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Semaine de tests VTHD: du 22 au 26 avril 2002

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Vous pouvez télécharger [ici](#) (taille:environ 10M, test_22-260402.tar.gz) une archive des tests.

Liste des tests:

- [Test avec WAGON uniquement](#)
 1. Test en mode Best Effort(BE): [Test 1](#)
 2. Test en mode AF TCP: [Test 2](#)
 3. Test en mode AF TCP + controle d'accès(CA): [Test 3](#)
- [Test avec toutes les applications](#)
 1. Test en mode Best Effort(BE): [Test 14](#)
 2. Test en mode AF TCP: [Test 15](#)
 3. Test en mode AF TCP + controle d'accès(CA): [Test 16](#)

Timing des tests:

[Timing](#) des différents tests incluant WAGON.

Présentation des résultats:

Pour chaque test, nous avons tracé une serie de 8 graphiques (au minimum):

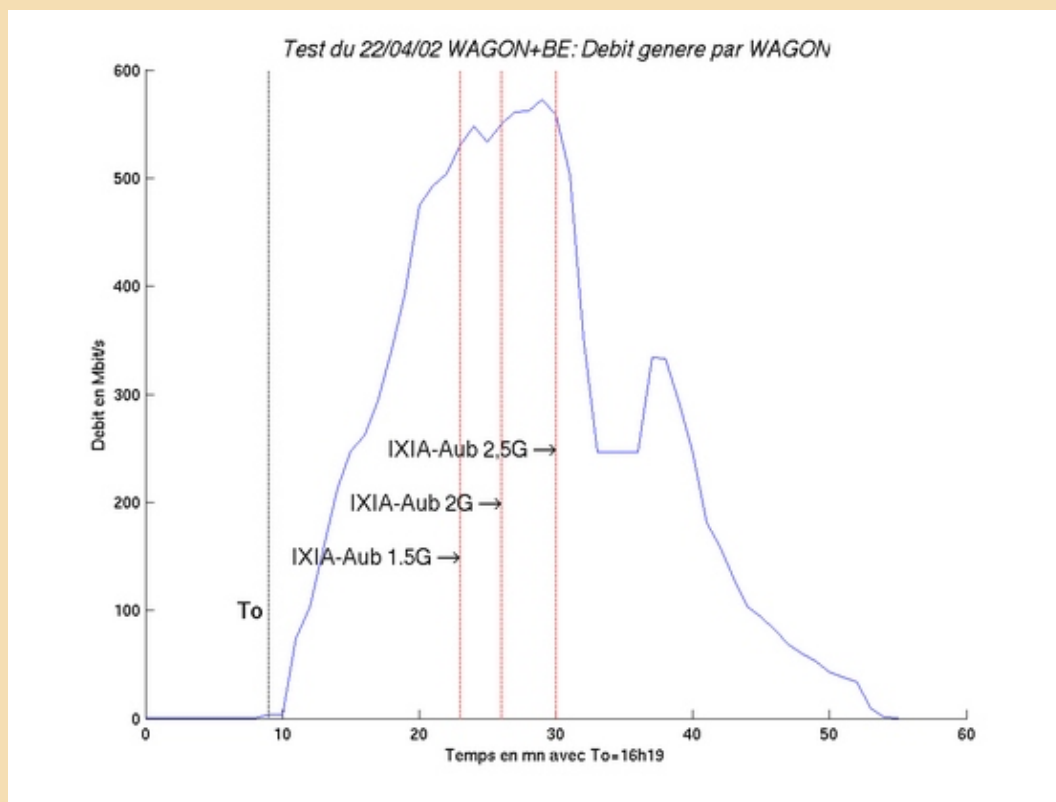
- [Figure 1](#):Trafic total généré par WAGON durant le test
- [Figure 2](#):Trafic généré par chaque serveur durant le test (sur le même graphe)
- [Figure 3](#):Trafic généré par chaque serveur durant le test (sur des graphes différents)
- [Figure 4](#):Comparaison entre le trafic généré par tous les serveurs et celui reçu par tous les clients
- [Figure 5](#):Trafic reçu par chacun des clients de la configuration 1 (à titre d'exemple)
- [Figure 6](#):Comparaison pour chaque configuration du trafic généré par le serveur par rapport a celui reçu par ses clients
- [Figure 7](#):Comparaison pour chaque configuration du nombre de bits total transmis durant le test
- [Figure 8](#):Quantité de requêtes (en terme de kb) reçues par chacun des serveurs

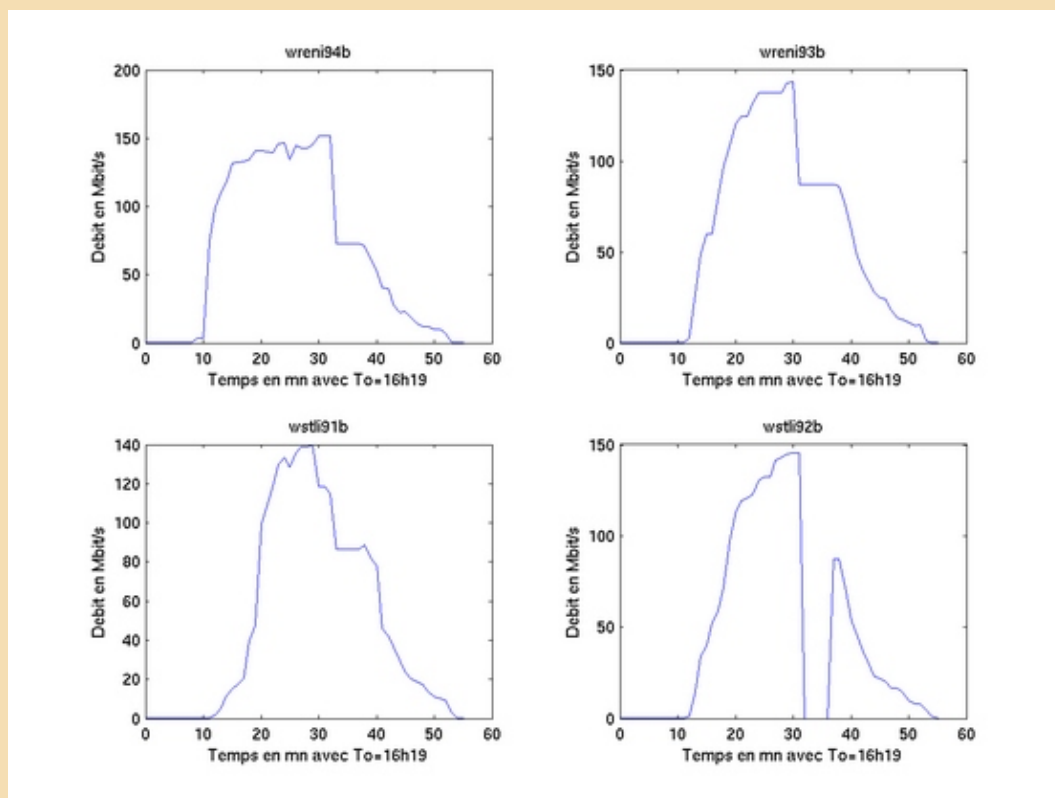
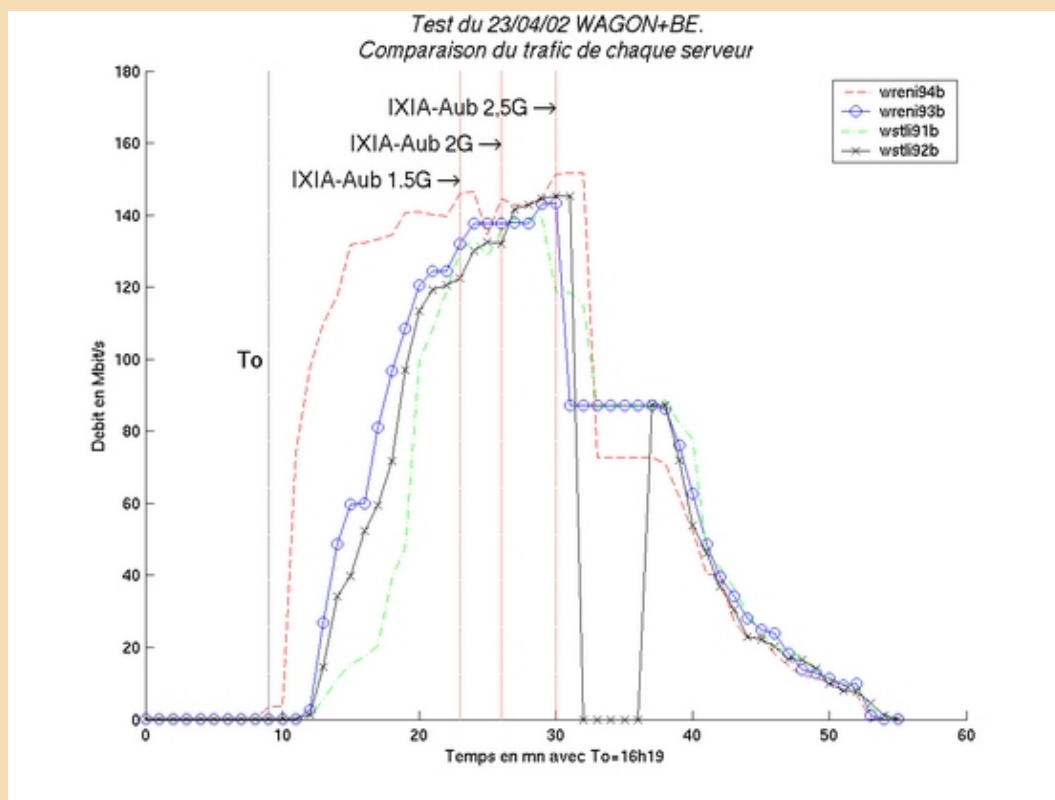
Résultats des tests:

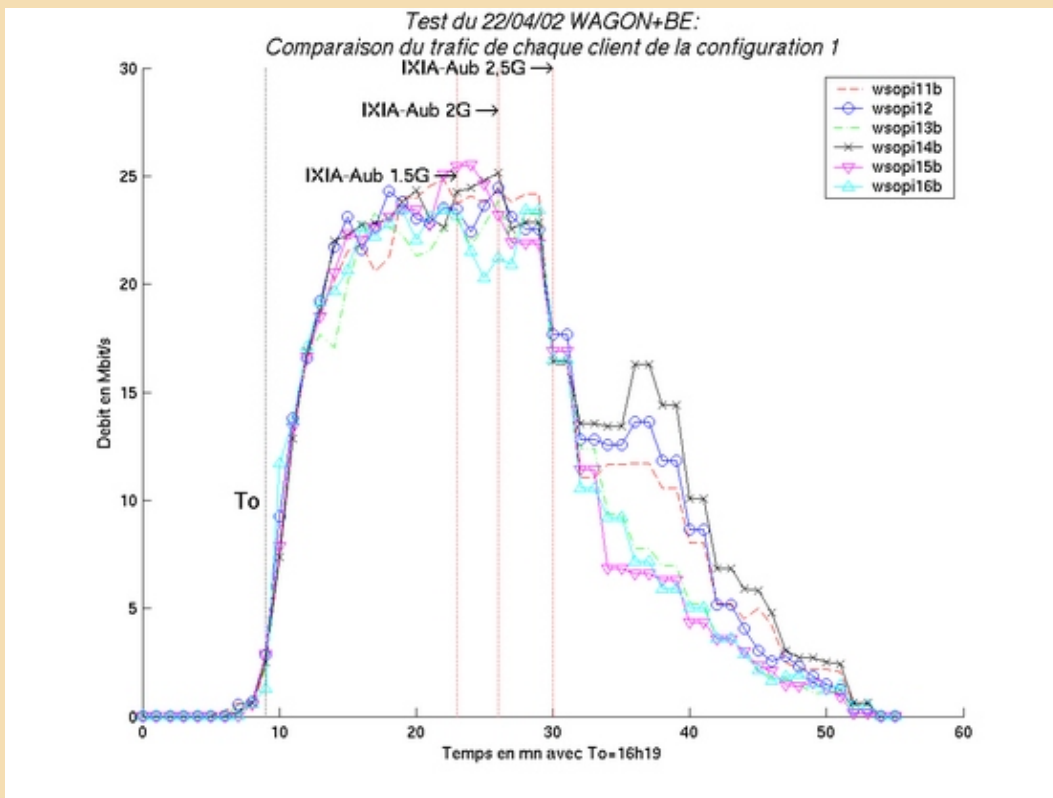
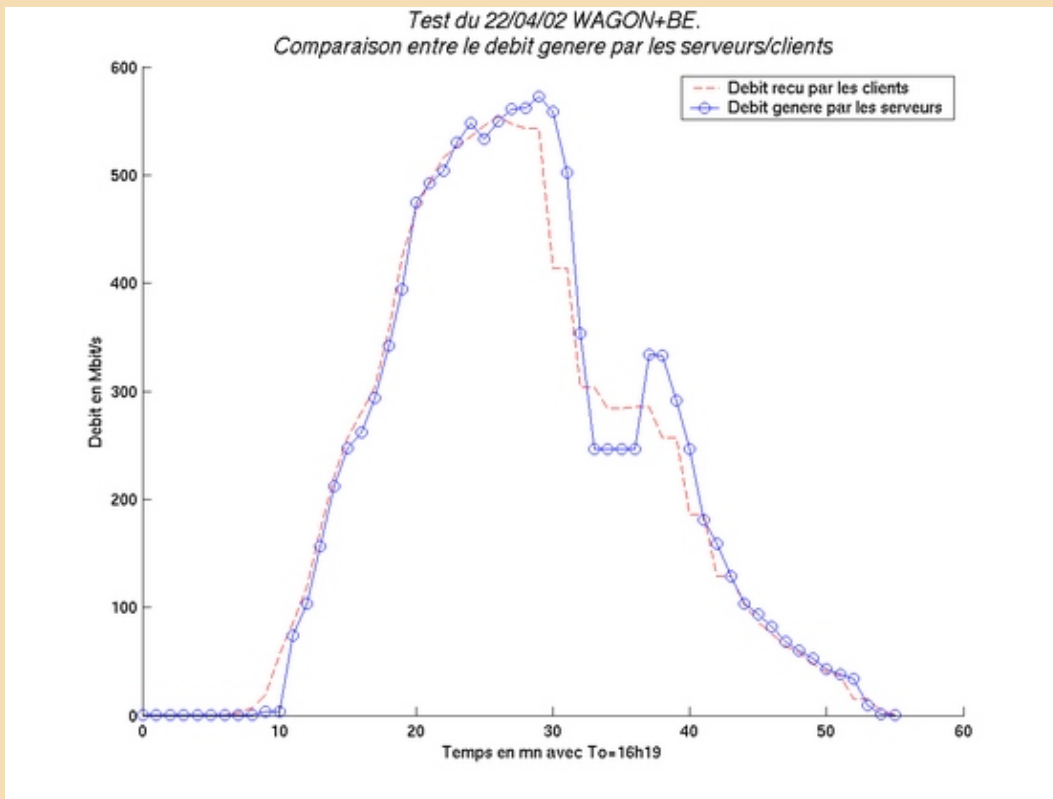
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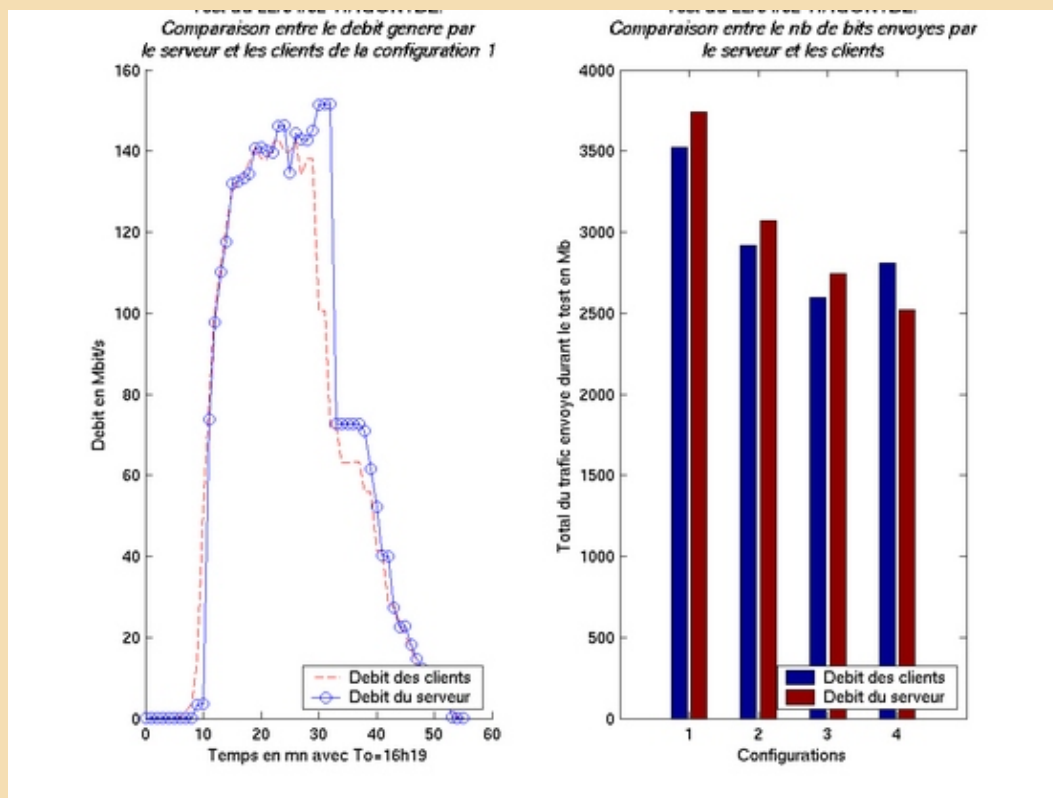
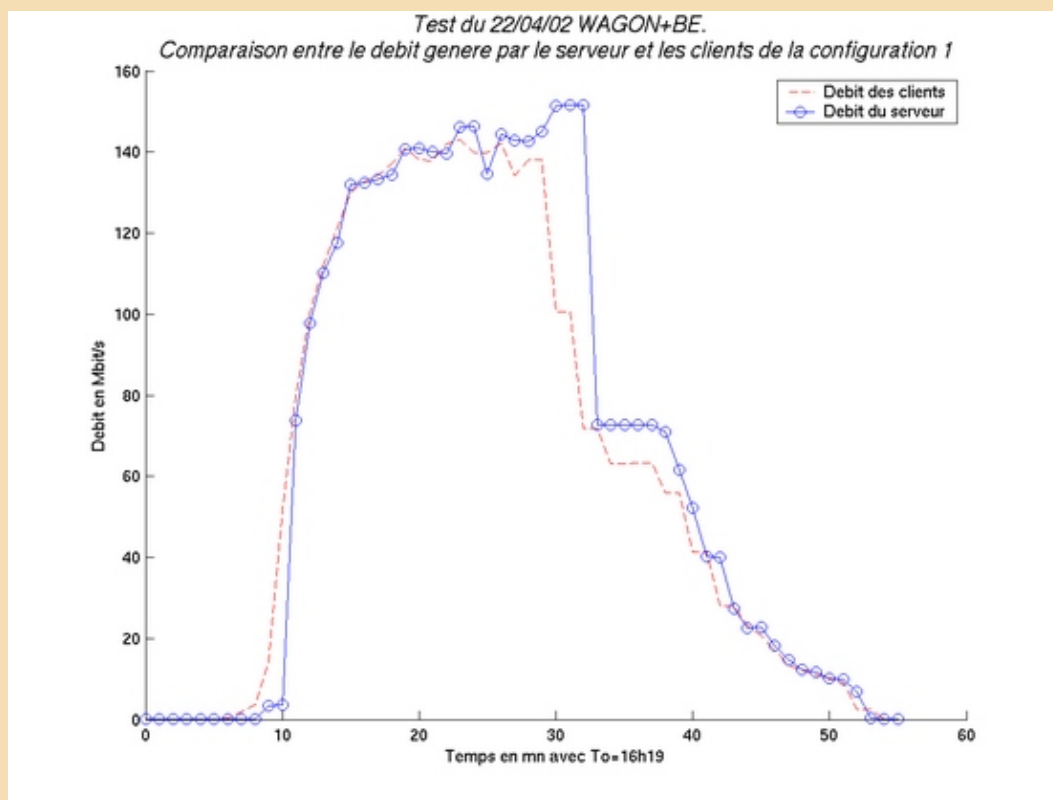
	Figure 1	Figure 2	Figure 3	Figure 4	Figure 5	Figure 6	Figure 7	Figure 8
Test 1	▲	▲	▲	▲	▲	▲	▲	▲
Test 2	▲	▲	▲	▲	▲	▲	▲	▲
Test 3	▲	▲	▲	▲	▲	▲	▲	▲
Test 14	Test A	▲	▲	▲	▲	▲	▲	▲
	Test B	▲	▲	▲	▲	▲	▲	▲
	Test C	▲	▲	▲	▲	▲	▲	▲
Test 15	Test A	▲	▲	▲	▲	▲	▲	▲
	Test B	▲	▲	▲	▲	▲	▲	▲
	Test C	▲	▲	▲	▲	▲	▲	▲
Test 16	Test A	▲	▲	▲	▲	▲	▲	▲
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	Test C	▲	▲	▲	▲	▲	▲	▲

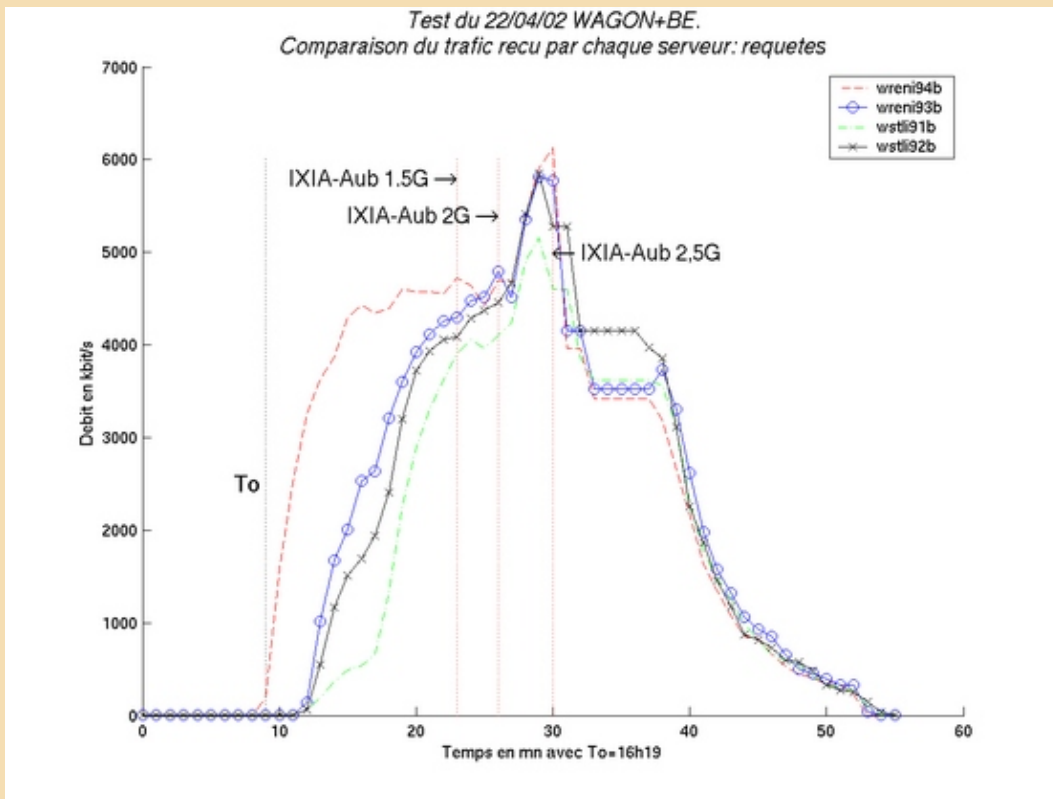
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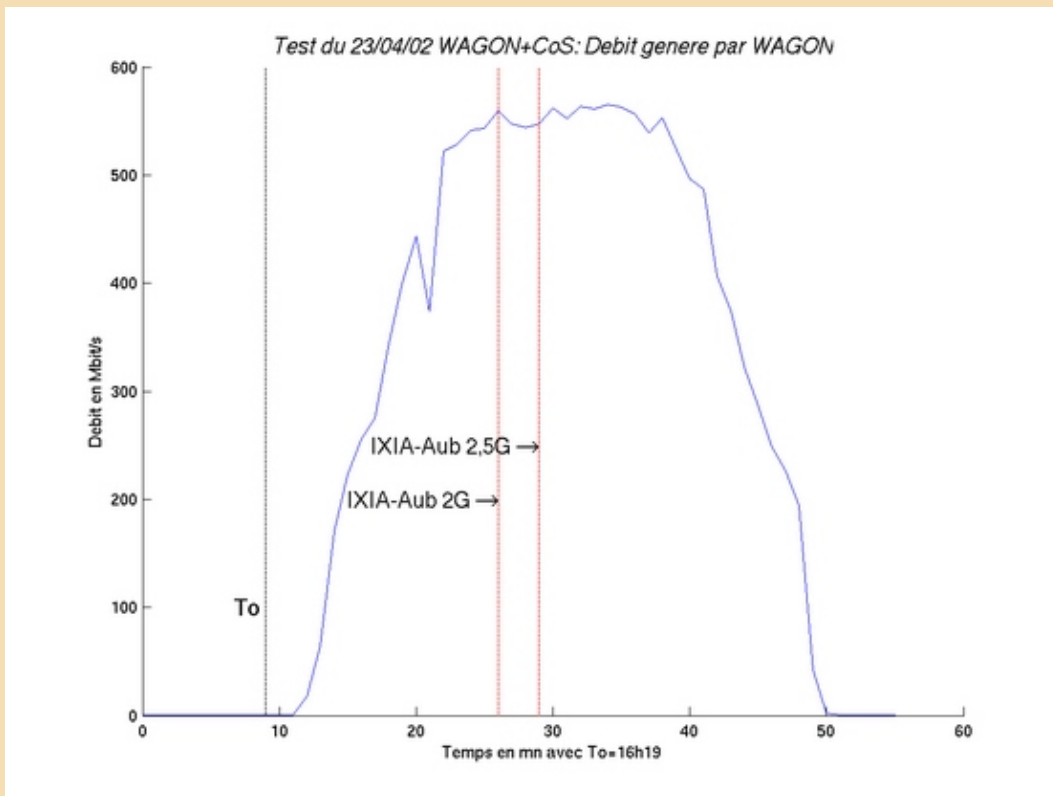


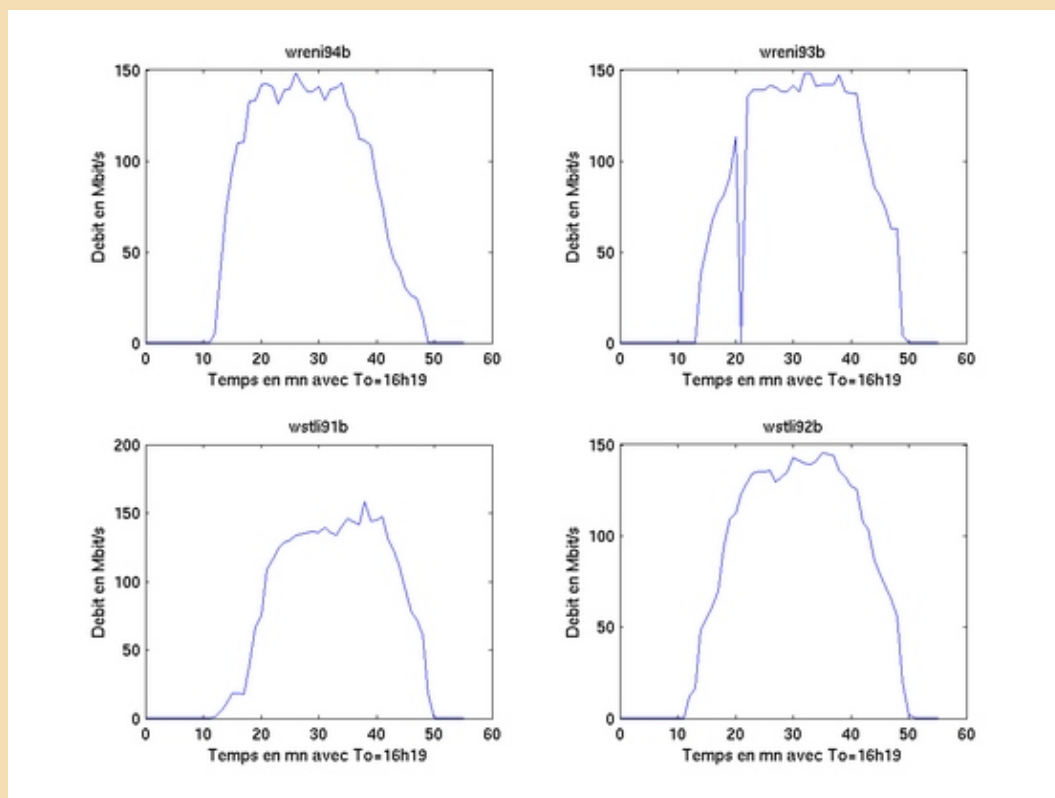
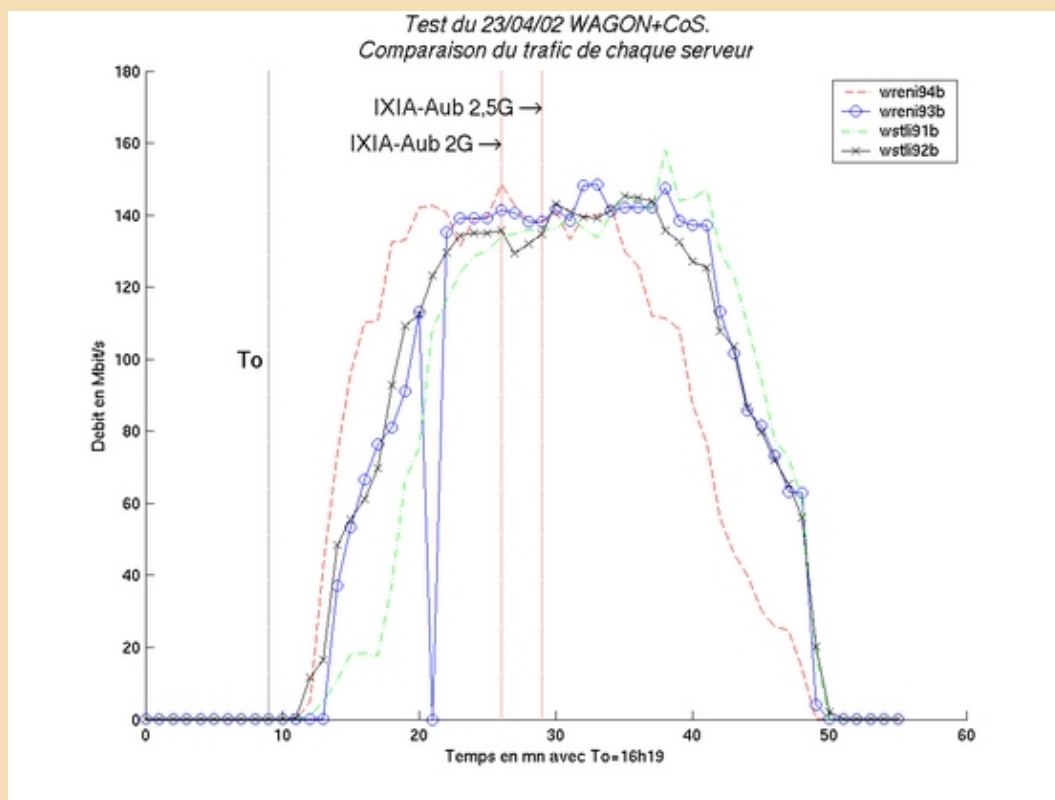


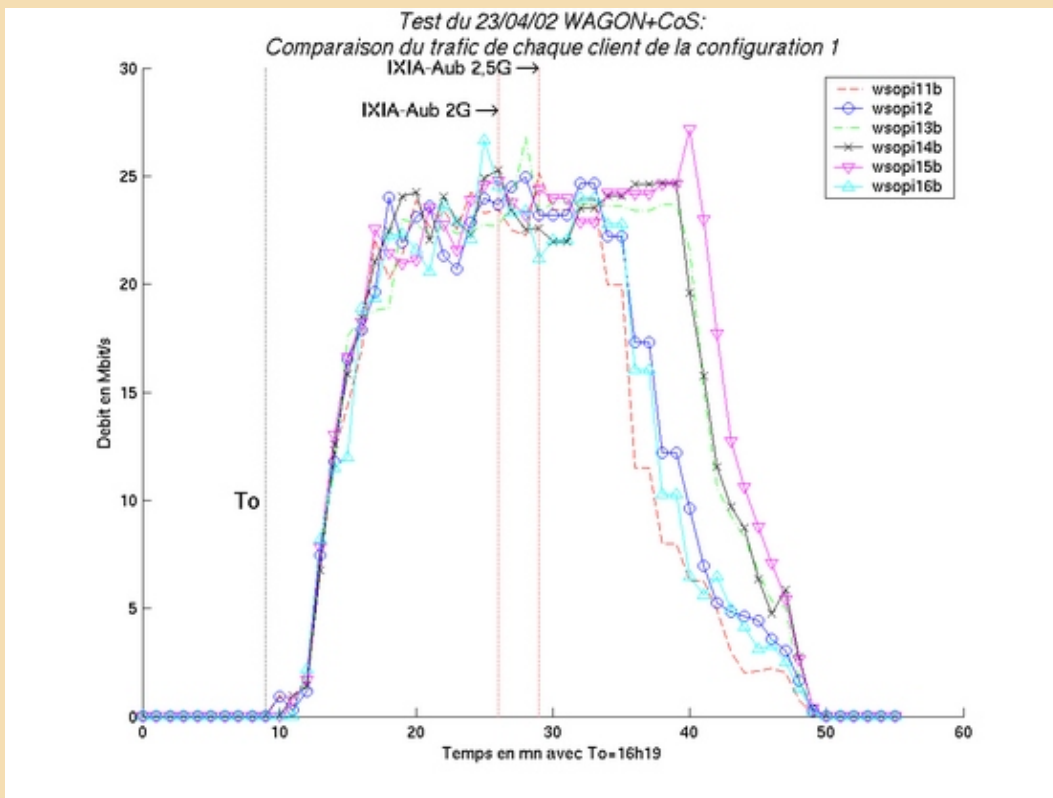
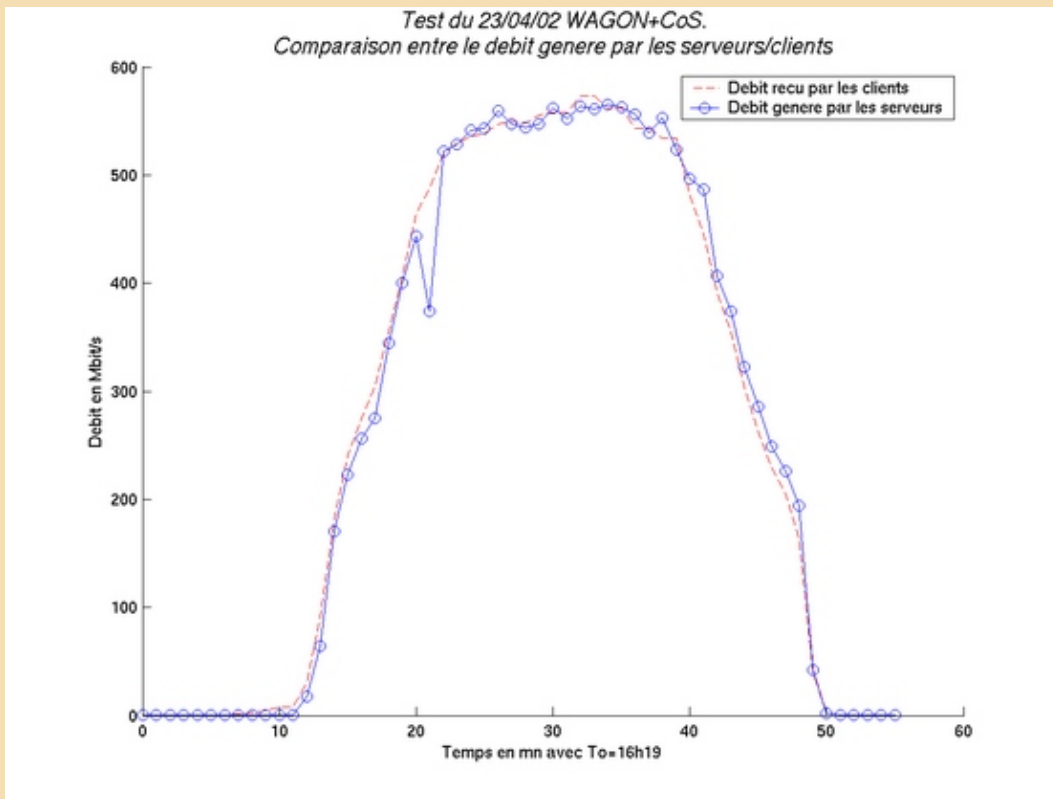


