



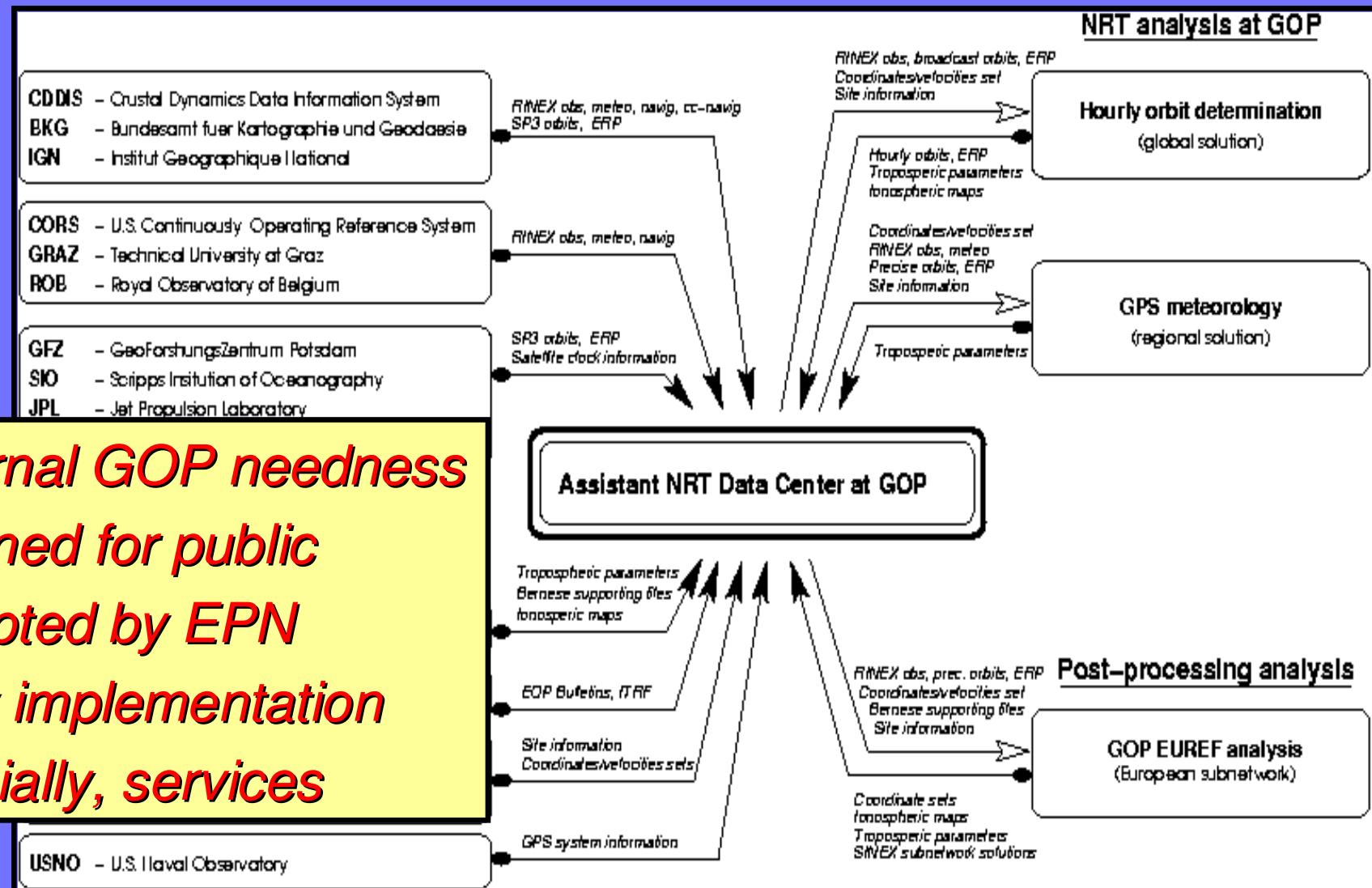
Short report on the GOP EPN data centre

Jan Douša

EUREF TWG, Prague, Nov 2004



data centre at GOP (nrt data)





GPS data & product content

Data :

- hourly RINEX data
 - EUREF sites
 - IGS sites
 - Czech/Slovak sites
 - special projects
(COST-716, TOUGH)
- (- daily RINEX data)
 - concatenated

