

Santa Fe de Bogotá, octubre 6 de 1997
IR-BOG-3500

Doctor
HUGO SIN TRIANA
Director Encargado
Centro de Cómputo
Universidad de los Andes
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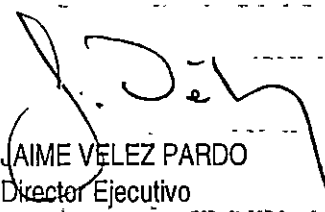
interRed
INTERNET CETCOL

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Apreciado doctor :

De manera atenta y en atención a su gentil solicitud telefónica, me permito remitir copia de la información de NETSAT.

Cordial saludo,


JAIME VELEZ PARDO
Director Ejecutivo

Anexo.

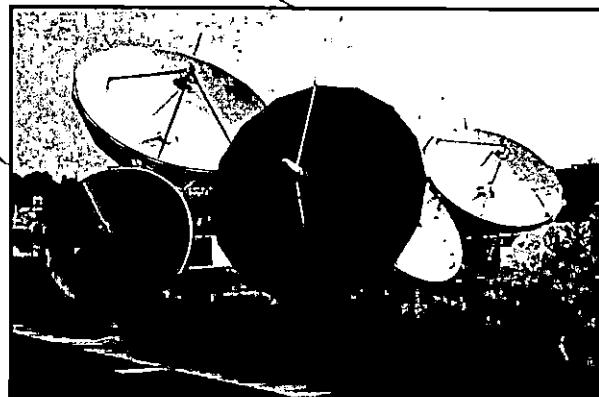
c.c. consecutivo
Carpeta Uníandes



INTERNET *via* SATELLITE

● NETSAT specializes in providing low-cost International Internet connectivity using satellite communications to Internet Service Providers and cable TV group located in

Europe, Middle East, Africa and South America with 5 geostationary satellites.

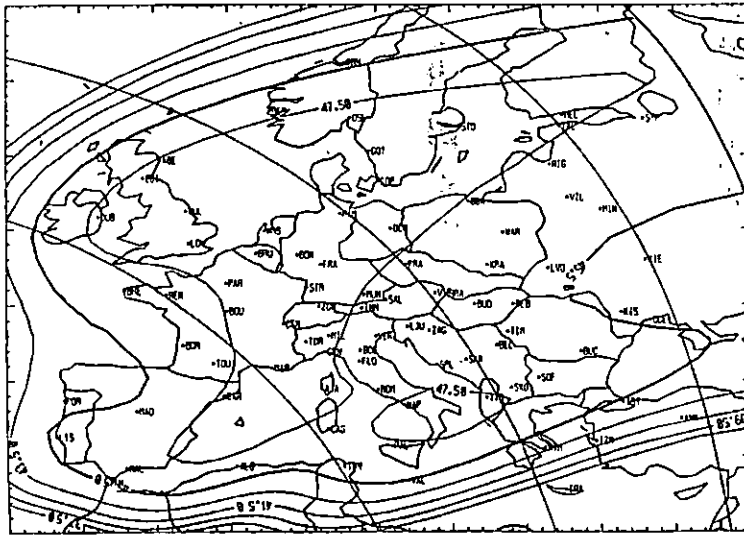


● By using point-to-point satellite links to provide Internet backbone infrastructure, a practice which has taken off rapidly in the last 12 months. Thanks to Netsat, many service providers in Europe are today using satellite links to gain access to the main Internet exchanges in the USA.

line. In addition, the packages offered show the satellite product to be extremely cost-competitive in comparison to fixed network solutions. One reason for this is that the only local loop resource which is dedicated to an individual customer is the terminal equipment.

rapid and cost-effective manner. It is well suited to the asymmetric nature of most intranet and Internet transactions, as it requires that capital investment be made only where there is demand, and it can be deployed and redeployed with relative ease.