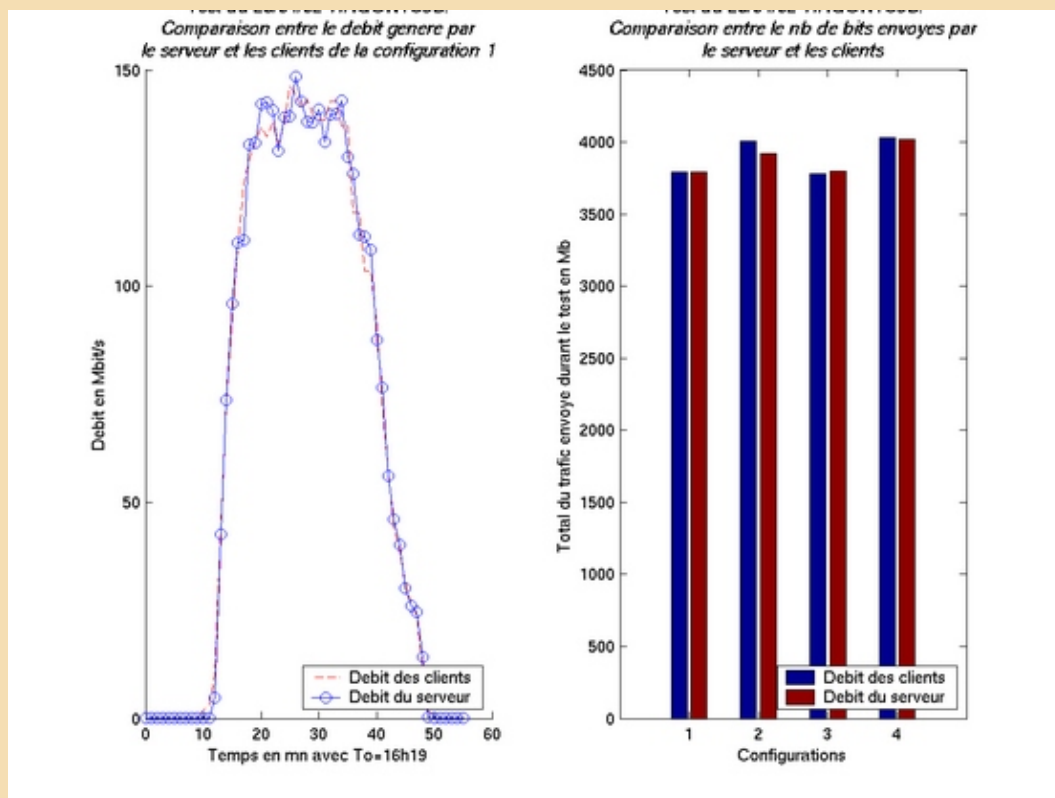
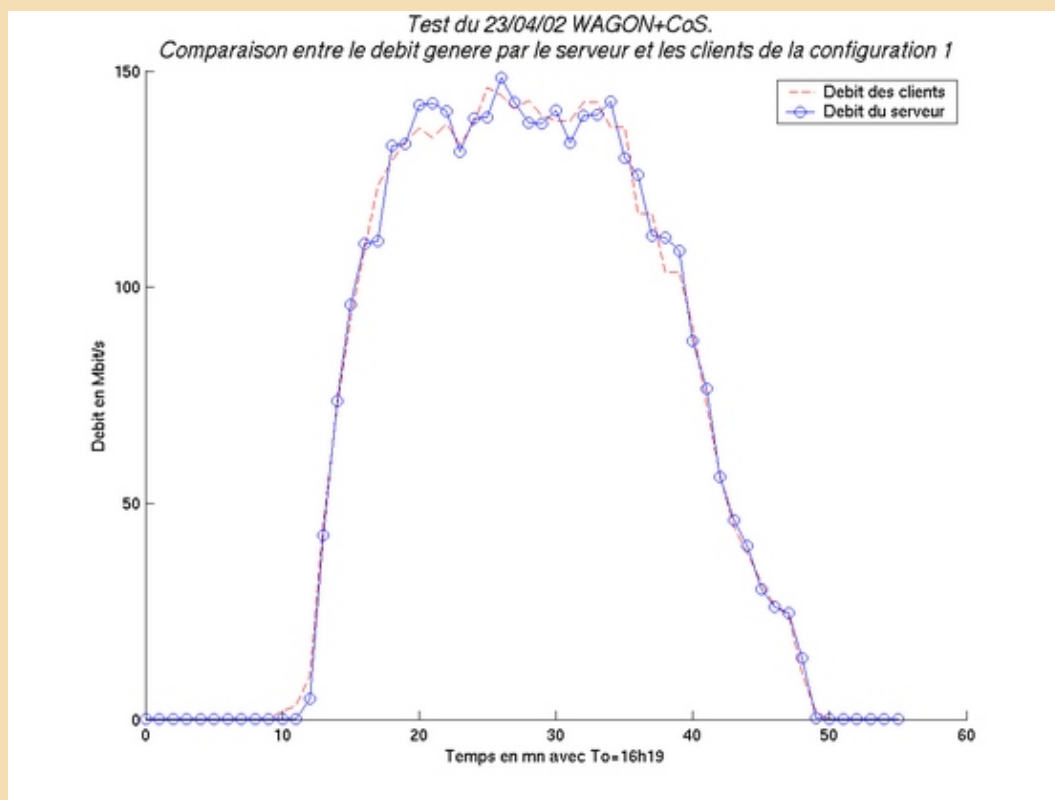


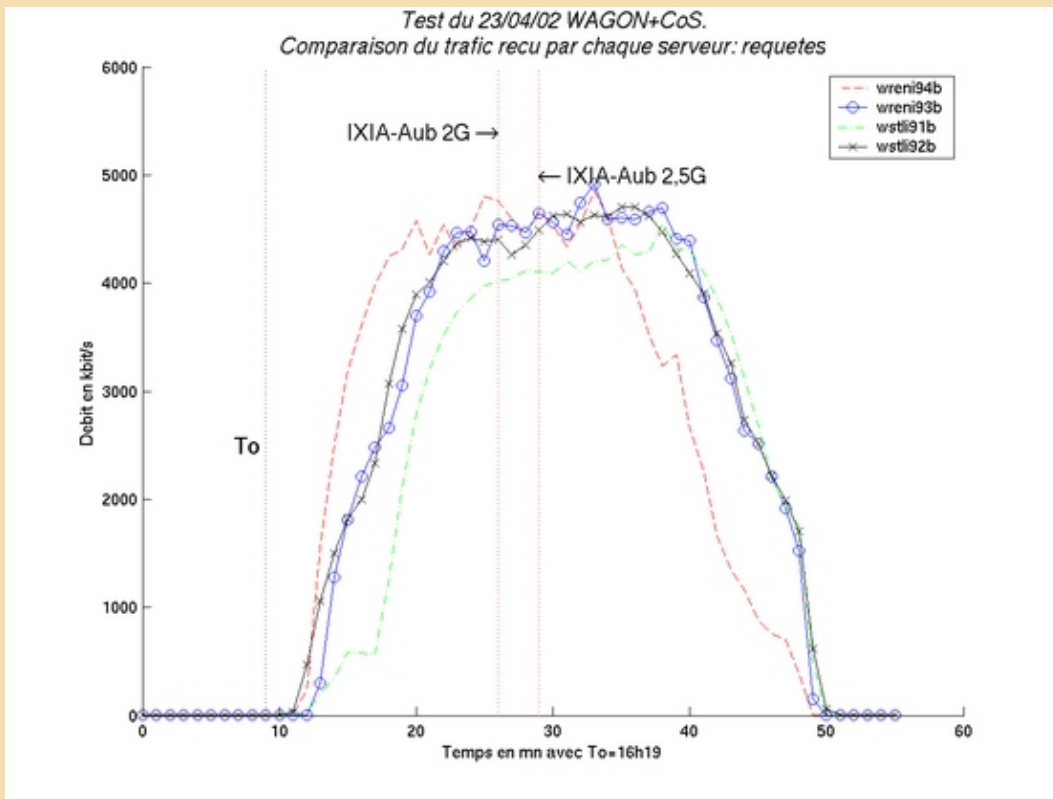
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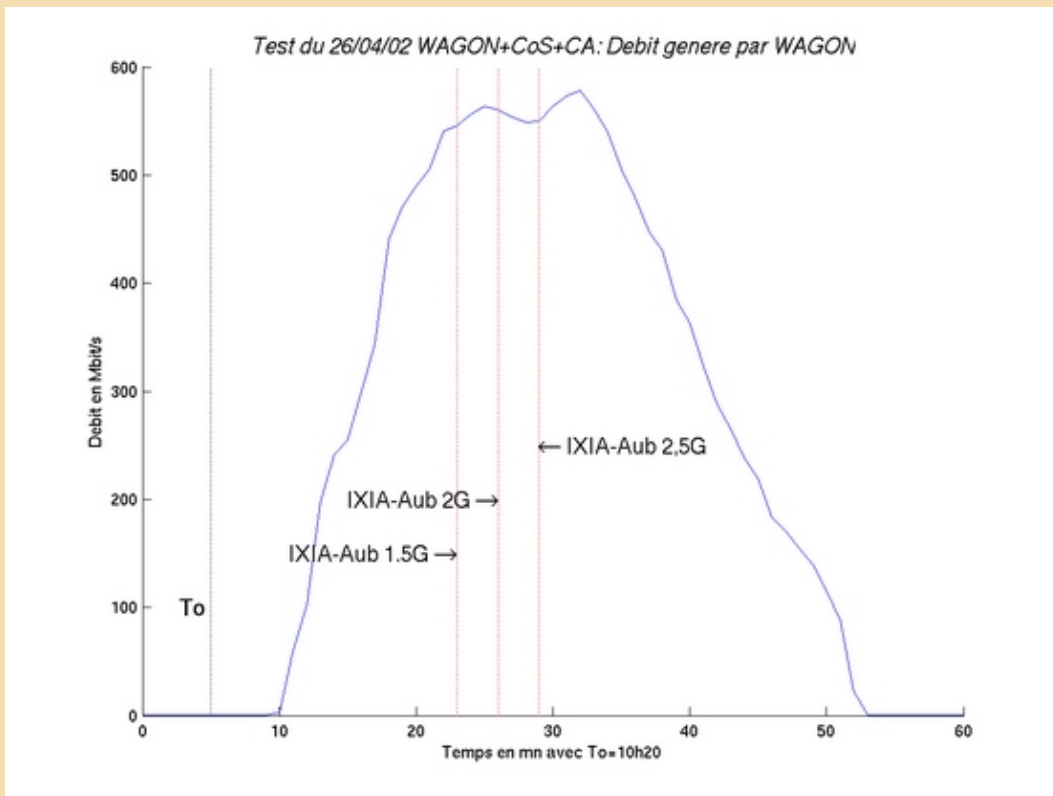


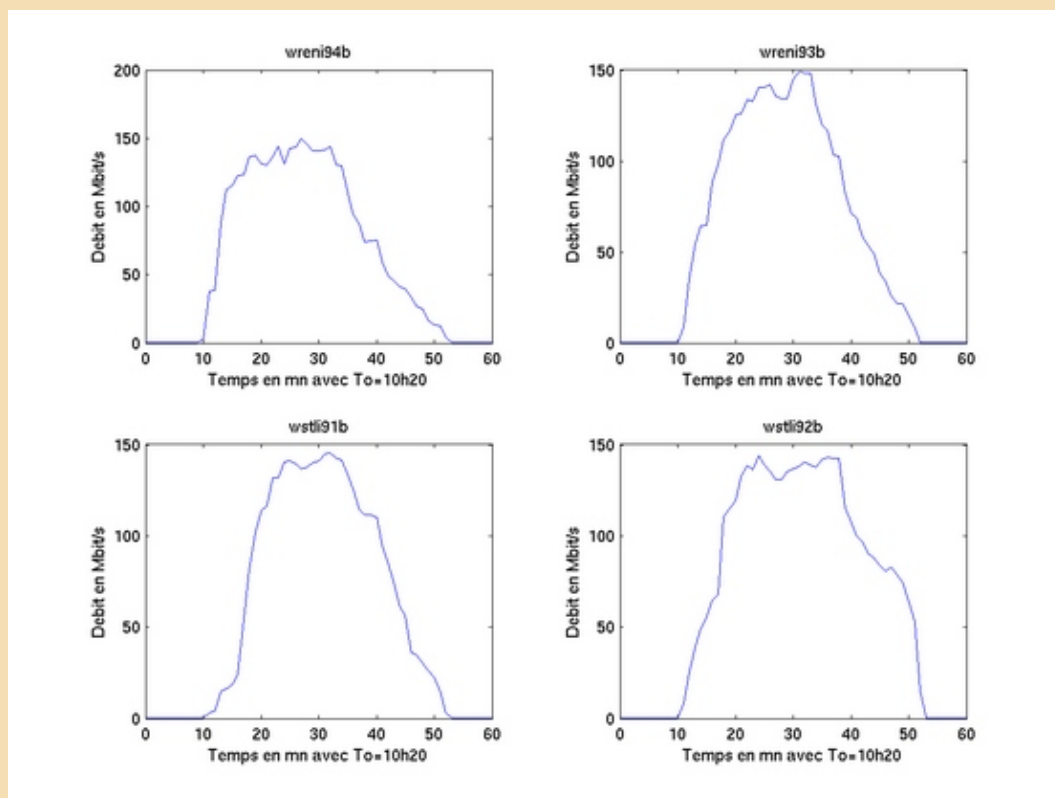
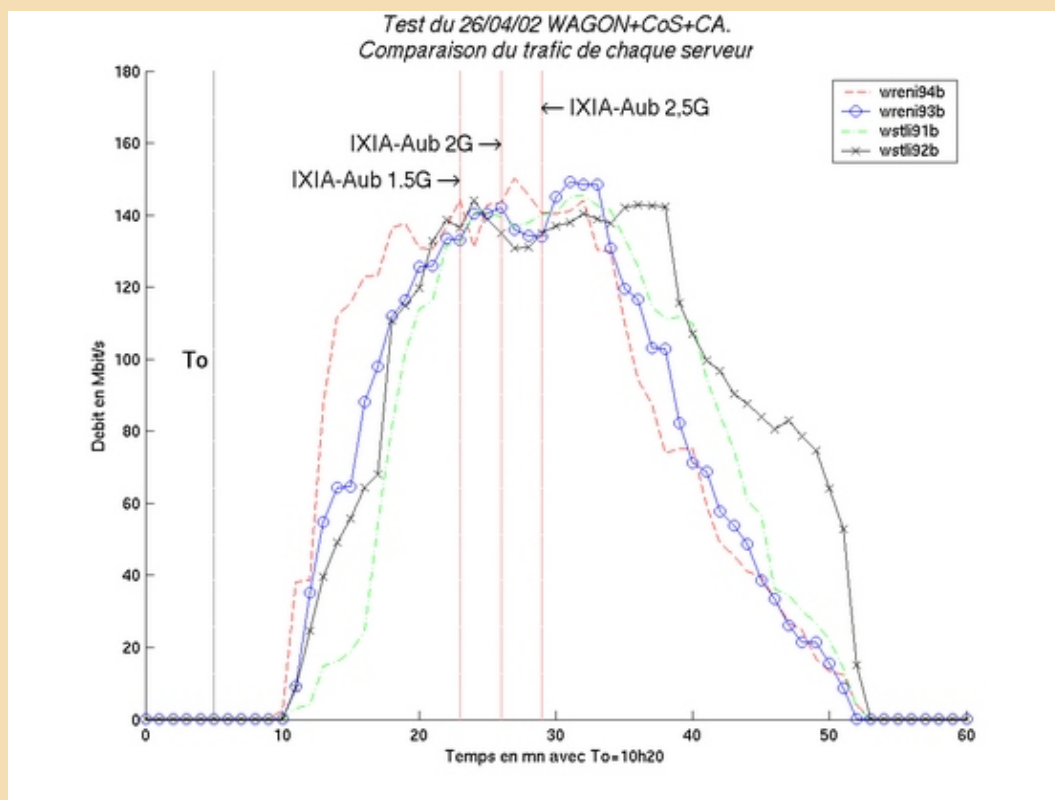


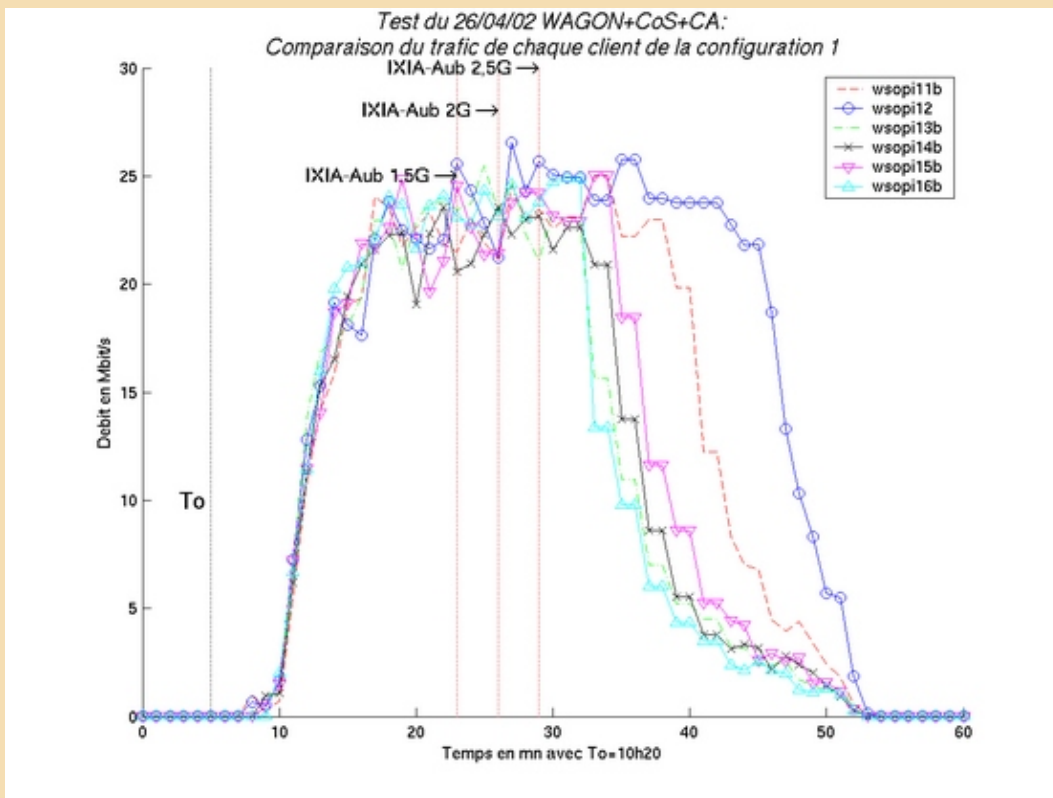
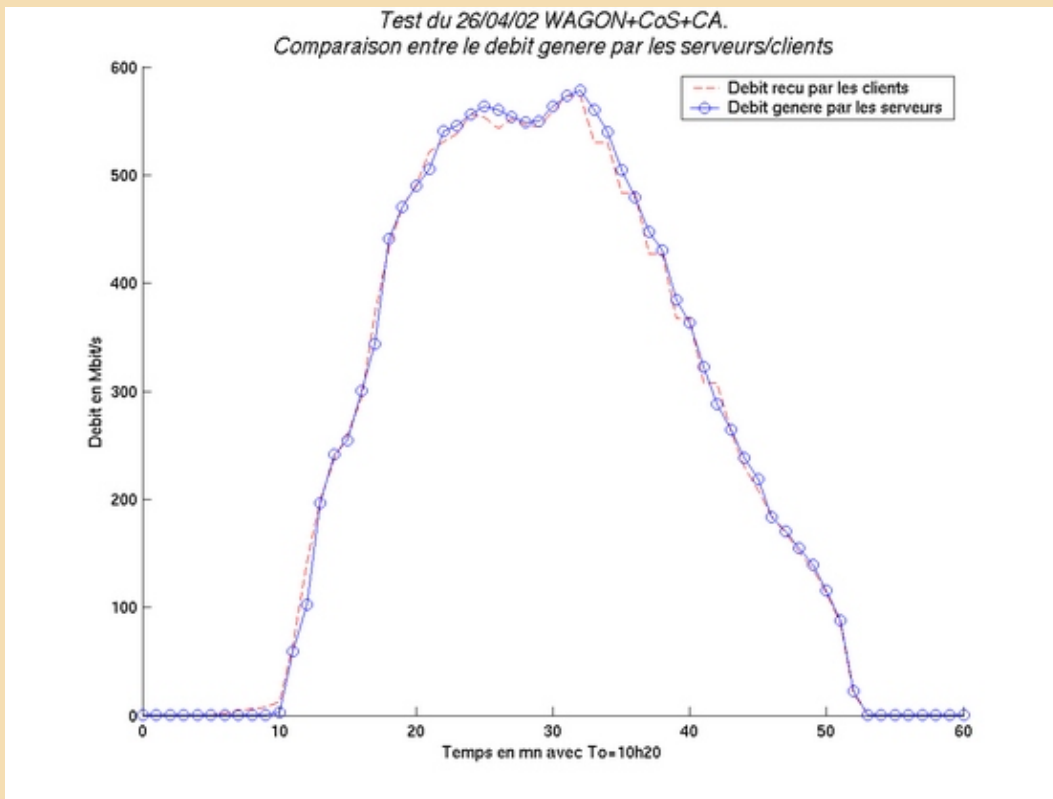


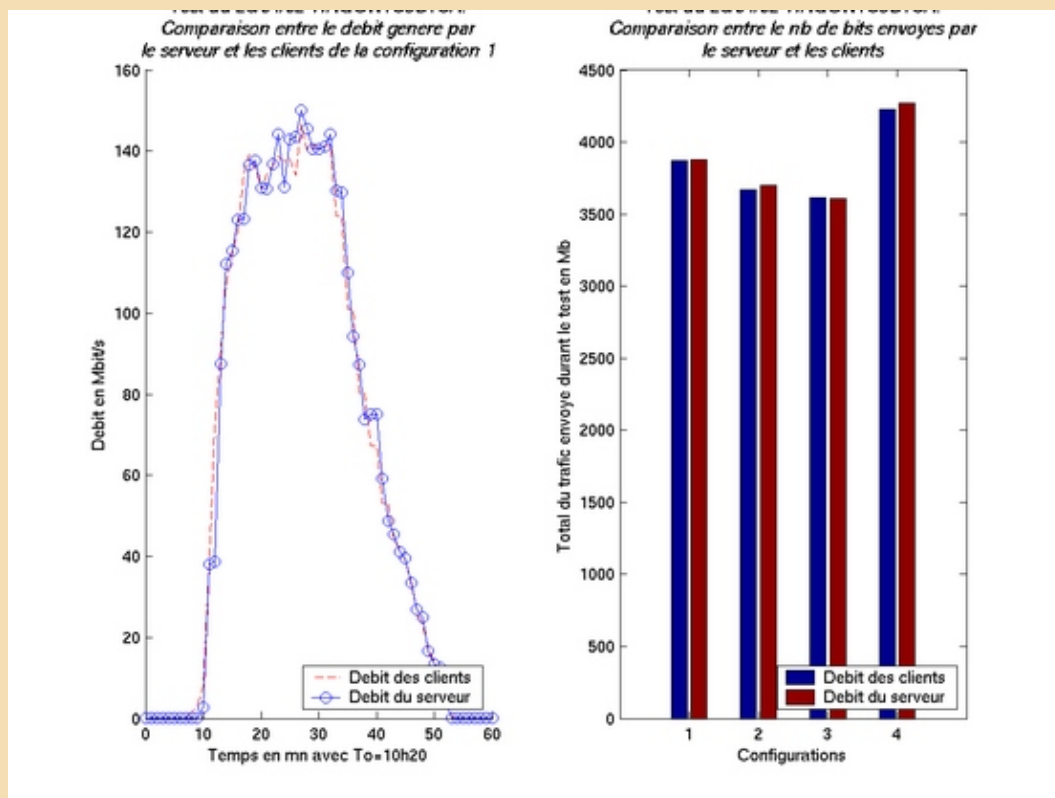
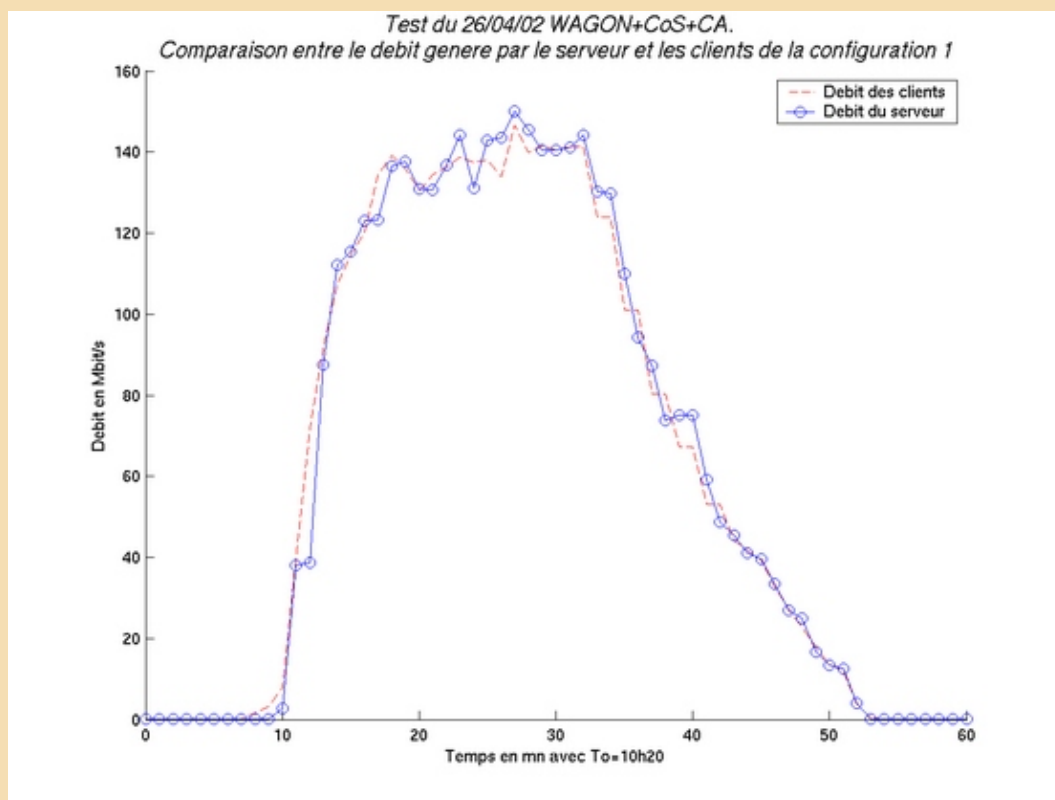


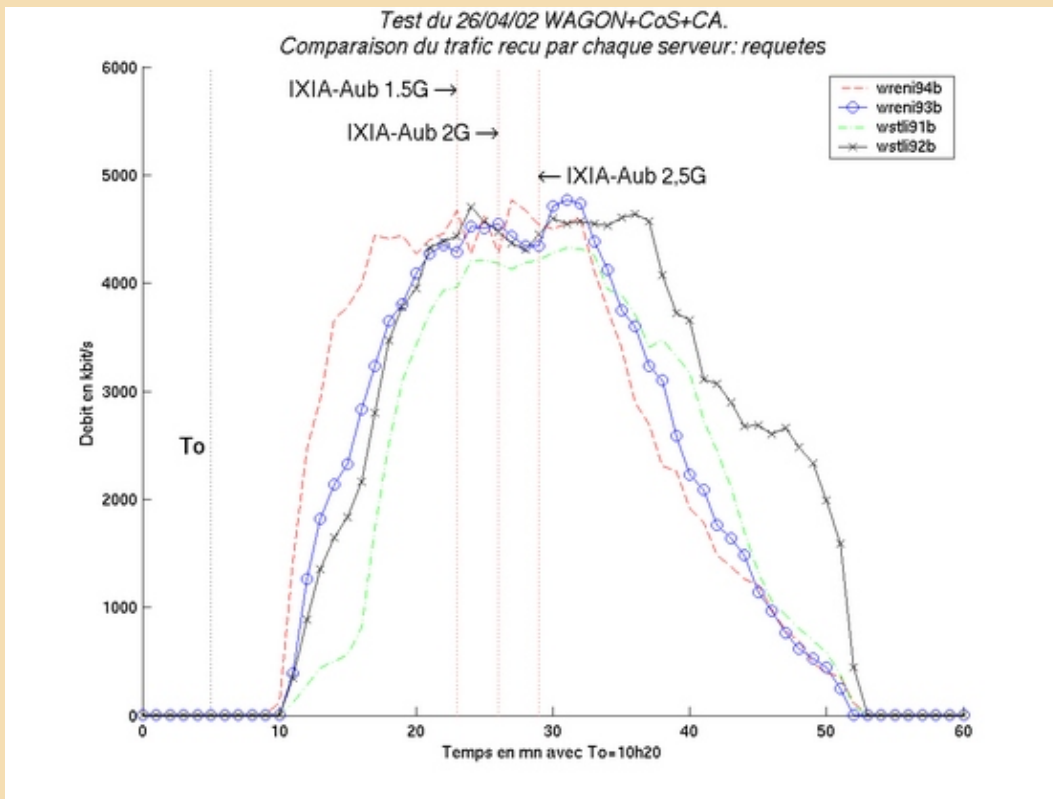
Test 3





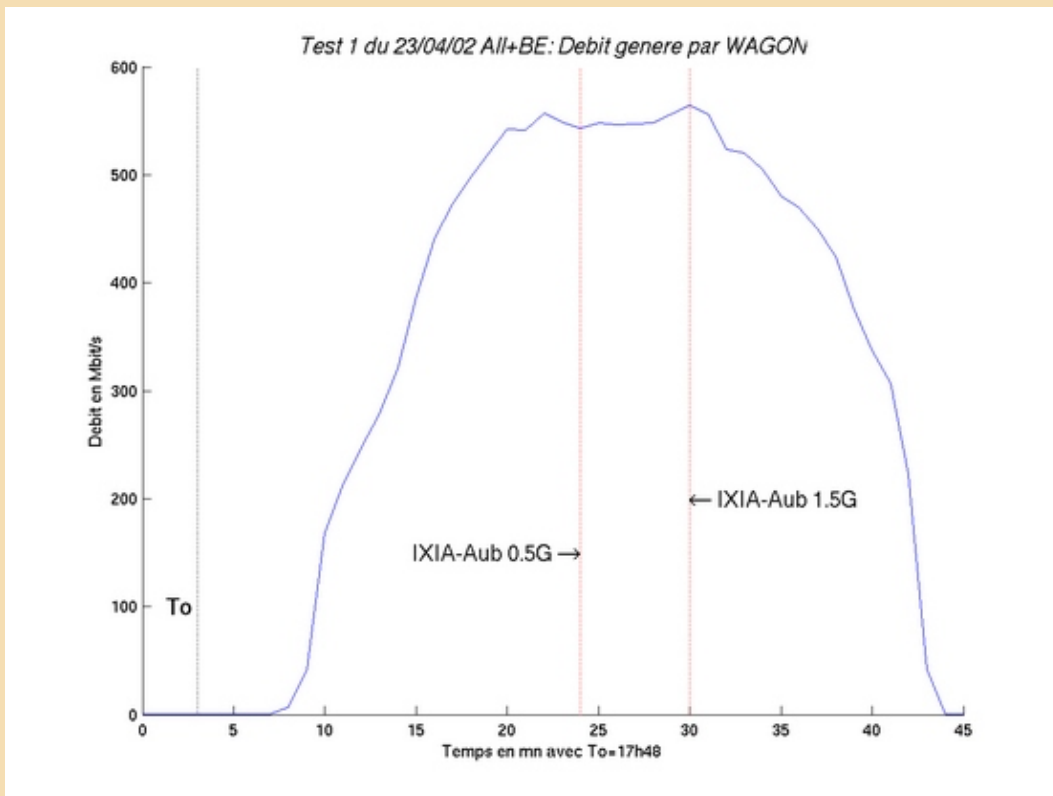


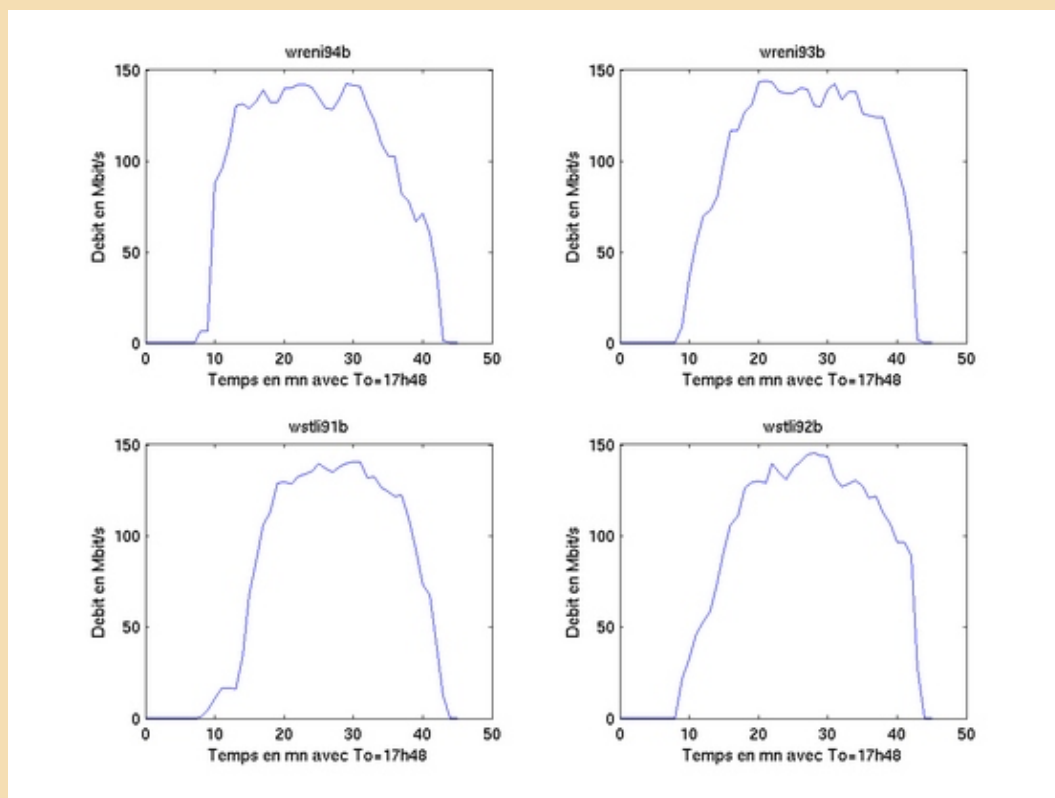
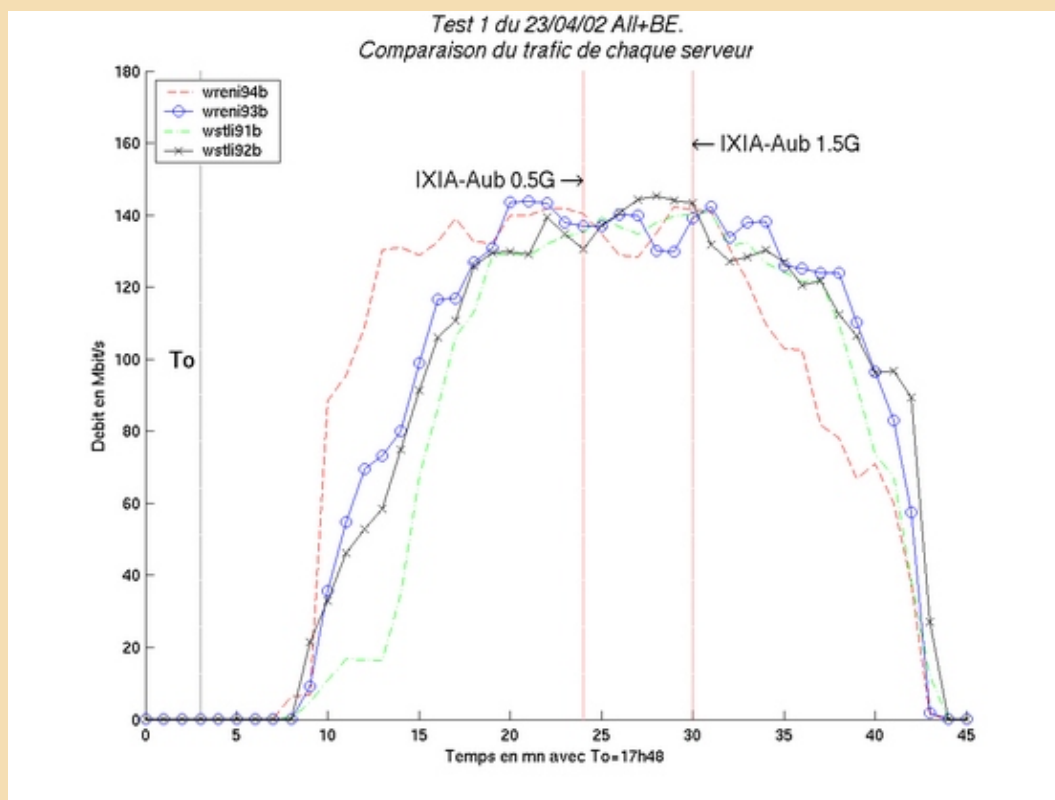


