

DOCUMENT CHANGE RECORD

Part 5

DATE	PAGES AFFECTED
21.11.14	Democratic Republic of the Congo, Russian Federation
6.11.12	Argentina, Cameroon, Cape Verde, Democratic Republic of the Congo, Japan
17.8.12	Argentina, Brazil
5.6.12	Mexico
17.2.12	Spain
9.12.10	Bolivia, Dominican Republic, Ecuador, Guyana, Honduras, Mexico, Netherlands Antilles and Panama – contact information updated
19.10.10	Cameroon – contact information updated
20.9.10	Brazil – contact information updated
12.7.10	Montserrat (United Kingdom) – contact information updated
25.9.09	Update to Mexico
21.4.09	Update to Suriname
25.2.09	New entries: Cuba, Honduras, Jamaica and Puerto Rico (United States) Updates to: Dominican Republic, Mexico, Netherlands Antilles (Netherlands) and Trinidad and Tobago
16.12.08	New entry: Netherlands Antilles (Netherlands)
17.10.08	Update to Cameroon
8.9.08	New entry: Dominican Republic
26.8.08	Updates to: Cameroon, Cape Verde, Comoros, Dem. Rep. of Congo and CAR/SAM States
22.2.08	Portugal
5.11.07	Canada
16.4.07	Russian Federation
12.2.07	Guyana, Paraguay and Uruguay
4.12.06	Greece, Iceland, Italy, Portugal, Russian Federation and Spain
24.4.06	Canada and Peru
16.3.06	Kenya
3.3.06	Argentina, Brazil and Chile
28.11.05	Ecuador , Panama
1.11.05	Argentina, Chile, Paraguay
30.6.05	El Salvador
25.4.05	Peru

Part 5

INTERNATIONAL AIRWAYS VOLCANO WATCH CONTACT LIST

5.1 ALPHABETICAL LISTING

Antigua and Barbuda	Indonesia
Argentina	Italy
Australia	Jamaica
Bolivia	Japan
Brazil	Kenya
Cameroon	Mexico
Canada	Montserrat (United Kingdom)
Cape Verde	Netherlands Antilles (Netherlands)
Chile	New Zealand
China	Nicaragua
Colombia	Pakistan
Comoros	Panama
Costa Rica	Papua New Guinea
Cuba	Paraguay
Democratic Republic of the Congo	Peru
Dominican Republic	Philippines
Ecuador	Puerto Rico (United States)
El Salvador	Portugal
Eritrea	Russian Federation
Ethiopia	Saint Kitts and Nevis
France	Saint Lucia
France (Île de la Réunion)	Saint Vincent and the Grenadines
French Antilles	Solomon Islands
French Guiana (France)	Spain
Greece	Suriname
Grenada	Trinidad and Tobago
Guatemala	United States
Guyana	Uruguay
Honduras	Vanuatu
Iceland	Venezuela

5.2 LIST OF STATES BY ICAO REGION**AFI**

Cameroon
Cape Verde
Comoros
Democratic Republic of the Congo
Eritrea
Ethiopia
France (Île de la Réunion)
Kenya

French Antilles (France)
French Guiana (France)
Grenada
Guatemala
Guyana
Honduras
Jamaica
Mexico
Montserrat (United Kingdom)
Netherlands Antilles (Netherlands)
Nicaragua
Panama
Paraguay
Peru
Puerto Rico (United States)
Trinidad and Tobago
Saint Kitts and Nevis
Saint Vincent and the Grenadines
Saint Lucia
Suriname
Uruguay
Venezuela

ASIA/PAC

Australia
China
Indonesia
Japan
New Zealand
Pakistan
Papua New Guinea
Philippines
Solomon Islands
Vanuatu

EUR

France
Greece
Italy
Portugal
Russian Federation
Spain

CAR/SAM

Antigua and Barbuda
Argentina
Bolivia
Brazil
Chile
Colombia
Costa Rica
Cuba
Dominican Republic
Ecuador
El Salvador

NAM/NAT

Canada
Iceland
United States

ARGENTINA

Volcano observatory or authority	Servicio Geológico y Minero Argentino (SEGEMAR)	Tel.: E-mail: Fax:	+54 (11) 4349 3176/3125 olapi22@yahoo.com.ar meliss@minplan.gov.ar +54 (11) 4349 3196
FIR	EZEIZA		
ACC		Tel.: AFTN: Fax:	+54 (11) 4480 2222/2542 SAEZZRZX +54 (11) 4480 2397
MWO	AEROPARQUE	Tel./Fax: AFTN: E-mail:	+54 (11) 4514 1612 SABEYMYX SAZZMAMX omaaer@smn.gov.ar
FIR	CORDOBA		
ACC		Tel.: AFTN: E-mail: Fax:	+54 (351) 433 5350 SACOZRZX accbba@hotmail.com accadmcba@gmail.com +54 (351) 475 6488
MWO	CORDOBA	Tel.: AFTN: E-mail: Fax:	+ 54 (351) 476 3882/6427 SACOYMYX SAZZMAMX omacba@smn.gov.ar +54 (351) 475 3882
FIR	MENDOZA		
ACC		Tel./Fax: AFTN:	+54 (261) 448 7486 SAMEZRZX
MWO	MENDOZA	Tel./Fax: AFTN: E-mail:	+54 (261) 448 7468 SAMEYMYX SAZZMAMX omadoz@smn.gov.ar
FIR	RESISTENCIA		
ACC		Tel./Fax: AFTN: E-mail:	+54 (362) 444 0939 SAREZRZX maban@anac.gov.ar

MWO	RESISTENCIA	Tel.:	+54 (362) 443 6278
		AFTN:	SAREYMYX SAZZMAMX
		E-mail:	omasis@smn.gov.ar
		Fax:	+54 (362) 443 6285
FIR	COMODORO RIVADAVIA		
ACC		Tel./Fax:	+54 (297) 454 8375
		AFTN:	SAVCZRZX
MWO	COMODORO RIVADAVIA	Tel./Fax:	+54 (297) 454 8018
		AFTN:	SAVCYMYX SAZZMAMX
		E-mail:	omacr@smn.gov.ar
NOF	EZEIZA	Tel./Fax:	+54 (11) 4480 2260
		AFTN:	SAEZYNYX
		E-Mail:	notamezeiza@yahoo.com.ar dianac@anac.gov.ar

AUSTRALIA

**Volcano observatory
or authority**

Bureau of Meteorology HQ
Melbourne

Tel.: +61 (3) 9669 4586
Fax: +61 (3) 9669 4695

Australian Geological Survey
Organization

Tel.: +61 (2) 6249 9377
E-mail: wjohnson@agso.gov.au
Fax: +61 (2) 6249 9986

FIR

BRISBANE

MWO

Tel.: +61 (8) 8920 3830
+61 (8) 8920 3833
AFTN: YPDMYMYX
Fax: +61 (8) 8927 9276
+61 (8) 8920 3829

ACC

Tel.: +61 (7) 3866 3224
AFTN: YBBBZRZX
Fax: +61 (7) 3866 3257

NOF

BRISBANE

AFTN: YBBBYNYX
Fax: +61 (7) 3866 3553

BOLIVIA

**Volcano observatory
or authority**

FIR LA PAZ

ACC Tel./Fax: +591 (2) 281 0203
AFTN: SLLPZRZX

MWO LA PAZ Tel.: +591 (2) 2114232
AFTN: +591 (2) 212 4129
SLLPYMYX
E-mail: ovmbolivia@yahoo.es
Fax: +591 (2) 231 6686

NOF LA PAZ Tel./Fax: +591 (2) 231 6686
Ext. 152
AFTN: SLLPYNYX
E-mail: aisbolivia@yahoo.es

