, 554
McDonald B.E.	312, 333
McDuffie R.E.	56
Misra R.K.	205, 210, 216, 241
Montes H.	65
Montgomery G.F.	4
Moorcroft D.R.	223
Muralikrishna P.	248, 365, 399, 437, 514, 588
Narayanan M.S.	165
Narayanan V.	400
Narcisi R.S.	191
Newman A.L.	458, 509
Nityananda N.	374, 423
Ochs G.R.	42
Ogawa T.	372
Ogbuehi P.O.	60, 79, 92, 107, 110, 111, 119, 140, 141, 142
Oni E.	280
Onwumechilli C.A.	22, 34, 35, 36, 37, 38, 39, 41, 45, 46, 60, 79, 80, 81, 92, 93, 94, 95, 107, 108, 109, 110, 111, 118, 119, 120, 121, 140, 141, 142, 143, 231, 281, 401, 480, 493, 510, 511, 512, 525, 540, 552, 553, 578, 589, 590, 591, 595, 600, 601
Orens J.	334
Osborne D.G.	61, 82, 83, 96, 122, 282
Ossakov S.L.	312, 333, 334
Ott E.	313, 509
Oyama K.	320
Oyinloye J.O.	189, 363
Ozocmena P.C.	553, 578, 589, 590, 591, 595, 600, 601
Pal S.	515, 533, 556
Pandey R.	459, 460, 481, 482, 483, 515, 533, 542, 557
Papadopoulos K.	334
Papamastorakis I.	541
Parameswaran K.	513
Park D.	232
Patel V.L.	336
Pecseli H.L.	304, 327
Perez O.	155, 157
Petersen P.I.	304, 327
Pfaff R.F.	526, 546, 554, 555, 570, 579, 580
Pokhunkov A.A.	560
Poman C.	348
Ponomarev V.N.	432
Poros D.J.	176
Pradhan S.M.	247
Prakash S.	153, 171, 172, 193, 211, 212, 213, 214, 220, 233, 234, 235, 248, 283, 314, 322, 364, 365, 388, 389, 402, 403, 437, 459, 460, 481, 482, 483, 514, 515, 533, 535, 542, 543, 556, 557, 562, 582
Price A.T.	84, 112
Providakes J.F.	598
Purcell E.M.	4
Raghava Reddi C.	375, 404, 479, 484, 522
Raghavarao R.	375, 405, 415, 427, 441, 442, 485, 560, 575
Rai R.K.	434
Raja Rao K.S.	30, 173
Rajaram Girija	406
Ramanuja Rao K.	101, 165
Rangarajan S.	15

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

---

AUTHOR	REF_NUM
Sudan R.N.	298, 312, 333, 385, 421, 456, 466, 524, 536, 537, 544
Sugiura M.	125, 176
Swartz W.E.	394
Sweeney R.E.	259
Swider W.	191
Tabbagh J.	263, 383, 422
Tantry B.A.	247
Tarpley J.D.	177, 192, 198, 249, 299, 371
Tayan Y.	394
Tetrault D.J.	430
Thakur N.K.	423
Thiruvegadathan A.	323
Torbert R.	394
Trivedi N.B.	123, 194, 477, 478, 520, 521
Tsedilina Y.E.	275
Tsuda T.	77, 144, 159
Ulwick J.C.	455, 546
Untiedt J.	145
Usher M.J.	378, 413
Valladares C.	340
Van Allen J.A.	29
Van Sabben D.	97
Varfolomeev V.A.	560
Veldkamp J.	16
Venkateswaran S.V.	278, 295
Vestine E.H.	18
Vickrey J.F.	451, 529
Vikramkumar B.T.	545, 581, 585, 586
Vila P.	263
Vincent R.A.	250
Viswanathan K.S.	424, 425, 462, 487, 489, 490, 491, 518, 545, 559, 581, 583, 584, 585, 586
Volosevich A.V.	467
Wagner R.A.	116, 168
Waldteufel P.	113
Walker G.O.	251, 492
Walton E.K.	302, 468
Wand R.	529
Weinstock J.	160, 174, 199, 200, 246, 252, 290, 300, 319, 338, 341, 519
Whitehead J.D.	146, 221
Wilkins G.A.	84
Williams R.H.	200
Woodman R.F.	164, 178, 201, 204, 253, 329, 330, 340, 343, 344, 355, 356, 426, 438, 447, 451, 539, 554
Wright R.W.H.	27, 40, 49, 63, 151
Yacob A.	126, 301
Yamarenko L.N.	440
Zmuda A.J.	31, 47
Zosimova A.G.	432

REFERENCES ON EQUATORIAL ELECTROJET  
Index of Authors

AUTHOR	REF_NUM
Rao N.B.	546
Rao P.B.	545
Rao R.S.	379
Rao T.R.	364, 402
Rastogi P.K.	302
Rastogi R.G.	62, 85, 115, 123, 124, 194, 205, 210, 215, 216, 224, 236, 237, 238, 239, 240, 241, 261, 263, 284, 285, 286, 315, 316, 317, 326, 335, 336, 366, 367, 374, 393, 407, 426, 434, 438, 492, 534, 571, 587
Reddy C.A.	287, 318, 368, 369, 408, 409, 410, 411, 439, 461, 462, 486, 487, 488, 489, 490, 516, 517, 518, 559, 572, 581, 583, 585, 586, 592, 593
Rees D.	370
Reid G.C.	154
Rey A.	343
Richmond A.D.	288, 289, 292, 295, 350, 359, 371, 387, 463, 470
Rogers A.J.	258
Register A.	195, 217, 242, 243, 337
Rognlien T.D.	290, 319, 338, 341
Romanelli L.	445
Romero C.A.	155, 156, 157
Roquet J.	291
Rounce P.	370
Roy M.	587
Royrvik O.	527, 558
Rush C.M.	292
Salisbury W.W.	4
Sampath S.	320, 378, 413, 464
Sartiel J.	412
Sastry T.S.G.	106, 158, 196, 218, 248, 293, 320, 346, 378, 413, 464
Sato T.	144, 159, 219, 244, 294, 339, 372, 373, 414
Saxena Y.C.	332
Schildge J.P.	278, 295, 321
Schmidt M.J.	296
Scholte J.G.	16
Sen A.	245
Sethia G.	434
Sharma P.	415
Sharma R.P.	238
Shcherbakov V.P.	275
Shuman B.M.	197
Simon A.	86
Singer S.F.	3, 8
Singh A.	594, 596
Singh B.P.	374, 416, 423
Singh M.	434, 465
Sinha H.S.S.	283, 364, 582
Sivaraman K.R.	30
Skadron G.	174
Skinner N.J.	27, 40, 83
Sleeper A.M.	246, 252
Smith L.G.	554, 558
Soboleva T.N.	275
Somayajulu V.V.	369, 461, 462, 486, 487, 488, 489, 490, 518, 559, 583, 584, 592, 593, 597
Sridharan R.	560
Srivastava B.J.	417
Srivastava S.K.	247
St.Maurice J.P.	573
Stening R.J.	175, 297, 418, 419, 561, 574
Stolarik J.D.	131, 378, 413
Subbaraya B.H.	153, 171, 172, 193, 211, 212, 213, 214, 220, 233, 234, 235, 248, 283, 322, 388, 389, 420, 460, 482, 515, 535, 543, 562