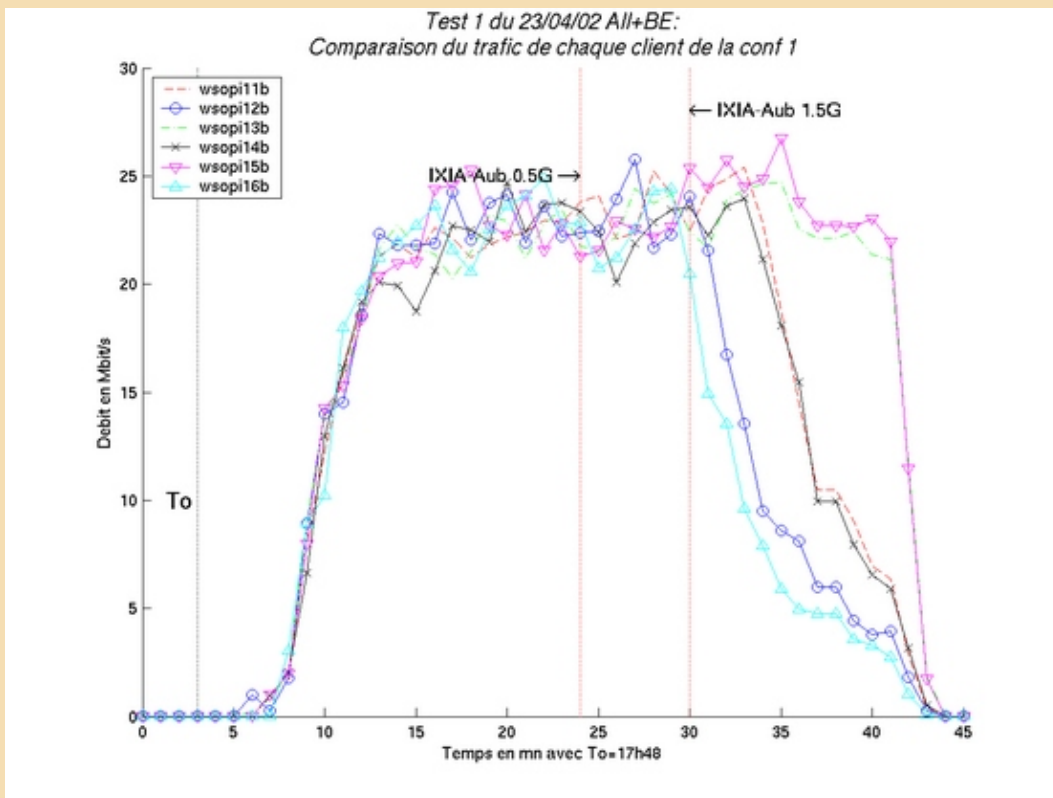
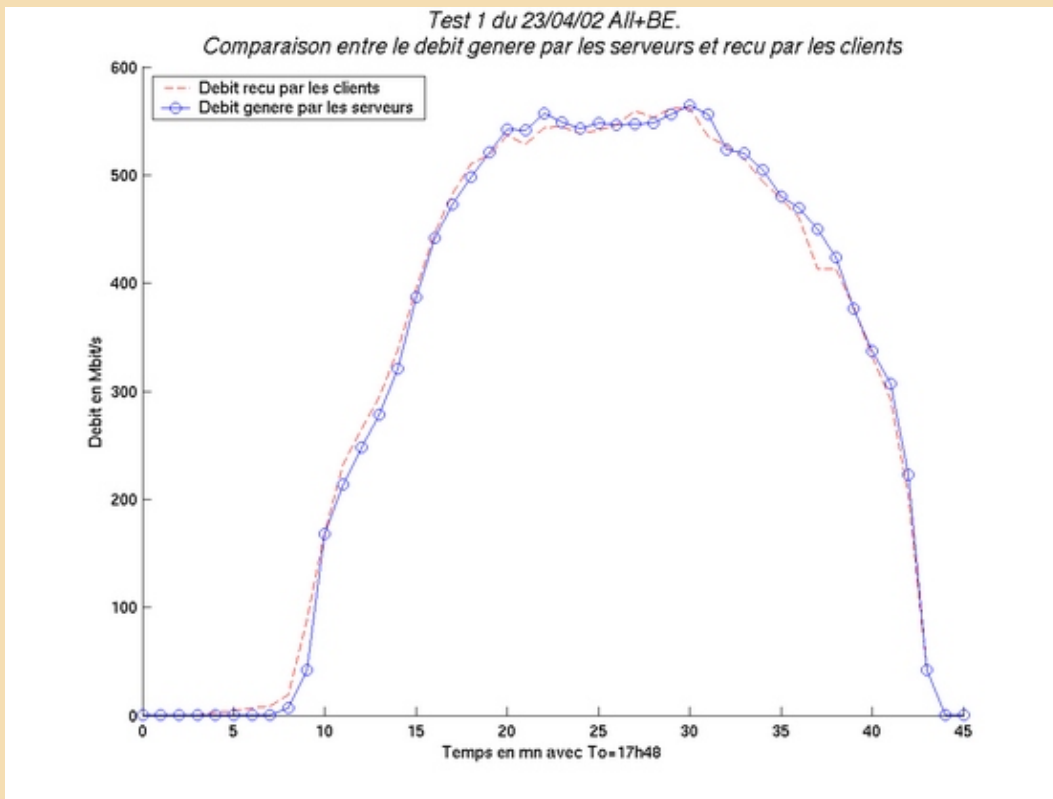


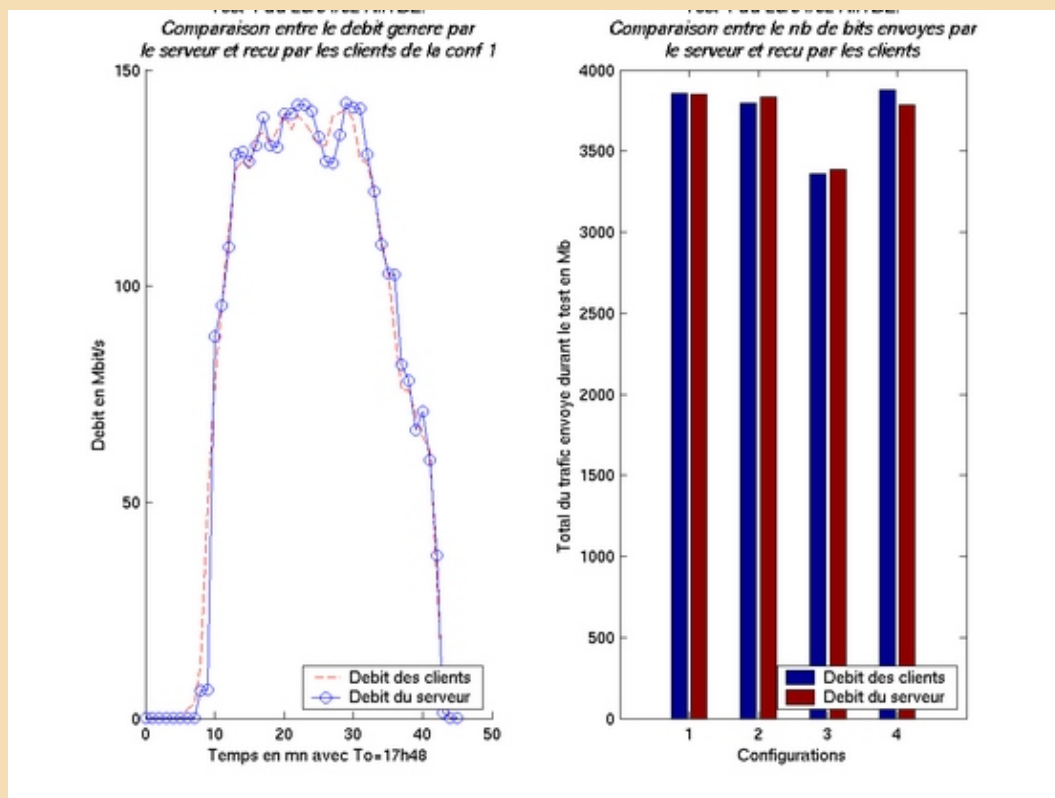
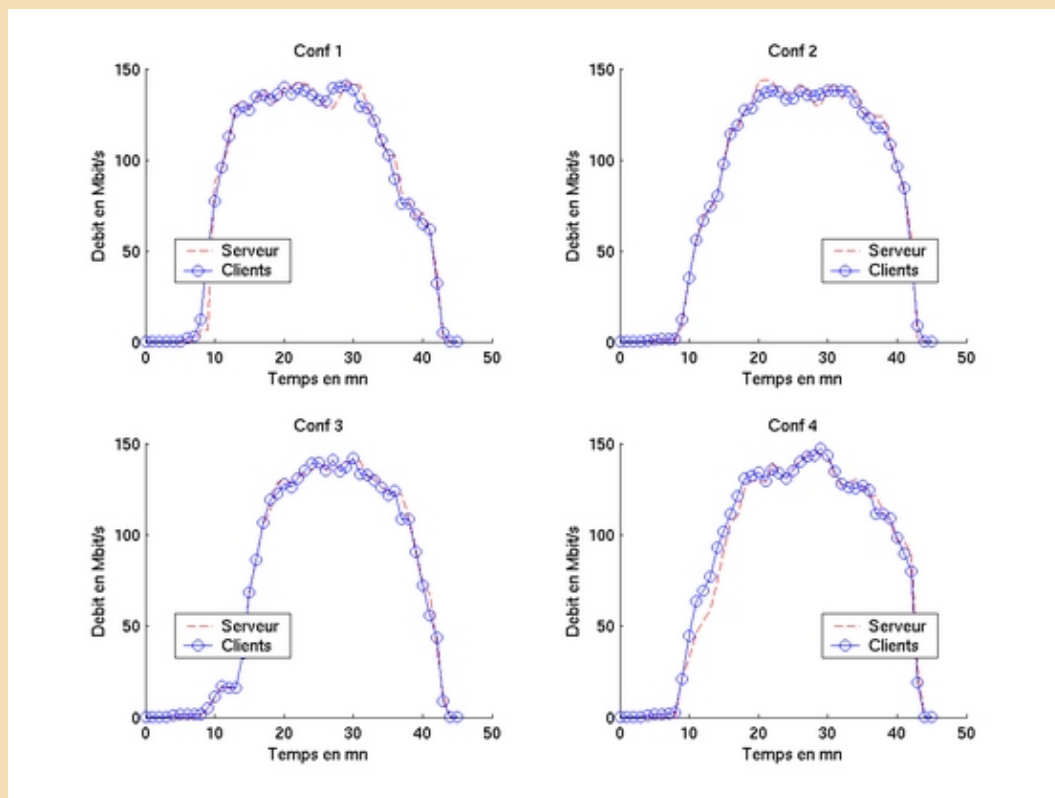
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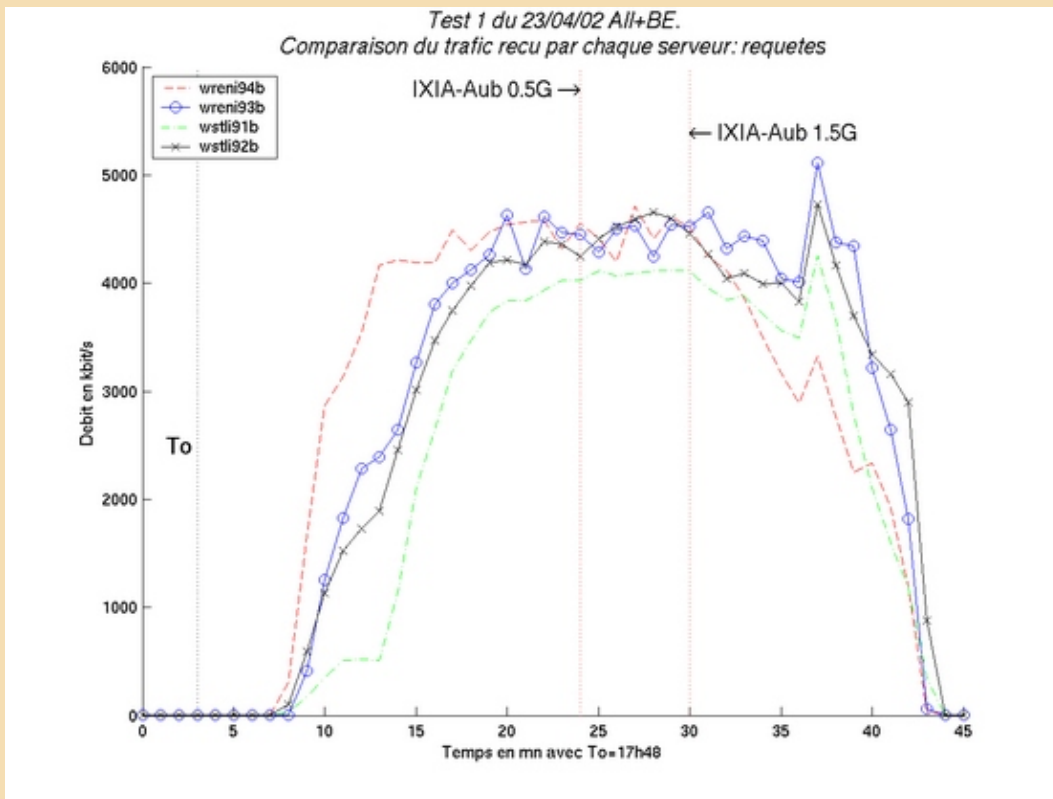
Test A



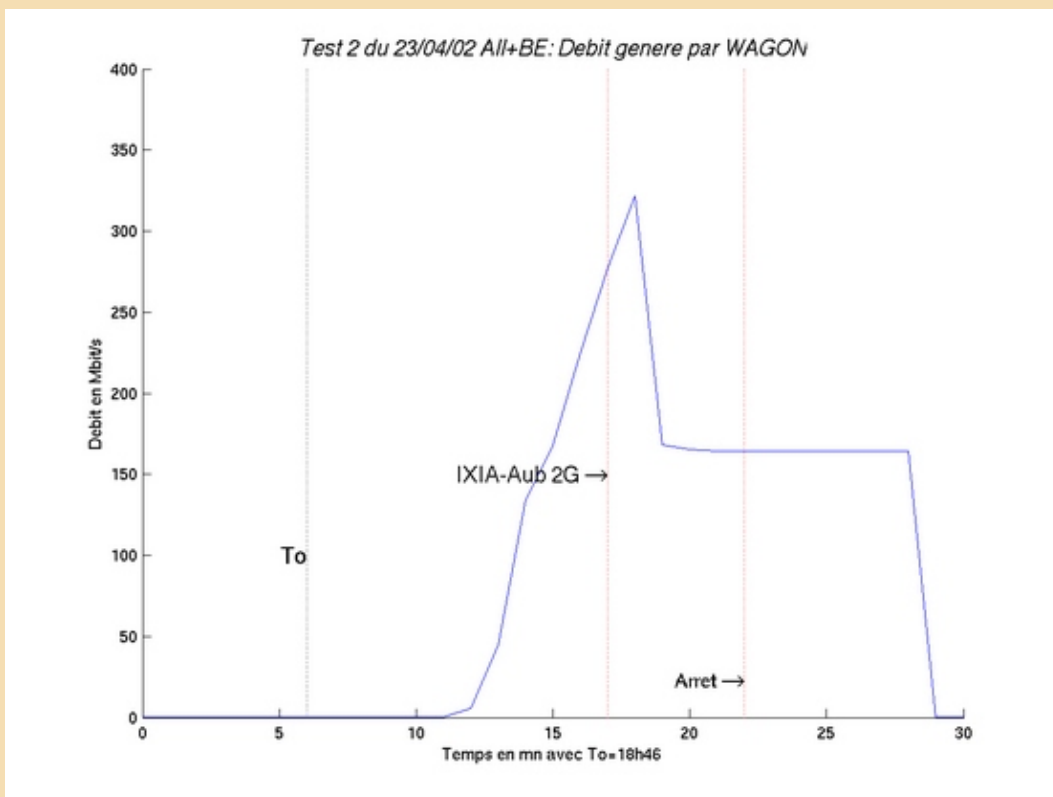


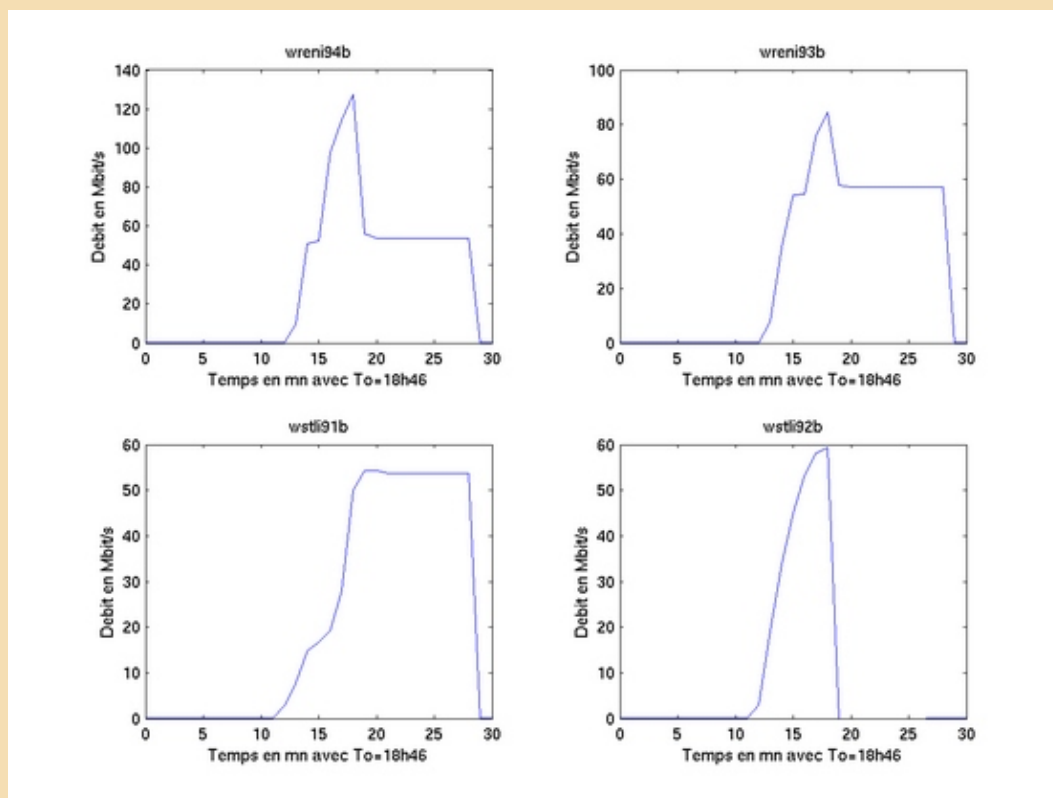
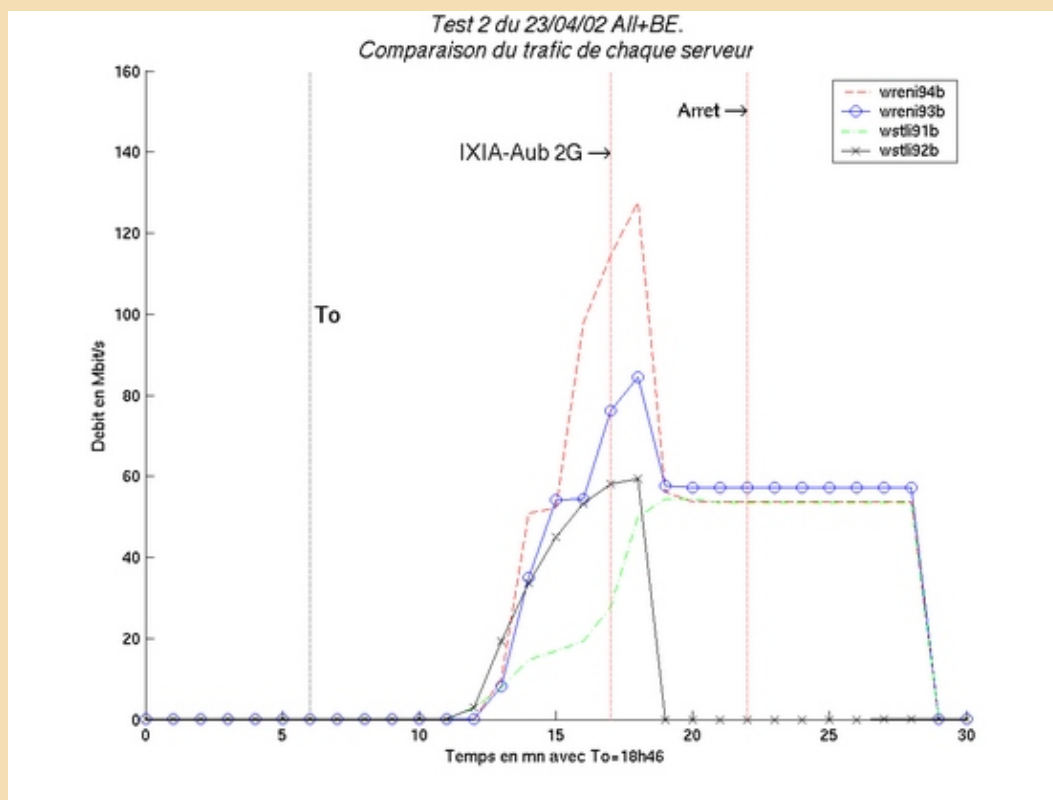


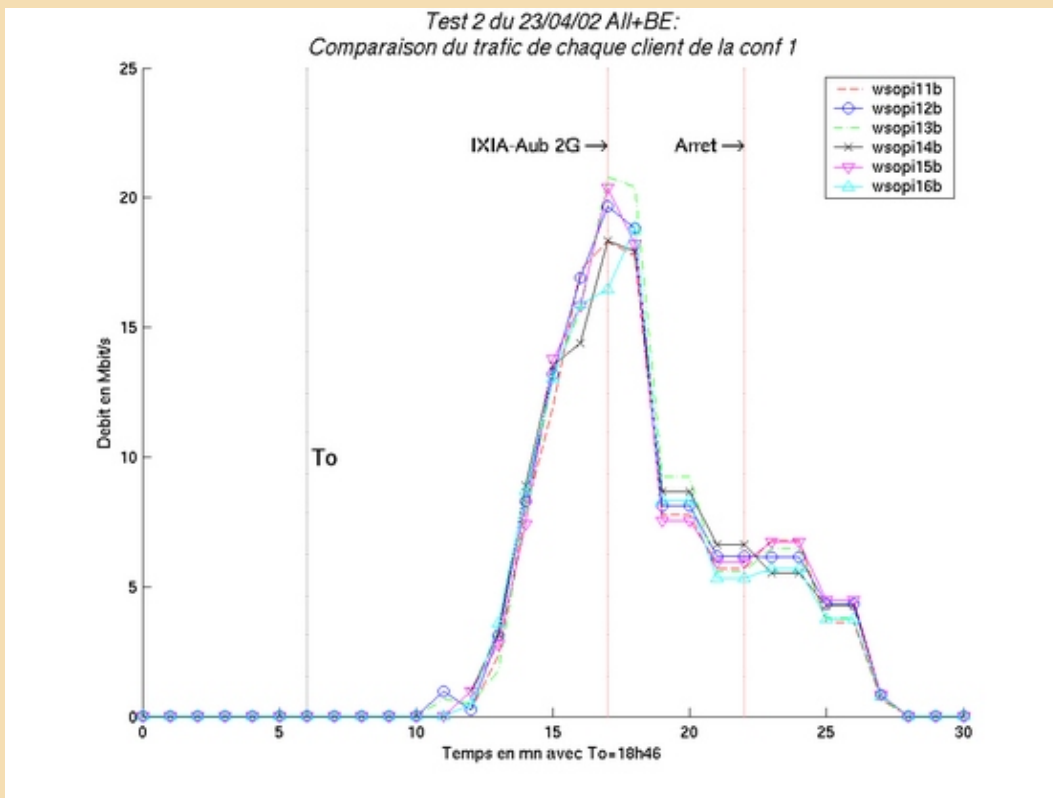
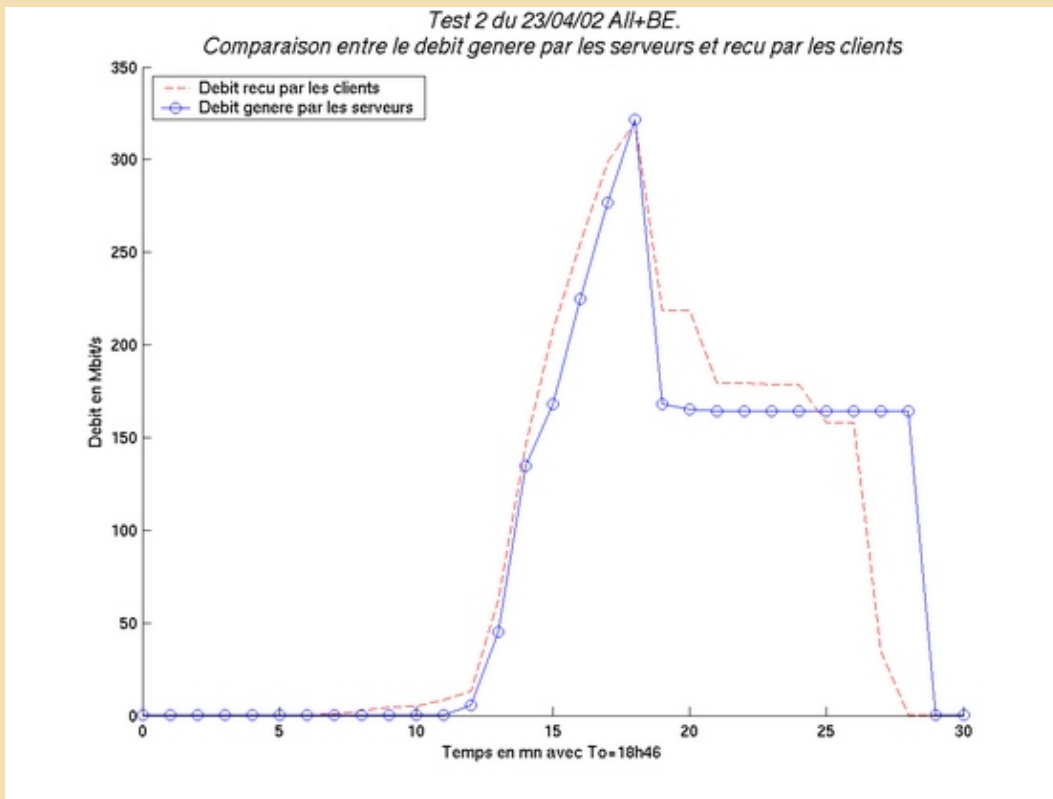


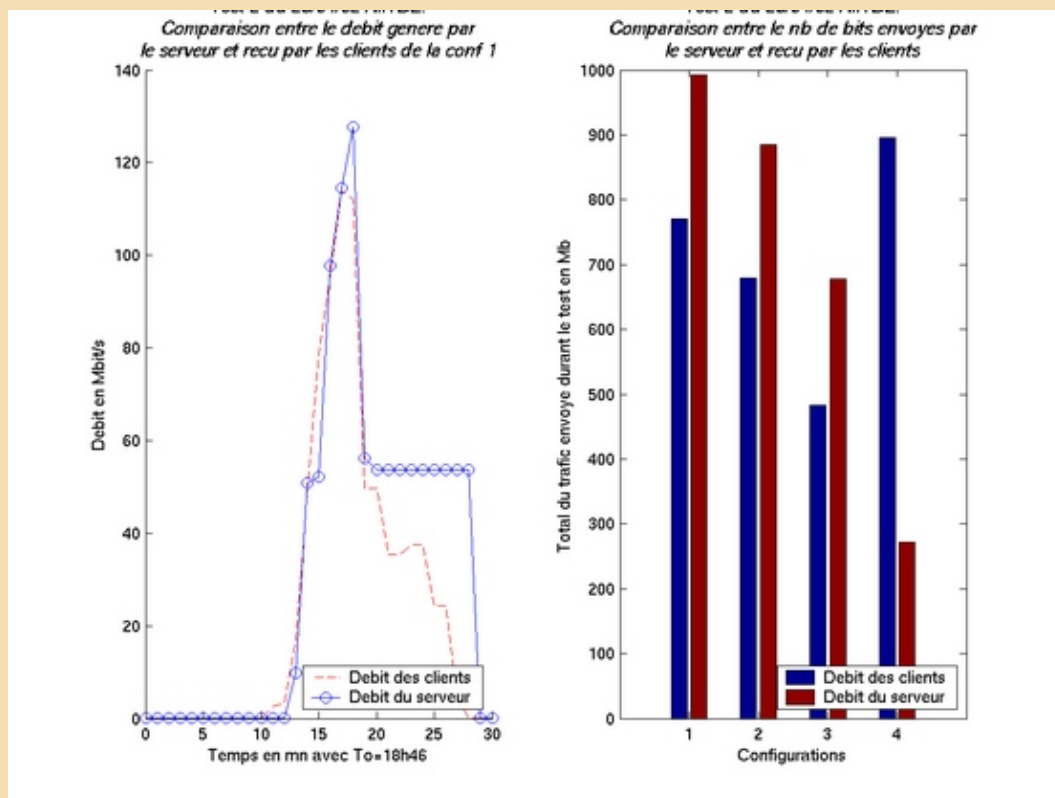
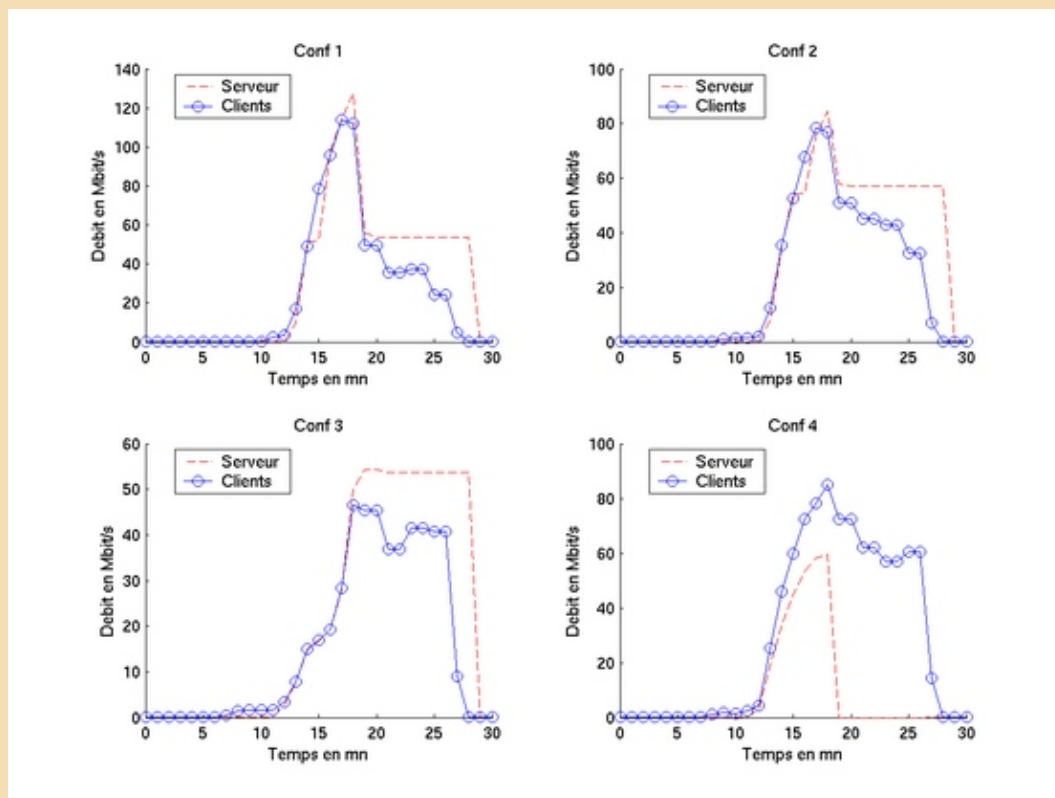


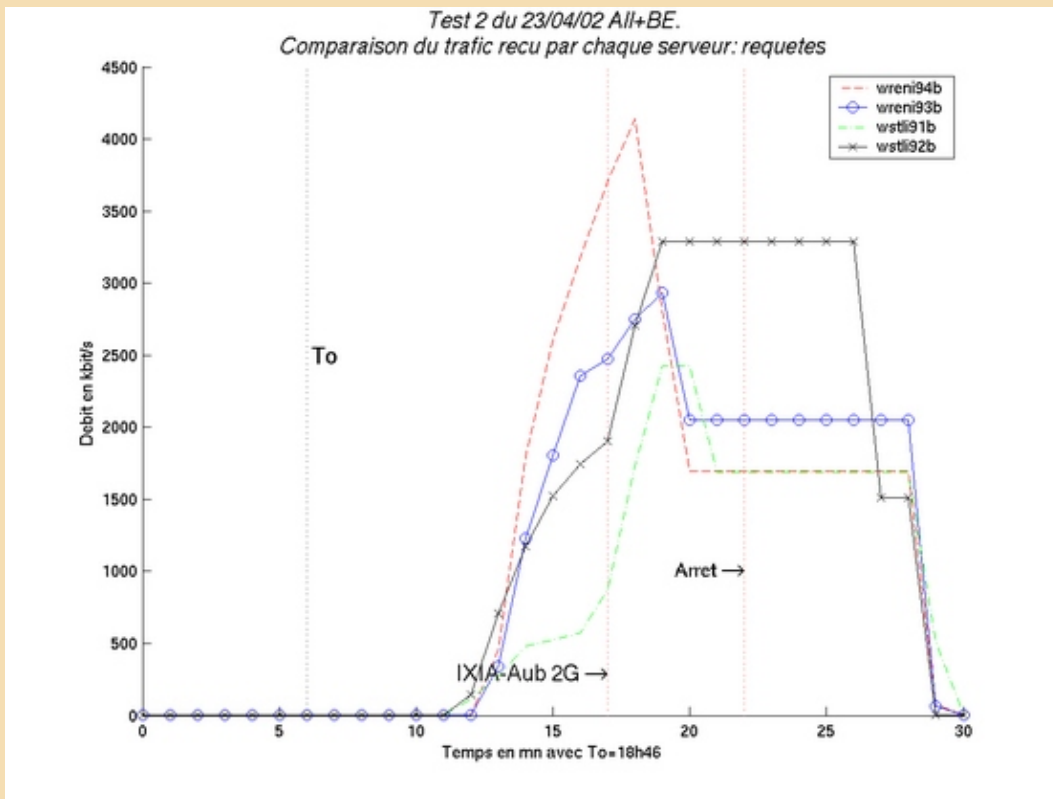
Test B



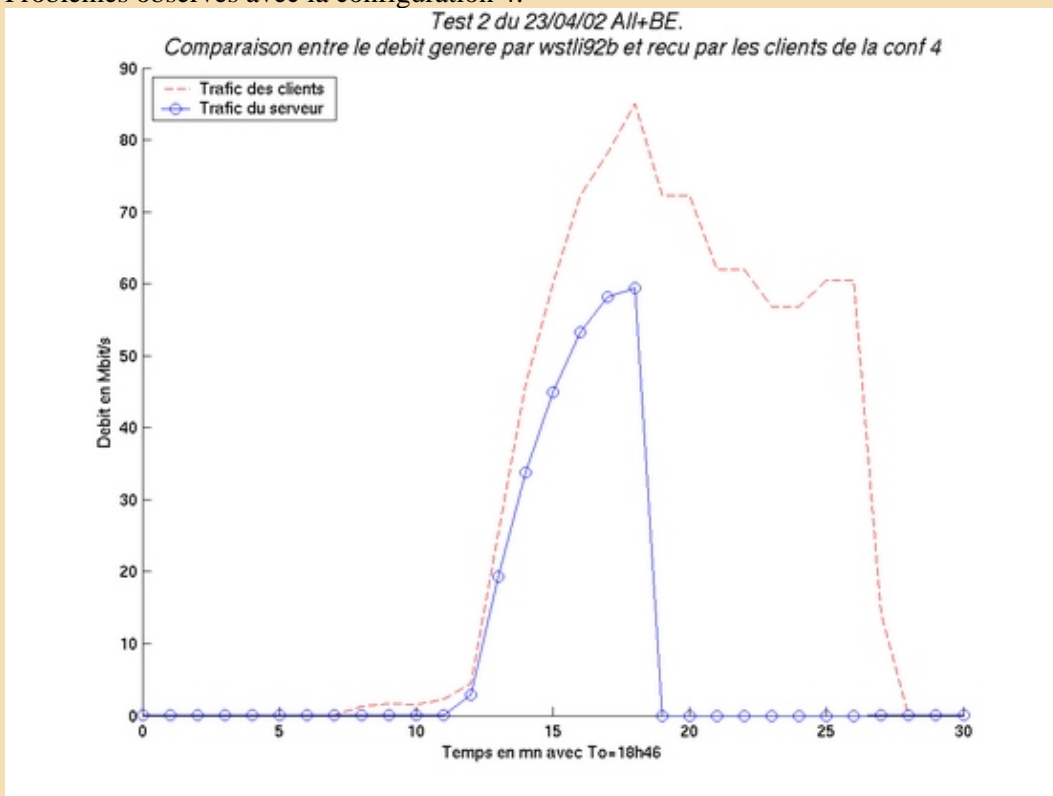


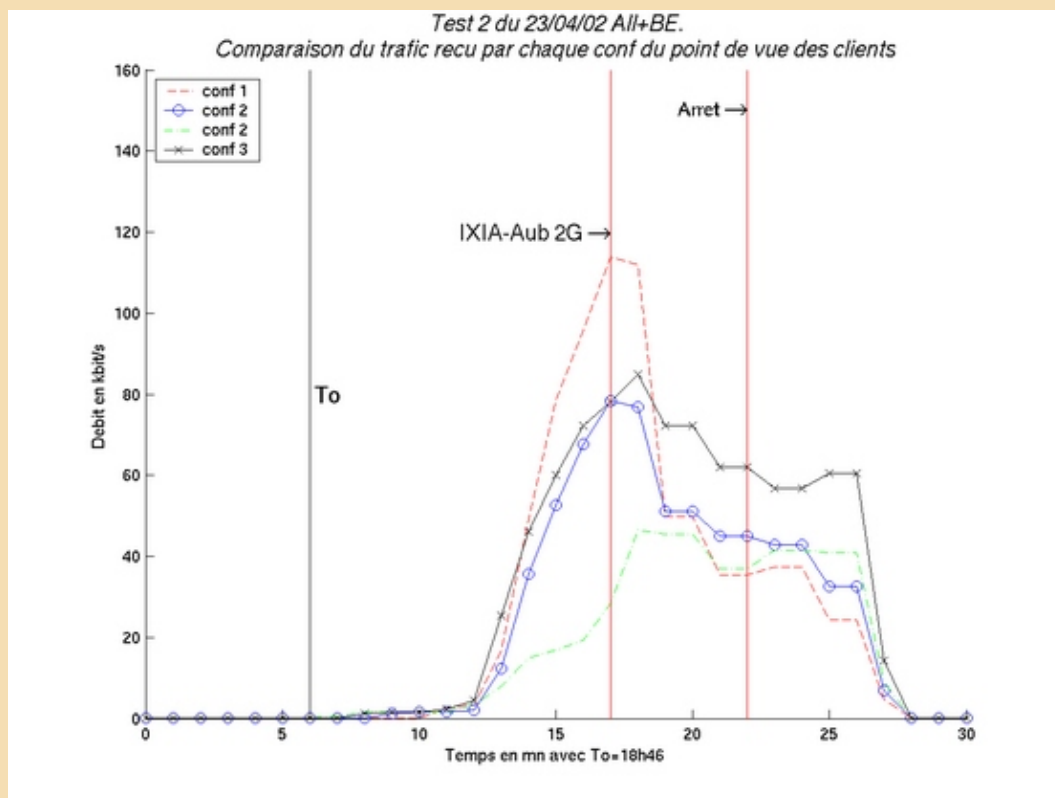
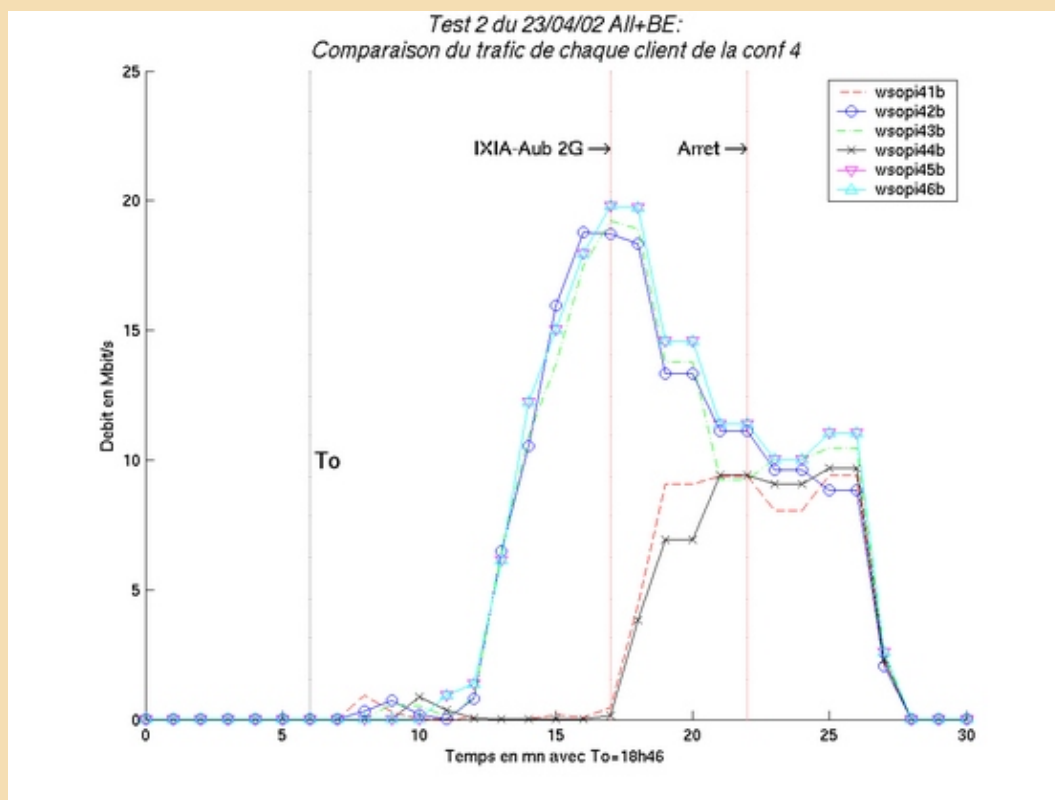