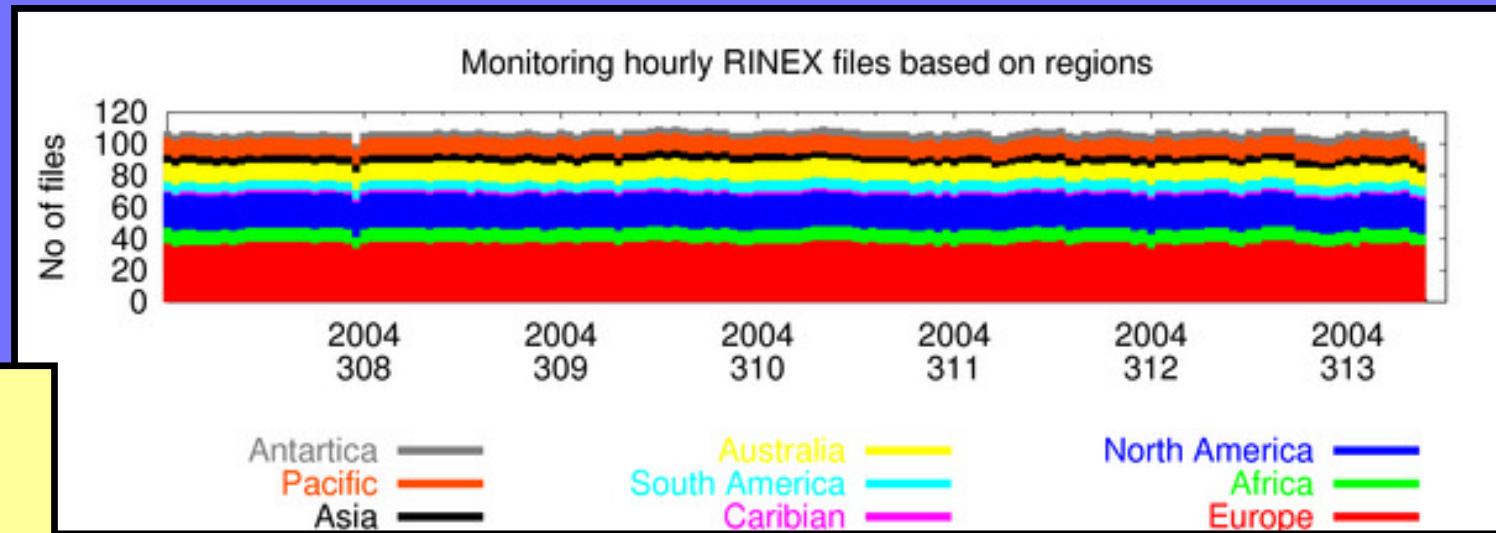
Products :

- IGS orbits/EOP, clocks...
- GOP orbits, ZTD, CRD...

Informations :

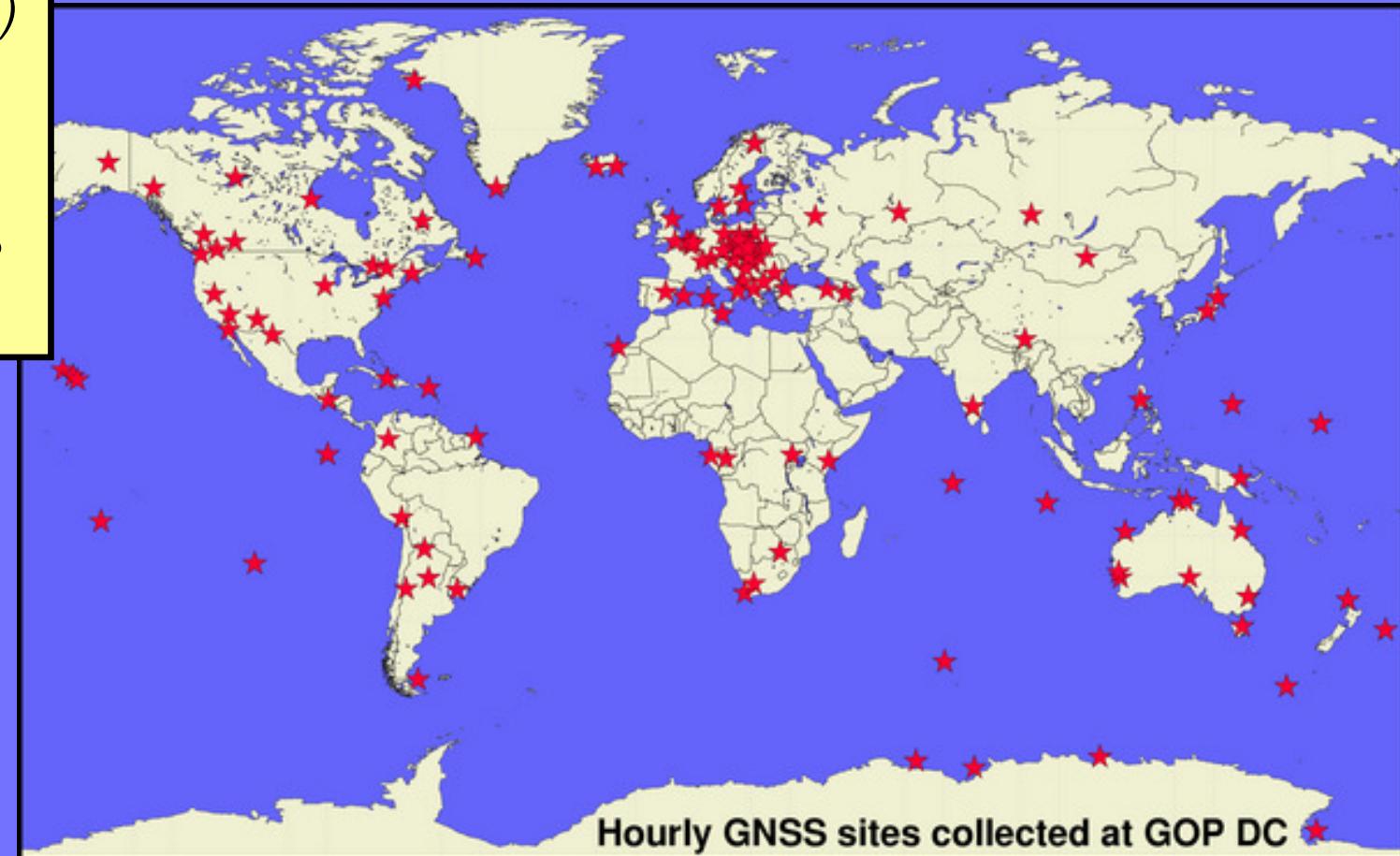
- site extractions, GPS, ...
- RINEX quality, availability