BRAZIL

**Volcano observatory
or authority**

FIR	AMAZONICA		
ACC		Tel.:	+55 (92) 3652 5318
		AFTN:	SBAZZRZX SBAZZQZX
		E-mail:	accaz@cidacta4.decea.gov.br
		Fax:	+55 (92) 3652 5371
MWO	MANAUS/CINDACTA IV	Tel.:	+55 (92) 652 5375
		AFTN:	SBMUYFTH
		E-mail:	cmv-az@cindacta4.decea.gov.br
FIR	BRASILIA		
ACC		Tel.:	+55 (61) 3364 8404
		AFTN:	SBBRZRZX
		Fax:	+55 (61) 3364 8418
MWO	BRASILIA/CINDACTA I	Tel.:	+55 (61) 3364 8358
		AFTN:	SBBSYMYX
		E-mail:	cmv-bs@cindacta1.aer.mil.br
FIR	RECIFE		
ACC		Tel.:	+55 (81) 3462 2742
		AFTN:	SBRFZRZX
		Fax:	+55 (81) 3462 4927
MWO	RECIFE/CINDACTA III	Tel.:	+55 (81) 2129 8093 +55 (81) 2129 8094
		AFTN:	SBREYMYX
		E-mail:	cmv-re@cindacta3.aer.mil.br
FIR	ATLANTICO		
ACC		Tel.:	+55 (81) 3343 6215
		AFTN:	SBAOZRZX
MWO	RECIFE/CINDACTA III	Tel.:	+55 (81) 2129 8093 +55 (81) 2129 8094
		AFTN:	SBREYMYX
		E-mail:	cmv-re@cindacta3.aer.mil.br

FIR	CURITIBA		
ACC		Tel./Fax:	+55 (41) 3356 3475 +55 (41) 3251 5342
		AFTN:	SBCWZRZX
MWO	CURITIBA/CINDACTA II	Tel.:	+55 (41) 3356 6216 +55 (41) 3251 5357
		AFTN:	SBCWYMYX
		E-mail:	cmv-cw@cindacta2.aer.mil.br
NOF	BRASILIA	Tel./Fax:	+55 (61) 364 8353
		AFTN:	SBRJYNYX
		E-mail:	nofbrazil@cindacta1.aer.mil.br

CAMEROON

Volcano observatory or authority	EKONA Focal point may be contacted 24h/24 and 7d/7 Mr. Ateba Bekoa Mme Ngwa Caroline	Tel.: E-mail:	+237 33 32 2172 b.ateba@yahoo.com
ACC	BRAZZAVILLE	Tel.: AFTN: E-mail:	+242 06 992 0433 FCCCZQZX, FCBBZTZX ccrbrazzaville@yahoo.fr
FIR	BRAZZAVILLE	Tel.: AFTN: Fax:	+242 810 479 +242 815 151 FCCCZQZX +242 810 459
FIC	DOUALA	Tel: AFTN:	+237 33 42 4428 FKKDYDYX
MET	DOUALA	Tel.: AFTN: E-mail: Fax:	+237 33 42 4428 FKKDYMYX cmpdla@yahoo.fr +237 33 42 7122
MWO	BRAZZAVILLE	Tel.: AFTN E-mail:	237 42 03 785 FCBBYMYX cvmbrazza@yahoo.fr
NOF	BRAZZAVILLE	Tel.: AFTN:	+242 05 547 8182 FCCCYNIX

CANADA

Volcano observatory or authority	Geological Survey of Canada Contact: Dr. Catherine Hickson	Tel.: E-mail: Fax:	+1(604) 666 9772 General phone no.: +1 (604) 666 0529 chickson@ nrcan.gc.ca +1 (604) 666 7507
FIR	EDMONTON		
ACC		Tel.: AFTN: Fax:	+1 (780) 890 8397 CZEGZQZX +1 (780) 890 8011
MWO		Tel.: AFTN: Fax:	+1 (780) 951 8904 CWEGYMYX +1 (780) 951 8872
FIR	MONCTON		
ACC		Tel.: AFTN: Fax:	+1 (506) 867 7173 CZQMZQZX +1 (506) 867 7180
MWO	Edmonton	Tel.: AFTN: Fax:	+1 (780) 951 8904 CWEGYMYX +1 (780) 951 8872
FIR	MONTREAL		
ACC		Tel.: AFTN: Fax:	+1 (514) 633 3365 CZULZQZX +1 (514) 633 3043
	Back-up (OSS)	Tel.: Fax:	+1 (514) 633 3211 +1 (514) 633 2873
MWO	Edmonton	Tel.: AFTN: Fax:	+1 (780) 951 8904 CWEGYMYX +1 (780) 951 8872
FIR	TORONTO		
ACC		Tel.: AFTN: Fax:	+1 (905) 676 4509 CZYZZQZX +1 (905) 676 3121
MWO	Edmonton	Tel.: AFTN: Fax:	+1 (780) 951 8904 CWEGYMYX +1 (780) 951 8872

FIR	WINNIPEG		
ACC		Tel.: +1 (204) 983 8338 AFTN: CZWGZQZX Fax: +1 (204) 984 0030	
MWO	Edmonton	Tel.: +1 (780) 951 8904 AFTN: CWEGYMYX Fax: +1 (780) 951 8872	
FIR	VANCOUVER		
ACC		Tel.: +1 (604)586-4500 AFTN: CZVRZQZX Fax: +1 (604) 586-4502	
	Back-up (OSS)	Tel.: +1 (604)586-4590 Fax: +1 (604) 586-4597	
MWO	Edmonton	Tel.: +1 (780) 951 8904 AFTN: CWEGYMYX Fax: +1 (780) 951 8872	
FIR	GANDER DOMESTIC AND OCEANIC		
ACC		Tel.: +1 (709) 651-5207 AFTN: CZQXZQZX Fax: +1 (709) 651-5234	
MWO	Edmonton	Tel.: +1 (780) 951 8904 AFTN: CWEGYMYX Fax: +1 (780) 951 8872	
	Civil Aviation Contingency Operations (CACO)	Tel.: +1 (613) 992 6853 +1 (877) 992 6853 AFTN: CYHQYAYB Fax: +1 (613) 993 7768	
NOF	NAV CANADA	Tel.: +1 (613) 248-4087 AFTN: CYHQNOCX Fax: +1 (613) 248-3983	

CAPE VERDE

Volcano observatory or authority	SAO VINCENTE Focal point may be contacted 24h/24 and 7d/7 Faria Bruno	Tel.: E-mail: Fax:	+238 232 6622 brunofaria@sapo.cv +238 232 4002
FIR	SAL OCEANIC	Tel.: Fax:	+238 2433 3970 +238 2411730
ACC	SAL	Tel.: AFTN: E-mail: Fax:	+238 241 1730 GVSCYCYX atcontrol@asa.cv +238 241 1219
MWO	SAL	Tel.: AFTN: E-mail:	+238 241 1371 GVACYMYX dpa.inmg@gmail.com
NOF	SAL	Tel: AFTN: Fax:	+238 241 2502 GVACYNYX +238 241 3336