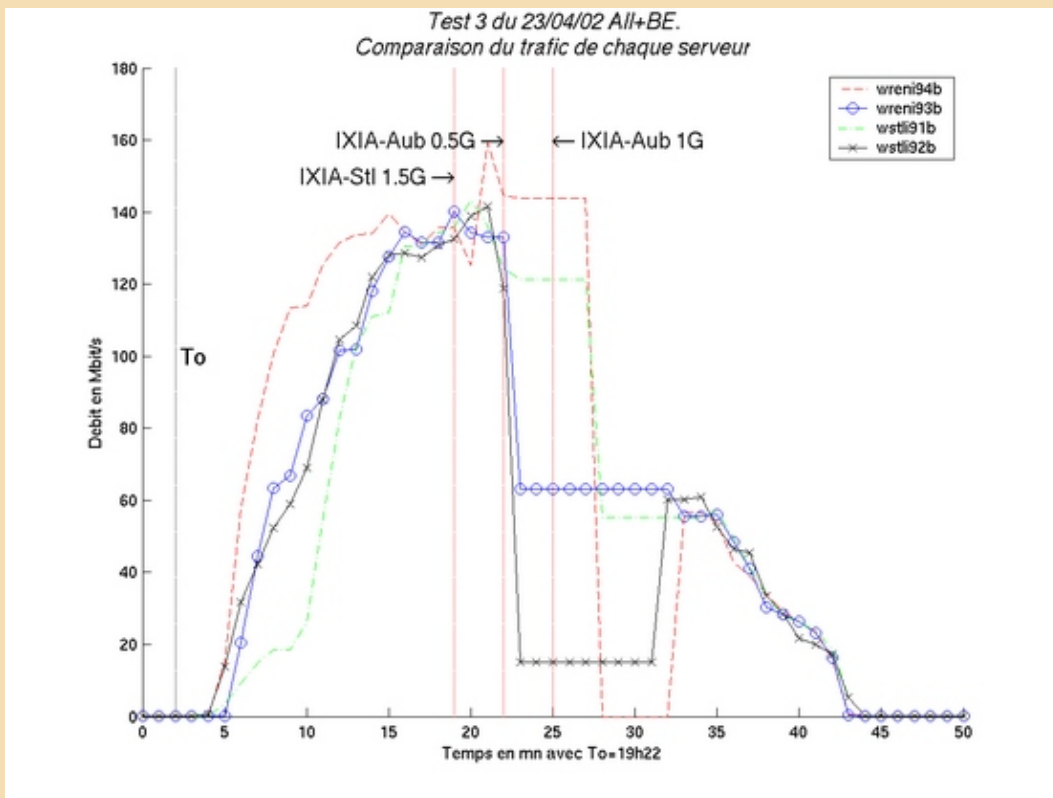
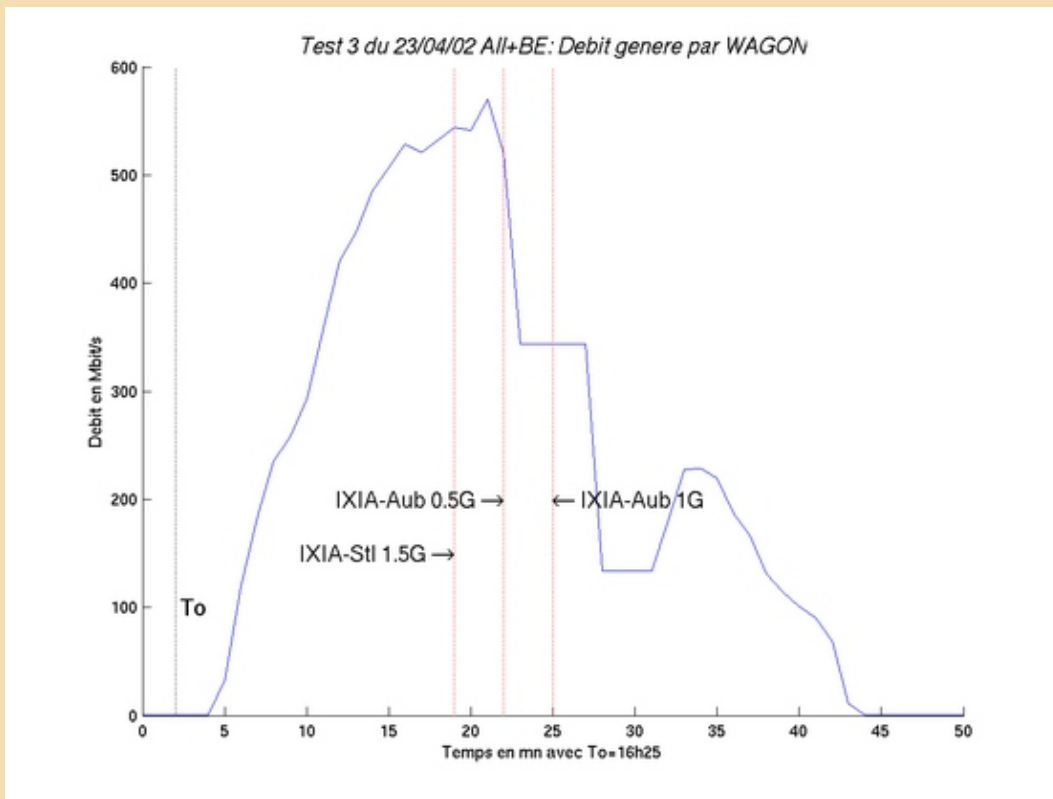


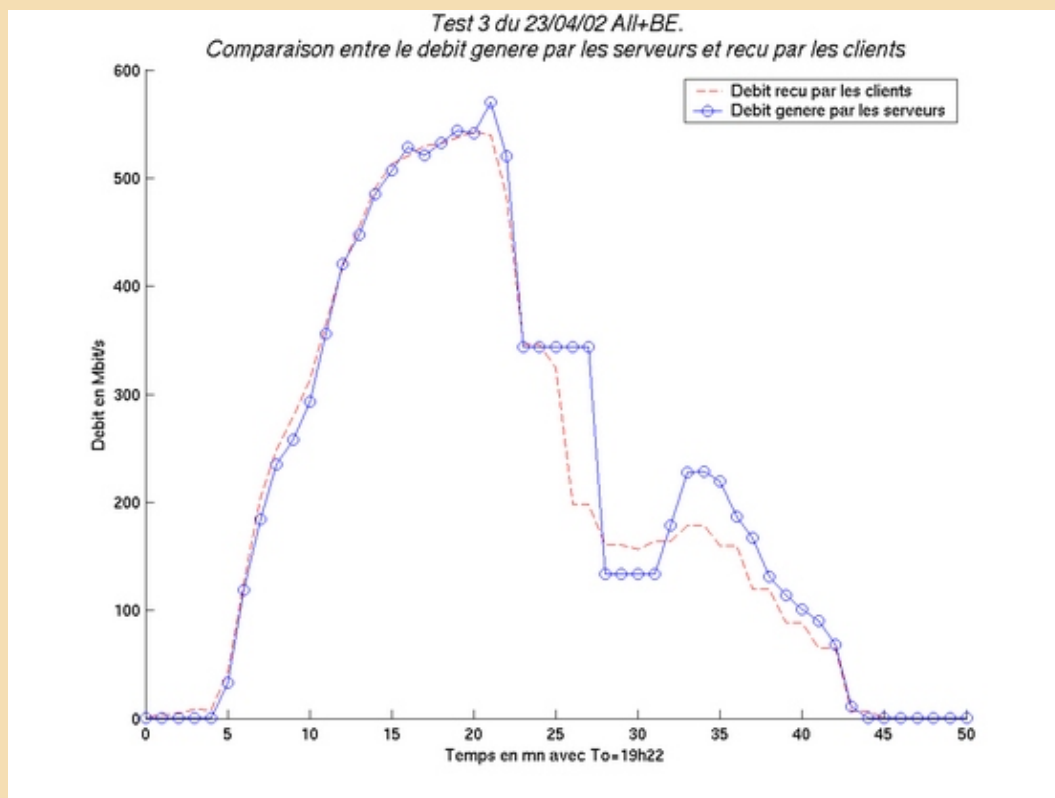
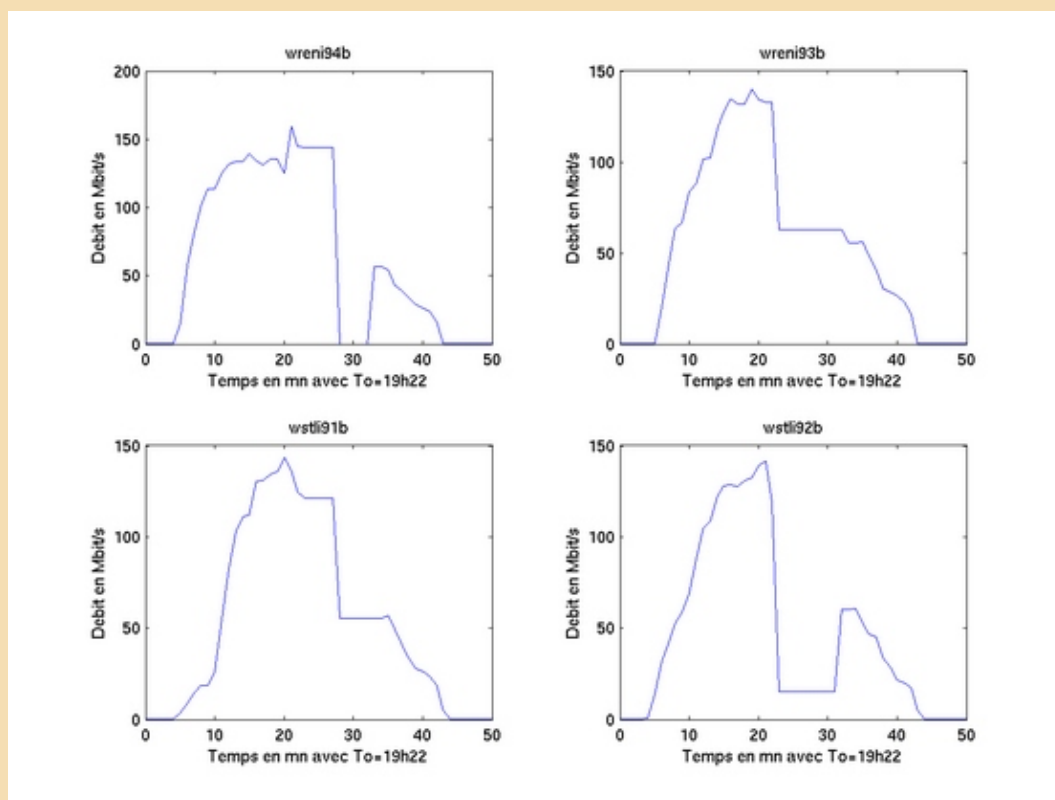
Problèmes observés avec la configuration 4:

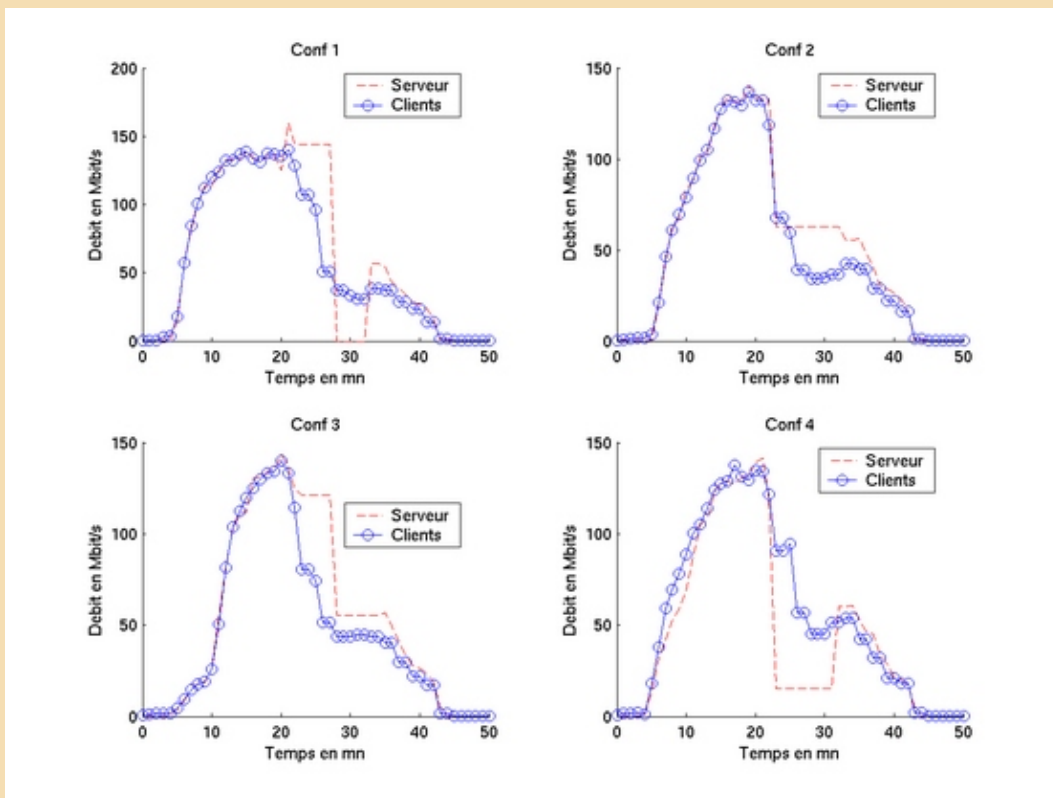
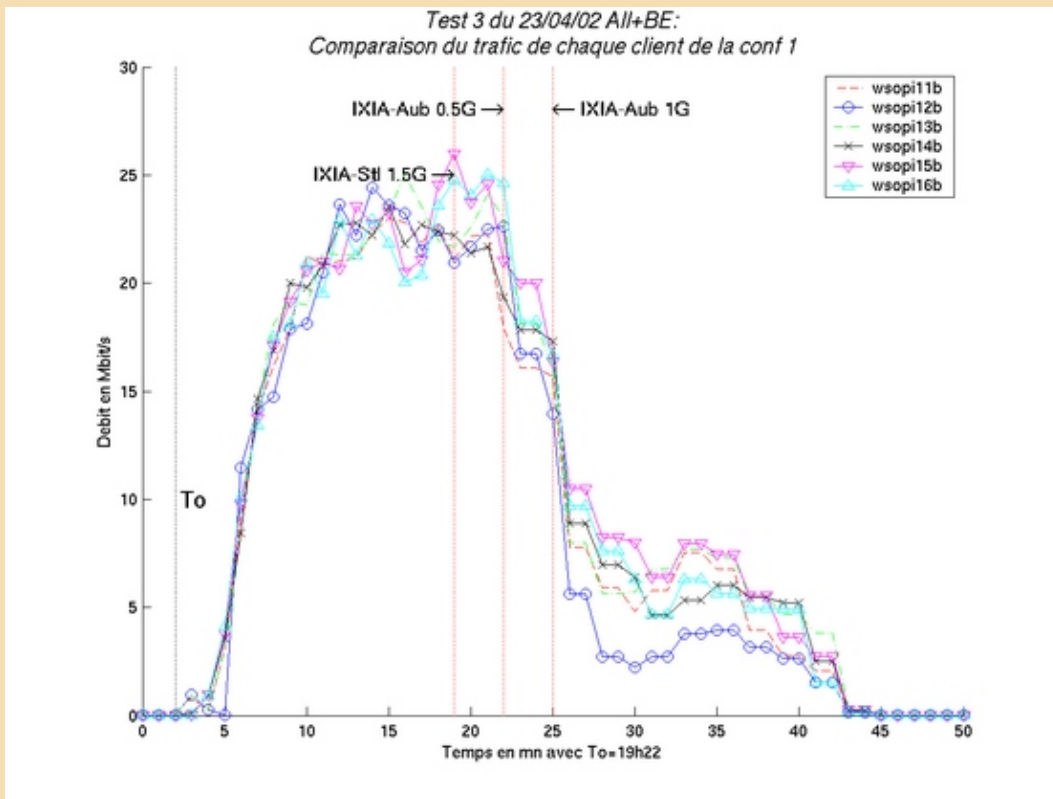


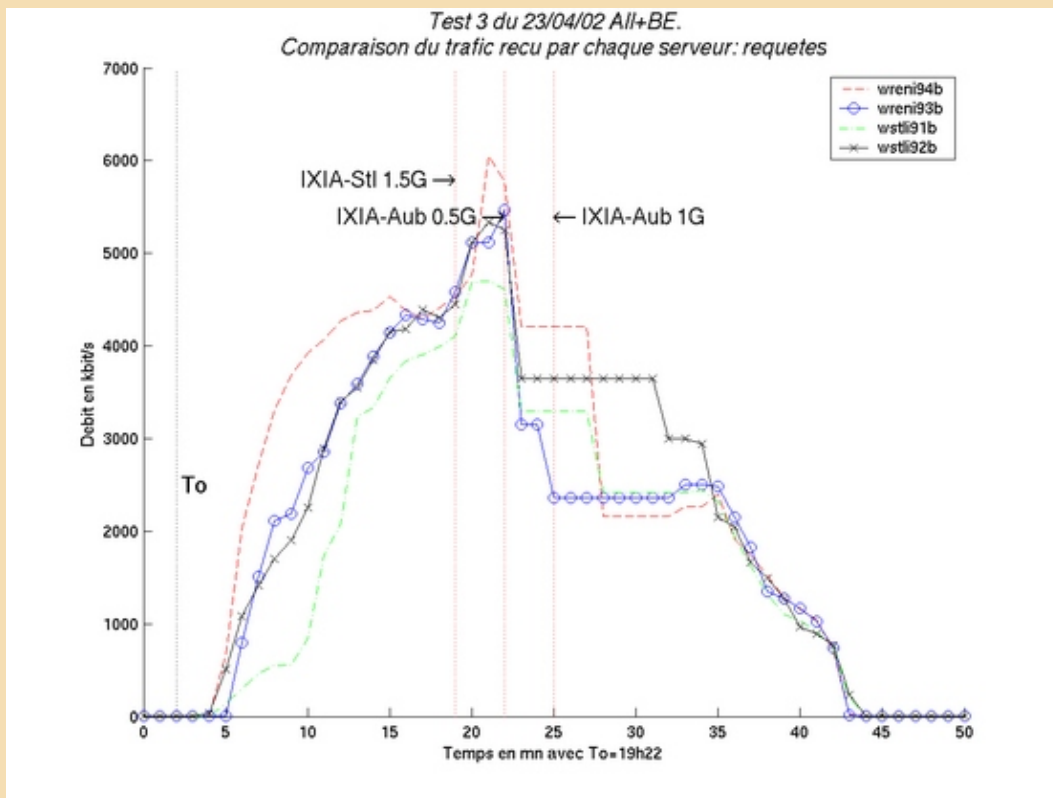
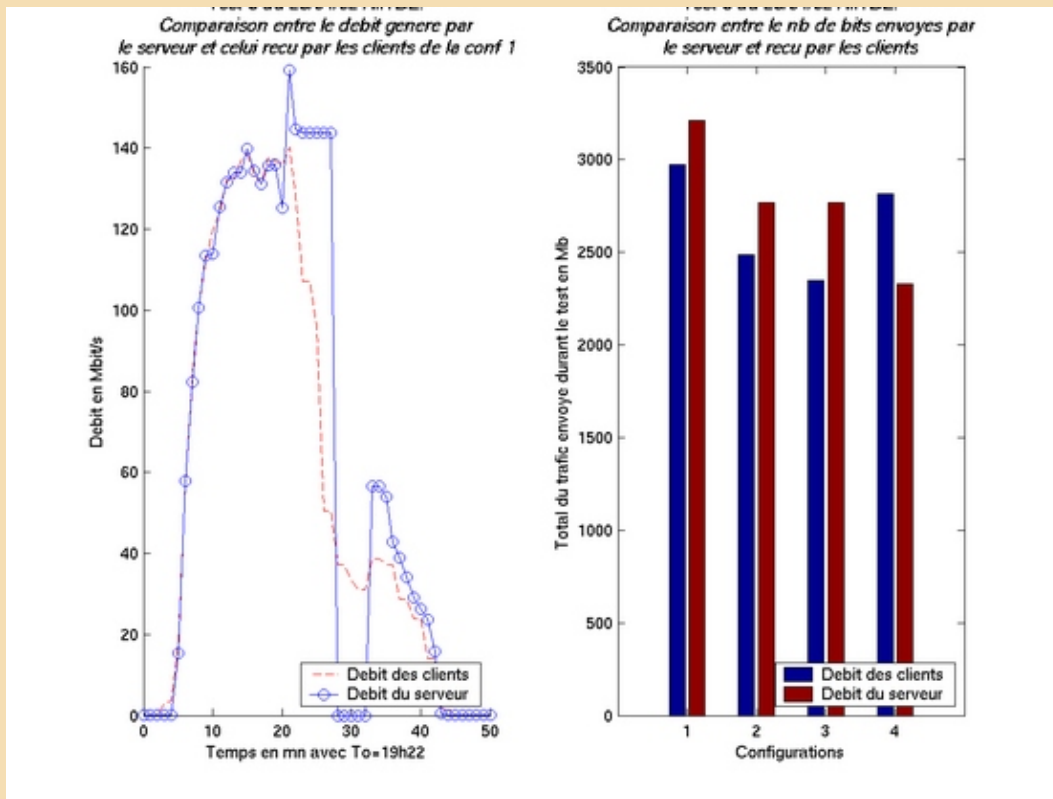


Test C

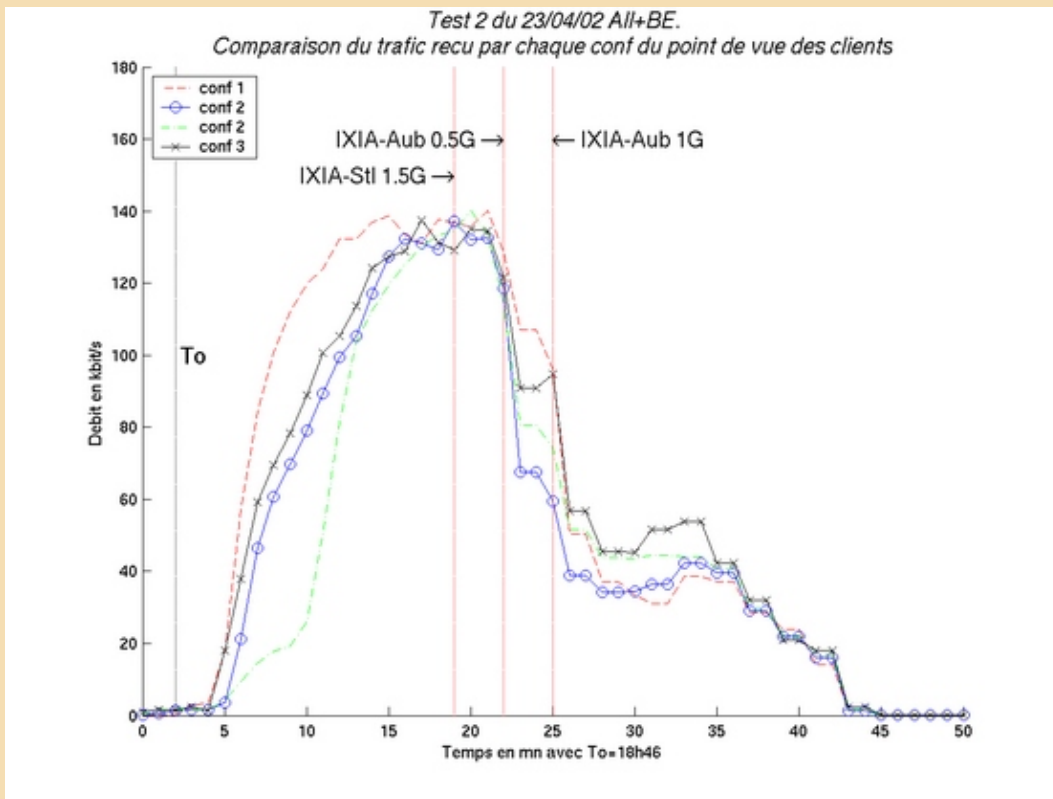






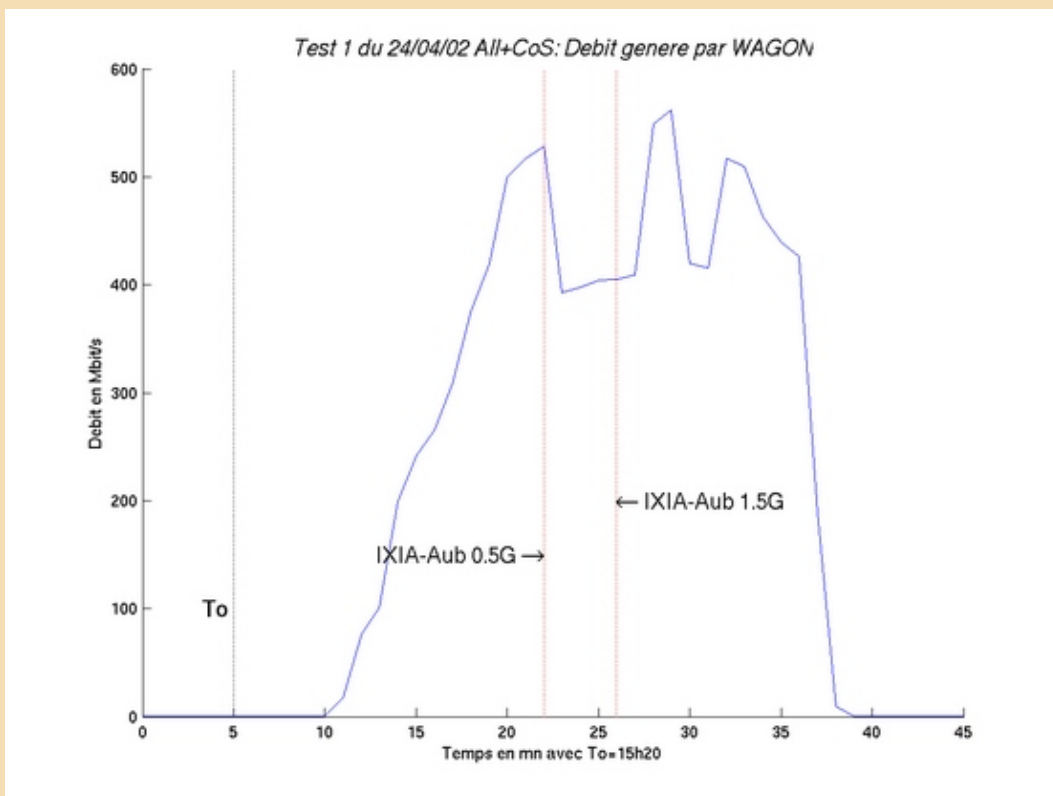


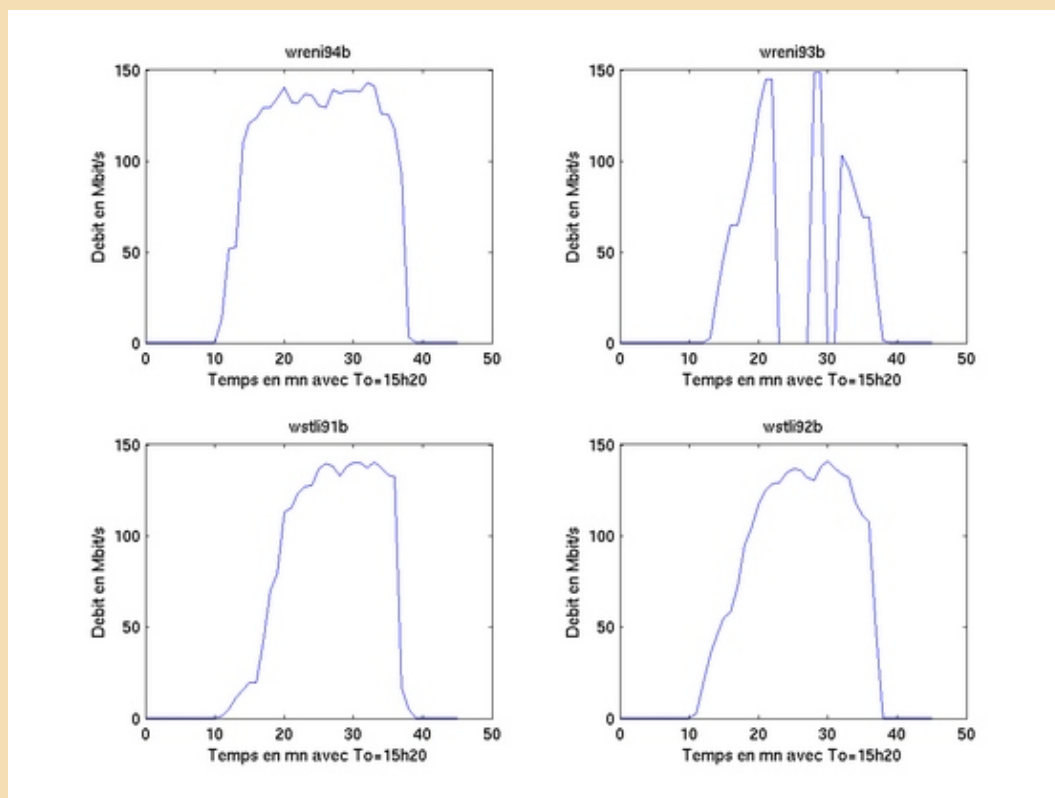
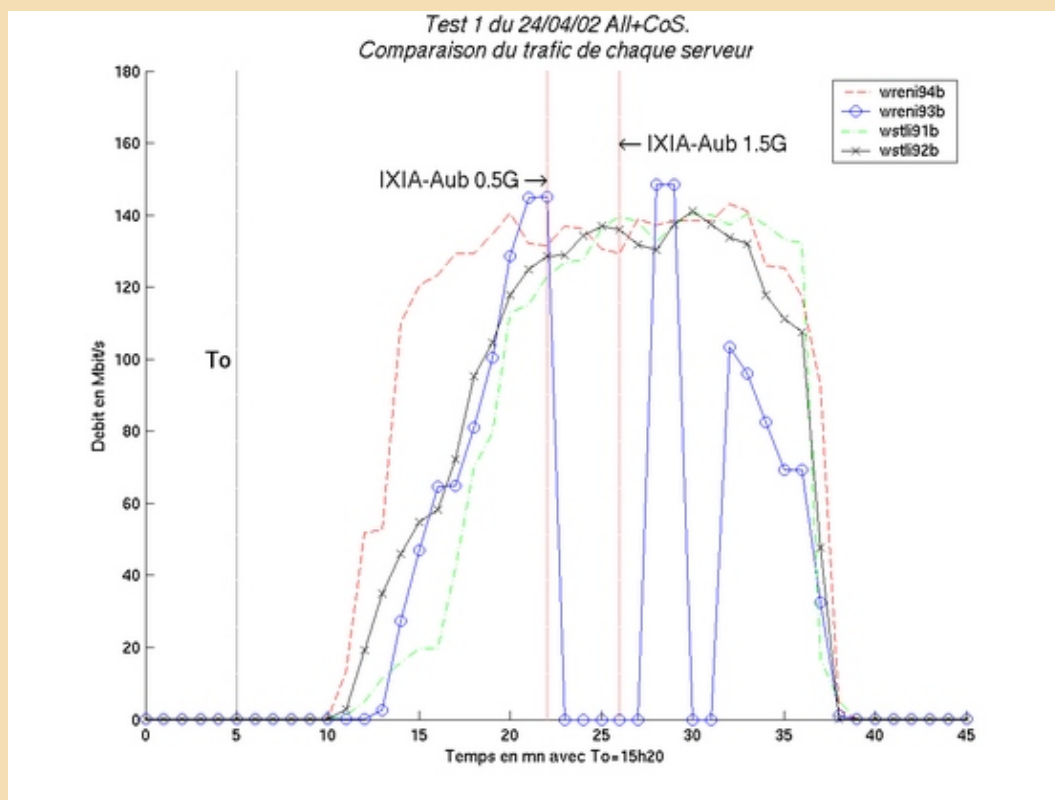
Problèmes observés avec la configuration 4:

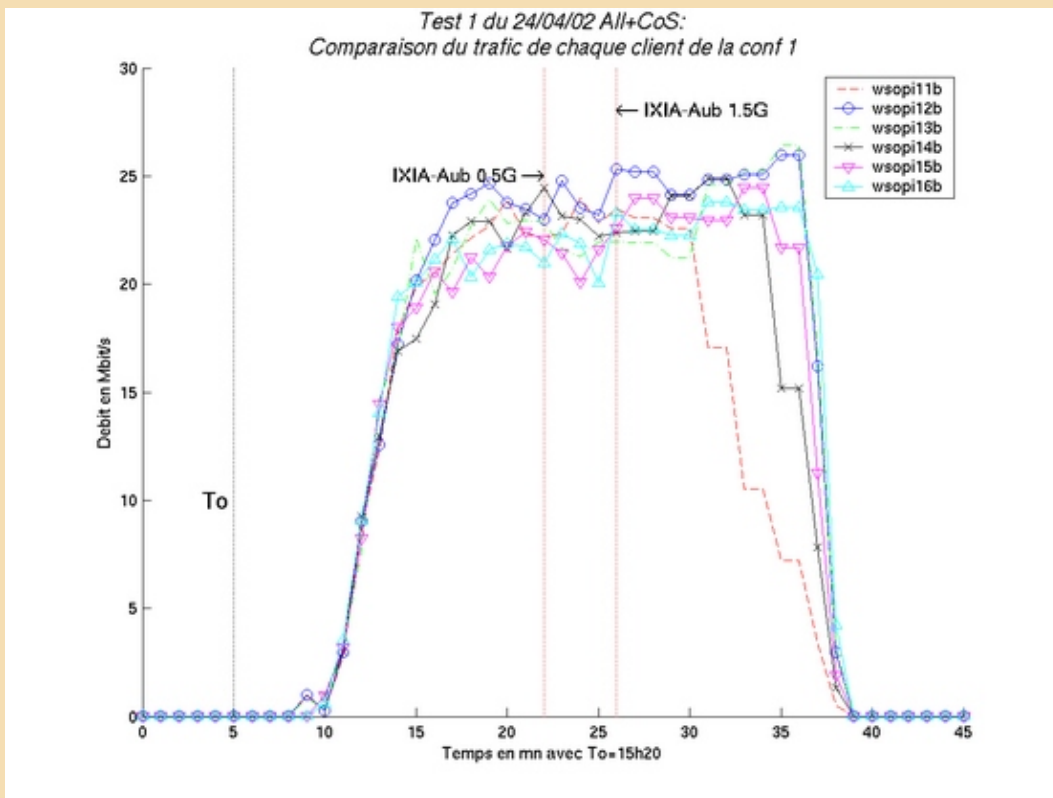
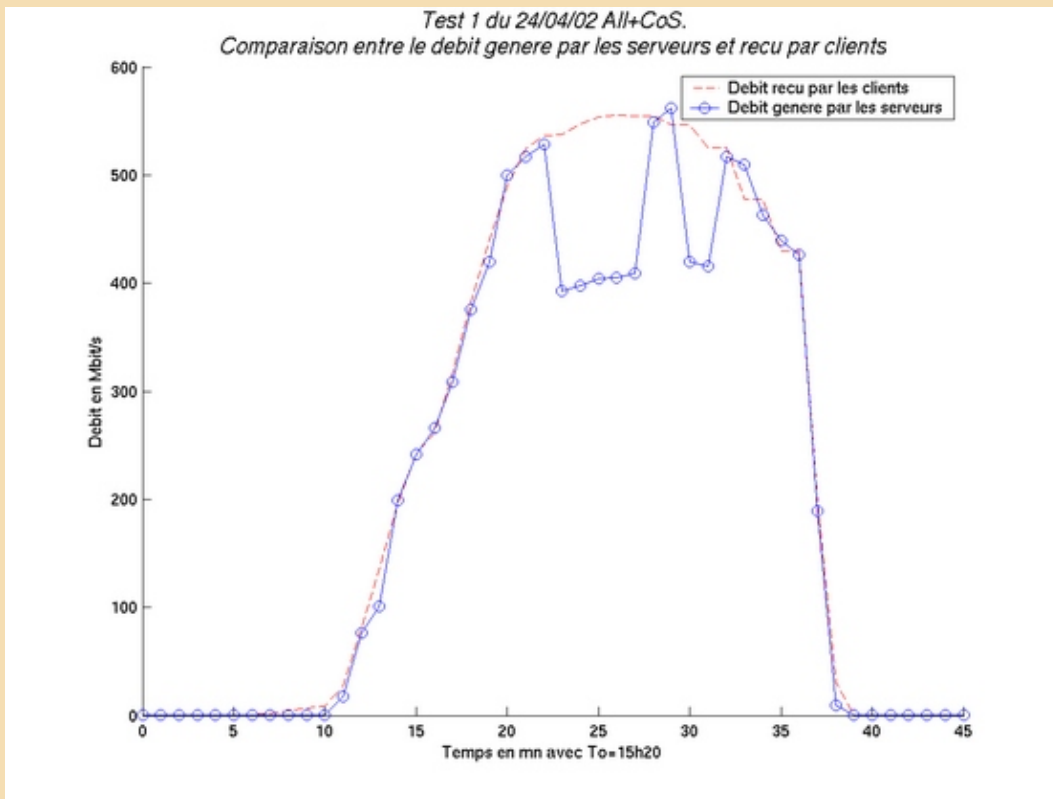