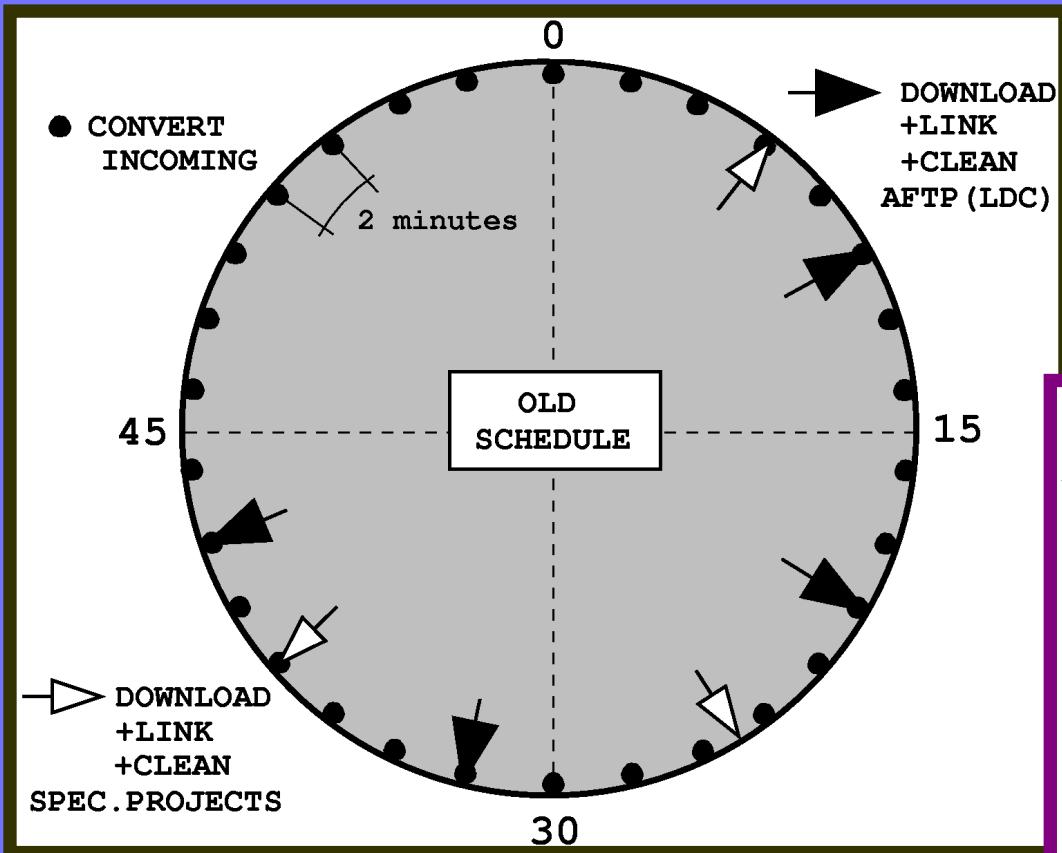
Basic inputs :

- mirroring
(part of directories)
- incoming data
(actually 14 sites)
- extra-downloads
(missing files)