CHILE

Volcano observatory or authority	Southern Andes Volcano Observatory (SAVO)	Tel.: Mobile: E-mail: Fax:	+56 (45) 270 700 09 643 0245 hmoreno@sernageomin.cl dvasualto@sernageomin.cl +55 (92) 625 0371
	SERNAGEOMIN, Santiago	Tel.: Mobile: E-mail: Fax:	+56 (2) 737 5050 09 649 5377 jnanranjo@sernageomin.cl josenaranjo@manquehue.net +56 (2) 737 9253
FIR	ANTOFAGASTA		
ACC		Tel.: AFTN:	+56 (55) 227 944, Ext. 1425 appantofagasta@dgac.cl SCFAZRZX
MWO	ANTOFAGASTA	Tel.: AFTN: E-mail: Internet: Fax:	+56 (55) 227 944, Ext. 1421/1460/1466 SCFAYMYX SCZZMAMX cmrnorte@dgac.cl jaravena@dgac.cl. www.dimetchi.cl +56 (55) 225 022
FIR	SANTIAGO		
ACC		Tel.: AFTN: E-mail: Fax:	+56 (2) 767 2001 +56 (2) 436 3004 SCELZRZX cta.accu@dgac.cl cta_acol@dgac.cl +56 (2) 767 1636
MWO	SANTIAGO	Tel.: AFTN: E-mail: Fax:	+56 (2) 601 9214 +56 (2) 436 3224 +56 (2) 436 3435 SCZZMAMX SCELYMYX metaer@meteo Chile.cl bcoopmet@meteo Chile.cl +56 (2) 601 9214
FIR	PUERTO MONTT		
ACC		Tel.: AFTN: E-Mail: Fax:	+56 (65) 486 234/6 SCTEZRZX evasquez@dgac.cl +56 (65) 486 298

MWO	PUERTO MONTT	Tel.: AFTN: E-mail: Fax:	+56 (65) 486 225/6 SCTEYMYX SCZZMAMX meteozonasur@dgac.cl +56 (65) 486 226
FIR	PUNTA ARENAS		
ACC		Tel/Fax: AFTN: E-mail:	+56 (61) 219 131, Ext. 5414, 5474 SCCIZRZX fortiz@dgac.cl
MWO	PUNTA ARENAS	Tel.: AFTN: E-mail: Fax:	+56 (61) 219 131, Ext. 5423/5464 SCCIYMYX SCZZMAMX meteoparenas@dgac.cl +56 (61) 219 131, Ext. 5464
NOF	SANTIAGO	Tel: AFTN: E-Mail: Fax:	+56 (2) 436 3227 SCELZPZX operaciones_amb@dgac.cl +56 (2) 601 9366

CHINA

Volcano observatory or authority	Heilongjiang Wudalianchi Volcanic Monitoring Observatory Beijing	Tel.: +86 (10) 8801 5518 Fax: +86 (10) 6821 0995 Telex: 085 222 351 SSB CN
---	--	--

FIR BEIJING

General Dispatching Office	Tel.: +86 (10) 6401 2907 AFTN: ZBBBZGZX Fax: +86 (10) 6513 5983
---------------------------------------	---

MWO	Tel.: +86 (10) 6459 2565 AFTN: ZBAAYMYX Fax: +86 (10) 6459 6414
------------	---

NOF	Tel.: +86 (10) 6733 7244 AFTN: ZBBBYNYX Fax: +86 (10) 6733 7244
------------	---

COLOMBIA

Volcano observatory or authority	INGEOMINAS, Manizales	Tel.: +57 (68) 843 020 E-mail: cgar/on@ingeomin.gov.co Fax: +57 (68) 843 018
	INGEOMINAS, Pasto	Tel.: +57 (27) 314 752 +57 (27) 310 514 +57 (27) 312 595 E-mail: ovt@ingeominas.gov.co Fax: +57 (27) 310 514
	INGEOMINAS, Popayán	Tel.: +57 (28) 242 341 +57 (28) 242 057 +57 (28) 240 210 Fax: +57 (28) 241 255
FIR	BARRANQUILLA	
ACC		Tel.: +57 (5) 334 8075 +57 (5) 334 8503 AFTN: SKBQZQZX E-mail: Maritza.lopez@aerocivil.gov.co Fax: +57 (5) 334 8503
MWO	BOGOTA	Tel.: +57 (1) 413 8792 +57 (1) 266 2481 AFTN: SKBOYMYX E-mail: fhidalgo@ideam.gov.co Fax: +57 (1) 413 8440
FIR	BOGOTA	
ACC		Tel.: +57 (1) 413 9998 +57 (1) 266 3460 +57 (1) 413 5445 AFTN: SKBOZQZX E-mail: jcramirez@aerocivil.gov.co Fax: +57 (1) 413 5376
MWO	BOGOTA	Tel.: +57 (1) 413 8792 +57 (1) 266 2481 AFTN: SKBOYMYX E-mail: fhidalgo@ideam.gov.co Fax: +57 (1) 413 8440
NOF	BOGOTA	Tel.: +57 (1) 266 2552 AFTN: SKBOYNYX E-mail: ais@aerocivil.gov.co Fax: +57 (1) 413 8631

COMOROS

Volcano observatory or authority	Observatoire volcanologique du Karthala Moroni	Tel.: Fax:	+269 744187 +269 744189
FIR	ANTANANARIVO	Tel.: AFTN: Fax:	+261 2258113 FMMIYKYX +261 2258125
ACC		Tel.: AFTN:	+261 2258125 FMMIZIZX/FMMIZQZX
MET		Tel.: AFTN: E-mail: Fax:	+261 2258113 FMMIYYMYX meteoprevi@asecna.mg 261 2258115
NOF		Tel: AFTN: E-Mail: Fax:	+261 2258113 FMMMYNYX bni@asecna.mg +261 2258115

COSTA RICA

Volcano observatory or authority	Observatorio Vulcanológico y Sismológico de Costa Rica (OVSICORI-UNA) Heredia	Tel.:	+506 261 0781 +506 261 0611 +506 277 3304 +506 277 3306
		E-mail:	ovsicori@una.ac.cr
		Fax:	+506 261 0303
	Observatorio Sismológico y Vulcanológico de Arenal y Miravalles San José	Tel.:	+506 257 4220
		Fax:	+506 695 5033
	Chiripa Site	Tel.:	+506 695 6522
		E-mail:	gainduni@cariari.ucr.ac.cr (jefe) wtaylor@cariari.ucr.ac.cr
		Fax:	+506 695 5193

FIR CENTRAL AMERICAN

ACC*

Tel.:	+504 233 1503
AFTN:	MHTGZQZX
Fax:	+504 233 1219
Telex:	1523 Ho Cable Dirga 1411 Cocesna Cahó

MWO*

Tel.:	+504 234 9499 (24 hrs) +504 233 1111 (24 hrs) +504 233 7114 (till 2200Z)
AFTN:	MHTGYMYX
Fax:	+504 233 8075 (till 2200Z) +504 234 9500 (24 hrs)
Telex:	1523 Ho

*Via National ATS/MET units
of Alajuela/Intl. Juan Santamaría Airport
Meteorological Office:
Tel.:+ 506 441 2398
Fax: +506 442 7036
AFTN: MROCYMYX

AIS
Tel.: +506 443 3170 || AFTN: | MROCYOYX |
| Fax: | +506 441 4781 |

NOF TEGUCIGALPA

Tel.:	+504 233 1141/42/43 +504 233 1349 +504 234 2407
AFTN:	MHTGYNXX
Fax:	+504 233 1141 +504 233 1349

CUBA

**Volcano observatory
or authority**

FIR

ACC

MWO

:

Tel/Fax: (53) 7 642 6168
AFTN: MUHAYMYX
E-mail: meteof@aeronav.ecasa.avianet.cu

NOF

DEMOCRATIC REPUBLIC OF THE CONGO

Volcano observatory or authority	Observatoire Volcanologique de Goma (O.V.G.) a Goma Nord-Kivu	Tel.: E-mail:	+243 0 997747150 +243 0 853111028 yaliremat@yahoo.fr
FIR	KINSHASA	Tel.: AFTN:	+243 810086772 FZABZIZX
ACC	KINSHASA	Tel.: AFTN: Fax:	+243 810086772 +243 12 8845363 FZABZRZX +243 12 8846540
MWO	KINSHASA	Tel.: AFTN: E-mail:	+243 990545307 +243 999991610 FZAAYMYX rva_meteo@yahoo.fr
NOF	KINSHASA	Tel.: AFTN: Fax: E-mail:	+243 810086772 FZAZYNYX +243 12 8046540 regiedesvoiesaeriennes@yahoo.fr