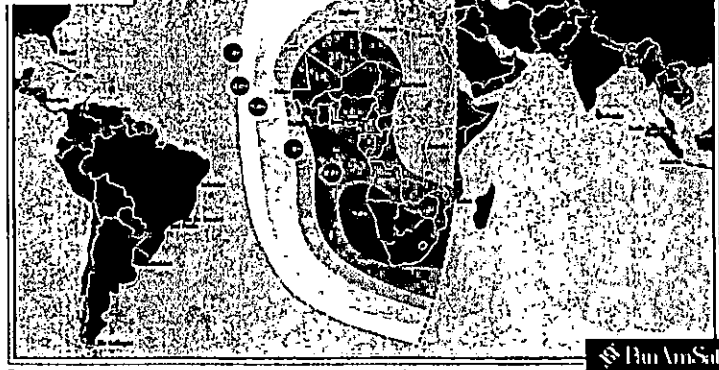
By using satellites and digital But Satellite is also ideal for



Europe

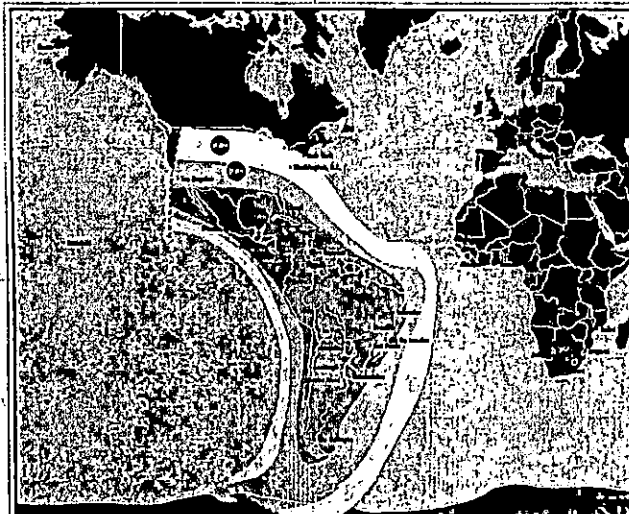
12 COUNTRIES, 40 CITIES CONNECTED :

AMIENS - ANGERS - ANNECY - AIX EN PROVENCE
 BARCELONA - BESANÇON - BEIRUT - BILBAO
 BORDEAUX - BRATISLAVA - CAIRO - CHARLEROI
 COLMAR - GENEVA - GILBRALTAR - GRENOBLE
 GUADELOUPE - ISTANBUL - IVRY SUR SEINE
 LE MANS - LEVALLOIS - LILLE - LISBON - LYON
 MADRID - MARSEILLE - MARIBOR - MELUN
 MONTPELLIER - NICE - NÎMES - PARIS
 POINTE À PITRE - REIMS - RYAD - SÉVILLE
 SÈVRES - STRASBOURG - VERSAILLES - VIENNA