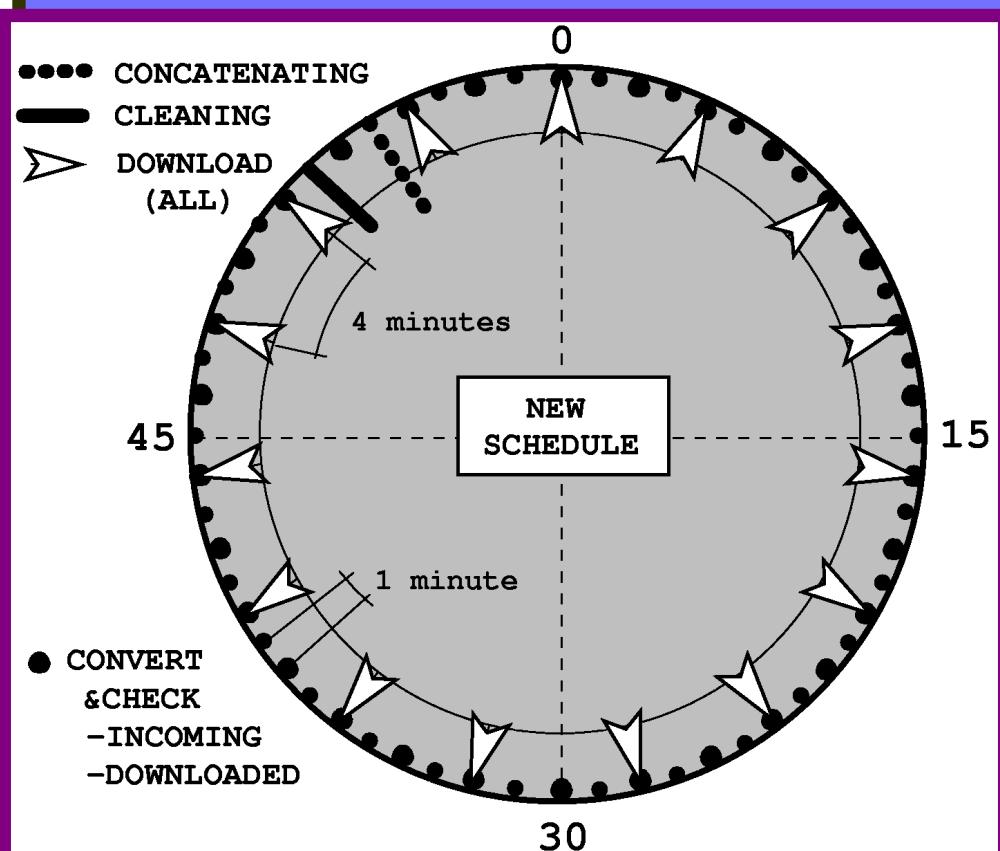




aims for a new implementation



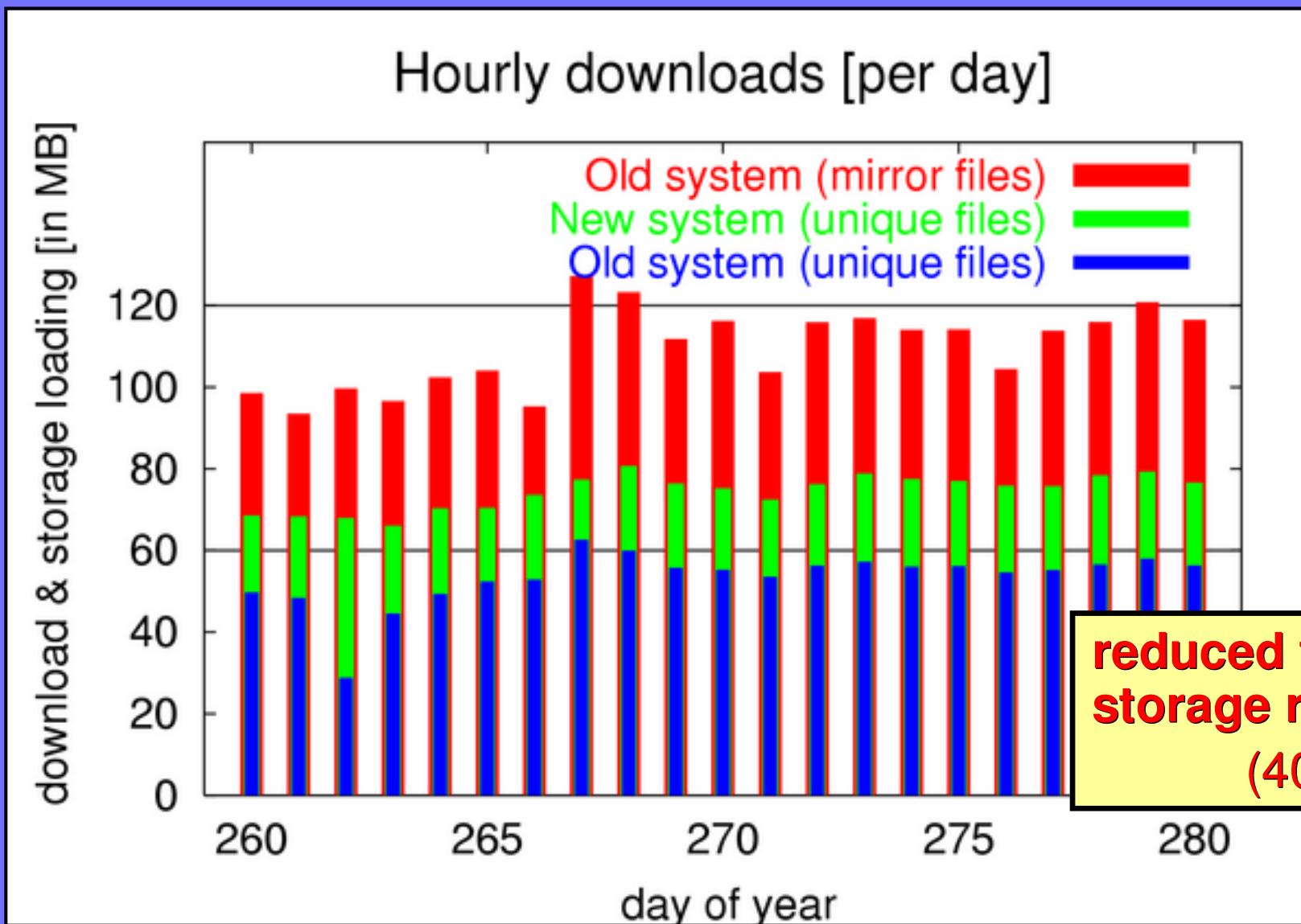
- more frequent run
- non-redundancy in getting
- extensive parallelizing
- dynamic source switching