DOMINICAN REPUBLIC

Volcano observatory or authority	Observatorio u Organismo de Vulcanologia	Tel.:	
		AFTN:	
		E-mail:	
		Fax:	
FIR	SANTO DOMINGO		
ACC		Tel.:	+1 809 549 0692
		AFTN:	MDCSZQZX
		E-mail:	dgta@idac.gov.do
		Fax:	+1 809 549 0692
MWO		Tel.:	+1 809 549 1291, Ext. 261
		AFTN:	MDSYMYX
		E-mail:	onametaila85@yahoo.com
		Internet:	www.ornamet.gob.do
		Fax:	+1 809 549 0256
NOF	OFC NOTAM INTL	Tel.:	+1 809 549 0095
		AFTN:	MDSY YNYX
		E-mail:	ais@idac.gov.do
		Fax:	+1 809 549 0095

ECUADOR

Volcano observatory or authority	Instituto Geofisico, Quito	Tel.:	+593 (2) 222 5655 +593 (2) 222 5627
		E-mail:	geofisico@igepn.edu.ec geofisico@accessinter.net http://www.igepn.edu.ec
		Fax:	+593 (2) 256 7847
FIR	GUAYAQUIL		
ACC		Tel.:	+593 (4) 228 2851
		AFTN:	SEGUZQZX
		E-mail:	accye@dgac.gov.ec
		Fax:	593 (4) 239 6073
MWO	GUAYAQUIL	Tel.:	+593 (4) 239 2712
		AFTN:	SEGUYMYX
		E-mail:	meteorologiagye@dgac.gov.ec mortiz@dgac.gov.ec
		Fax:	+593 (4) 228 3748
NOF	GUAYAQUIL	Tel.FAX:	+593 (4) 228 5661
		AFTN:	SEGUYNYX
		E-mail:	notam_intl_gye@hotmail.com

EL SALVADOR

**Volcano observatory
or authority**

Servicio National de Estudios
Territoriales (SNET)

Tel.: + (503) 2267-9766
Internet: www.snet.gob.sv
E-mail: descobar@snet.gob.sv
Fax: + (503) 2267 9537

FIR

CENTRAL AMERICAN

ACC*

Tel.: +504 233 1503
AFTN: MHTGZQZX
Fax: +504 233 1219
Telex: 1523 Ho Cable Dirga
1411 Cocesna Caho

MWO*

Tel.: +504 234 9499 (24 hrs)
+504 2 331 111 (24 hrs)
AFTN: +504 233 7114 (Till 2200Z)
Fax: MHTGYMYX
Telex: +504 233 8075 (till 2200Z)
+504 234 9500 (24 hrs)
1523 Ho

*Via national ATS/MET units
of San Salvador/Ilopango Intl

OMA: Tel.: +503 295 0304
+503 295 0626
Fax: +503 295 0304
E-mail: dgrnr@es.com.sv
AIS: Tel.: +503 295 0433
San Salvador/El Salvador Intl
OMA: Tel.: +503 339 9435
+503 339 9424
Fax: +503 339 9435
AIS: Tel.: +503 339 9455

NOF

TEGUCIGALPA

Tel.: +504 233 1141/42/43
+504 233 1349
+504 234 2407
AFTN: MHTGYNYX
Fax: +504 233 1141
+504 233 1349

ERITREA

Volcano observatory or authority	University of Asmara Geophysics Section	Tel.:	+291 1 161926
		Fax:	+291 1 162236

FIR ASMARA

ACC		Tel.:	+291 1 182 752
		Fax:	+291 1 181 255
		Telex:	HHASZQZQ

MWO		Tel.:	+291 1 182 933
------------	--	-------	----------------

NOF	ASMARA	AFTN:	HHASYNXX
------------	--------	-------	----------

ETHIOPIA

Volcano observatory or authority	Geophysics Observatory Addis Ababa University	Tel.: Fax:	+251 1 17253 +251 1 552112
FIR	ADDIS ABABA		
ACC		Tel.: AFTN: Fax: Telex:	+251 1 180789 HAAAZQZX +251 1 612533 21162 Civilair Addis
MWO		Tel.: AFTN: Fax: Telex:	+251 1 180342 +251 1 512299 HAABYMYX +251 1 517066 21474 T-MET-ET
NOF	ADDIS ABABA	AFTN:	HAABYNYX

ACC		Tel.:	+33 (3) 26 84 62 32
		AFTN:	LFEEZQZX
		Fax:	+33 (3) 26 84 62 45
MWO		Tel.:	+33 (3) 88 40 42 77
		AFTN:	LFSTYMYX
		Fax:	+33 (3) 88 67 84 84
FIR	MARSEILLE		
		Tel.:	+33 (4) 42 33 76 76
		AFTN:	LFMMZQZX
		Fax:	+33 (4) 42 33 79 89
MWO		Tel.:	+33 (4) 42 95 90 43
		AFTN:	LFMLYMYX
		Fax:	+33 (4) 42 95 90 39
NOF	BORDEAUX	Fax:	+33 (5) 57 92 57 99

FRENCH ANTILLES (FRANCE)

**Volcano observatory
or authority**

GUADELOUPE

Observatoire volcanologique de la
Soufrière

Tel.: +590 991 133
E-mail: komorow@ipgp.jussieu.fr
Fax: +590 991 134

MARTINIQUE

Observatoire volcanologique de la
Montagne Pelée

Tel.: +596 784 141
E-mail: viode@ipgp.jussieu.fr
Fax: +596 558 080

FIR

PIARCO

ACC

Tel.: +1 (868) 669 4852
AFTN: TTZPZQZX
Fax: +1 (868) 669 4259
Telex: CIVILAV TRINIDAD

MWO

Tel.: +1 (868) 669 4392
AFTN: TTPPYMYX
Fax: +1 (868) 669 4727
Telex: 25311 WG

NOF

PIARCO

AFTN: TTPPYNYX

FRENCH GUIANA (FRANCE)

**Volcano observatory
or authority**

FIR	ROCHAMBEAU		
ACC		Tel.:	+594 35 93 06
		AFTN:	S000ZQZX
		E-mail:	gilles.esser@aviation-civile.gouv.fr
		Fax:	+594 35 93 98
MWO	CVM Rochambeau	Tel.:	+594 35 35 35
		AFTN:	SOCAYMYX
		E-mail:	philippe.livenais@meteo.fr
		Fax:	+594 35 60 89
NOF	ROCHAMBEAU	Tel.:	+594 35 93 08
		AFTN:	SOOYNYX
		E-mail:	gilles.esser@aviation-civile.gouv.fr
		Fax:	+594 30 41 24

GREECE

Volcano observatory or authority	Aristotle University of Thessaloniki, Faculty of Science, School of Geology	Tel.: E-mail: Fax:	+30 31 998475 fytikas@geo.auth.gr +30 31 998482
	Institute for the Study and Monitoring of the Santorini Volcano (ISMOSAV)	Tel.: E-mail: Internet: Fax:	+30 28 624065 ismosav@otenet.gr http://www.santonet.gr/volcano +30 28 624065

NOF	ATHINAI	AFTN:	LGGGNYX
------------	---------	-------	---------

GUATEMALA

**Volcano observatory
or authority** INSIVUMEH Sección Vulcanología Tel.: +502 331 4967
Ciudad de Guatemala +502 331 9183
+502 332 4741
Fax: +502 331 5005