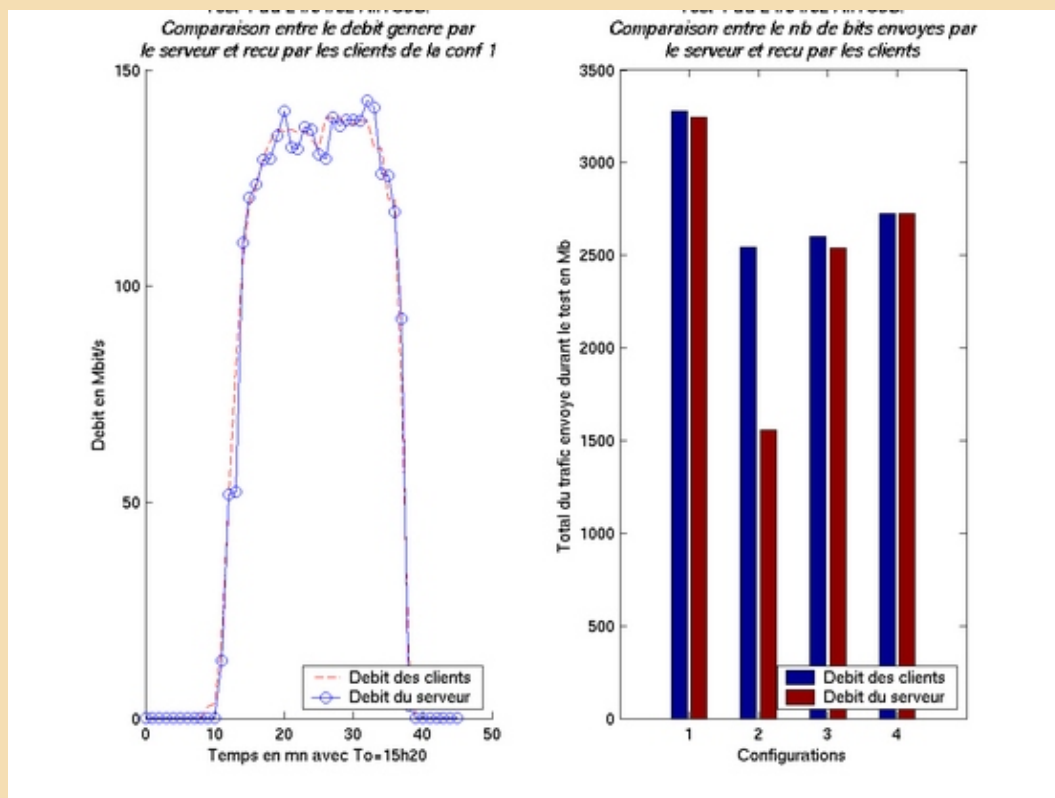
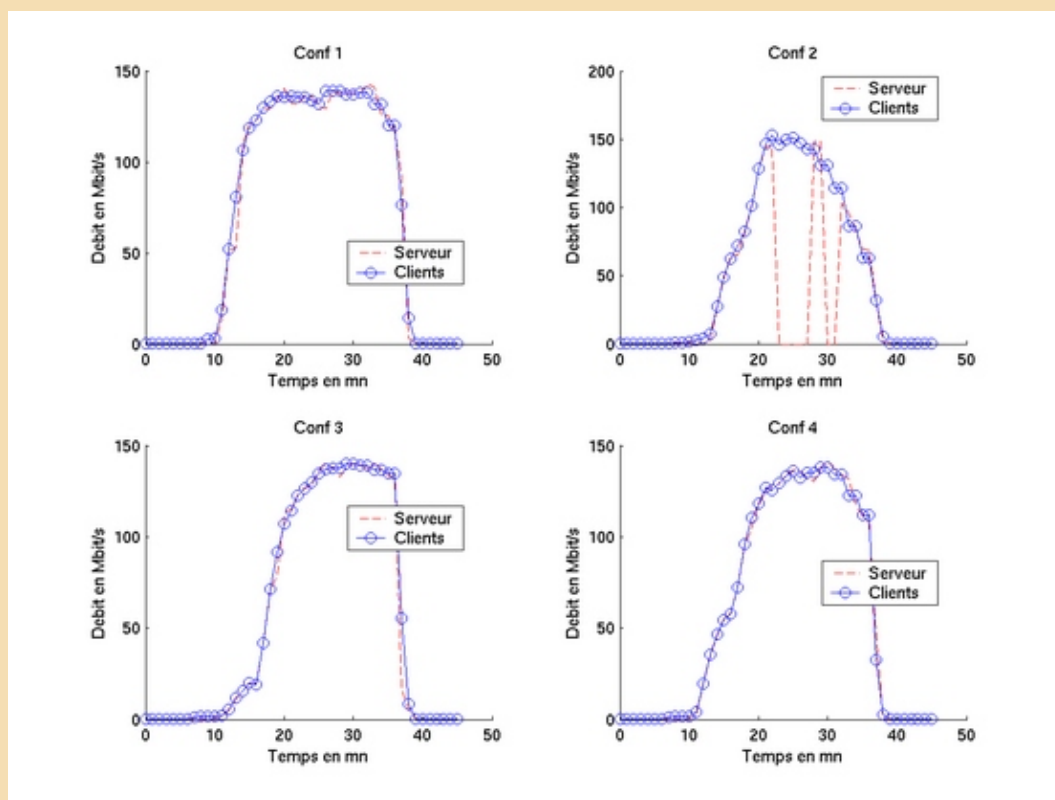
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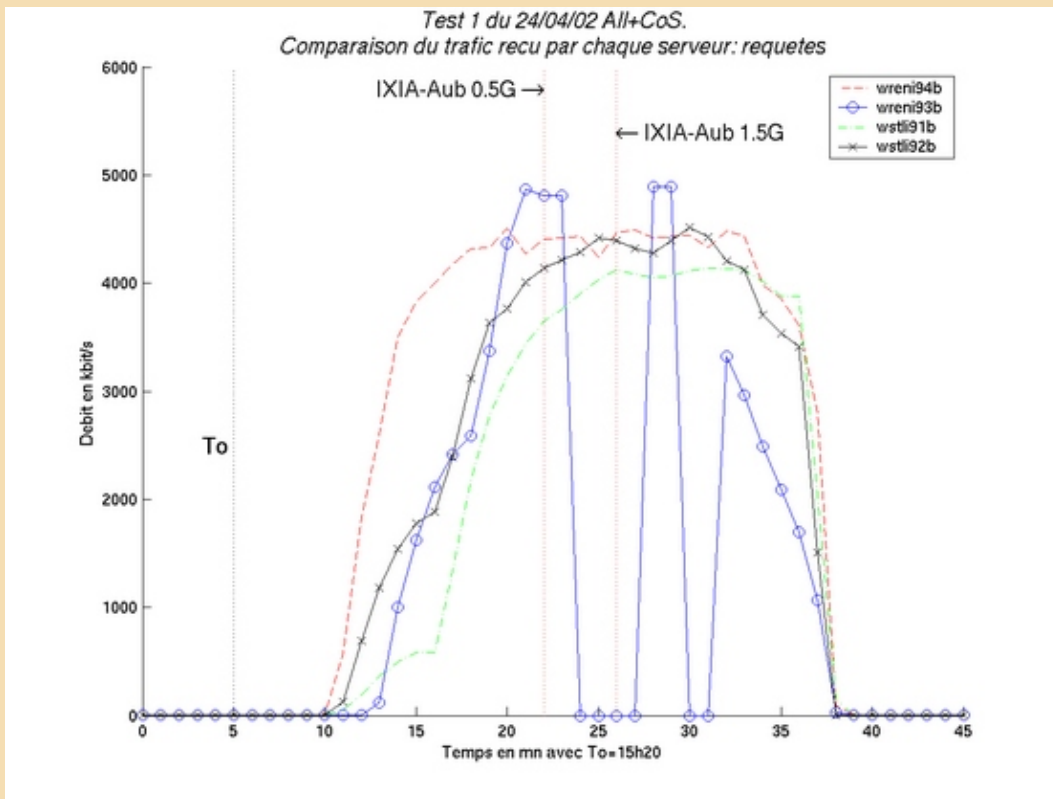
Test A



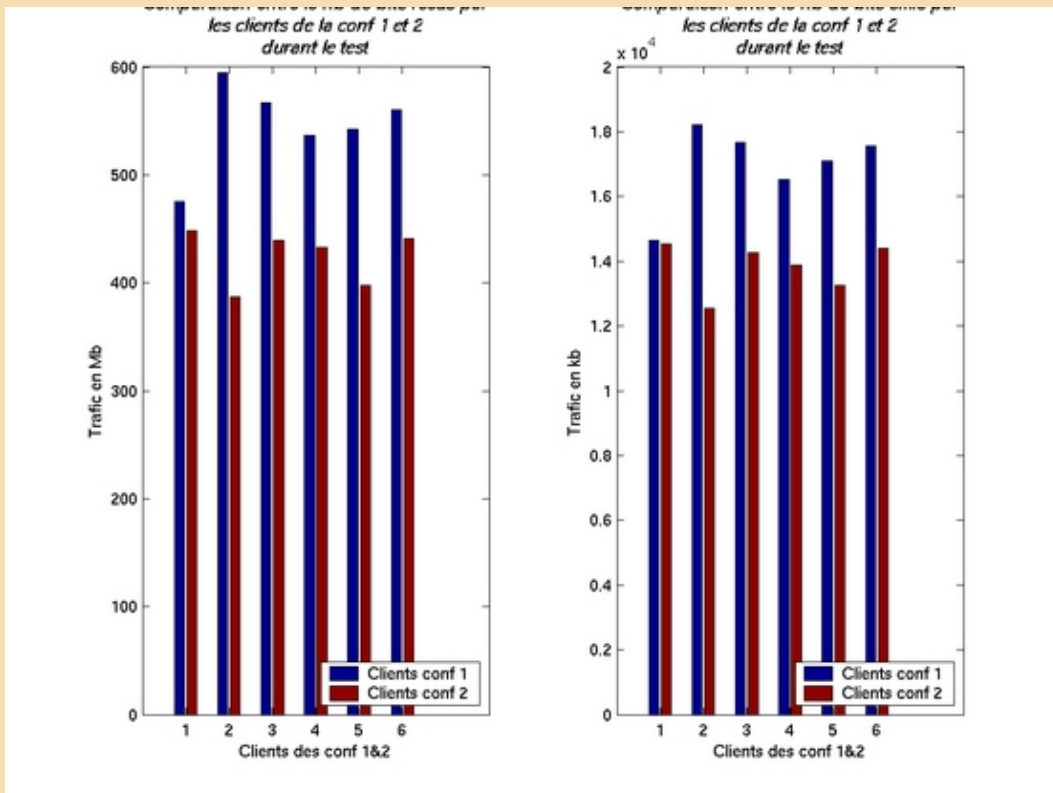


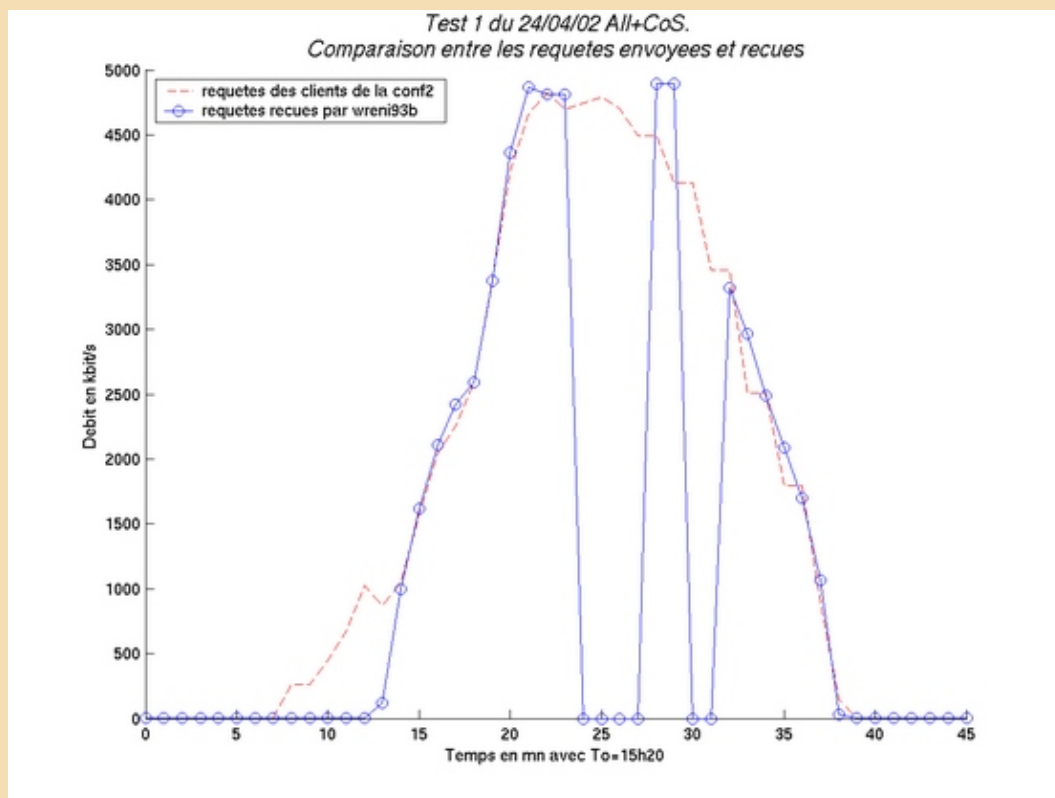
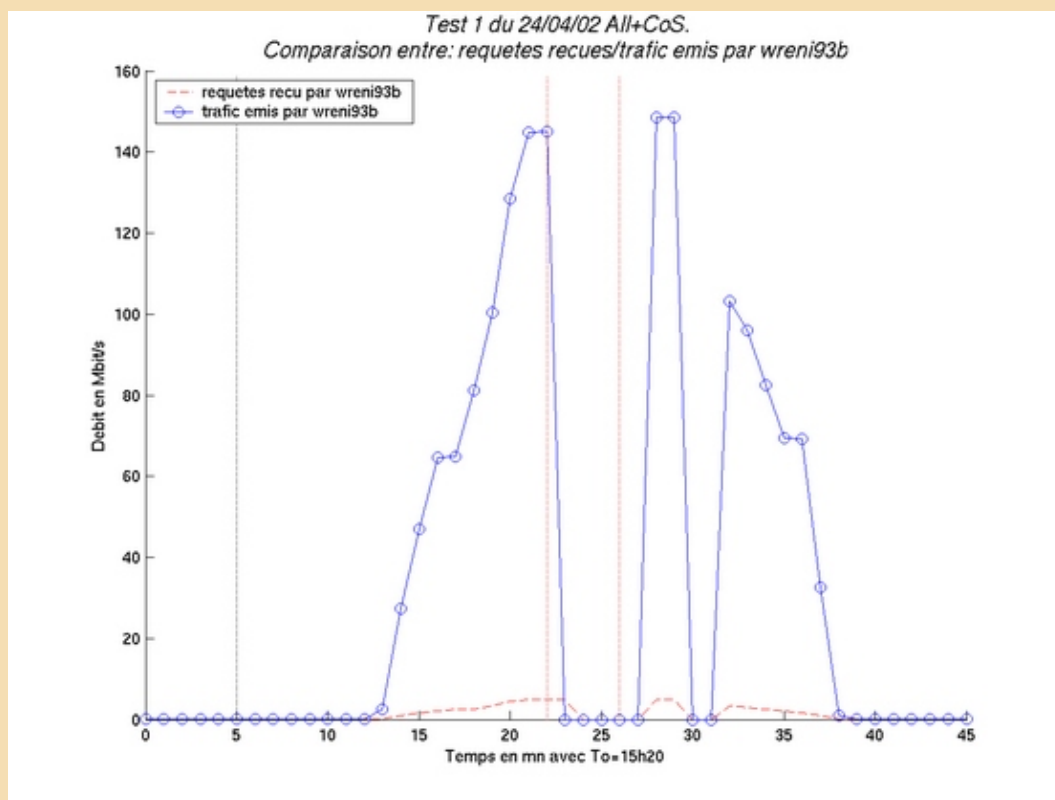


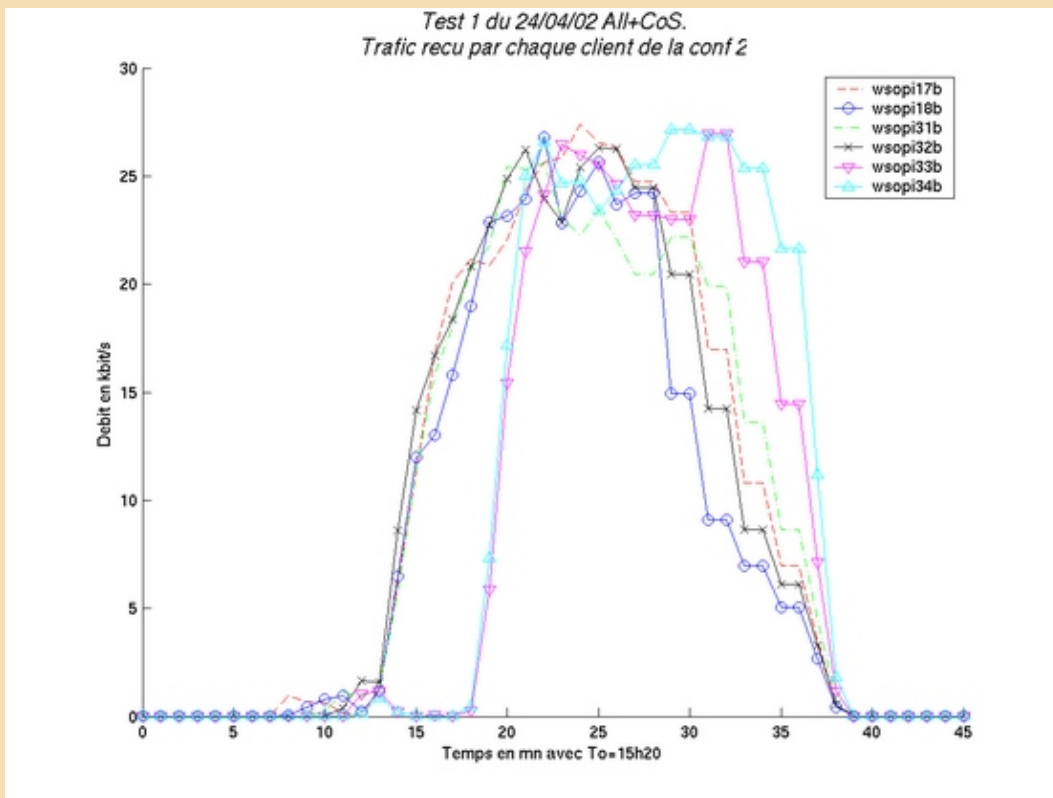
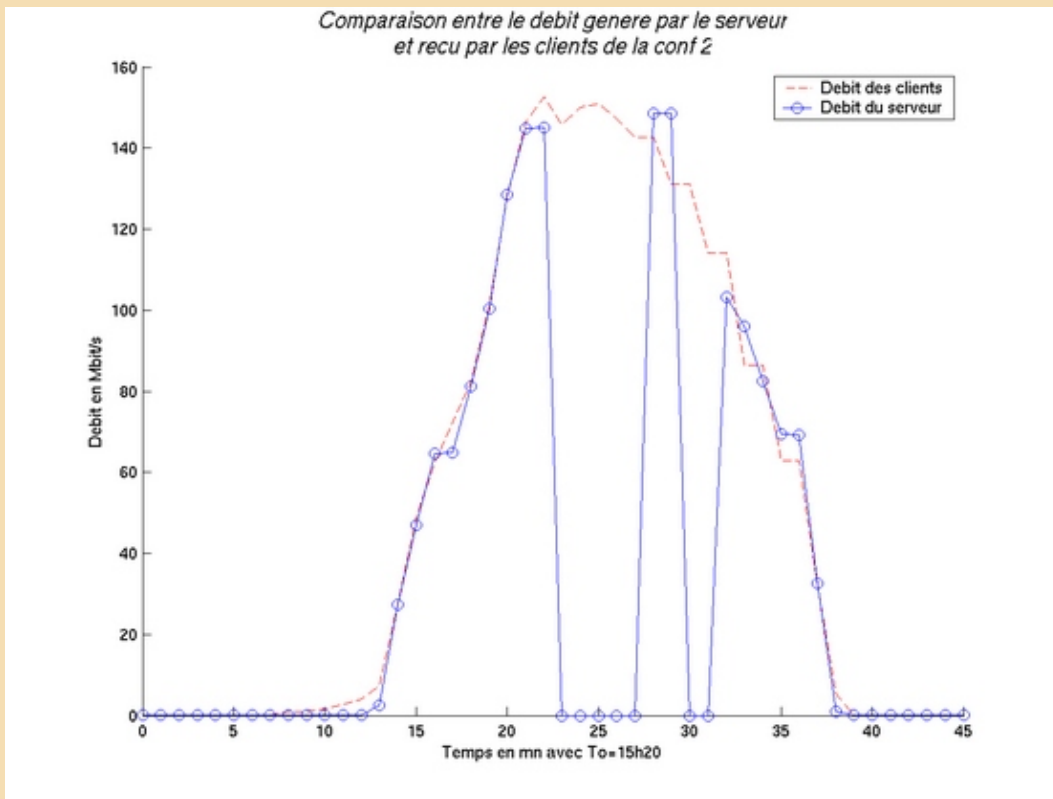


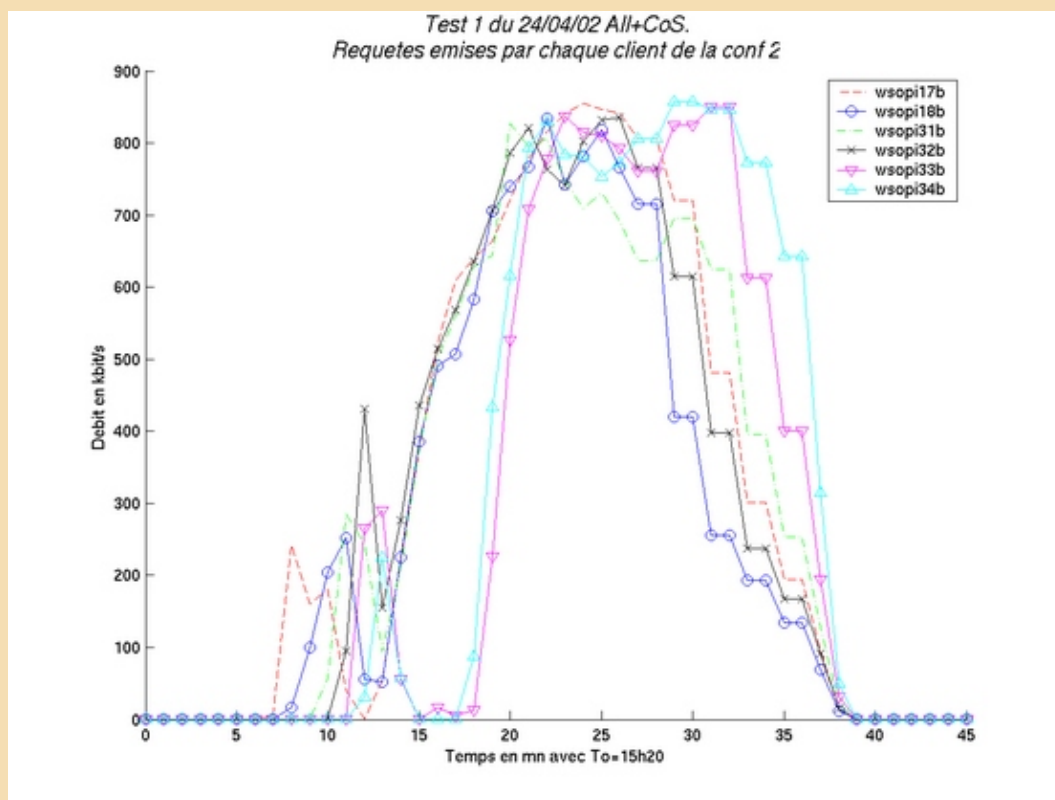


Problèmes observés avec la configuration 2:

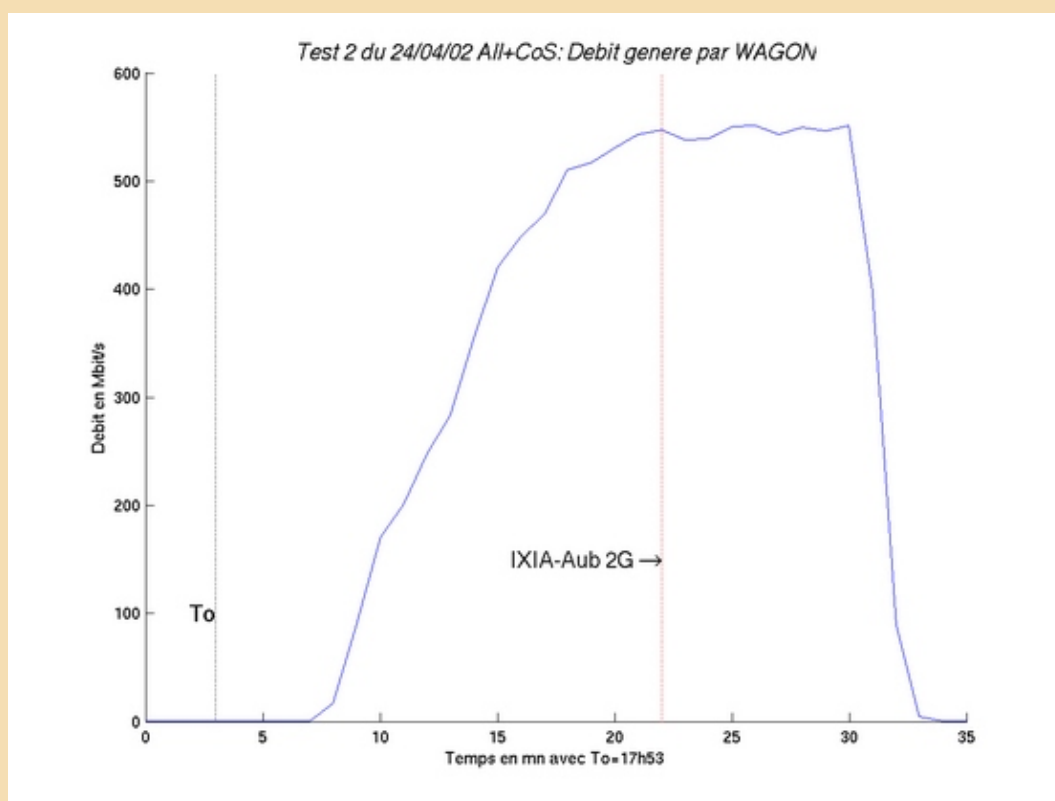


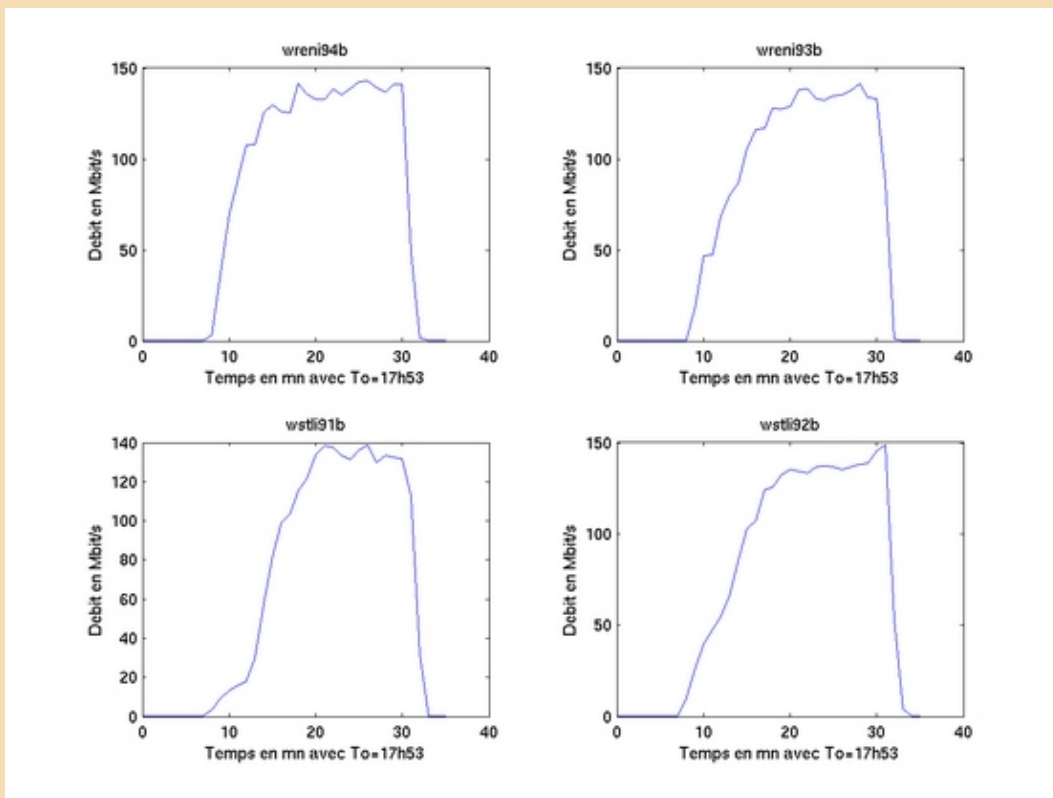
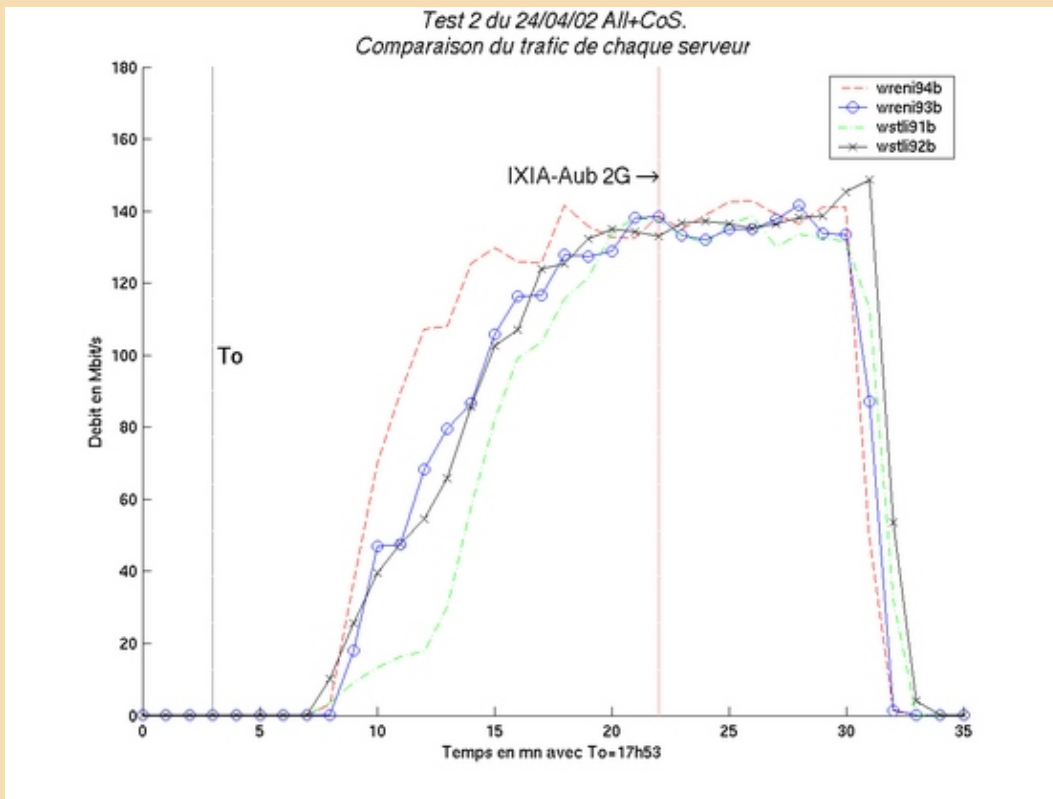


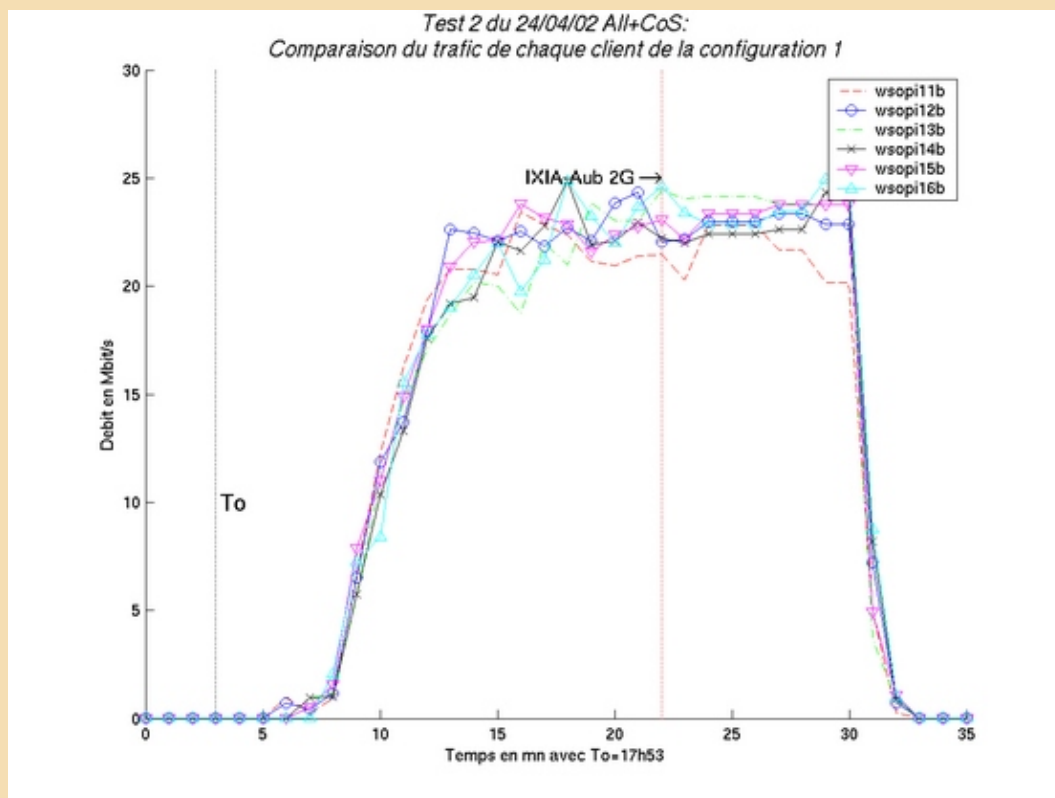
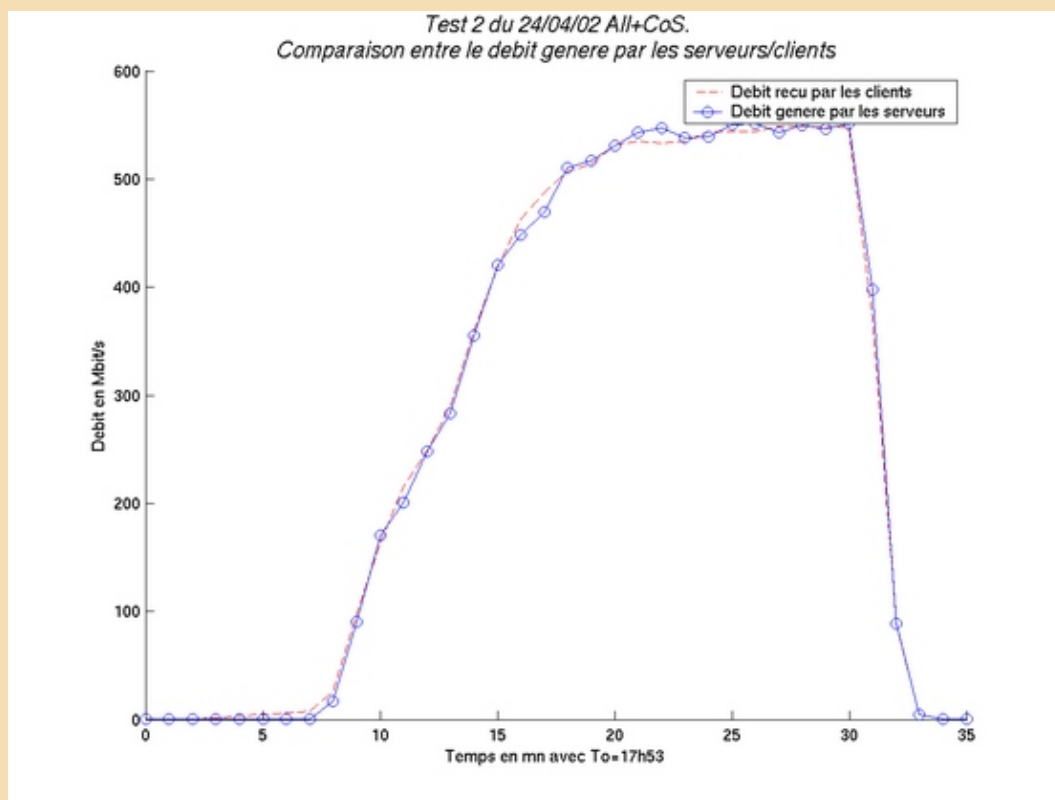


