

THE CLIMATIC RESEARCH UNIT

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Message from: Mike Hulme

March 15, 1994

Message to: Name: Mr Edge, UK Met. Office
Address: Bracknell
Fax. number 0344 854906
Number of pages: 1

Dear Mr Edge,

Following our telephone conversation of last Friday I would like to request the following data:

1961-90 (or 1961-80) mean monthly normals for min and max temperature, precipitation, sunshine hours, relative humidity/vapour pressure, mean wind speed, raindays (>0.1mm) and frostdays (grass min. <0.0degC) for stations operated for British Territories abroad. Talking with Mr Eddie Spackman seemed to suggest the following stations may have relevant data:

Gibraltar	Nicosia
Pathos	A.N.Other (Greece)
Aldabra	Ascension Is.
St Helena	Port Stanley
(plus any others)	

These data are to be used by the Climatic Research Unit for a specific research project sponsored by the NERC, namely the construction of a gridded baseline climatology for global land areas. The project falls in the area of Global Environmental Change which makes this data request subject to the IACGEC Framework for Data Exchange to which the Met. Office is a signatory. The data will not be used unauthorised for any other project and will not be passed onto any third party.

Please let me know about the availability and terms of supplying the above data. Thank you.

Yours sincerely,

Dr M Hulme



DNMI

Det norske meteorologiske institutt

Dr M Hulme
University of East Anglia
Climate Research Unit
Norwich NR4 7TJ
England

Your reference:
Letter of 28 Oct 1993

Our reference:
/-BA

Date:
10. november 1993

1961-90 CLIMATOLOGICAL NORMALS

I am very sorry that it have taken us so long to answer your letters. The reasons are mainly as given in the letter you got from E.J. Førland. Another reason is that calculation of normals stopped because of other commitments that had to be fulfilled, but we have all the time hoped that we could start again. And in such situations is it easy to fall into the trap of postponing answering hoping that we soon will have more to send.

The mean temperature normals are at the moment the only ones that are published. The report and a disk (ASCII) are enclosed.

We have have not calculated normals for mean maximum and mean minimum temperatures, except for one or two stations that we needed them for.

Precipitation normals are calculated, but not published. E.J. Førland will have the report ready in printable form in a matter of days, and you will get one report and the data as soon as the report is printed.

We have so far not calculated normals for mean wind speed except for a few stations. The data have to be organized before they can be sent to you.

We have not calculated normals for relative humidity. It can be done quite rapidly for a few stations.

Normals for number of rain days will be sent together with the precipitation normals.

We have so few grass minimum temperature measurements, that number of frost days must be defined in an other way. We may be asked from an agricultural publication office to make a map of mean first and last day with minimum standard temperature below 0°C.

We do not have solar radiation normals, so I am instead sending you normals for cloud cover on the enclosed disk. The data are preliminary and should be used with care. The file have only station numbers.

The disk and the following precipitation data are sent to you without charge. The condition is that you do not use them commercially or give them to a third party. We probably must charge you for other data if you want them, because we have to do the calculations on overtime. We are at the moment changing the climate archives from ordinary file storage to a new database, and are really under a heavy workload.

We have earlier this year published a climate atlas of Norway together with the Norwegian Mapping Authority. I am pleased to send you one copy of the atlas which consists of one booklet and ten maps.

Yours sincerely

A handwritten signature in blue ink, appearing to read 'Bjørn Aune', with a horizontal line under the name.

Bjørn Aune

INSTITUTO NACIONAL DE METEOROLOGIA
SERVICIO DE CLIMATOLOGIA
SECCION DE INFORMACION CLIMATOLOGICA

1.- Datos usuario

Empresa: Pública, --- Privada --- Mixta
--- Organismo Oficial, --- Particular

D./Da..... DR M HULME
Nombre Empresa/Organismo..... UNIVERSITY OF EAST ANGLIA
Sector de actividad..... CLIMATIC RESEARCH UNIT.....Cod. CNAE.....
Cargo del peticionario..... RESEARCH SCIENTIST
CIF/NIF/DNI.....Domicilio.....
Localidad..... NORWICH.....Provincia..... NORFOLK
País..... UK.....C.P. NRA 7TJ
Teléfonos..... +603 573162.....Fax..... +603 507784.....Telex.....

2.- Información Meteorológica requerida:

Solicita para: I require monthly climatological normals based on 1961-90
for nine variables and for 38 Spanish stations

la siguiente información:

Nº de código del producto en el catálogo:

1 2 3 4
5 6 7 8

Si la información solicitada no se encuentra en el catálogo de productos,

describala a continuación: The variables I require are: mean monthly
maximum minimum and mean air temperature, precipitation total, mean wind
speed, sunshine hours (or solar radiation), relative humidity (or vapour pressure) and

Area geográfica: the number of raindays (>1mm) and ground frost days.

Spain - see attached list of 38 stations

Periodo de referencia..... 1961-90 AVERAGES

Frecuencia de suministro..... MONTHLY AVERAGES

Soporte..... DISKETTE

Una vez cumplimentada esta petición envíenla por: correo, --- fax, ---

otros, --- avisen para pasar a recogerla.

El abajo firmante se compromete a utilizar la información requerida para los fines especificado en este solicitud y citará siempre el origen de la misma en cualquier publicación o trabajo en que se use.

FECHA Y FIRMA

3.- Rellenar por la Administración.

3.1.- Unidad receptora..... Código.....

pase a Unidad ejecutora..... Código.....

Fecha ---/---/---/

3.2.- Unidad ejecutora

Fecha recepción ---/---/---/ Código petición...../...../.....