FIR CENTRAL AMERICAN

ACC* Tel./Fax: +504 233 1503
AFTN: MHTGZQZX
Telex: 1523 Ho Cable Dirga
1411 Cocesna Cahó

MWO* Tel.: +504 234 9499 (24 hrs)
+504 233 1111 (24 hrs)
+504 233 7114 (till 2200Z)
AFTN: MHTGYMYX
Fax: +504 233 8075 (till 2200Z)
+504 234 9500 (24 hrs, request
transmission to MET office)
Telex: 1523 Ho

*Via national ATS/MET units of Guatemala/
La Aurora Intl

AIS: Tel.: +502 331 5484 (24 hours)
OMA: Tel.: +502 331 4897

NOF TEGUCIGALPA Tel.: +504 233 1141/42/43
+504 233 1349
+504 234 2407
AFTN: MHTGYNYX
Fax: +504 233 1141
+504 233 1349

GUYANA

Volcano observatory or authority	Guyana Geology and Mines Commission	Tel.: E-mail: Fax:	+592 (2) 53047 ggmc@sdnp.org.gy +592 (2) 53047
FIR	GEORGETOWN		
ACC	GEORGETOWN	Tel.: AFTN: Fax:	+592 261 2245 SYCJZQZX +592 261 2279
MWO	TIMEHRI	Tel.: AFTN: Fax: E-mail	+592 261 3065 SYCJYMYX +592 261 2284 s.h.williams@hydromet-gv
NOF	TIMEHRI	Tel.: AFTN: Fax: E-mail	+592 261 2269 SYCJYNYX +592 261 2279 ais@gcaa-gy.org

HONDURAS

**Volcano observatory
or authority**

FIR

ACC	Tegucigalpa	Tel.:	(504) 234 3358 (504) 234 3360 ext. 1310/1314
		AFTN:	MHCCZQZX
		Fax:	(504) 234 2507
MWO	Tegucigalpa	Tel:	(504) 2331 111/2349 500/2331114MHTGYMYX
		AFTN:	met_aerohonduras@smn.gob.hn
		E-mail:	smn.honduras@gmail.com jefatura@smn.gob.hn
		Internet:	www.smn.gob.hn
		Fax:	(504) 233 8075/234 9500
NOF	Tegucigalpa	Tel./Fax:	(504) 234 3360 ext. 1271/1359
		AFTN:	MHTG YNYX
		E-mail:	notam@cocesna.org

ICELAND

Volcano observatory or authority	Dr. Freysteinn Sigmundsson Nordic Volcanological Institute Reykjavik	Tel.: E-mail: Fax:	+354 525 4492 fs@norvol.hi.is +354 562 9767
	Dr. Ragnar Stefansson Icelandic MET Office Department of Geophysics Reykjavik	Tel.: E-mail: Fax:	+3541 699 625 ragnar@vedur.is +354128 121
FIR	REYKJAVIK		
ACC		Tel.: E-mail: Fax:	+354 569 4343 atc@caa.is +354 569 4200
MWO		Tel.: AFTN: E-mail: Fax:	+354 522 6000 BIRKMYX urgent@vedur.is +354 522 6002
NOF	REYKJAVIK	Tel.: AFTN: E-mail: Fax:	+354 569 4294 BIRKYNX notam@caa.is +354 569 4200

ILE DE LA RÉUNION (FRANCE)

Volcano observatory or authority	Observatoire volcanologique du Piton de la Fournaise	Tel.: E-mail: Fax:	+262 275926 Thomas.Staudacher@univ-reunion.fr 262 591204
FIR	ANTANANARIVO		
ACC		Tel.: Fax: Telex:	+261 2022 48098, Ext. 302/303 +261 2022 32896 ASEMAD 22286
MWO		Tel.: Telex:	+261 2022 48098, Ext. 312 ASEMAD 22286
FIR	MAURITIUS		
ACC		Tel.: AFTN: Fax: Telex:	+230 637 3531 +230 637 4014 FIMPZTZX +230 637 3164 4896 DCA MAU IW
MWO		Tel.: AFTN: Fax: Telex:	+230 686 1031 (office hours) +230 637 3530 (airport) FIMPYMYX +230 686 1033 4722 METEO IW
FIR	SAINT DENIS-RÉUNION		
ATS unit		Tel.: AFTN: Fax:	+262 930 000 FMEEYAYX +262 930 013
MET unit		Tel.: Fax:	+262 280 091 +262 211 972
	Main MET Office	Tel.: AFTN: Fax:	+262 931 100 FMEEYMYX +262 931 148
NOF	ANTANANARIVO	AFTN:	FMMYNYX

ITALY

**Volcano observatory
or authority**

VESUVIUS

Prof. Giovanni Macedonio
Istituto Nazionale di Geofisica e
Vulcanologia (INGV)
Osservatorio Vesuviano
Naples

Tel.: +39 (081) 6108 111
+39 (081) 6108 300
E-mail: macedonio@ov.ingv.it
Fax: +39 (081) 6100 811

ETNA

Dr. Alessandro Bonaccorso
Istituto Nazionale di Geofisica e
Vulcanologia (INGV)
Catania

Tel.: +39 (095) 7165 800
E-mail: bonaccorso@ct.ingv.it
Fax: +39 (095) 435 801

STROMBOLI

Istituto Nazionale di Geofisica e
Vulcanologia (INGV)
Rome

+39 (06) 6518 601
Tel.: chiarabba @ingv.it
E-mail: amato@ingv.it
Fax: +39 (06) 6504 1181

FIR

ITALIA

ACC

Tel.: +39 (06) 7908 6260/6542
AFTN: LIRZRZX
Fax: +39 (06) 7908 6544
Telex: 62 2680

MWO

Tel.: +39 (02) 7390 4624
E-mail: cmrwatch@meteoam.it
AFTN: LIMMYMYX
Fax: +39 (02) 7390 4625

NOF

ROMA

Tel.: +39 (06) 7989 7019
+39 (06) 7934 0585
E-mail: nof@enav.it
AFTN: LIIAYNYX
Fax: +39 (06) 7989 7011
Telex: 620136 NOF 1

JAMAICA

**Volcano observatory
or authority**

FIR

ACC

MWO

Tel: +1 (876) 924 8055
AFTN: MKJPYMYX
E-mail: metja.nmc@infochan.com
metoffice@cwjamaica.com
Internet: www.metservice.gov.jm
Fax: +1 (876) 924 8670

NOF

JAPAN

Volcano observatory or authority	Japan Meteorological Agency (JMA) Tokyo	Tel.: E-mail: Fax:	+81 (3) 3284 1749 vaac-adm@eqvol2.kishou.go.jp +81 (3) 3212 3648
MWO	Japan Meteorological Agency (JMA) Tokyo	Tel.: AFTN: Fax:	+81 (3) 3211 4668 RJTDYMYX +81 (3) 3211 4668
FIR	FUKUOKA		
ACC	SAPPORO	Tel.: AFTN: Fax:	+81 (11) 787 4027 RJCGZQZG +81 (11) 784 7092
	TOKYO	Tel.: AFTN: Fax:	+81 (42) 992 1318 RJTGZQZG +81 (42) 994-0942
	FUKUOKA	Tel.: AFTN: Fax:	+81 (92) 607 9974 RJDGZQZG +81 (92) 607 7307
	NAHA	Tel.: AFTN: Fax:	+81 (98) 858 8206 RORGZQZG +81 (98) 858 7427
NOF	NARITA	AFTN: Fax:	RJAAYNYX +81 (476) 33 5509

KENYA

Volcano observatory or authority	Geology Department Nairobi University	Tel.:	+254 (20) 444 9004
		Fax:	+254 (20) 444 9539