- easier configuration
- monitoring & maintenance
- support additional services



new implementation - results (1)

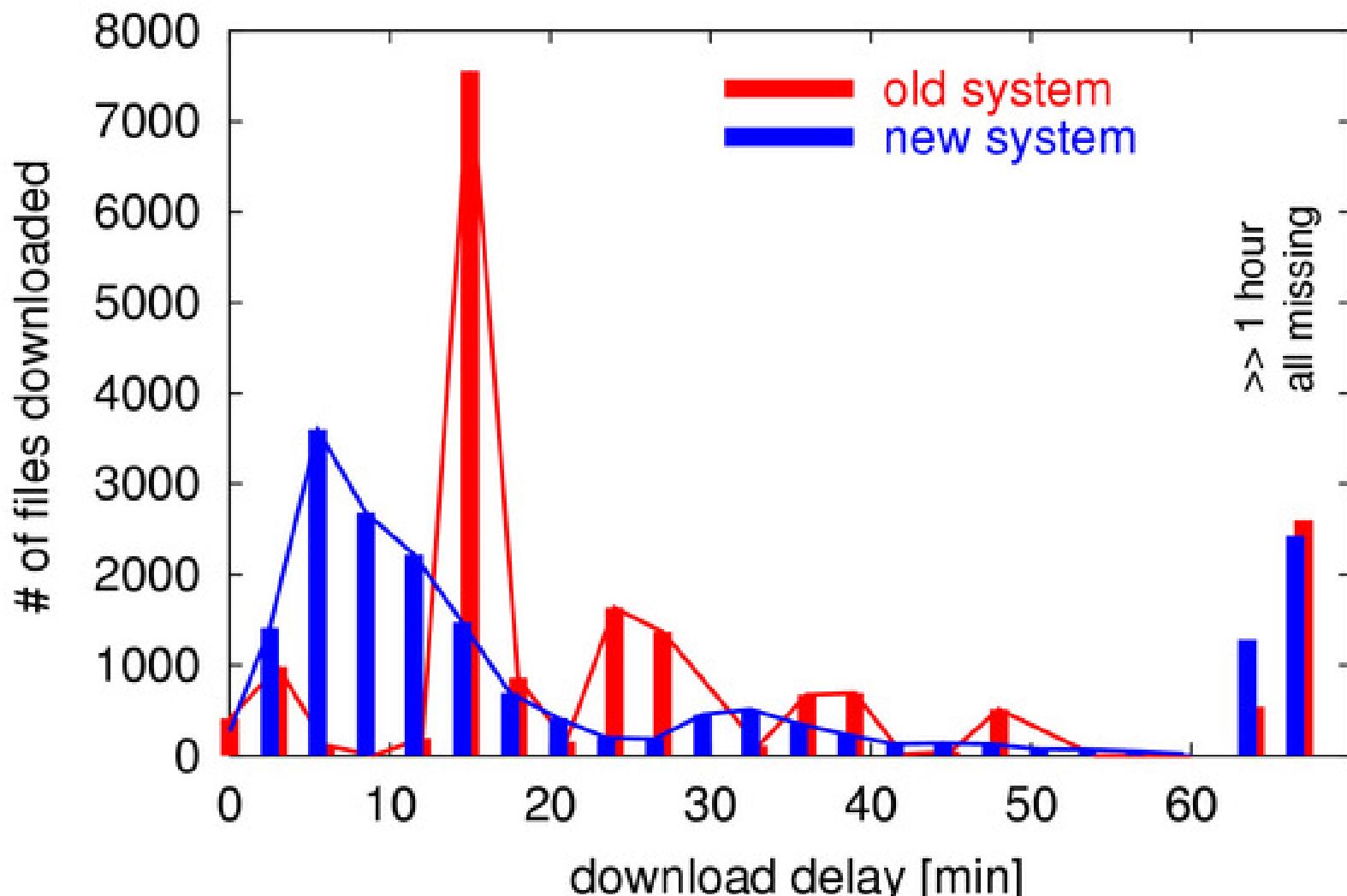




new implementation - results (2)