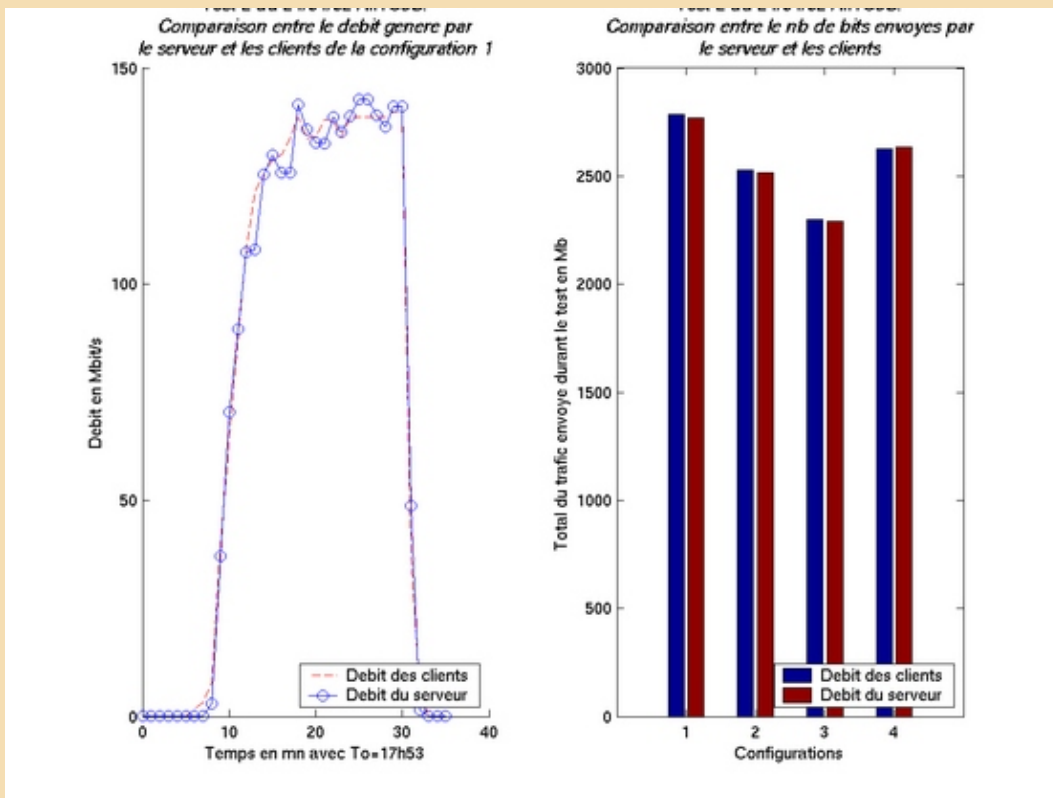
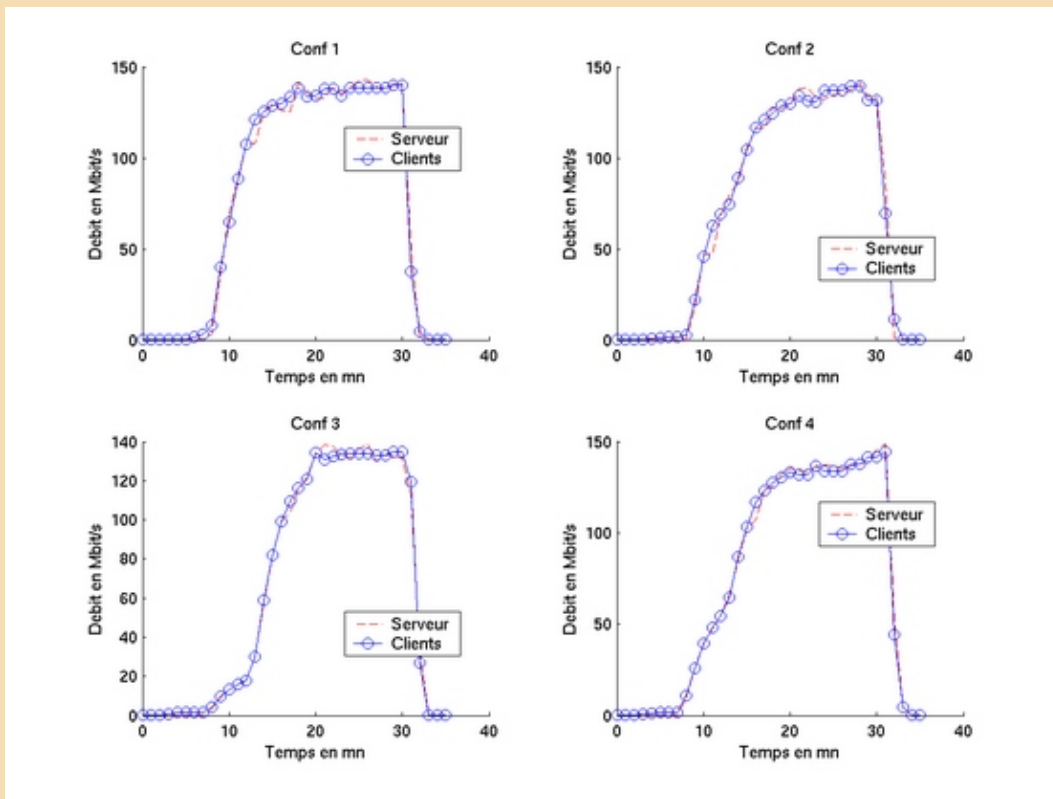


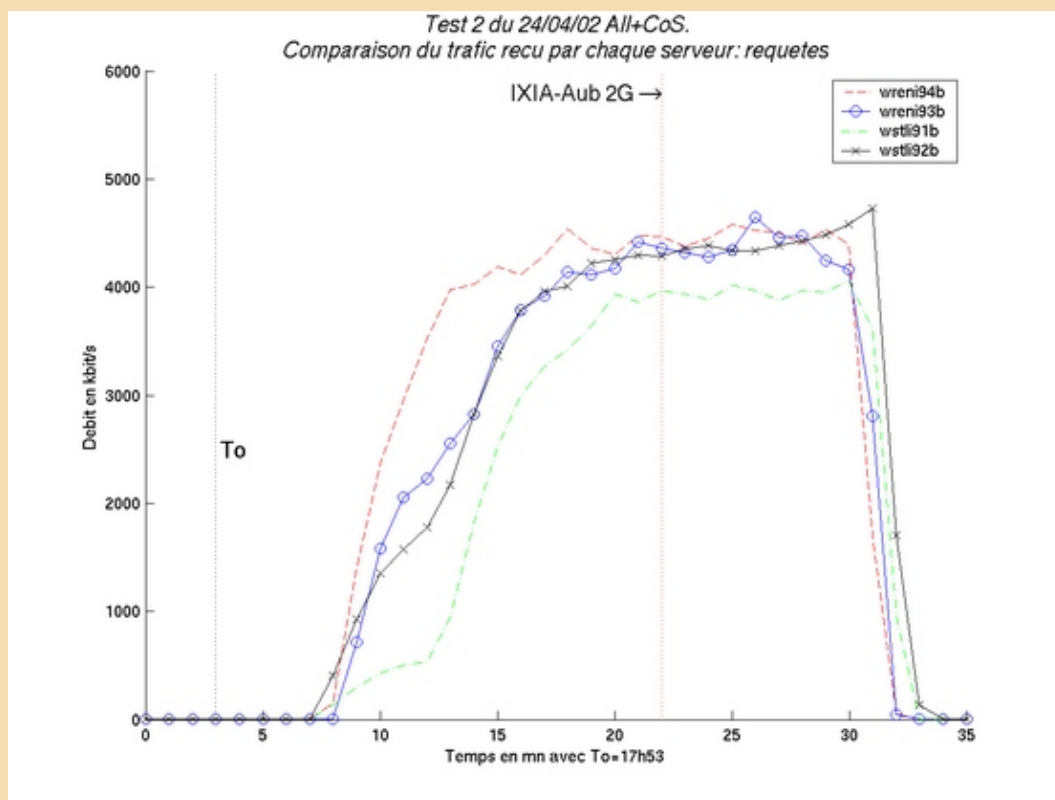
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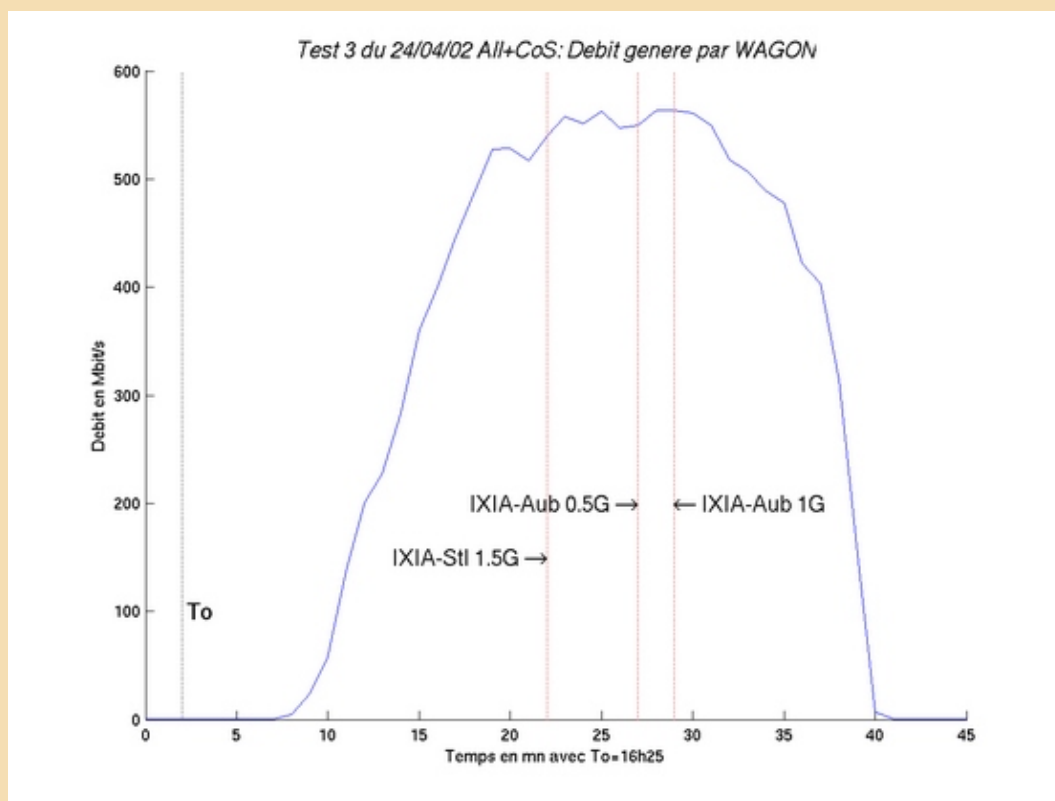


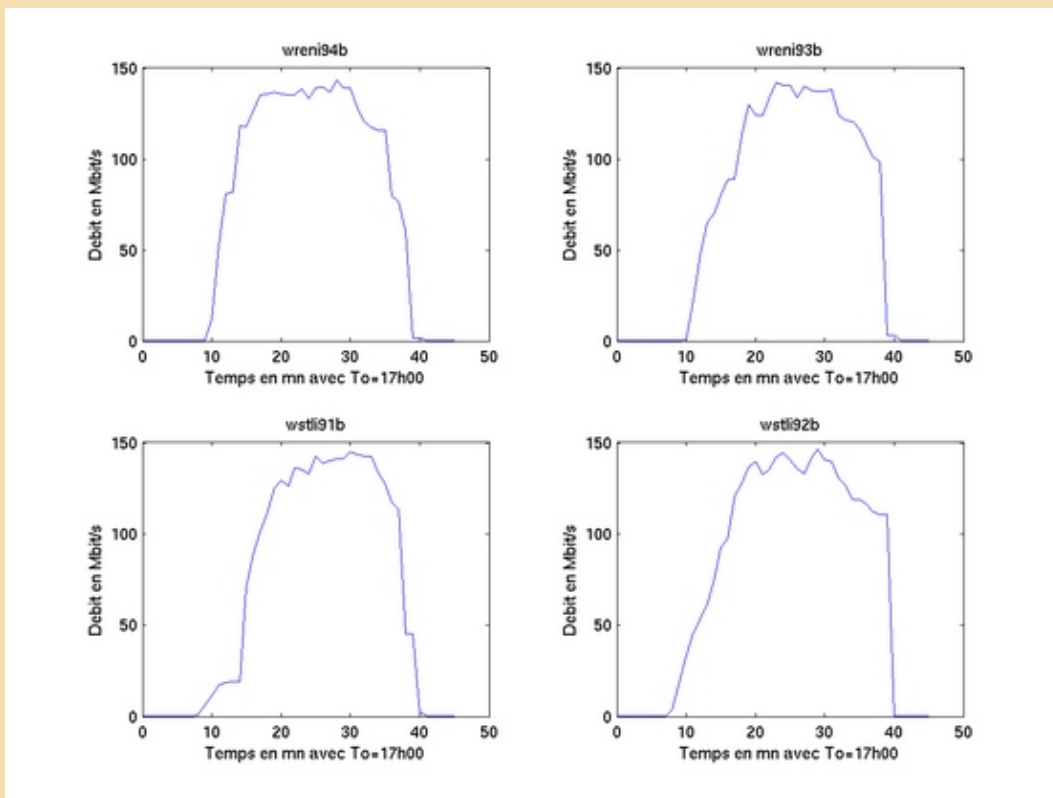
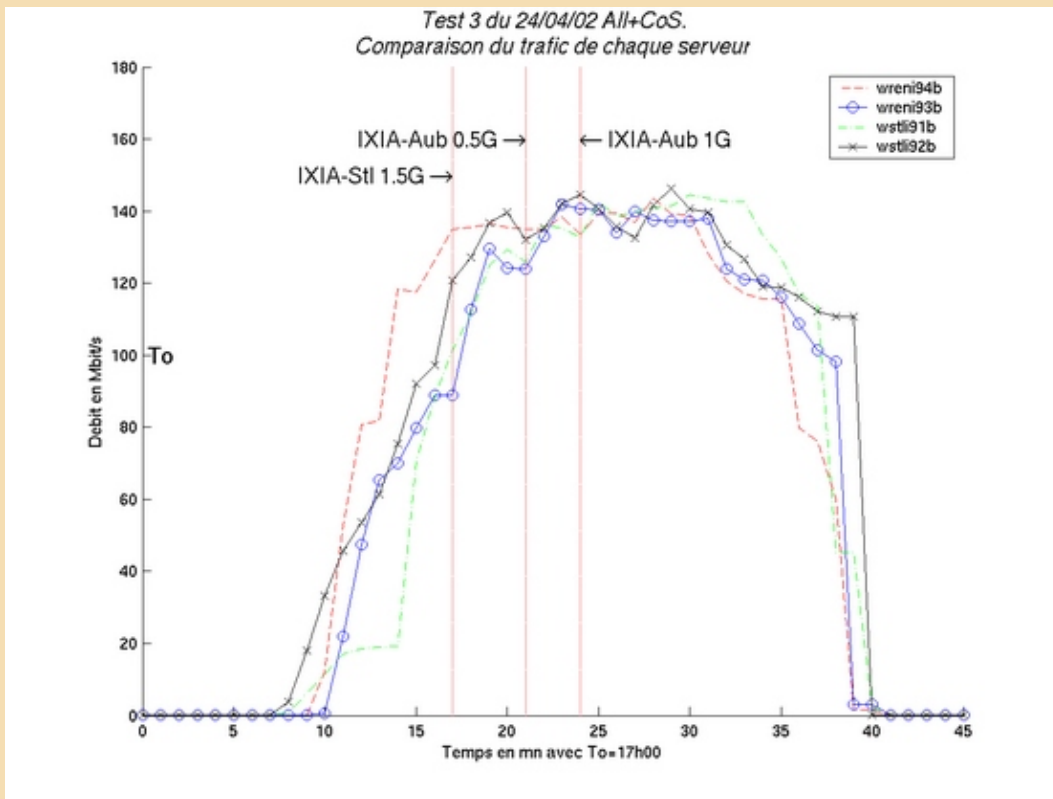


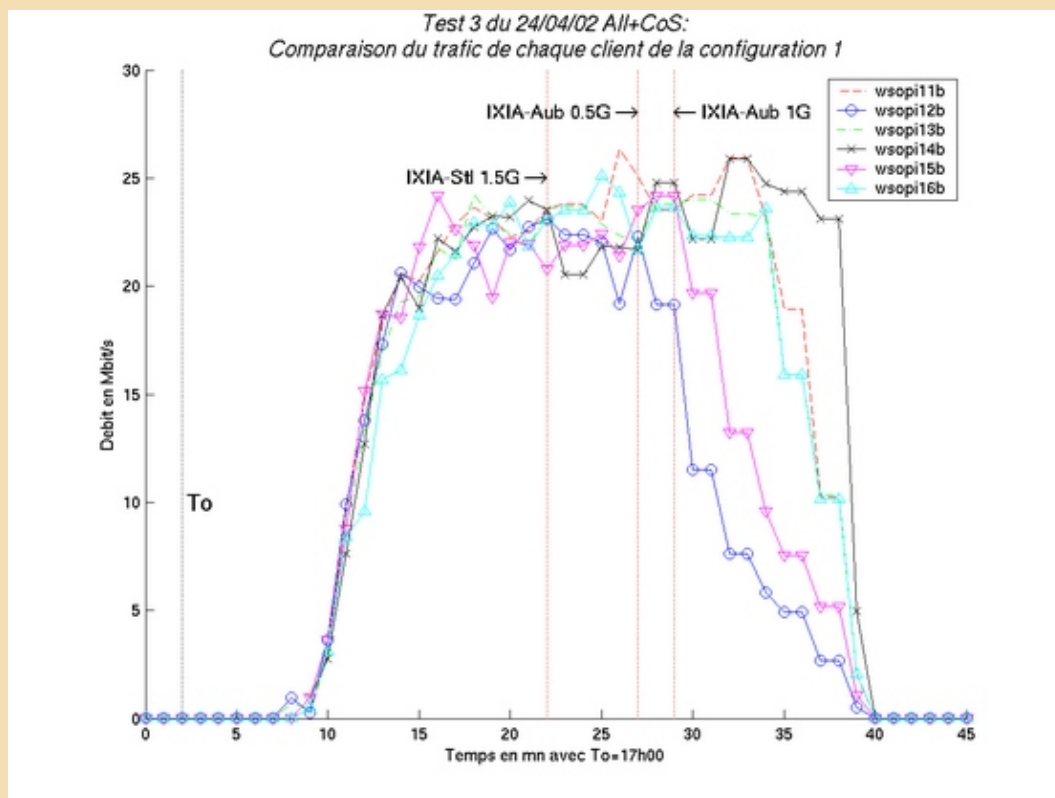
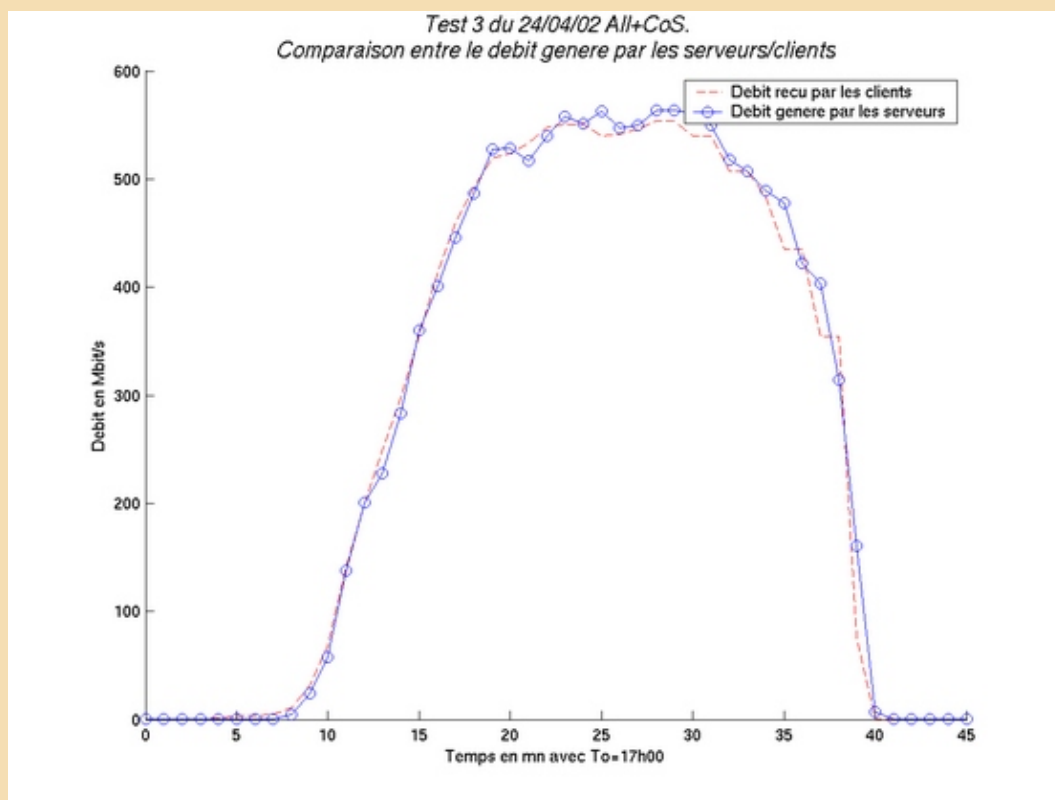


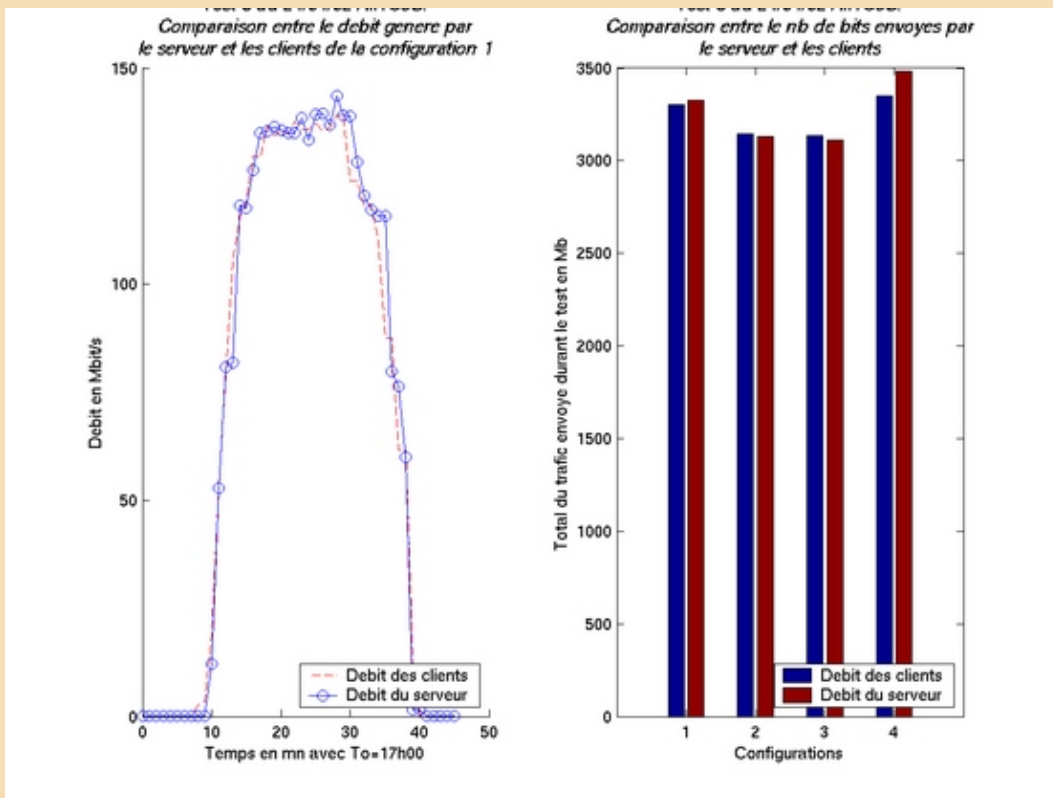
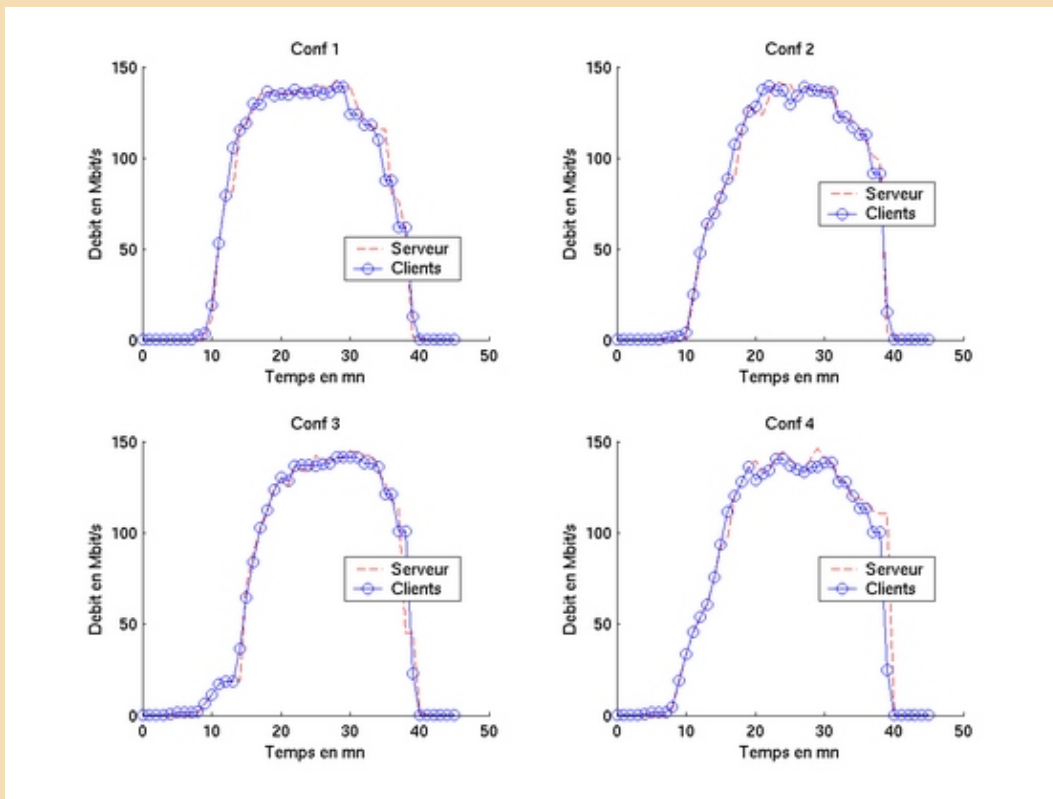


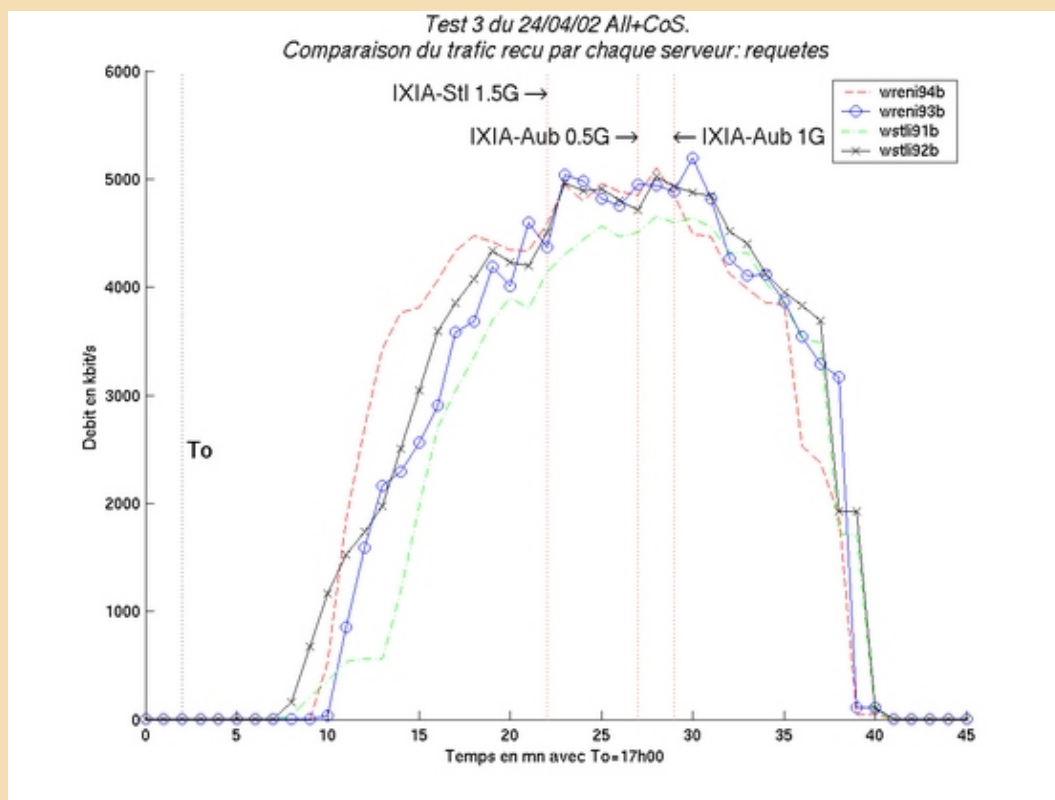
Test C





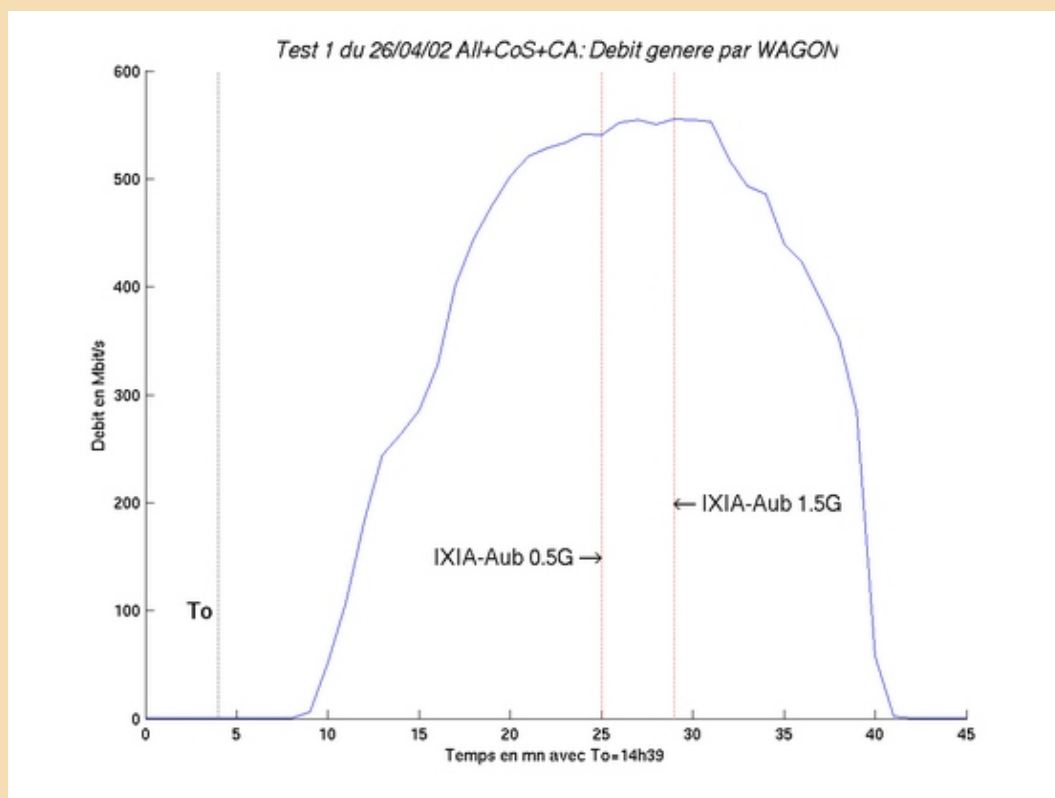


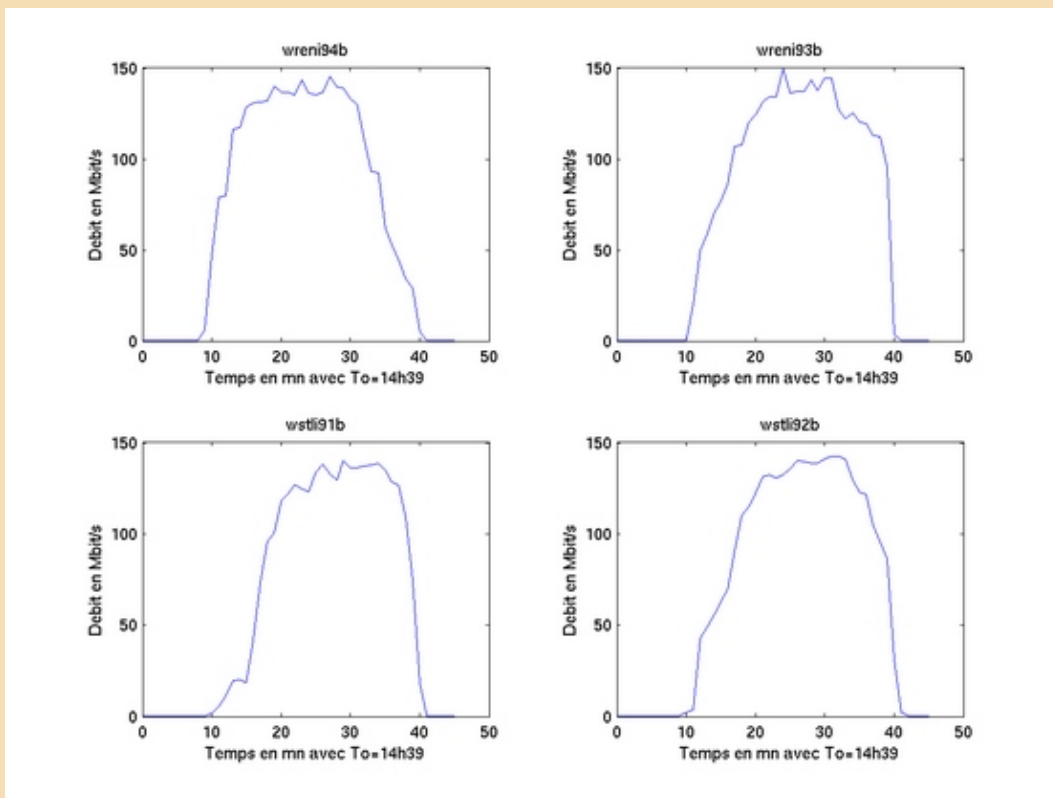
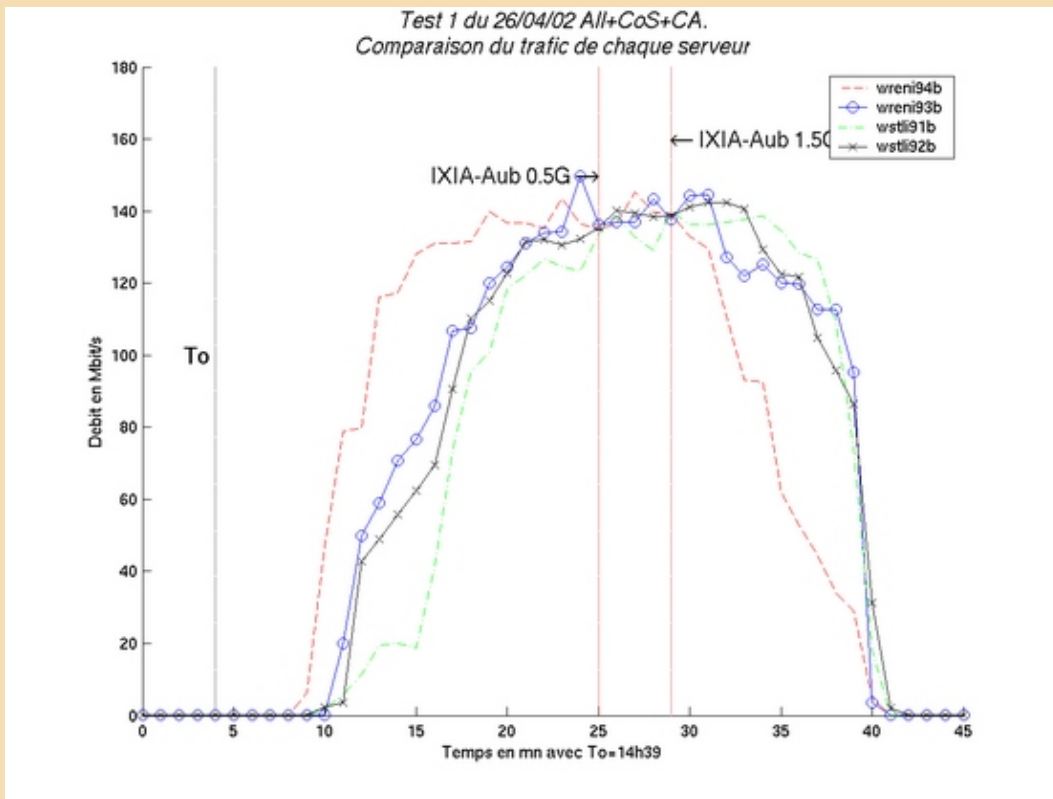