FIR NAIROBI

ACC		Tel.:	+254 (20) 824 700
			+254 (20) 824 566
		AFTN:	HKJKYNYX
		Fax:	+254 (20) 824 719

MWO		Tel.:	+254 (20) 822 245
		AFTN:	HKJKYMYX
		Fax:	+254 (20) 822 003

NOF	NAIROBI	AFTN:	HKJKYNYX
		Fax:	+254 (20) 824 716

MEXICO

Volcano observatory or authority	Centro Nacional de Prevención de Desastres (CENAPRED)	Tel.: +52 (55) 5606 7956 E-mail: monitoreo@cenapred.unam.mx Fax: +52 (55) 5606 1608
	Centro Universitario de Investigaciones en Ciencias del Ambiente, Universidad de Colima	Tel.: +52 (312) 316 1137 E-mail: galindo@ucol.mx Fax: +52 (312) 316-1137
	Instituto de Geofísica, UNAM	Tel.: +52 (55) 5622-4098, Ext. 15 E-mail: sdelacr@georfcu.unam.mx
	Observatorio Vulcanológico, Universidad de Colima	Tel.: +52 (312) 316-1134 E-mail: tonatiuh@cgic.ucol.mx Fax: +52 (312) 316-1134
ACC	MEXICO	Tel.: +52 (55) 5726 1671 AFTN: MMMXYMYT Fax: +52 (55) 5726 1674 E-mail: centro_mexico@yahoo.com
MWO		Tel.: +52 (55) 5802 8520 AFTN: MMMXYMYX E-mail: capma@sct.gob.mx Internet: www.capma.com
ACC	MERIDA	Tel.: +52 (999) 946 1347 AFTN: MMMDXTYA Fax: +52 (999) 946-1327 E-mail: centromerida@hotmail.com
ACC	MAZATLAN	Tel./Fax: +52 (669) 981 1063 AFTN: MMMZNMXO E-mail: josegalindo@hotmail.com
ACC	MONTERREY	Tel./Fax: +52 (81) 8369 0883 AFTN: MMMYXTYA Fax: +52 (81) 8369-0950 E-mail: Felipe1822@ yahoo.com.mx
NOF	MEXICO	Tel./Fax: +52 (55) 5786 5519 AFTN: MMMXYNYX E-mail: Ais_pcr@sct.gob.mx

MONTserrat (UNITED KINGDOM)

Volcano observatory or authority	Montserrat Volcano Observatory	Tel.:	+1* (664)** 491 5647 +1 (664) 491 0002
		E-mail:	mvomail@mvo.ms
		Fax:	+1 (664) 491 2423
	from 0600 to 1800 hrs — Bramble Airport	Tel.:	+1 (664) 491 5647
		Fax:	+1 (664) 491 2423
	British Geological Survey	Tel.:	+44 (115) 936 3100
		E-mail:	u.name@bgs.ac.uk
		Fax:	+44 (115) 936 3200
FIR	PIARCO		
ACC		Tel.:	+1 (868) 669 4852
		AFTN:	TTZPZQZX
		Fax:	+1 (868) 669 4259
		Telex:	CIVILAV TRINIDAD
MWO		Tel.:	+1 (868) 669 4392
		AFTN:	TTPPYMYX
		Fax:	+1 (868) 669 4727
		Telex:	25311 WG
NOF	PORT OF SPAIN	Tel.:	+1 (868) 669 4128 +1 (868) 625 9843
		AFTN:	TTPPYNYX
		Fax:	+1 (868) 669 1716

* For Canada, United States and the Caribbean only.
** Or 868.

NETHERLANDS ANTILLES (NETHERLANDS)

**Volcano observatory
or authority**

Tel.:
E-Mail:
Fax:

FIR

CURACAO

Tel.:
E-Mail:
Fax:

MWO

WILLEMSTAD

Tel.: 599 9 839 3360
AFTN TNCCYMYX
E-Mail: cur-met@meteo.an
Internet: www.meteo.an
Fax: 599 9 869 2699

NOF

Tel.: 599 9 839 3510
E-Mail: AISNA@naatc.an
Fax: 599 9 868 3012

NEW ZEALAND

Volcano observatory or authority	Wairakei Research Centre	Tel.:	+64 (7) 374 8211
		Fax:	+64 (7) 374 8199

FIR NEW ZEALAND

ACC		Tel.:	+64 (3) 358 1694
		AFTN:	NZCHZRZX
		Fax:	+64 (3) 358 9192

MWO		Tel.:	+64 (4) 470 0816
		AFTN:	NZKLYMYX
		Fax:	+64 (4) 470 0801

FIR AUCKLAND OCEANIC

ACC		Tel.:	+64 (9) 275 9817
		AFTN:	NZZOZQZX
		Fax:	+64 (9) 275 3627

MWO		Tel.:	+64 (4) 470 0801
		AFTN:	NZKLYMYX
		Fax:	+64 (4) 470 0801

NOF	CHRISTCHURCH	Tel.:	+64 (3) 358 1688
		AFTN:	NZCHYNYX
		Fax:	+64 (3) 358 9192

NICARAGUA

Volcano observatory or authority	Dirección General del Instituto Nicaragüense de Estudios Territoriales (INETER), Managua	Tel.: +505 (2) 492 757 +505 (2) 492 759 +505 (2) 496 986 E-mail: ineter.disup@netport.com.ni Fax: +505 (2) 491 890
	Dirección de Meteorología	Tel.: +505 (2) 492 755 E-mail: metineter@ibw.com.ni Fax: +505 (2) 492 755
	Oficina MET (Aeropuerto)	Tel.: +505 (2) 331 321 E-mail: metsinop@ibw.com.ni aeronautica@met.ineter.gob.ni
	Dirección de Vulcanología	Tel.: +505 (2) 492 761 +505 (2) 496 987 Fax: +505 (2) 491 082

FIR CENTRAL AMERICAN

ACC*

Tel.: +504 233 1503 AFTN: MHTGZQZX Fax: +504 233 1219 Telex: 1523 Ho Cable Dirga 1411 Cocesna Cahó
--

MWO*

Tel.: +504 233 1111 (24 hrs) +504 234 9499 (24 hrs) +504 233 7114 (till 2200Z) AFTN: MHTGYMYX Fax: +504 233 8075 (till 2200Z) +504 234 9500 (24 hrs) Telex: 1523 Ho

*Via national ATS/MET units of Managua/Oma

Tel.: +505 233 1925 +505 233 1321 (MET) Fax: +505 233 1610
--

AIS (airport)
Fax: +505 233 1765

NOF TEGUCIGALPA

Tel.: +504 233 1141/42/43 +504 233 1349 +504 233 2407 AFTN: MHTGYNYX Fax: +504 233 1141 +504 233 1349
--

PAKISTAN

Volcano observatory or authority	Director, Geophysical Centre	Tel.:	+92 (81) 853 032
		Fax:	+92 (81) 853 032
	International Airways Volcano Watch Officer	Tel.:	+92 (21) 457 91300
			+92 (21) 457 91302
		Fax:	+92 (21) 921 8282
			+92 (21) 811 2885
NOF	KARACHI	AFTN:	OPKCYNYX
		Telex:	CIVILDROME KARACHI