Hourly download statistics

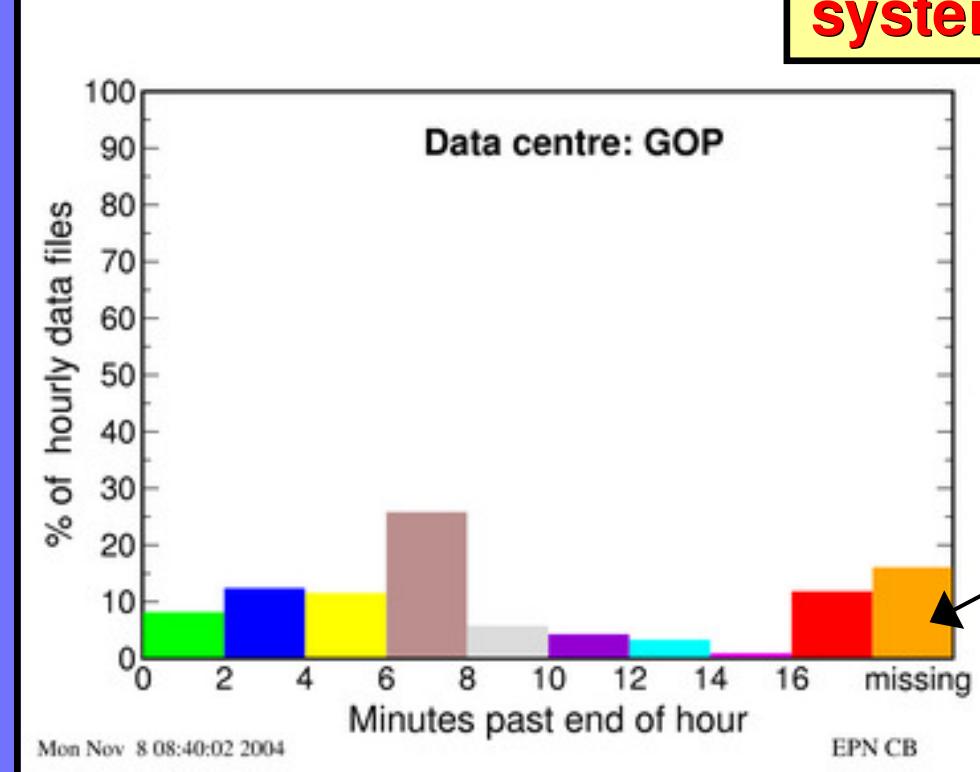
better data NRT availability



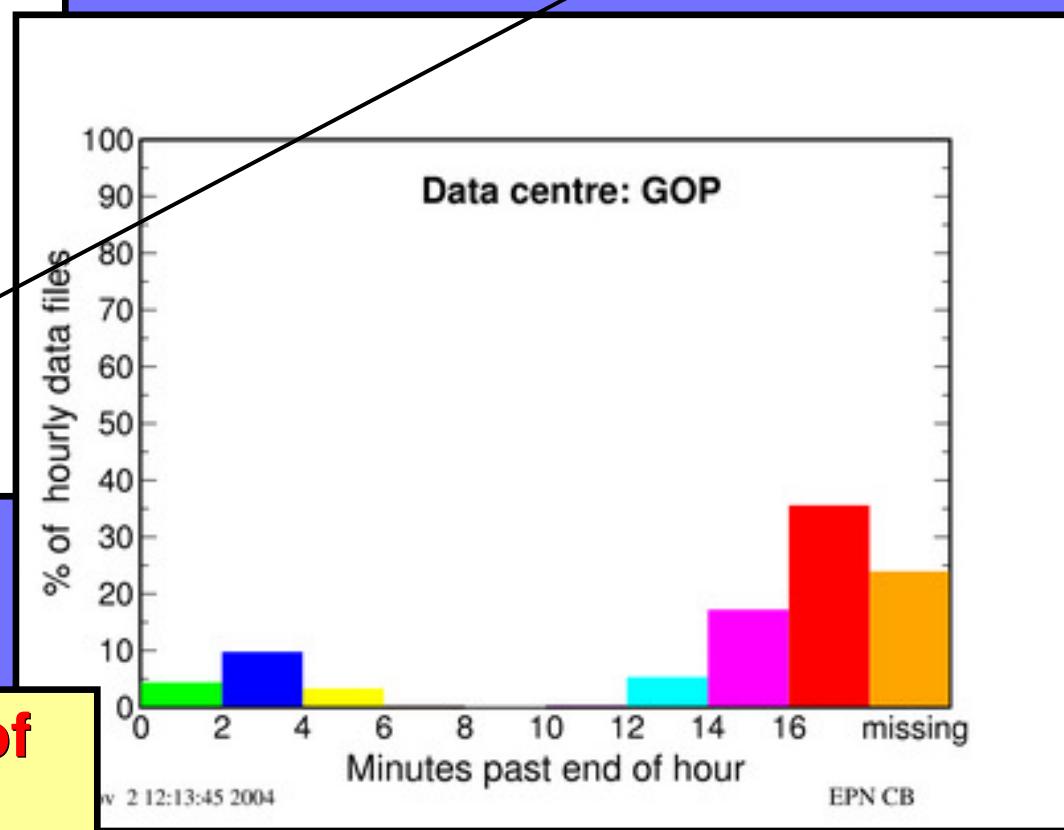


EPN / CB monitoring

official monitoring of the new system



mostly inactive stations



official monitoring of
the old system



daily RINEX files

cc-teqc_day: 2004:311 [20041106000000-20041106235930] at 11/07/04 03:40:02

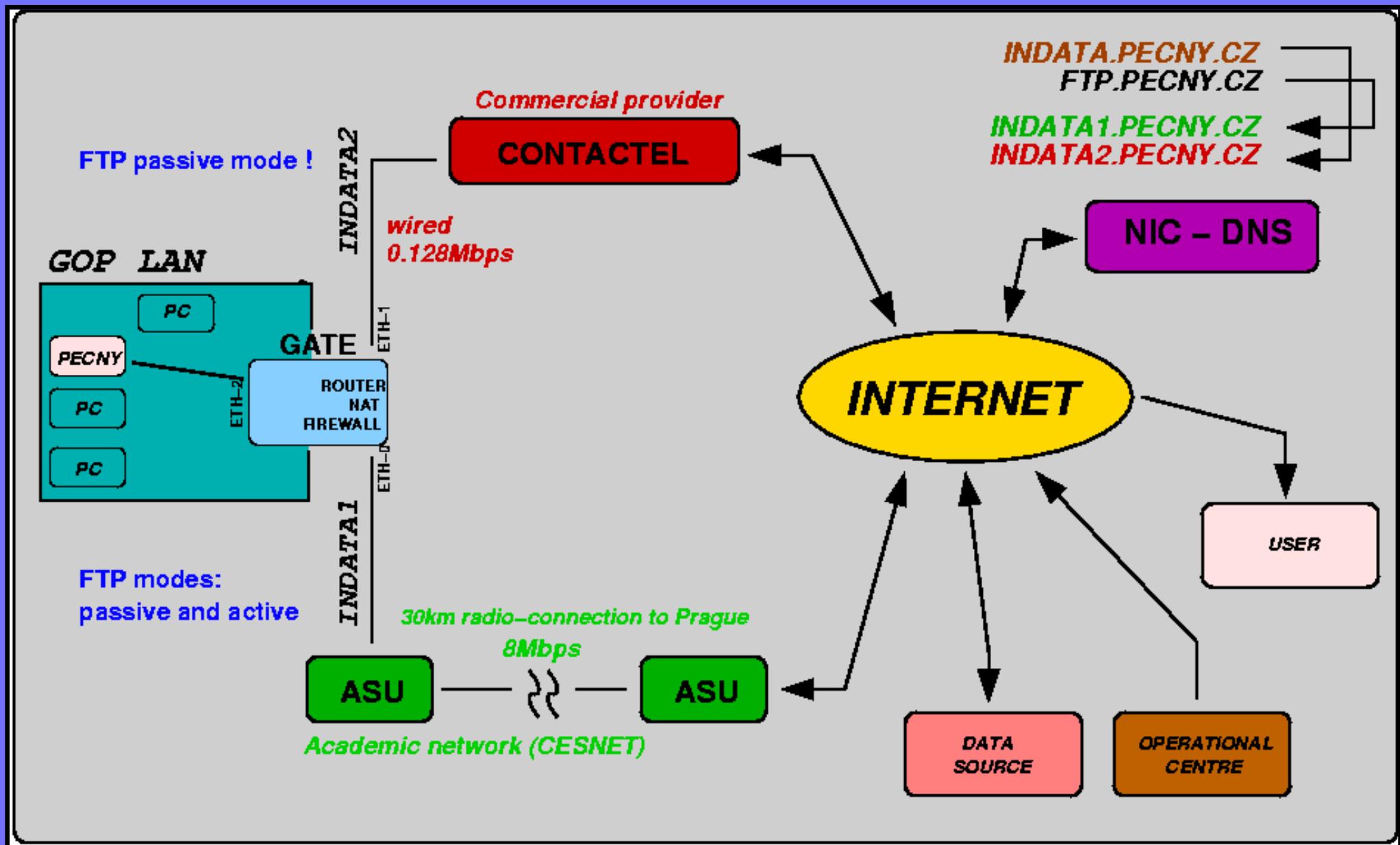
ALBH	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
ALGO	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
AQUI	2004/311	0	:	- = minF
AREQ	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
ARTU	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
AUCK	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
BAN2	2004/311	23	:	A B C D E - G H I J K L M N O P Q R S T U V W X = minF
BBYS	2004/311	23	:	A B C D E F G H I J K L M N O P Q R S T U V W - = minF