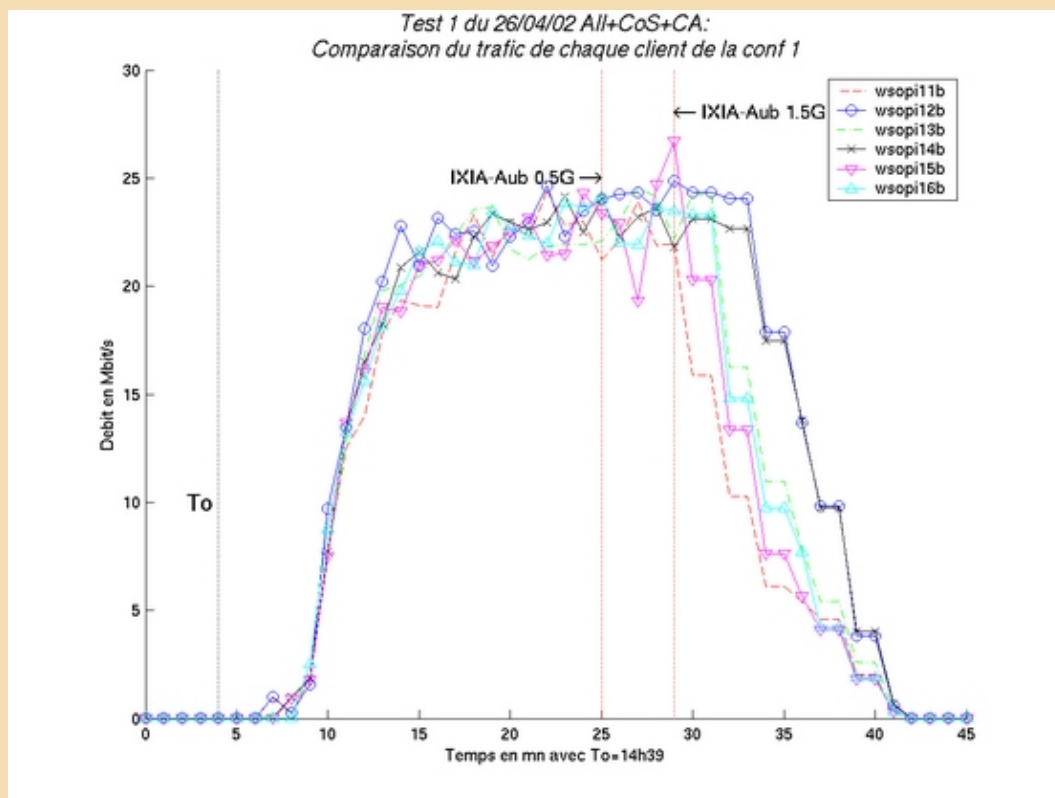
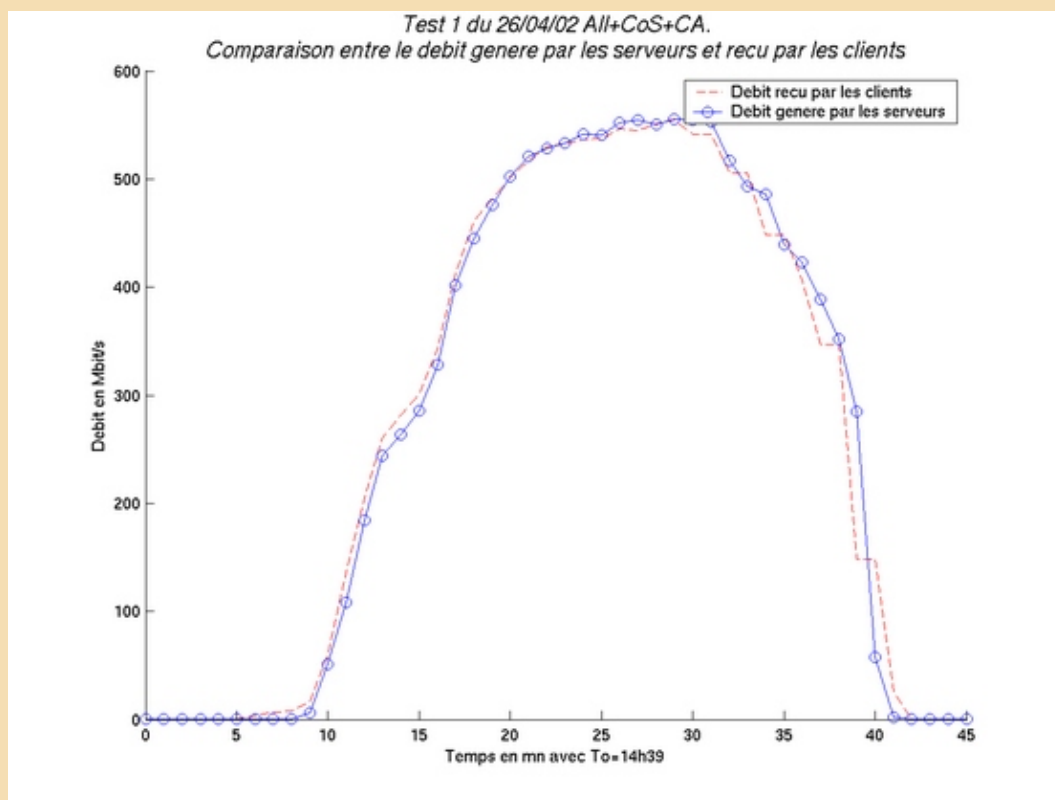


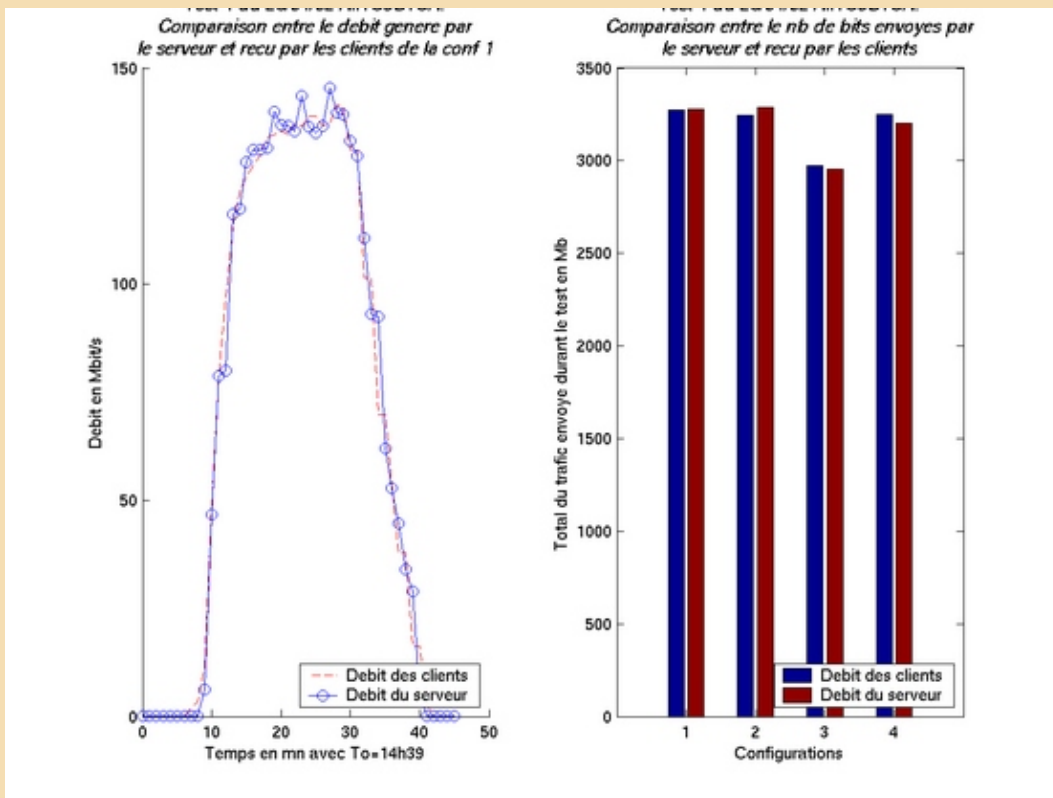
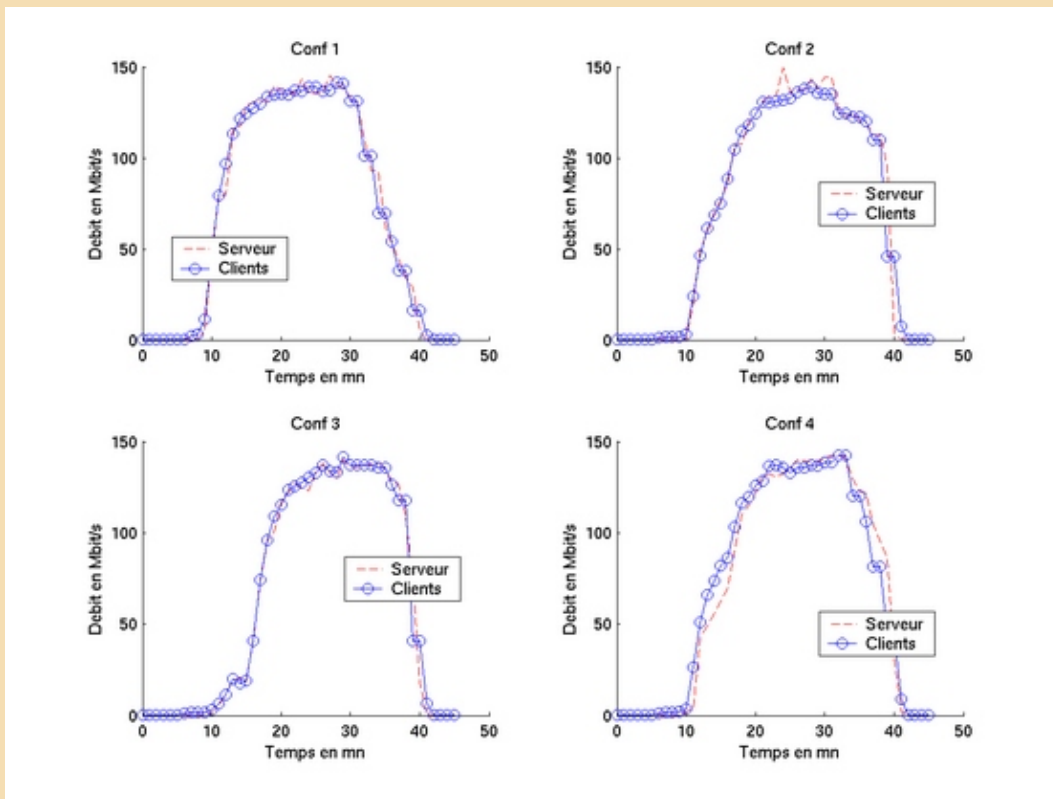
Test 16

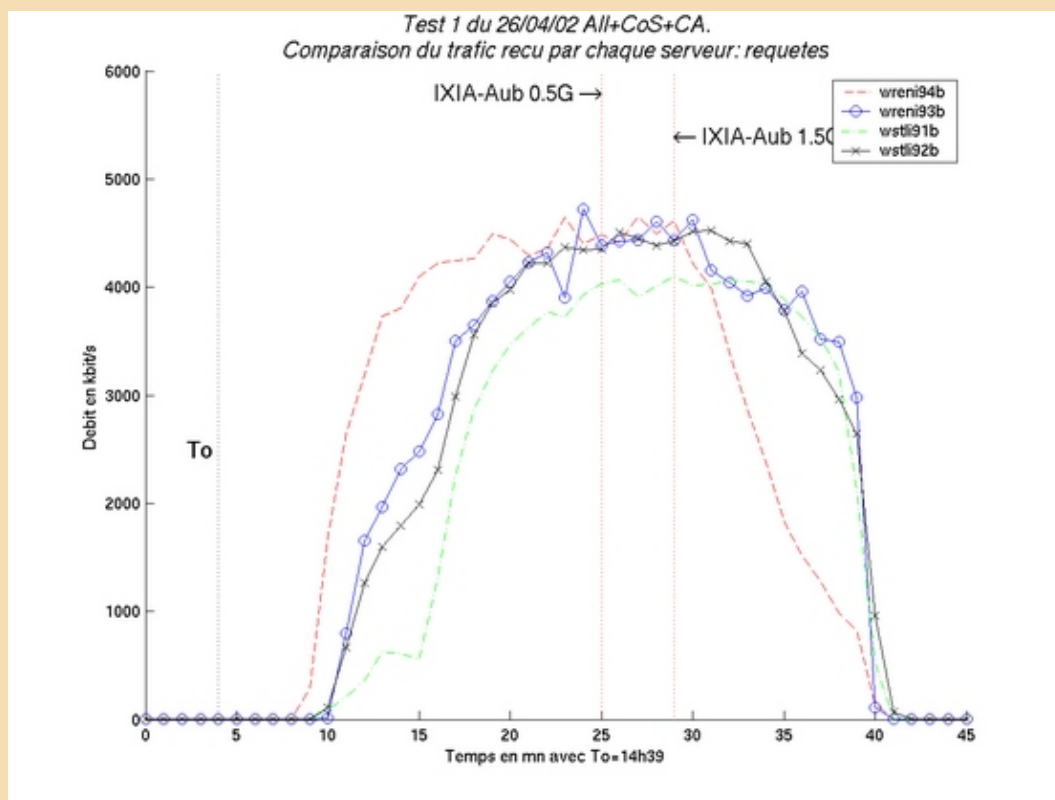
Test A



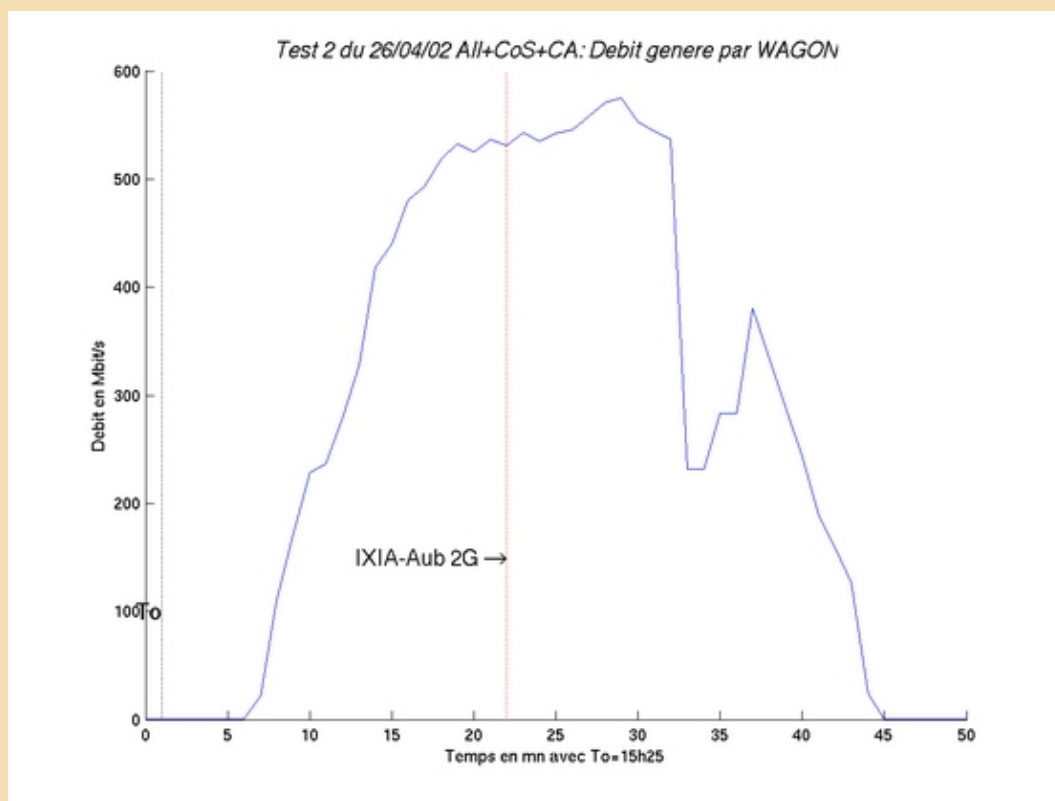


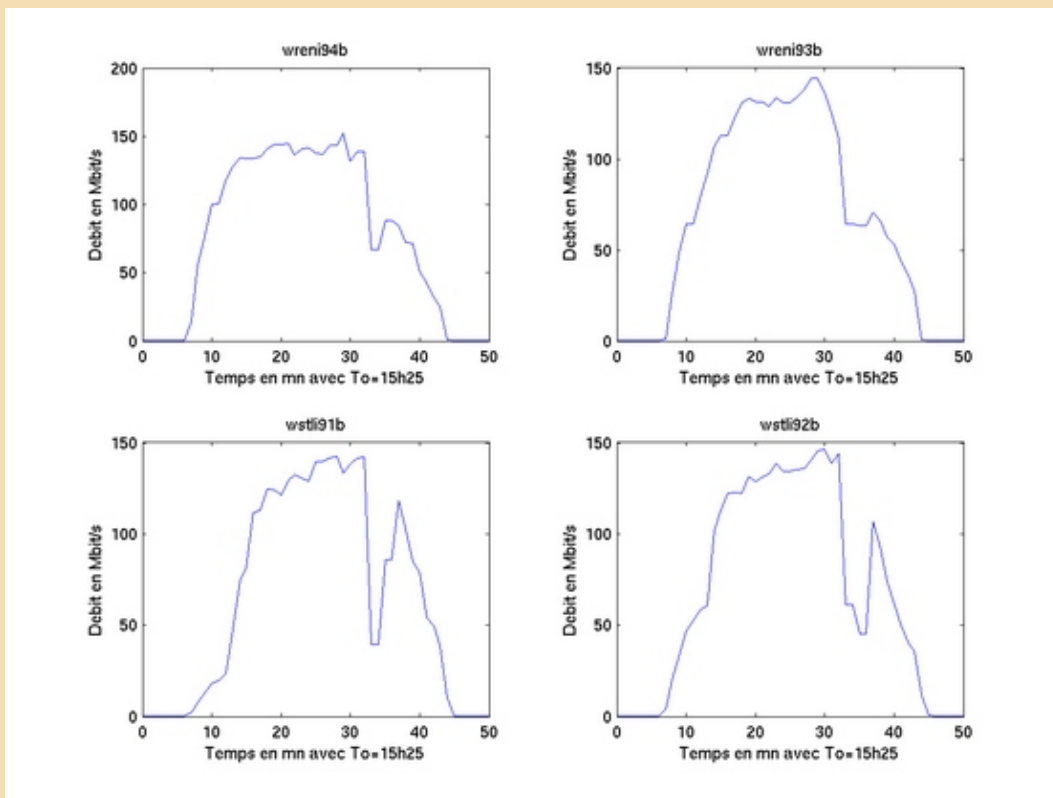
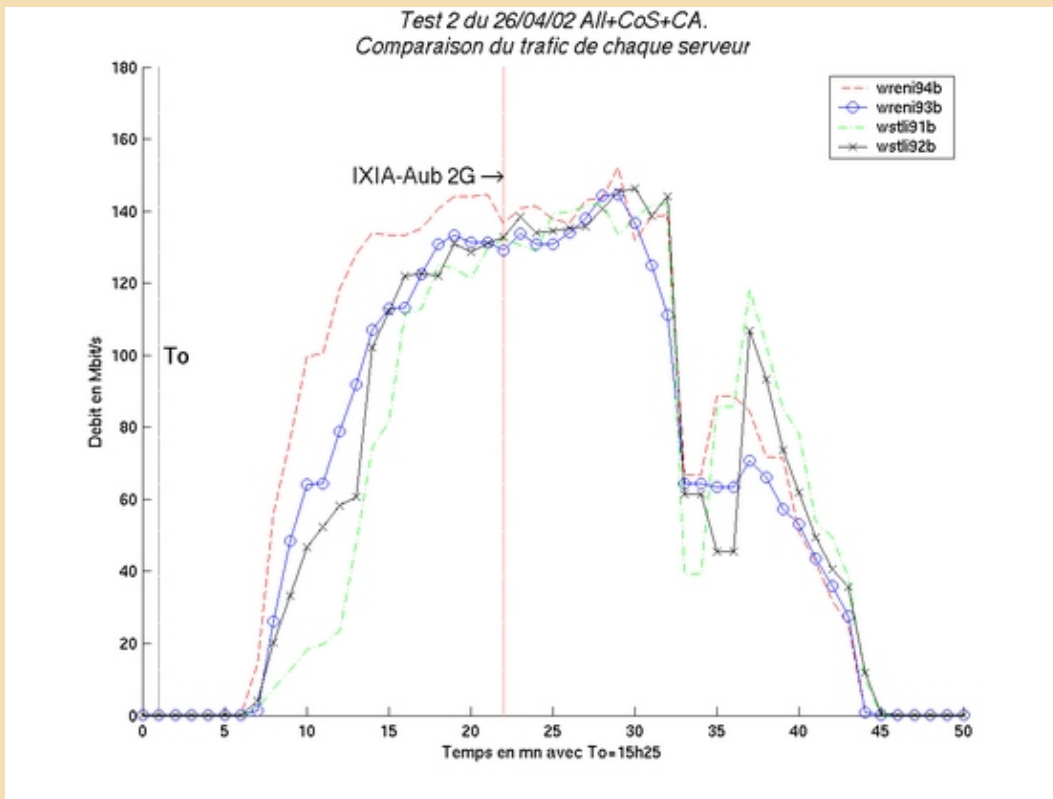


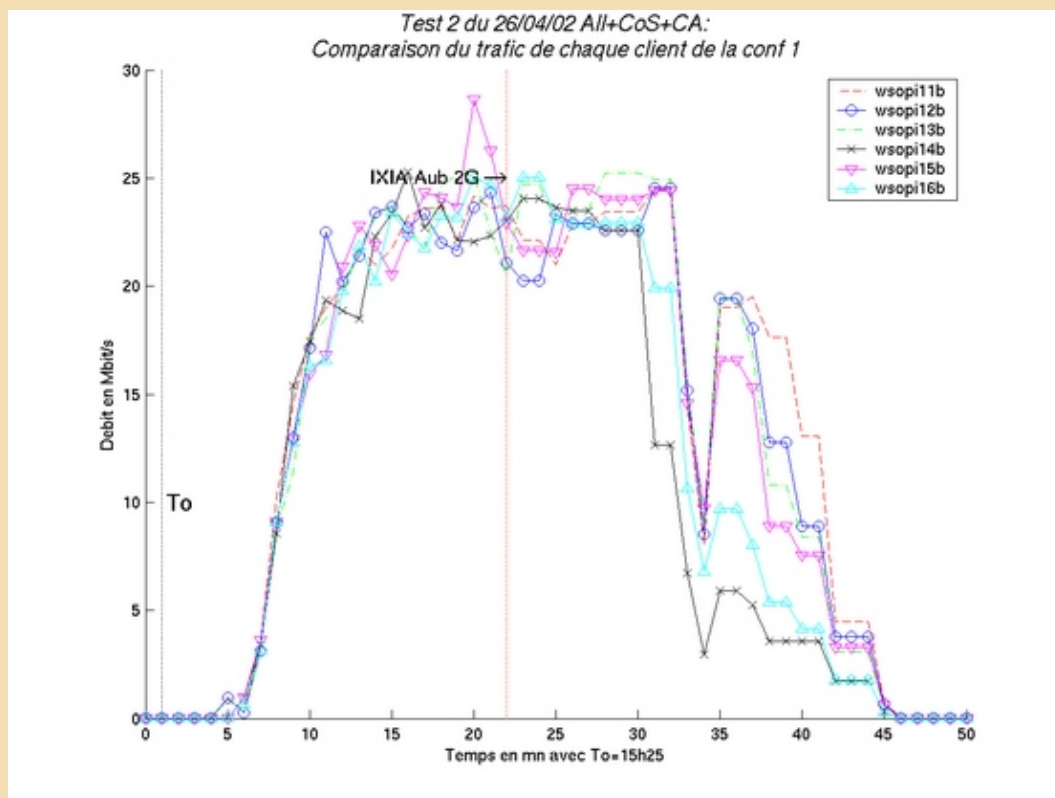
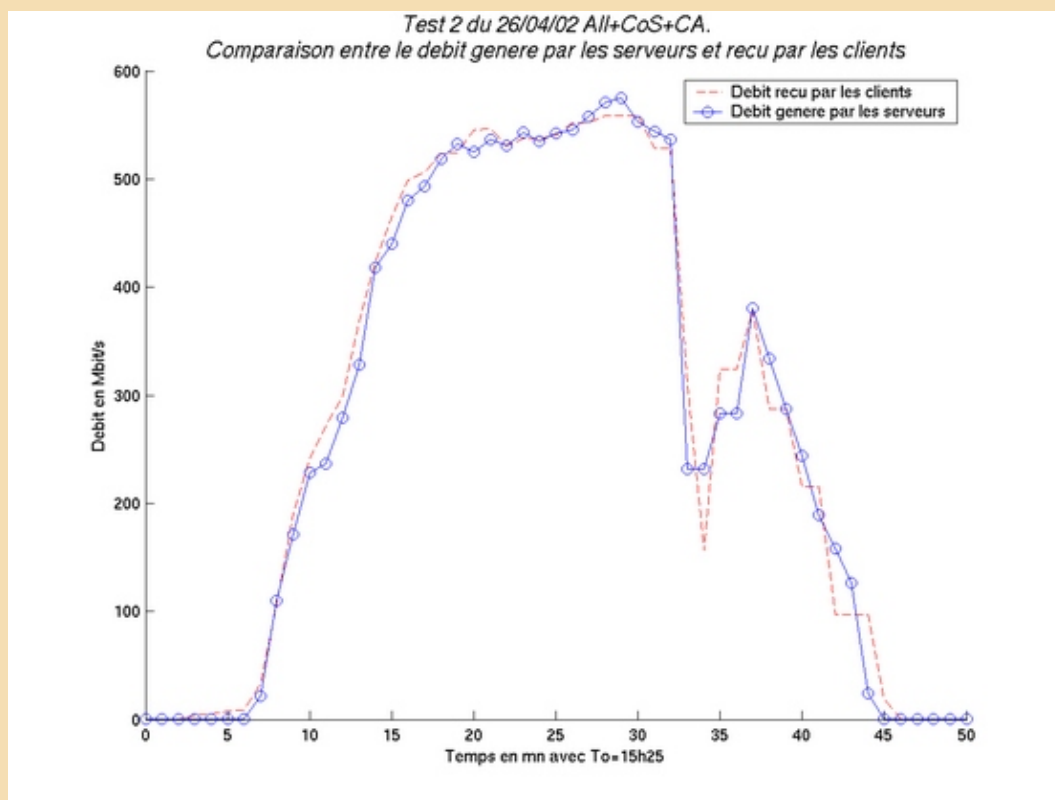


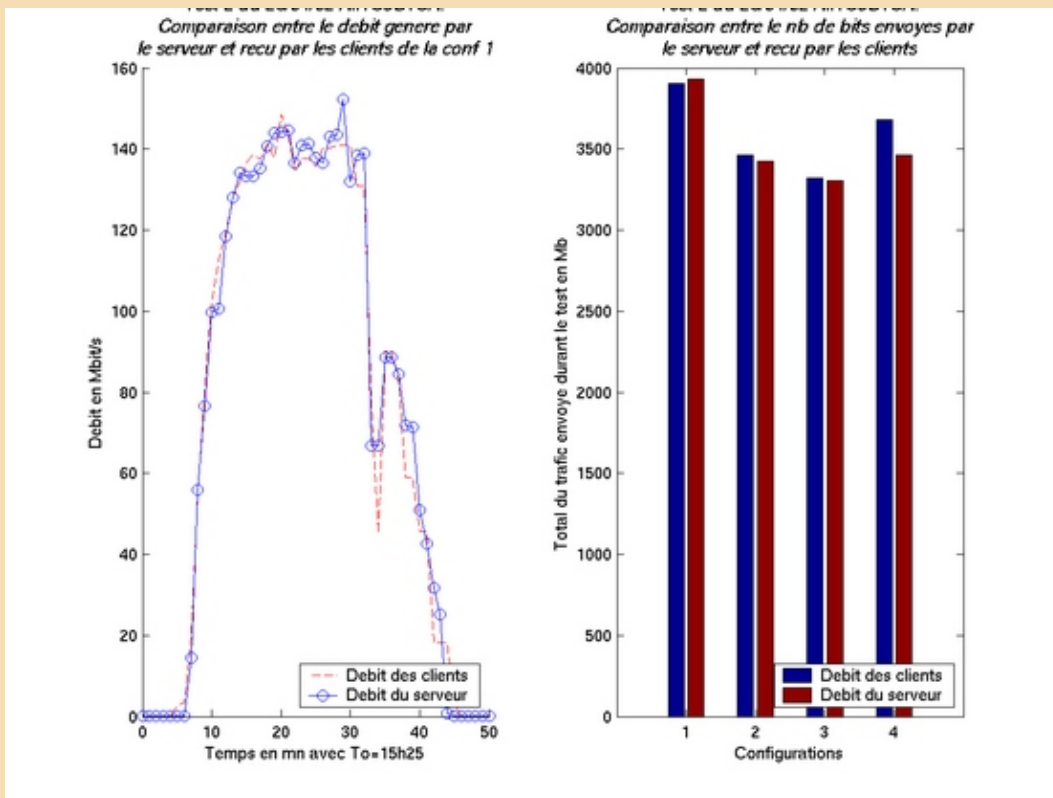
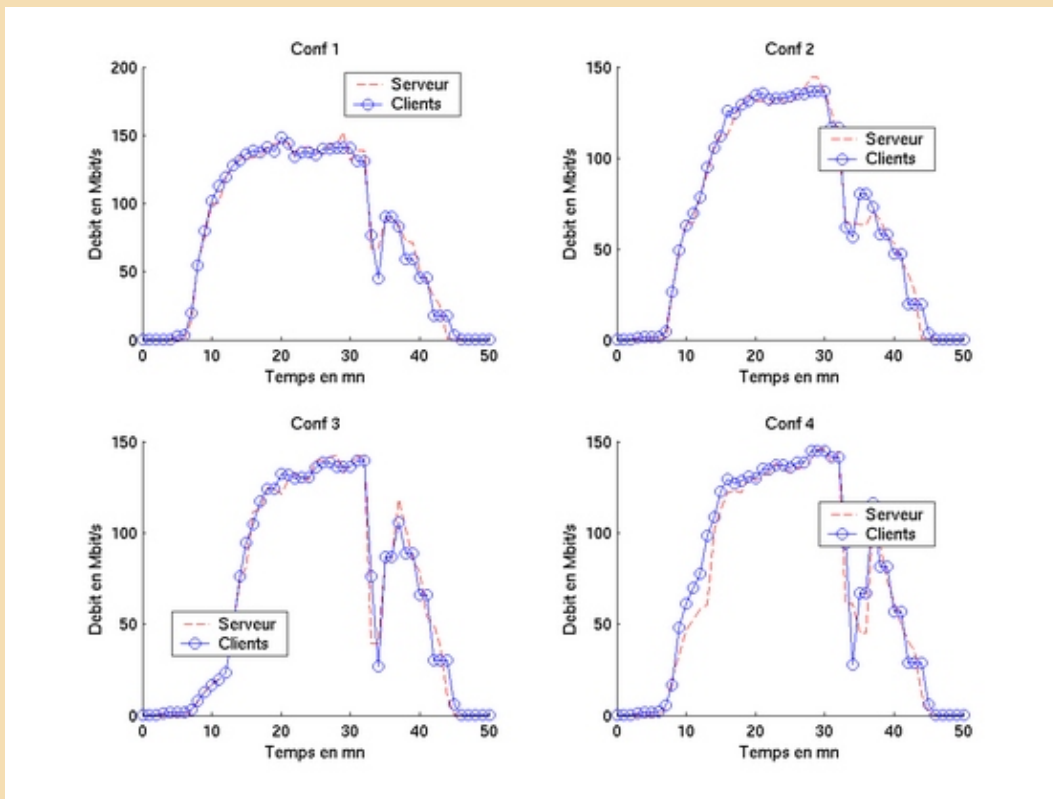


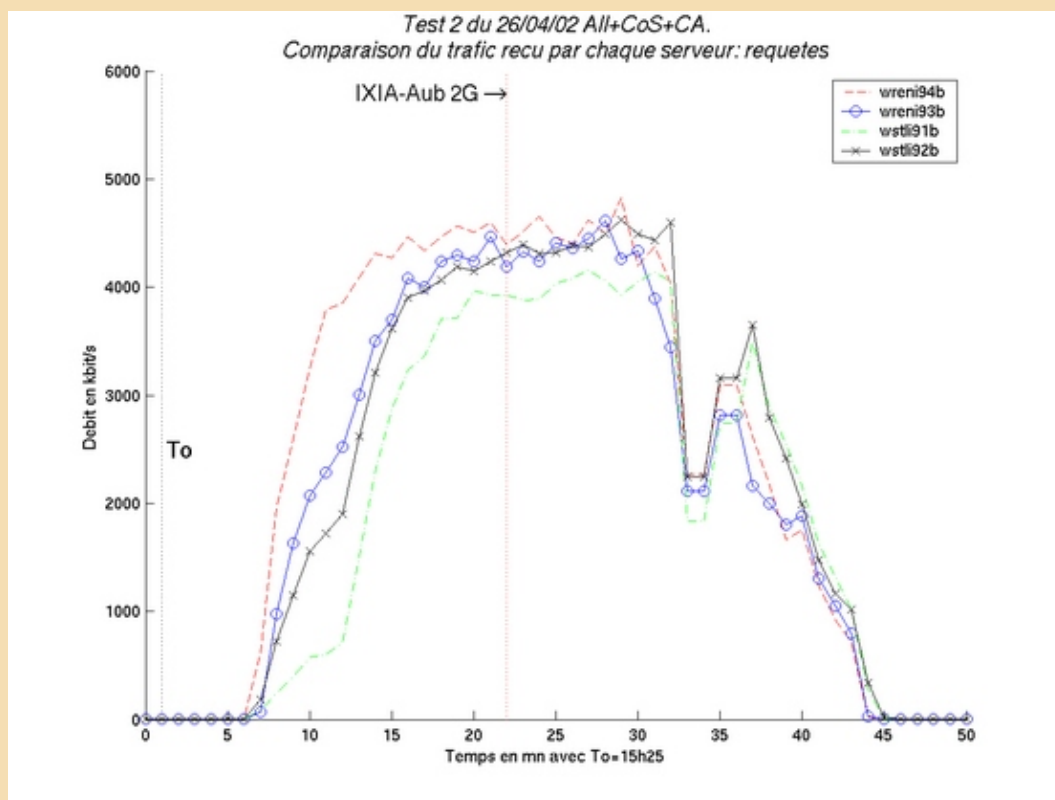
Test B



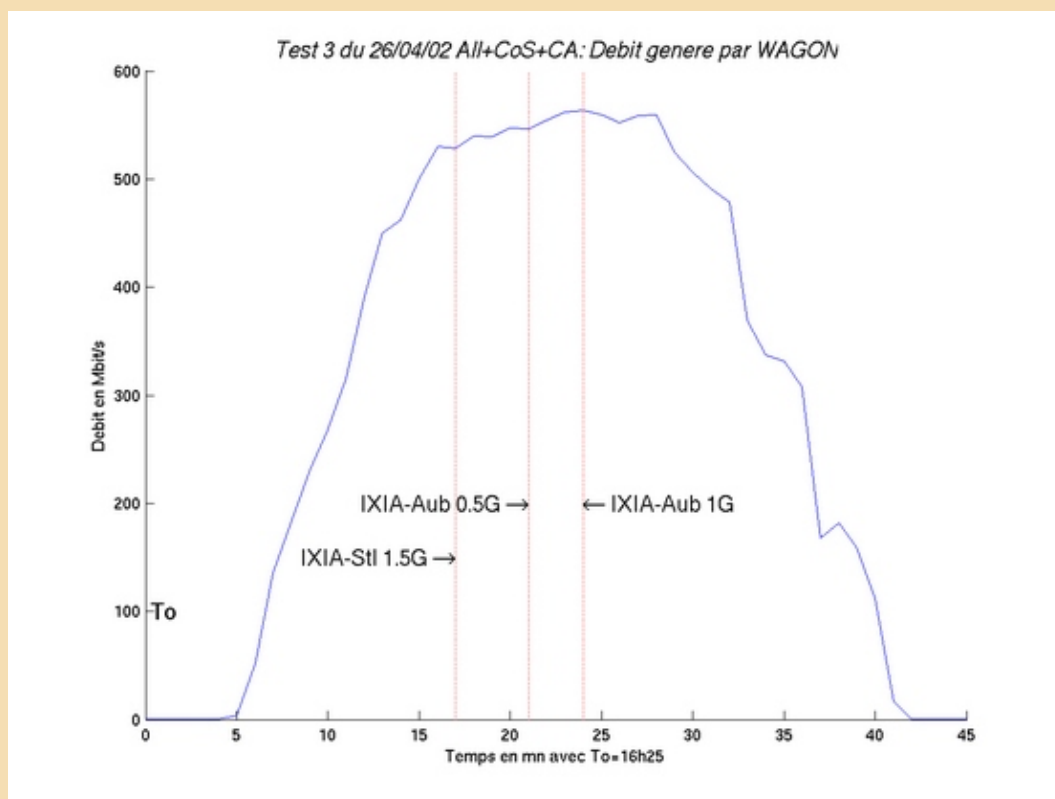


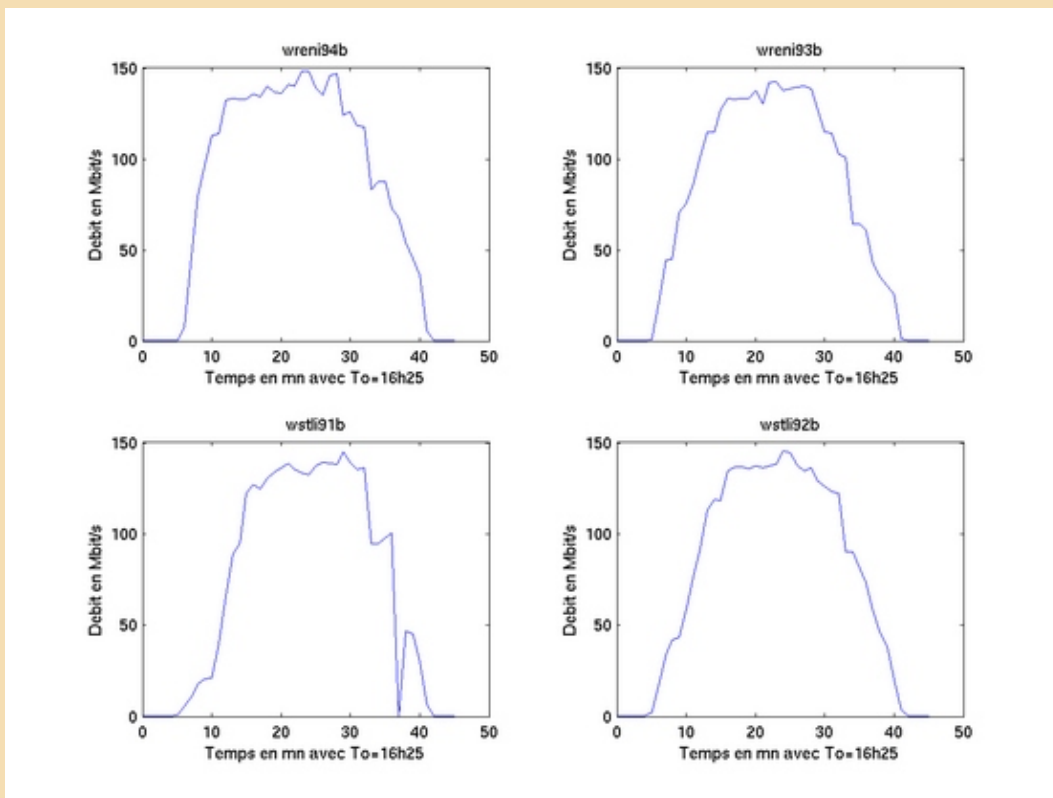
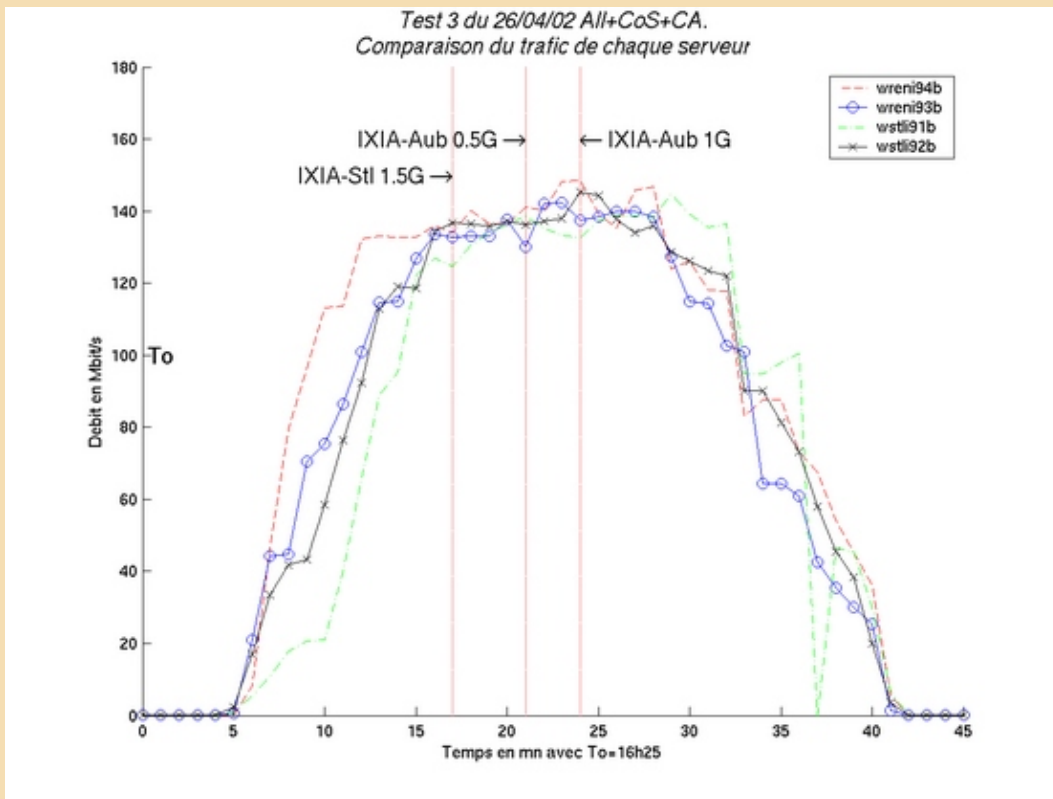


