From wlewandowski@si.bipm.fr Fri Jul 31 13:11:20 EDT 1998
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From: "W. Lewandowski"
Subject: Time laboratories equipped with GLONASS
To: jimr@maia.usno.navy.mil
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Hi Jim,

During IGS/BIPM pilot project meeting at BIPM I promised you list of time laboratories equipped with GPS+GLONASS and GLONASS receivers and participating in IGS GLONASS EXPERIMNET (IGEX)(with exception of TL, LDS, IEN, RAI and NPLI). You will find them below ion Table 1. In Table 2 I am providing information on receivers.

The interesting thing is that these laboratories during IGEX (begins in Sepember) will be already to some extend time+geodesy laboratories, what is planned in the IGS/BIPM pilot project. R-100/30 receivers have capability to provide regular time measurements based on code, and phase measurements in RINEX. In fact during IGEX phase measurements will be not used for timing, but because R/100-30 receivers are combined timing/geodetic receivers this will be facilitated in the future.

I hope this information will useful for you. If you need more precisions please let me now. Note that I will be on vacations until August 25.

Sincerely,
Wlodek Lewandowski

TABLE 1

Lab	nom	e-mail	city	country	equipment
USNO	D. Matsakis	dnm@orion.usno.navy.mil	Washington DC	USA	R-100/30
NIST	T. Parker	tparker%planck.dnet@clock.bldrdoc.gov	Boulder, Colorado	USA	R-100/30
VSL	G. de Jong	gdejong@nmi.nl	Delft	Pays Bas	R-100/30
ORB	P. Paquet	paulpaq@oma.be	Bruxelles	Belgique	R-100/30
CRL	M. Imae	imae@crl.go.jp	Tokyo	Japan	R-100/30
BIRM		time@public3.bta.net.cn	Beijing	Chine	R-100/30 and ASN-16
CSIR	G. Pialat	GYPialat@csir.co.za	Pretoria	Afrique du Sud	R-100/30
NPL	J. Davis	john.davis@taf.npl.co.uk	Teddington	Grande Bretagne	R-100/30
DLR	J. Hahn	Joerg.Hahn@dlr.de	Oberpfaffenhofen	Allemagne	R-100/30
TL	Dr Kytu	kytu@ms.chttl.com.tw	Chung-Li	Taiwan	R-100/30
IEN	F. Cordara	metf@dns.ien.it	Turin	Italy	GNSS-300T
RAI	M. Stavinschi	mstavinschi@roimar.imar.ro	Bucarest	Roumanie	GNSS-300T
OP	M. Granveaud	lptfop@opdaf1.obspm.fr	Paris	France	R-100/30(being ordered)
AOS	J. Nawrocki	nawrocki@cbk.poznan.pl	Borowiec near Poznan	Pologne	R-100/30 + SLR station
VNIIFTRI	N. Koshelyaevsky	atime@dionis.iasnet.ru	Mendeleevo near Moscow	Russie	ASN-16 and Z-18 (probably Ashtech lend)
RIRT	V. Zholnerov	bogdanov.rirt.spb.su	St Petersbourg	Russie	ASN-16 and Z-18 (probably Ashtech lend)
LDS	P. Daly	een6pd@elec-eng.leeds.ac.uk	Leeds	Grande Bretagne	Spot (home-made GPS+GLONASS receiver)
NPLI	P. Banerjee	banerjee@csnpl.ren.nic.in	New Delhi	Inde	GNSS-300T
NML	P. Fisk	Peter.Fisk@dap.csiro.au	Sydney	Australie	R-100/30
AUS	J. Luck	JohnLuck@@auslig.gov.au	Canberra	Australie	
BIPM	W. Lewandowski	wlewandowski@bipm.fr	Sevres	France	R-100/30
IFAG	G. Weber	weber@ifag.de	Frankfurt am Main	Allemagne	3S Navigation geodetic receiver

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TABLE 2

Manufacturers of GLONASS receivers

Address	e-mail	Products
3S Navigation 4, Executive Circle Suite 200 Irvine, CA 92614 USA Personne a contacter: Jacques Beser	Nav3Sx@aol.com	1) R-100/30 GPS+GLONASS time receiver includes: C/A-code 12 channels GPS+GLONASS P-code dual-frequency GLONASS as many channels as requested 2) GNSS-300T: GPS+GLONASS time receiver 18 channels C/A-code, one frequency (navigation version similar to Ashtech GG24)
Ashtech 1170 Kifer Road Sunnyvale, CA 94086 USA Personne a contacter: Len Kruczynski Director of Strategic Relationships	len@ashtech.com	1) GG24 GPS+GLONASS navigation receiver similar to 3S Navigation GNSS-300 navigation version C/A-code 24 channels one frequency 2) Z-18 dual-frequency 18 channels GPS+GLONASS receiver designed for the needs of IGEX-18
Russian Institute of Radionavigation and Time (RIRT) 2, Rastrelli Square St Petersbourg, 193124 Russie Personne a contacter: Prof. V. Zholnerov, e-mail: bogdanov@rirt.spb.su		ASN-16 navigation receiver adapted for the needs of one-channel C/A-code time transfer. We know few things about this receiver. Unlikely to be used for IGEX-98.

R-100/30 receiver in addition to stantard time maesurements records carrier phase measurements in RINEX format. This receiver is suitable for IGEX-98.

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