PANAMA

Volcano observatory or authority	Instituto de Geociencias	Tel.:	+(507) 523 2071 +(507) 523 2072 +(507) 269 5744
		E-mail:	igc2@ancon.up.ac.pa
		Fax:	+(507) 263 7671
FIR	PANAMA		
ACC		Tel.:	+(507) 501 9807
		AFTN:	MPPCICPX MPZLZQZX
		E-mail:	mailto@aeronautica.gob.pa edgarcia@aeronautica.gob.pa
		Fax:	+(507) 501 9849/(507) 6393 0964
MWO	PANAMA	Tel:	+(507) 238 2611/2650
		AFTN:	MPTOYMYX
		E-mail:	meteortoc@aeronautica.gob.pa
		Fax:	+(507) 238 4678
NOF	PANAMA	Tel.	+(507) 238 2615,/2616
		AFTN:	MPTOYNYX
		E-mail:	aisnof@aeronautica.gob.pa
		Fax:	+(507) 238 2617

PAPUA NEW GUINEA

Volcano observatory or authority	Rabaul Volcano Observatory	Tel.:	+675 982 1699
		E-mail:	rv0@global.net.pg
		Fax:	+675 982 1004
FIR	PORT MORESBY		
ACC		Tel.:	+675 325 0931 +675 325 2160
		AFTN:	AYPMZRZX
		Fax:	+675 325 4094
FIC		Tel.:	+675 324 4821 +675 325 6787
		AFTN:	AYPMYSYX
		Fax:	+675 325 4094
MWO		Tel.:	+675 325 2788 +675 325 5544 +675 325 2755
		AFTN:	AYPMYMYX
		E-mail:	facilities@pngmet.gov.pg
		Fax:	+675 325 5201 +675 325 2740
NOF	PORT MORESBY	Tel:	+675 324 4724
		AFTN:	AYPMYNYX
		Fax:	+675 323 9885

PARAGUAY

**Volcano observatory
or authority**

FIR ASUNCIÓN

ACC

Tel.: +595 (21) 646 082
AFTN: SGASZRZX
SGZZMAMX
E-Mail: acc_sgas@dinac.gov.py
Fax: +595 (21) 646 081

MWO

ASUNCIÓN

Tel.: +595 (21) 646 095
AFTN: SGASYMYX
SGZZMAMX
E-Mail: aeronautica_dmh@dinac.gov.py
Fax.: +595 (21) 646 095

NOF

ASUNCIÓN

Tel.: +595 (21) 646 952
AFTN: SGASYNXX
SGZZMAMX
E-mail: ais.ad_nof@hotmail.com
Fax: +595 (21) 229 949

PERU

**Volcano observatory
or authority** Instituto Geofisico del Perú,
Arequipa Tel./Fax: +51 (54) 251 373
Contact: Mr. Orlando Macedo E-mail: omacedo@geo.igp.gob.pe

Instituto Geofisico del Perú,
Lima Tel.: +51 (1) 317 2325
Contact: Mr. Edmundo Norabuena E-mail: enorab@nazca.igp.gob.pe
Fax: +51 (1)317 2321

FIR LIMA-CALLAO

ACC Tel.: +51 (1) 708 1157
+51 (1) 708 1158
AFTN: SPIMZQZX
E-mail: acclima@corpac.gob.pe
jmontalvo@corpac.gob.pe

MWO LIMA-CALLAO Tel.: +51 (1) 708 1181
+51 (1) 708 1180
AFTN: SPZZMAMX
SPIMYMYX
E-mail: pronostico@corpac.gob.pe
Fax: +51 (1) 708 1180

NOF LIMA-CALLAO Tel./Fax: +51 (1) 414 1435
+51 (1) 708 1173
+51 (1) 708 1172
AFTN: SPIMYNYX
SPIMYOYX
E-mail: aisaro@corpac.gob.pe
Fax: +51 (1) 414 1435

PHILIPPINES

Volcano observatory or authority	Philippines Institute of Volcanology and Seismology	Tel.: Fax:	+63 (2) 426 1468 to 1479 +63 (2) 926 3225 +63 (2) 929 8961
FIR	MANILA		
ACC		Tel.: Tel./Fax: AFTN:	+63 (2) 8799 180 to 183 +63 (2) 759 9643 +63 (2) 851 0639 RPHIZRZX
FOBS		Tel./Fax: AFTN:	+63 (2) 832 3037 RPLLYIYX
MWO	Aviation Meteorological Service Office (AMSO), Philippines Atmospheric, Geophysical and Astronomical Services Administration (PAGASA)	Tel./Fax.: AFTN: E-mail:	+63 (2) 832 2927 +63 (2) 832 3023 +63 (2) 832 2596 RPLLYMYX pagasa.naia@pacific.net.ph
NOF	MANILA	AFTN: Fax:	RPLLYNYX +63 (2) 832 3037

PORTUGAL

Volcano observatory or authority	AZORES Joao Luis Gaspar Observatório Vulcanológico da Universidade dos Açores	Tel.: E-mail: Fax:	+351 296 650147 jlgaspar@notes.uac.pt +351 296 650142
FIR	ST. MARIA OCEANIC	Tel.: E-Mail Fax: AFTN:	+351 296 886 299 +351 296 820 400 smaoacc@nav.pt +351 296 886 863 LPPOZOZX
FIR	LISBOA		
ACC		Tel.: Telex:	+351 21 847 5018 12936 OCTAL P
MWO		Tel.: Telex:	+351 21 848 3961 12352 SIEMWR P
NOF	LISBOA	AFTN: Fax:	LPPPYNYX +351 (21) 847 1302

PUERTO RICO

**Volcano observatory
or authority**

FIR

ACC

MWO

Tel: +1 (787) 253 4586
AFTN: TJSJYMYX
E-mail: israel.matos@noaa.gov
Fax:

NOF

RUSSIAN FEDERATION

**Volcano observatory
or authority**

**KAMCHATKA AND
NORTHERN KURILES**

Dr. Olga Girina
Kamchatkan Volcanic Eruption
Response Team (KVERT)
Institute of Volcanology and
Seismology FED RAS

Tel.: +7 4152 302549
E-mail: girina@kscnet.ru
Internet: www.kscnet.ru/vs/kvert/index.html
Fax: +7 4152 302549

KURILES

Dr. Alexander Rybin
Sakhalin Volcanic Eruption
Response Team (SVERT)

Tel: +7 4242 791667
E-mail: rybin@imgg.ru
Fax: +7 4242 791517

FIR

PETROPAVLOVSK-KAMCHATSKY

ACC

Tel.: + 7 (415) 21 11 696
Fax: + 7 (415) 31 99 395
AFTN UHPPZRZX

MWO

Tel.: +1 (907) 271 5102

NOF

MOSKVA

AFTN: UUUUJYNYX
Telex: 411182 NOTAM

SOLOMON ISLANDS

Volcano observatory or authority	Water and Mineral Resources Division, Ministry of Energy, Water and Minerals	Tel.: Fax:	+677 27521/30867 +677 25811
---	--	---------------	--------------------------------

FIR HONIARA

ATS		Tel.:	+677 36430 +677 36106 +677 36326
		AFTN:	AGGHYSYX
		Fax:	+677 36775

MWO		Tel.:	+677 36309 +677 20046
		AFTN:	AGGHYMYX
		Fax:	+677 36618

NOF	HONIARA	AFTN:	AGGHYNYX
------------	---------	-------	----------

SPAIN

**Volcano observatory
or authority** Jesús Gómez González Tel.: +34 91 597 97 54
Subdirector General de Astronomía, E-mail: jggonzalez@fomento.es
Geodesia y Geofísica

Carmen López Moreno Tel.: +34 91 506 12 60
Directora del Observatorio Geofísico E-mail: clmoreno@fomento.es
Central

María José Blanco Sánchez Tel.: +34 922 28 70 66
Directora del Centro Geofísico de E-mail: mjblanco@fomento.es
Canarias