Fecha cumplimentación ---/---/---

3.3.- Forma de entrega

Por correo: fecha de envío ---/---/---

Por fax: fecha envío ---/---/---

Otros: tipo de envío..... Fecha ---/---/---/

Personalmente: fecha recogida ---/---/--- Firma usuario:



Instrucciones para cumplimentar el impreso

1.- Datos usuario

Debe poner una X delante del tipo de usuario que sea.

D/D^a. Nombre y dos apellidos de la persona que hace la petición

Si es empresa u organismo oficial deberá rellenar el nombre, sector de actividad de la empresa y código CNAE (si lo sabe), cargo del peticionario, CIF/NIF/DNI, domicilio y teléfonos/fax.

2.- Información Meteorológica requerida

Describir brevemente para que fines solicita la información.

Area geográfica del que solicita la información: indicar Coordenadas ó Comunidad Autónoma ó provincias ó municipios ó indicativos hidrológicos ó cuencas de ríos.

Periodo de referencia: periodo de tiempo del que se solicita la información. Si se piden datos climatológicos se deberá especificar el primer y último año del periodo.

Frecuencia de suministro: frecuencia con que desea se le suministre la información en lo sucesivo (ej. petición única, diaria, semanal, etc).

Soporte: (papel, diskettes, cinta, etc.).

UK Met. Office



Meteorological Office (UKMO) data supplied through NERC Data Centres to bona fide research programmes.

Conditions of Use

Arrangements have been set in place whereby bona fide academic researchers working on agreed NERC-endorsed scientific programmes may obtain access on favourable terms to UKMO data (and associated software). To streamline the process, UKMO is providing relevant datasets / software 'wholesale' to NERC and NERC will then undertake the subsequent sublicensing and distribution to individual scientists.

The British Atmospheric Data Centre and the British Oceanographic Data Centre will handle requirements for the atmospheric and oceanographic user communities respectively. Requests for UKMO data / software should therefore be sent to the appropriate Data Centre and not directly to UKMO.

UKMO data / software so obtained may be used solely for the purpose for which they were supplied. They may **not** be used for **any** other projects unless specific prior permission has been obtained in writing from the UKMO by a NERC Data Centre. Note that this applies even for other bona fide academic work.

UKMO does not discourage the use of its data for commercial applications, but different licensing arrangements and charges will apply. Should any commercial prospects emerge subsequent to the original supply of the data, the licensing position must be clarified, and any appropriate fees negotiated with UKMO before such prospects are followed up.

Data sets must not be passed on to third parties under **any** circumstances. Any scientist requiring data which happens to have been supplied already to someone else, even within the same institute or programme of research, **must** first approach one of the NERC Data Centres, who have agreed to maintain records of data users for UKMO.

Once the project work using the data has been completed, copies of the datasets and software held by the end user should be deleted, unless permission has been obtained for them to be retained for some alternative use.

It is to be expected that 'bona fide academic research' using the data will eventually result in scientific publications in the open literature. The Data Centres will request details of such publications in due course, and if they do not arise UKMO may seek further evidence that this was at least the intention at the outset of the research. Scientific papers must give due credit to UKMO, either through acknowledgement or, if the data provide a significant basis of the work, co-authorship. Any processed / derived datasets resulting from the project should be made available to the appropriate NERC Data Centre for licensing / transfer to other researchers and the UKMO.

The copyright / intellectual property rights of any data, software, information or documentation so supplied by UKMO in support of such a programme are retained by the original owner (generally the UKMO or its subcontractors). UKMO will protect its IPR by

legal action if there is misuse of these rights such as the passing on of data to other third parties. **NERC recognises that some data holdings supplied by UKMO under the arrangements are commercially valuable : the recipients of data are under an obligation to respect the terms and conditions of data supply, and to have regard to the security of datasets entrusted to them.** Any infringement, whether by deliberate abuse or negligence, will be regarded extremely seriously by NERC, as endangering Council's own reputation and the integrity of the NERC supported scientific community. The introduction of sanctions against individuals or Departments may be considered if breaches occur.

Warranty and Liability :

The data were originally collected for the purposes of UKMO, and no warranty is given as to their suitability for use by the recipient.

NERC and its subcontractors shall have no liability for any loss, damage, claim, demand, cost or expense directly or indirectly arising from any use, receipt or supply of data under this agreement.

The User undertakes to keep NERC fully and effectively indemnified against all losses, damages, claims, demands, costs and expenses which NERC or its subcontractors may incur as a result of any breach by the User of any term contained within the Agreement between UKMO and NERC.

NERC shall have no liability to the User or any third party for loss of profits or revenue, or loss of use or abortive expenditure, or death or personal injury, or any other indirect or consequential loss however arising (including, without any limitation, whether from breach of contract), except for death or personal injury caused by the negligence of NERC.

Excess Charges

Any additional, or interest, charges incurred by NERC as part of the Agreement with UKMO will be passed on to the User if they occur as a consequence of delayed payment to NERC or its subcontractors.



TECHNICAL AFFAIRS DIRECTORATE

REF : TAM/9/C5.2/11

DATE: 12TH FEB. 1994

**DR. P.D. JONES
DR. M. HULME
UNIVERSITY OF EAST ANGLIA
NORWICH NR4 7TJ
ENGLAND**

Dear Sir,

**Thank you for your letter dated 28th Jan. 1994 requesting
Climatological Data for Bahrain.**

**I am glad to be of assistance to you and data requested is
enclosed.**

**Please do not supply this data to third parties, unless
authorized by us.**

**Should you require any further information or advice, please do
not hesitate to contact us.**

Yours faithfully,

**MOH'D KHONJI
HEAD AIR TRAFFIC SERVICES.
FOR
MOH'D A. RAHMAN AL KHAN.
DIRECTOR TECHNICAL AFFAIRS.**

Encl;

AR/FAM.