BOR1	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
BRUS	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110
CHAT	2004/311	0	:	- = minF
CHUR	2004/311	24	:	A B C D E F G H I J K L M N O P Q R S T U V W X = 3110

cc-teqc_day: 2004:311 [20041106000000-20041106235930] at 11/08/04 03:46:41

ALBH	2004/311	0	:	albh3110.04d.Z .. exists = .ok.
ALGO	2004/311	0	:	algo3110.04d.Z .. exists = .ok.
AQUI	2004/311	0	:	- = minF
AREQ	2004/311	0	:	areq3110.04d.Z .. exists = .ok.
ARTU	2004/311	0	:	artu3110.04d.Z .. exists = .ok.
AUCK	2004/311	0	:	auck3110.04d.Z .. exists = .ok.
BAN2	2004/311	23	:	A B C D E - G H I J K L M N O P Q R S T U V W X = 3110
BBYS	2004/311	23	:	A B C D E F G H I J K L M N O P Q R S T U V W - = 3110
BOR1	2004/311	0	:	bor13110.04d.Z .. exists = .ok.
BRUS	2004/311	0	:	brus3110.04d.Z .. exists = .ok.
CHAT	2004/311	0	:	- = minF
CHUR	2004/311	0	:	chur3110.04d.Z .. exists = .ok.