FIR BARCELONA

ACC Tel.: +34 (93) 4 79 71 38
Fax: +34 (93) 370 5250

MWO Tel.: +34 (91) 581 9751
+34 (91) 581 9748
Fax: +34 (91) 581 9743

FIR CANARIAS

ACC Tel./Fax: +34 (928) 577 063

MWO Tel.: +34 (928) 430 603
Fax: +34 (928) 430 607

FIR MADRID

ACC Tel.: +34 (91) 678 5101
Fax: +34 (91) 656 2571

MWO Tel.: +34 (91) 581 9751
+34 (91) 581 9748
Fax: +34 (91) 581 9743

NOF MADRID AFTN: LEANYNYX

SURINAME

Volcano observatory
or authority

FIR	PARAMARIBO		
ACC	PARAMARIBO	Tel.:	+597 325 203
		AFTN:	SMPMZRX
		E-Mail:	atssur@sr.net
		Fax:	+597 325 453
MWO	J.A. PENGEL INTL	Tel./Fax:	+597 325 206
		AFTN:	SMZZMAMX
		E-Mail:	meteozaan@yahoo.com
NOF	J.A. PENGEL INTL	Tel./Fax:	+597 325 270
		AFTN:	SMJPYFYX
		E-Mail:	aislvd@surimail.sr

TRINIDAD AND TOBAGO

Volcano observatory or authority	Seismic Research Unit University of West Indies St. Augustine	Tel.:	+1* (868) 662 4659
		E-mail:	sru@wow.net
		Internet:	http://www.wow.net/community/sru/ Homepage.htm
		Fax:	+1 (868) 663 9293
		Telex:	294 24520 WG

FIR PIARCO

ACC		Tel.:	+1 (868) 669 4852
		AFTN:	TTZPZQZX
		Fax:	+1 (868) 669 4259
		Telex:	CIVILAV TRINIDAD

MWO		Tel.:	+1 (868) 669 4392
		AFTN:	TTPPYMYX
		E-mail:	synop@tstt.net.tt
		Internet:	www.metoffice.gov.tt
		Fax:	+1 (868) 669 4727

NOF	PORT OF SPAIN	Tel.:	+1 (868) 669 4128
			+1 (868) 625 9843
		AFTN:	TTPPYNYX
		Fax:	+1 (868) 669 1716

* For Canada, United States and the Caribbean only.

UNITED STATES

**Volcano observatory
or authority**

ALASKA

University of Alaska Geophysical Institute
Fairbanks Tel.: +1 (907) 474 5530
Fax: +1 (907) 474 7290
Telex: 230 354 14 GEOPH INST FBK

Alaska Volcano Observatory
Anchorage Tel.: +1 (907) 786 7443
Fax: +1 (907) 786 7450

Alaska State Division
of Geological and Geophysical
Surveys
Fairbanks Tel.: +1 (907) 474 7430
Internet: <http://www.avo.alaska.edu>
Fax: +1 (907) 474 7290

CASCADES

Volcano Observatory
Vancouver, Washington Tel.: +1 (206) 696 7693
Fax: +1 (206) 696 7866

HAWAII

Hawaiian Volcano Observatory Tel.: +1 (808) 967 7328
E-mail: donswan@liko.wr.usgs.gov
Fax: +1 (808) 967 8890

LONG VALLEY CALDERA

Long Valley Caldera Monitoring,
USGS Tel.: +1 (415) 329 4795
E-mail: hill@andres.wr.usgs.gov
Fax: +1 (415) 329 5163

NEW MEXICO

Mount Erubus Volcano Observatory Tel.: +1 (505) 835 5995
E-mail: kyle@nmt.edu
Fax: +1 (505) 835 6436

FIR/CTA

Oceanic Anchorage Arctic,
Continental and Oceanic Tel.: Admin.:
+1 (907) 269 1119 (24 hrs)
+1 (907) 269 1103
AFTN: PAZAZRZX
Fax: Call 24-hour number and advise fax
incoming
+1 (907) 338 7230

MWO

Anchorage* Tel.: +1 (907) 271 5102

FIR

OCEANIC HOUSTON

ACC	Houston	Tel.:	Admin.: +1 (713) 230 5300 (24 hrs) +1 (713) 230 5560
		AFTN:	KZINZQZX
		Fax:	Call 24-hour number and advise fax incoming +1 (713) 230 5561
MWO	Miami	Tel.:	+1 (305) 536 5547
FIR	OCEANIC NEW YORK		
ACC	New York	Tel.:	Admin.: +1 (516) 468 1003 (24 hrs) +1 (516) 468 1080
		AFTN:	KZNYZQZX
		Fax:	Call 24-hour number and advise fax incoming +1 (516) 468 1428
MWO	N of N30 Kansas City	Tel.:	+1 (816) 426 3646
	S of N30 Miami	Tel.:	+1 (305) 536 5547
FIR	OCEANIC OAKLAND		
ACC	Oakland	Tel.:	+1 (510) 797 3200, Ext. 331 (24 hrs) Admin.: Ext. 469
		AFTN:	KZAKZRZX
		Fax:	+1 (510) 797 6519
MWO	W of E160 Guam	Tel.:	+1 (671) 344 4125
	S of N30 Honolulu	Tel.:	Admin.: +1 (808) 734 6630 (24 hrs) +1 (808) 734 6667
		AFTN:	PHZHZRZX
		Fax:	+1 (808) 734 2130
	N of N30 Kansas City	Tel.:	+1 (816) 426 3646
	S of N30 and E of W140 Miami	Tel.:	+1 (305) 536 5547
ACC	San Juan, Puerto Rico	Tel.:	+ 1 (787) 253 8719
		AFTN:	TJSJFYFX
		Fax:	+1 (787) 253 8718 +1 (787) 253 8709

NOF

WASHINGTON

Tel.: +1 (703) 904 4557
AFTN: KDCAYNYX (admin)
KDZZNAXX (NOTAM)
Fax: +1 (703) 904 4437
Telex: 892 562

*Also for MWOs Fairbanks and Juneau.

URUGUAY

**Volcano observatory
or authority**

FIR MONTEVIDEO

ACC

Tel.: +598 (2) 6040295
AFTN: SUEOZQZX
E-mail: jopdta@adinet.com.uy
Fax: +598 (2) 604 0298

MWO

MONTEVIDEO

Tel.: +598 (2) 200 1807
AFTN: SUMUYMYX
E-mail: dmae@adinet.com.uy
Fax: +598 (2) 604 0242

NOF

MONTEVIDEO

Tel: +598 (2) 604 0067
AFTN: SUMUYNYX
E-mail: ais@adinet.com.uy
Fax: +598 (2) 604 0067

VANUATU

Volcano observatory or authority	Institut de Recherche pour le Développement (IRD)	Tel.: E-mail: Fax: Telex:	678 22268 lardy@vanuatu.orstom.fr 678 23276 1111 VANTEX NH
FIR	NADI		
ACC	Contact: Duty Oceanic ATC Officer	Tel.: AFTN: Fax:	679 725 777, Ext. 4531/4515 NFFNZRZX 679 724 600
MWO	Contact: Principal Scientific Officer	Tel.: AFTN: Fax:	679 724 888 NFFNYMYX 679 720 190
NOF	NADI		

VENEZUELA

**Volcano observatory
or authority**

FIR	MAIQUETIA		
ACC		Tel./Fax:	+58 (212) 355 2216
		AFTN:	SVZMZQZX
		E-mail:	acc@inac.gov.ve
MWO	Maiquetia	Tel.:	+58 (212) 303 1522
		AFTN:	SVMIMYX
		E-mail:	ovmmaiquetia@inac.gov.ve
		Fax:	+58 (212) 303 1522
NOF	Maiquetia	Tel./Fax:	58 (212) 355 1325
		AFTN:	SVMIMYX
		E-mail:	nofmaiquetia@inac.gov.ve notam.maiquetia@inac.gov.ve

— END —