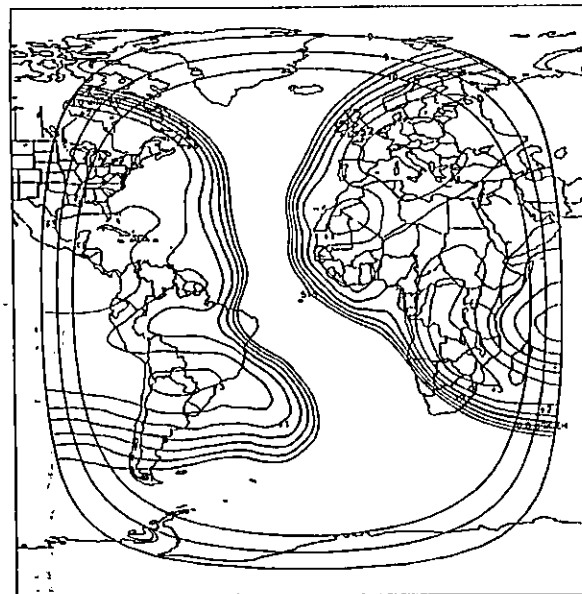
PAS-3 Africa Beam • G-Band
 EIRP Levels

Africa



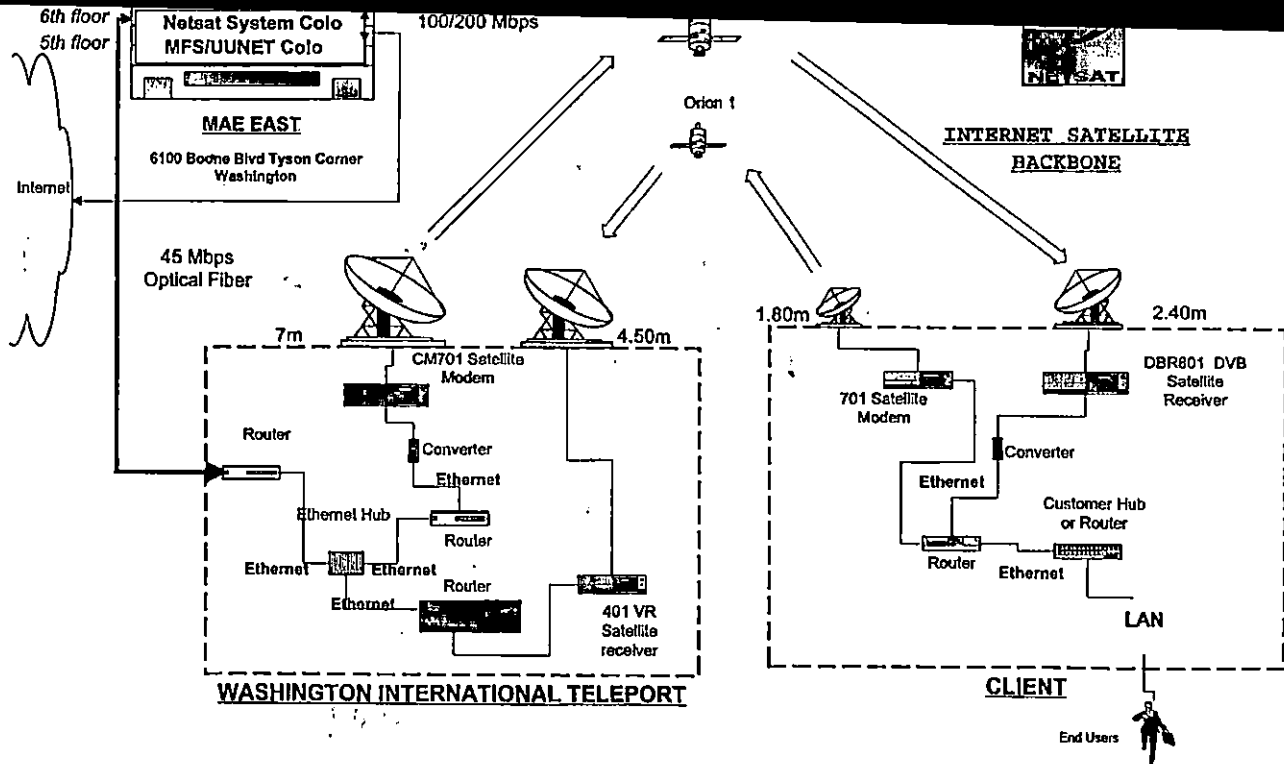
PAS-3 Pan-American Beam • G-Band
 EIRP Levels

South America



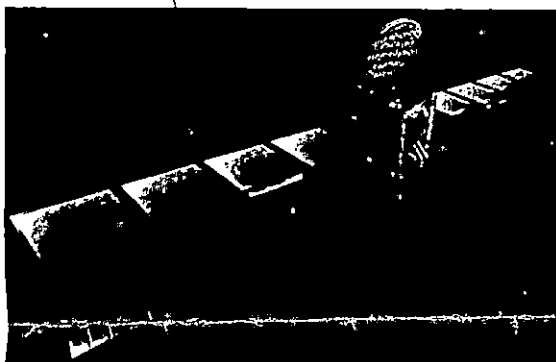
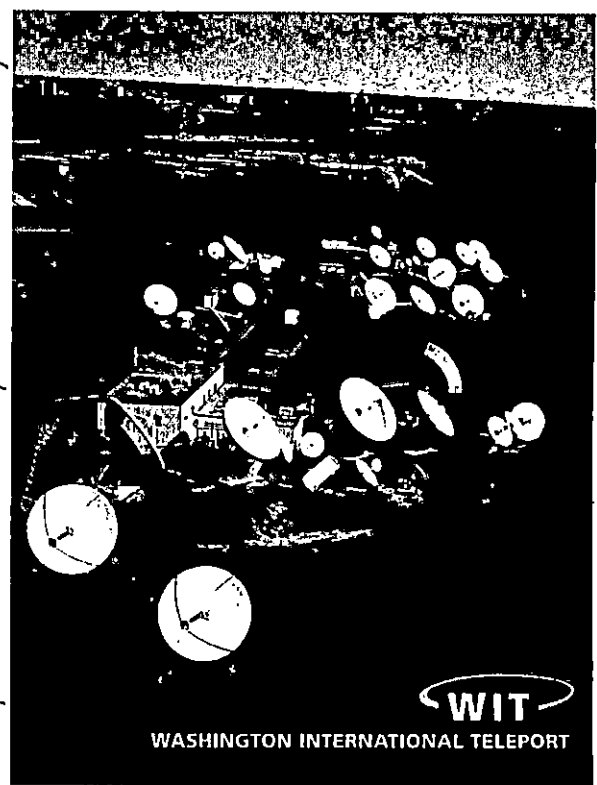
Middle East