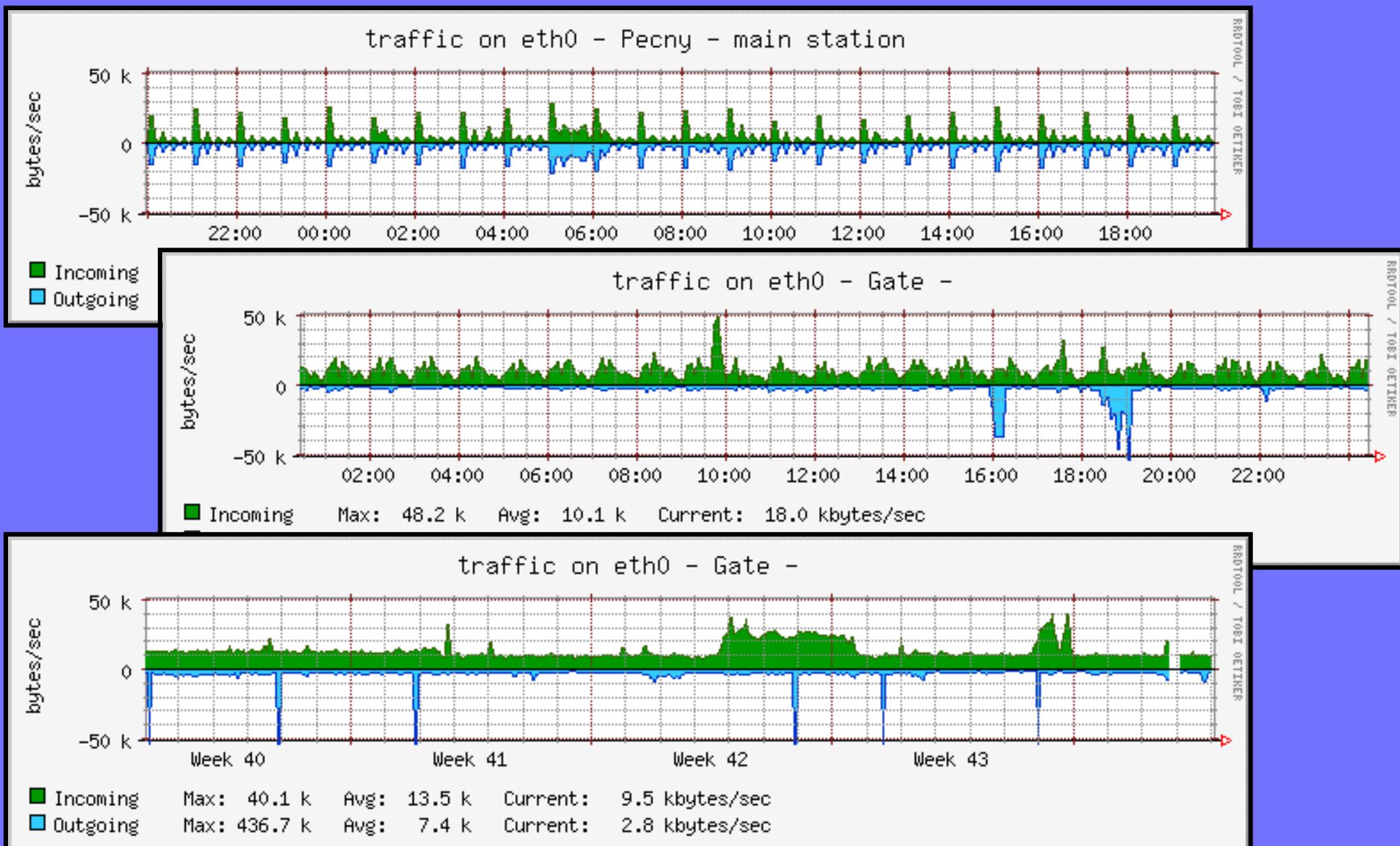


IT alternatives, FTP passive × active





monitoring system at GOP





summary

current status and developments:

- ❖ new implementation - reduced storage, traffic and latency!!!
- ❖ new services - daily files, data checking and monitoring, ...
- ❖ web-based monitoring system of the GOP AC/DC activities:
 - ❖ quality, availability, requirements, ...
 - ❖ input data & products; output products
 - ❖ HW, SW, internet

future:

- ❖ collecting new sites from Czech (? Slovak) permanent GPS networks (at least from 'research/academic' GPS sites)
- ❖ integrated collecting the data from available RT streams ?