The Pacific Asia Region is not illustrated, but we are covering it by our services.



● NETSAT provides a direct, single hop point-to-point satellite link into the US Internet backbone at MAE EAST for global routing of an ISP's Internet traffic. NETSAT offers a which provides exclusively a CIR data rate (Committed Information Rate). This is a full dedicted bandwidth guaranteed for the circuit of each client.

When NETSAT data traf-
fic lands in Washington
at Washington Interna-
tional Teleport, it is
connected by optical
fiber DS3 (45 Mbps) to
the MAE-EAST facility
where NETSAT Systems
Inc. resides and also
our first Internet back-
bone provider, UUNET.



Global routing of NETSAT traffic occurs with this backbone provider, and is routed back to NETSAT at MAE EAST for trans-
mission by satellite on the return path to NETSAT client's satellite earth stations in their own countries.

its clients with a turnkey installation that includes a comprehensive audit of the installation requirements.

NETSAT:

- Quantifies and qualifies traffic of the Internet Service Provider (ISP) to determine capacity required.
- Supplies spatial segment and the Internet-world traffic including port peering

- feed.
- Surveys the physical site to determine the installation requirements of the station.
- Installation of the outdoor satellite equipment, indoor

ly plugged into the LAN work of the ISP.

After service starts, NETSAT offers a remote monitoring service to ensure smooth operation of the client circuit. Redundant configurations and back-up are added to the configuration.

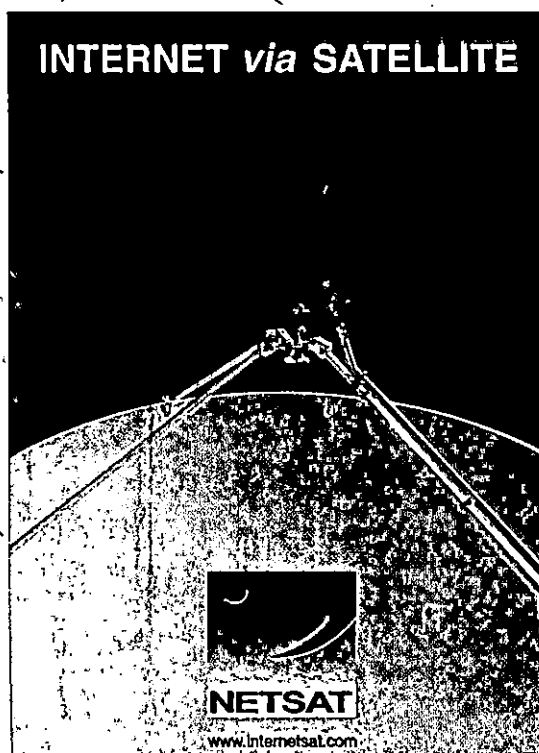


● CORPORATE NOTE :

NETSAT was created as a business unit within SDCV (opera-

tor of Teleport de Paris) in May 1996, and NETSAT Systems Inc. was created in August 1996. NETSAT began

to install satellite earth stations in the French market in August 1996, and is now present in 12 countries.



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