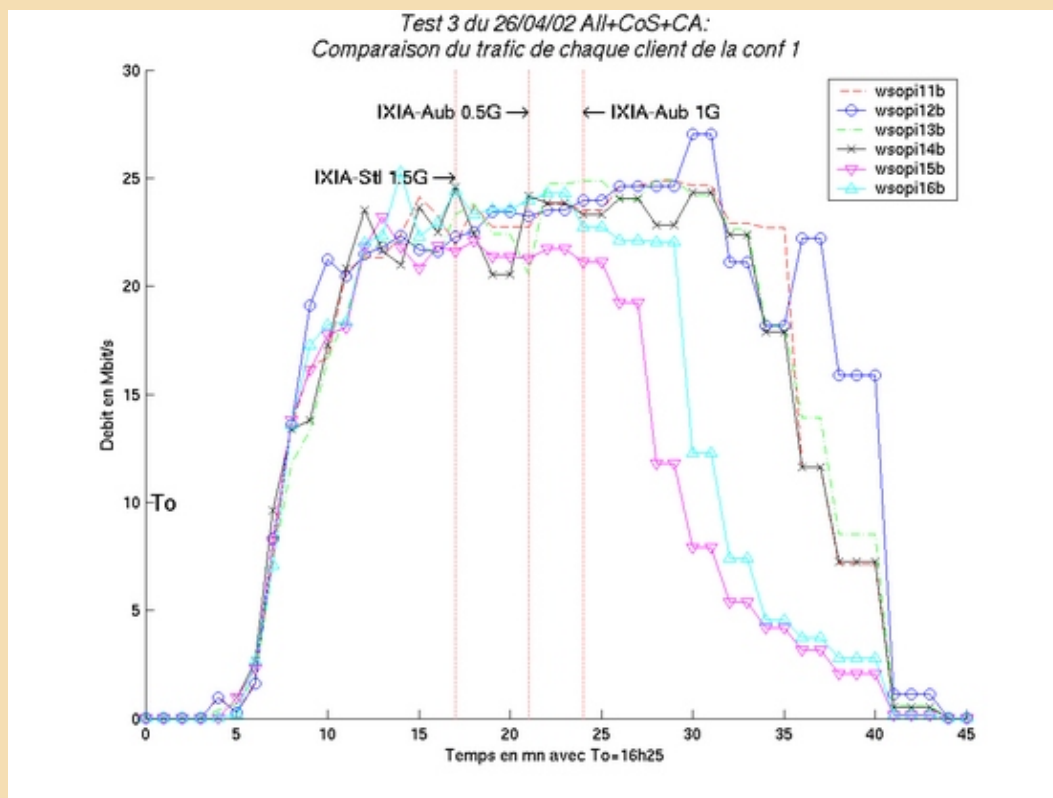
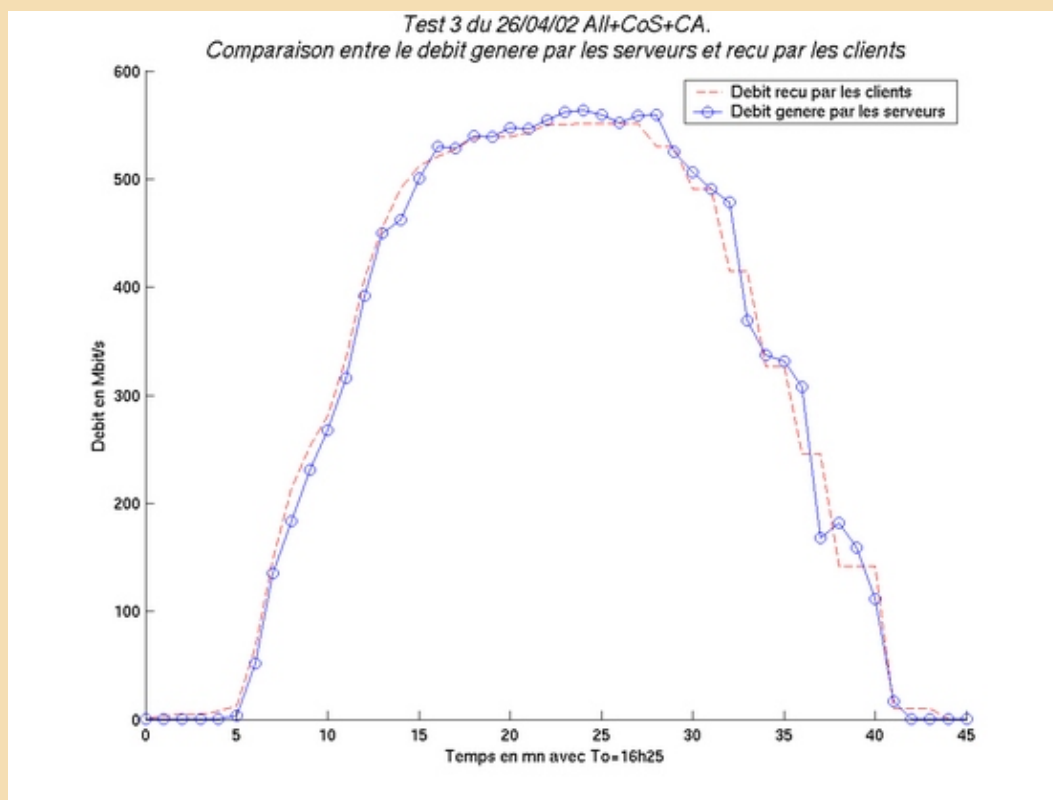


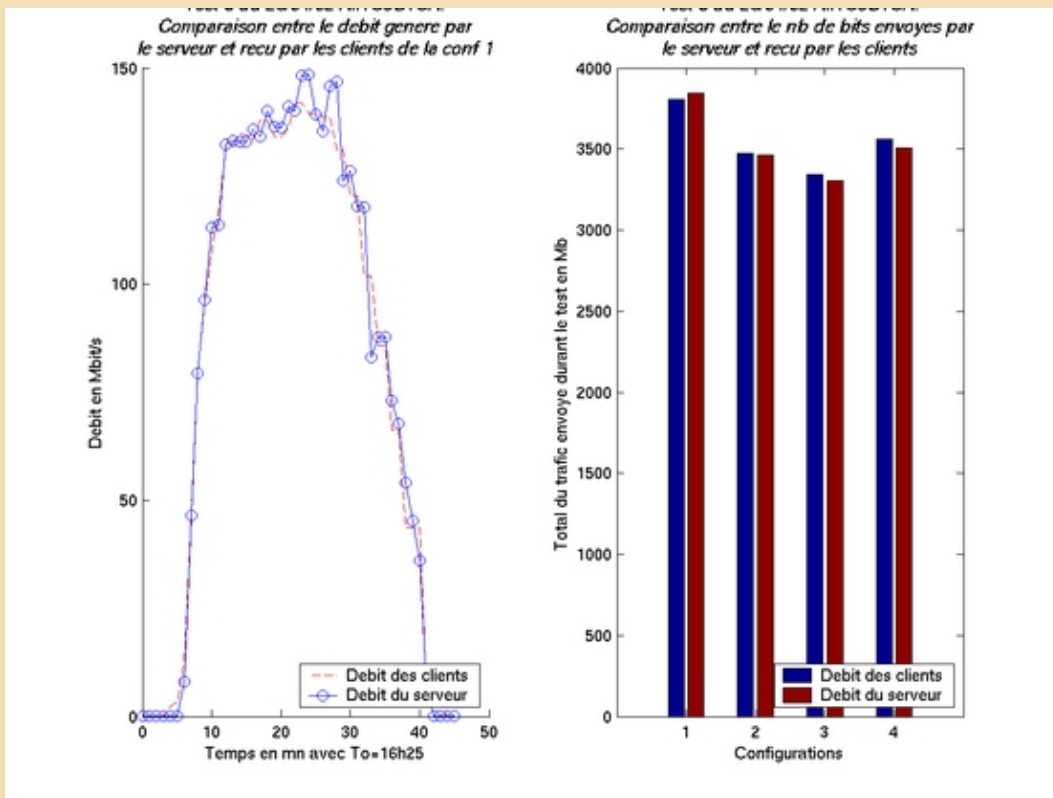
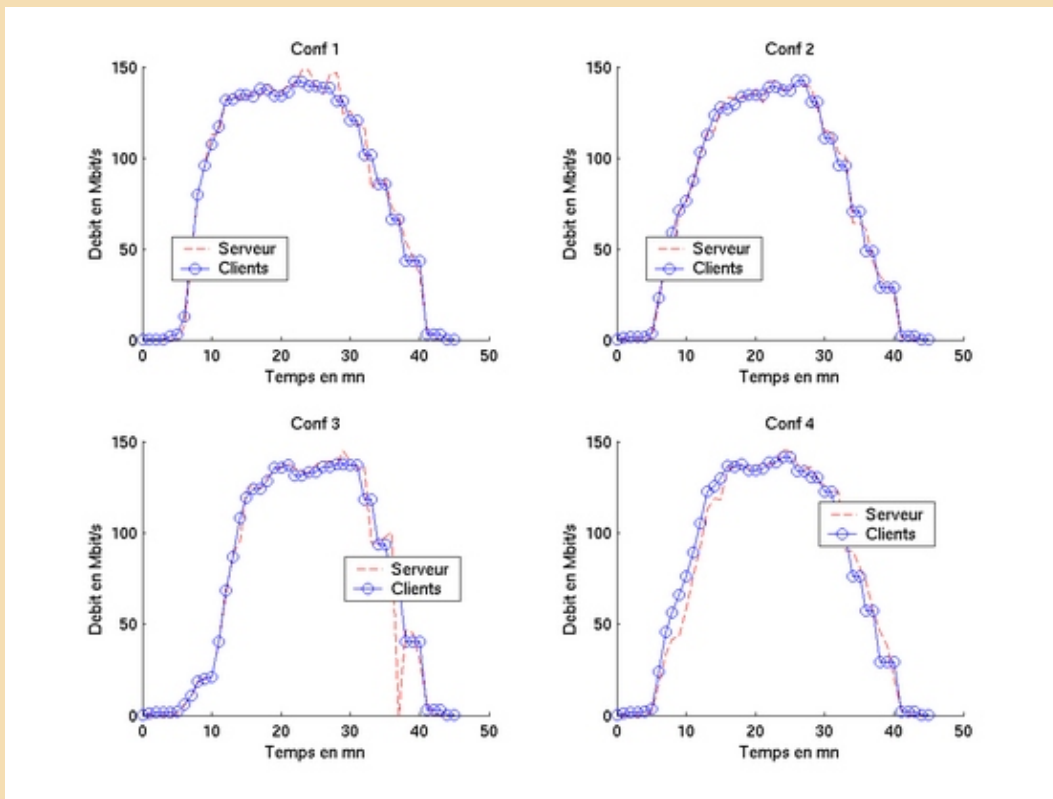


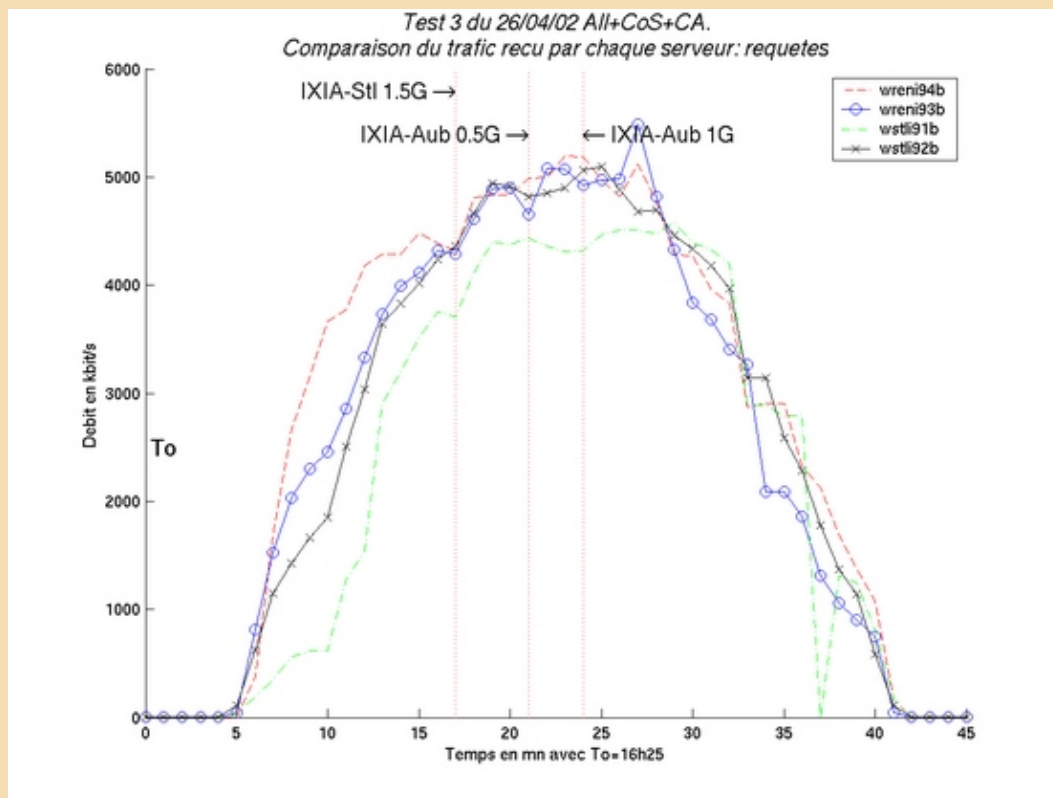
Test C











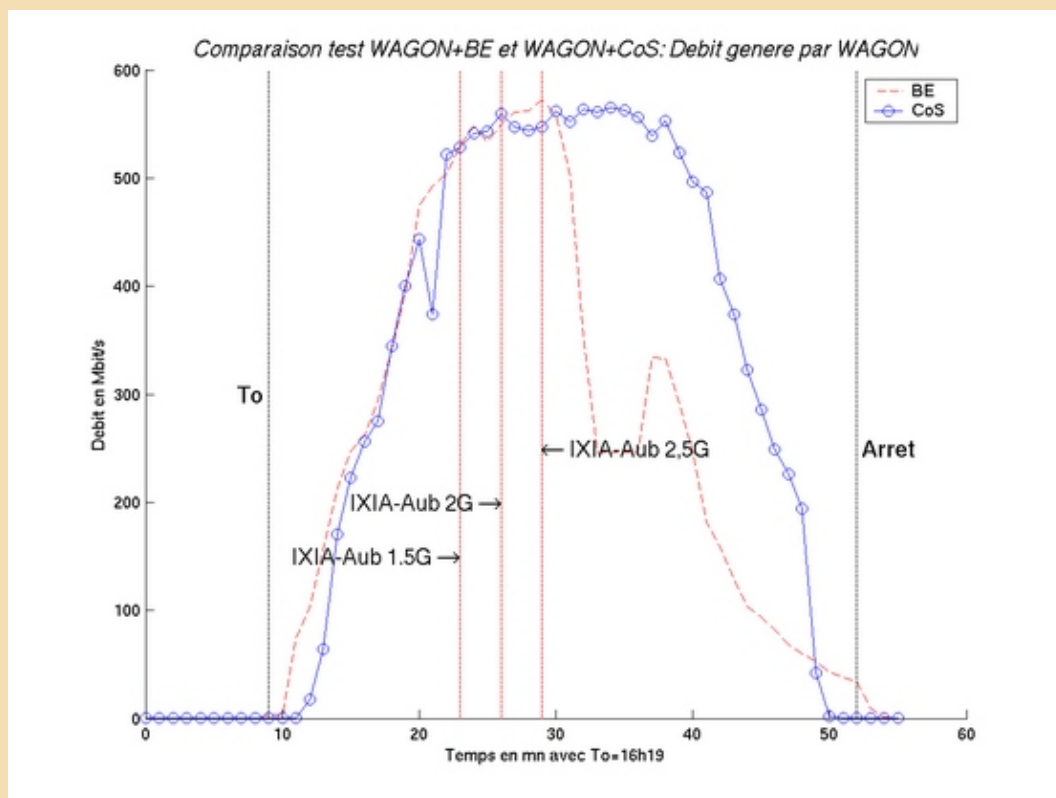
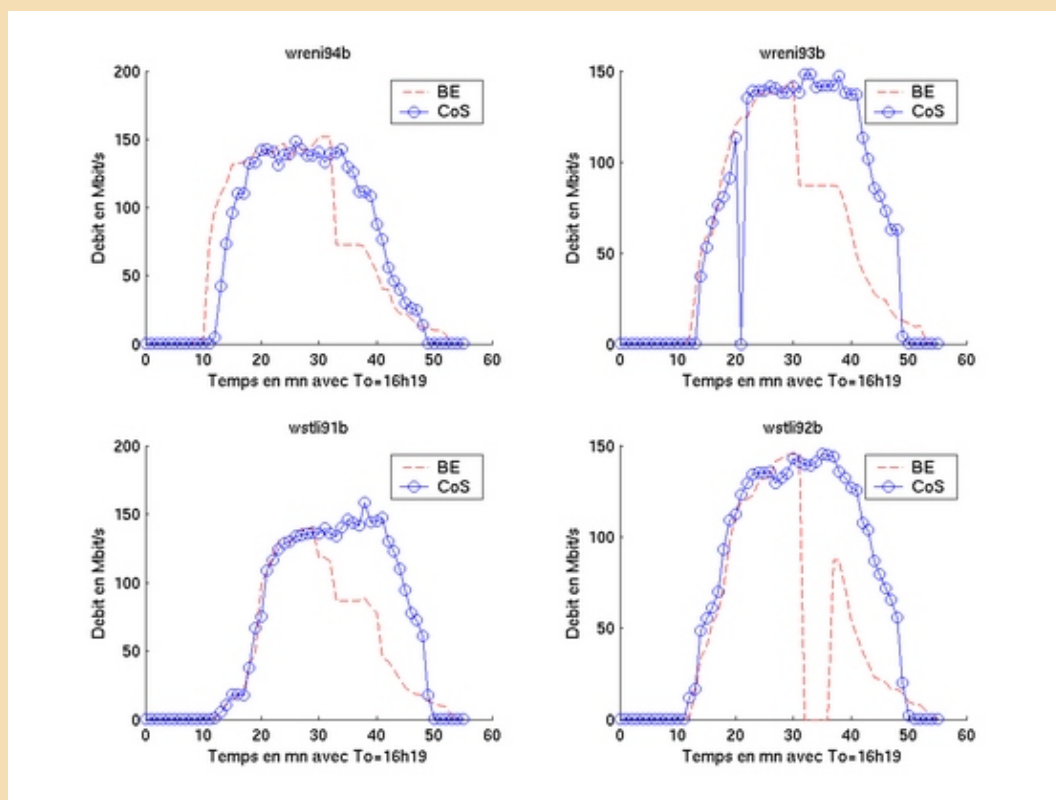
Comparatif entre les tests WAGON avec/sans politique QoS:

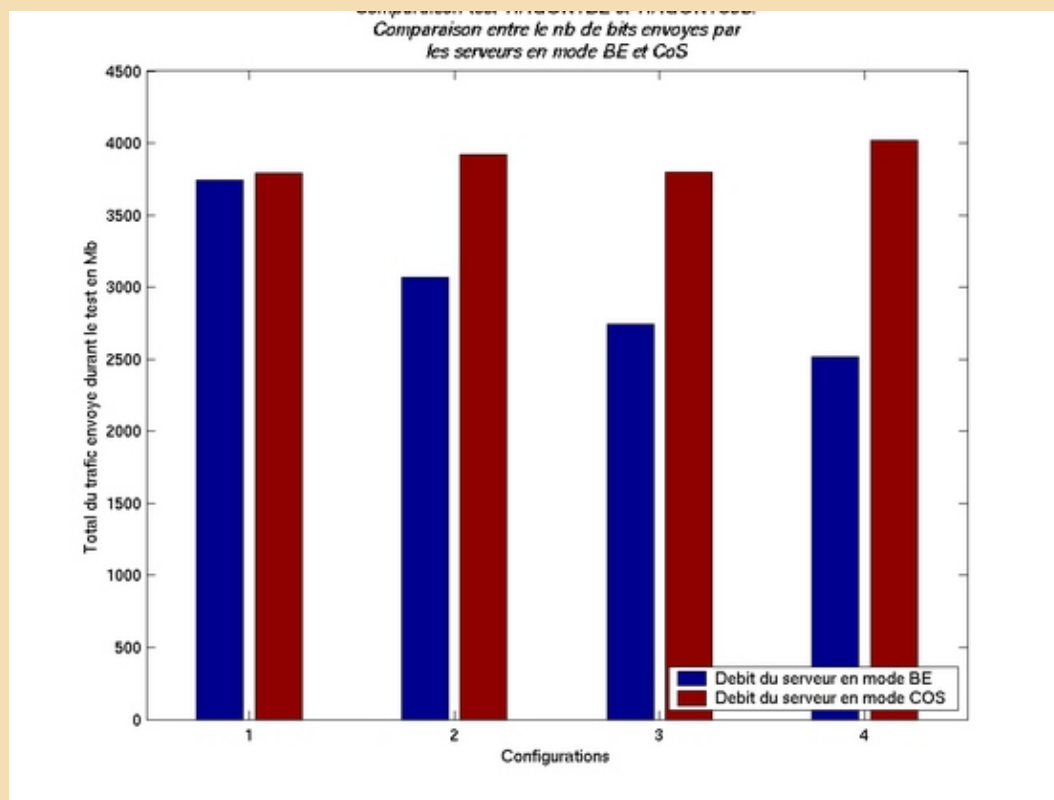
Voici la comparaison entre les résultats obtenus dans le cas où la politique de qualité de service est appliquée ou non:

[figure1:](#) Comparaison du trafic généré par chaque serveur durant les tests sans et avec QoS

[figure2:](#) Comparaison du trafic total généré par WAGON durant les tests sans et avec QoS

[figure3:](#) Comparaison entre le nombre de bits envoyé par les serveurs durant les tests sans et avec QoS





	Nb de bits générés par les serveurs		
	mode BE	mode AF TCP	Comparaison mode BE/AF TCP
Configuration 1	3742,8 Mb	3791,1 Mb	1,3%
Configuration 2	3071,1 Mb	3919,5 Mb	19,1%
Configuration 3	2745 Mb	3796,6 Mb	27,7%
Configuration 4	2518,9 Mb	4019,9 Mb	37,3%
Configuration 1+2+3+4	12077,8 Mb	15527,1 Mb	22,2%

Mise en parallèle des résultats obtenus via Smokeping et les performances WAGON

[Smokeping](#) sur différents sites: INRIA–Sophia, Coeur VTHD: MSO,Grenoble et Sophia pour chacun des tests incluant WAGON.

Voici la comparaison entre les résultats obtenus durant les tests WAGON et le comportement observe par Smokeping:

[figure1:Comparaion entre les débits observés\(pour l'application WAGON\) et les pertes observées par Smokeping pendant le test 1](#)

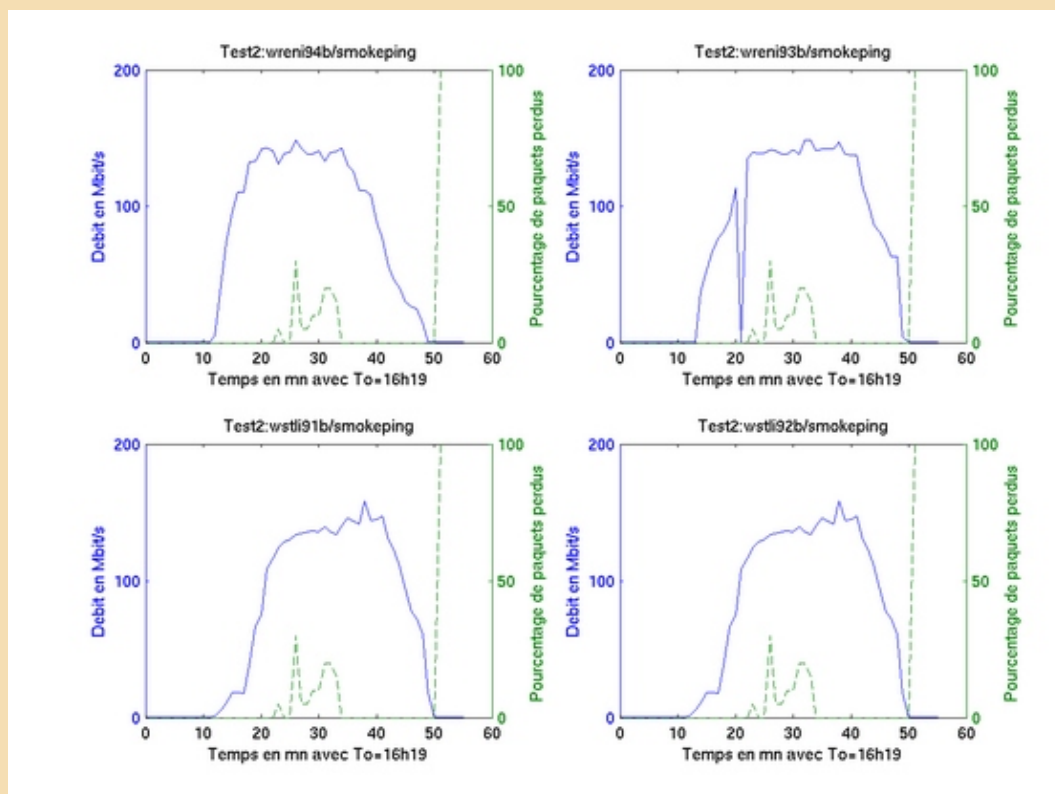
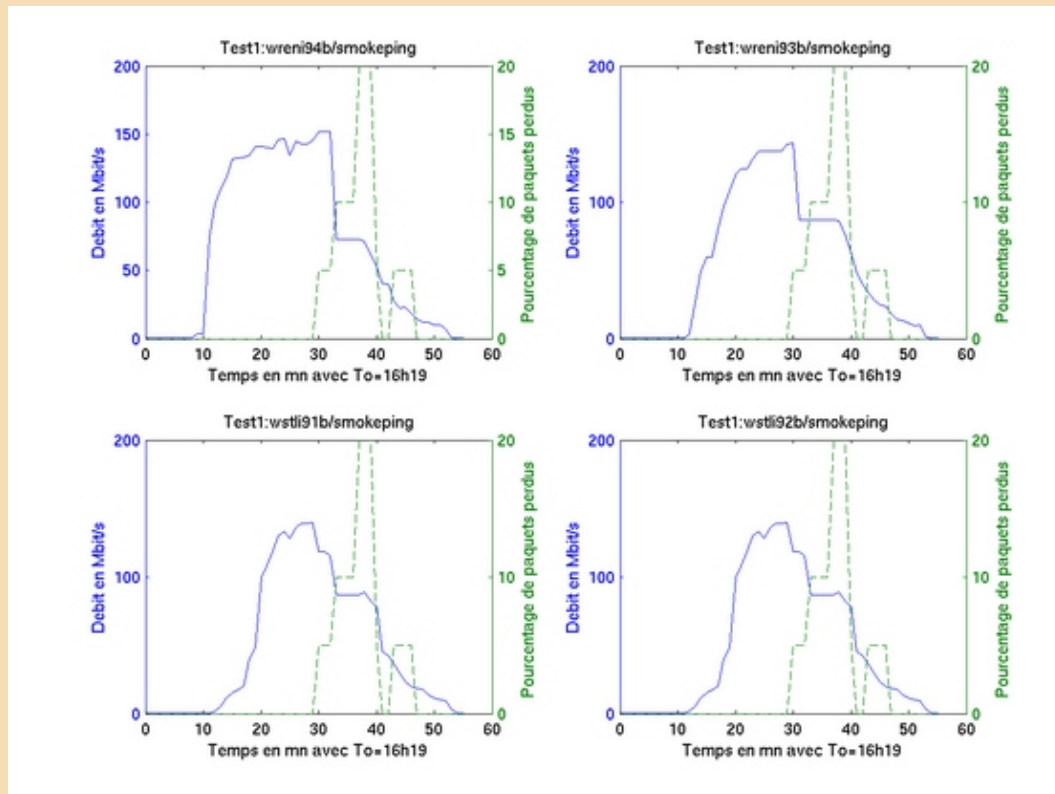
[figure2:Comparaion entre les débits observés\(pour l'application WAGON\) et les pertes observées par Smokeping pendant le test 2](#)

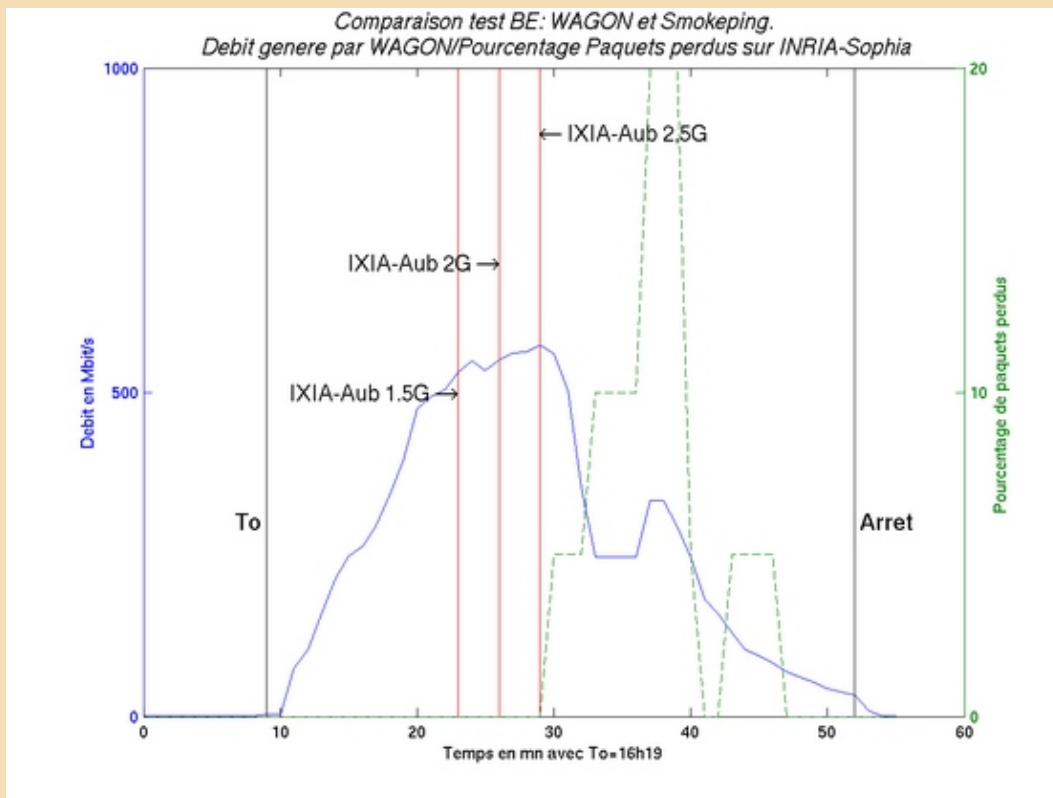
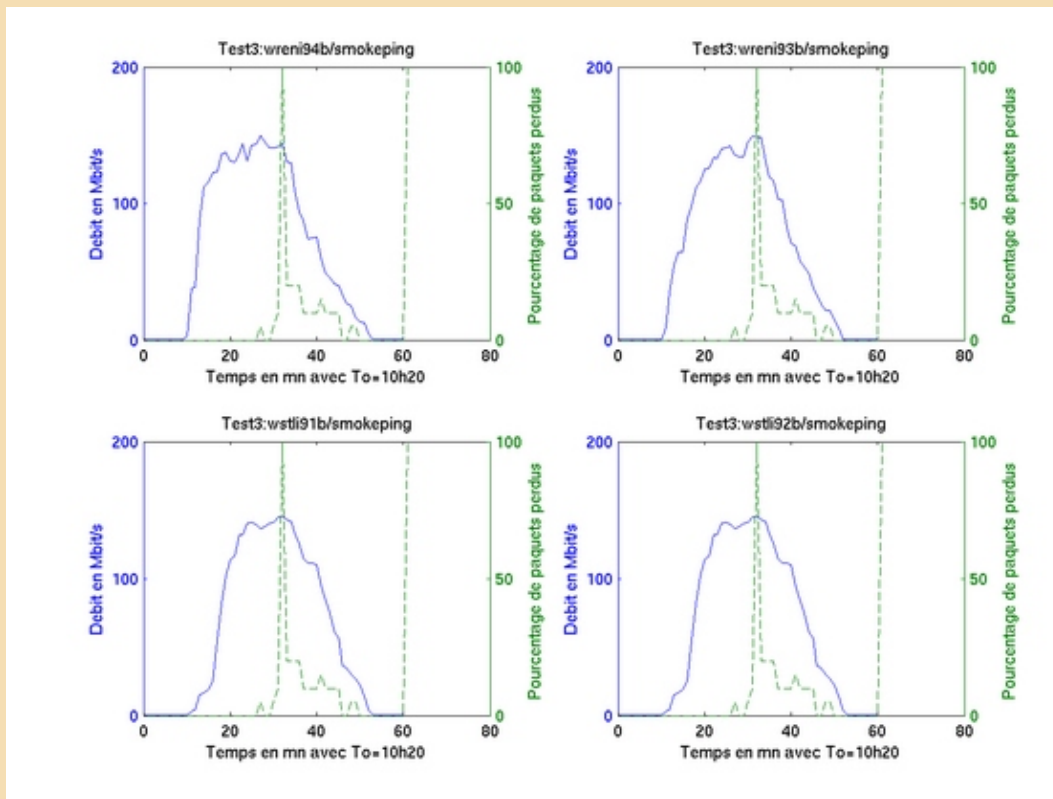
[figure3:Comparaion entre les débits observés \(pour l'application WAGON\) et les pertes observées par Smokeping pendant le test 3](#)

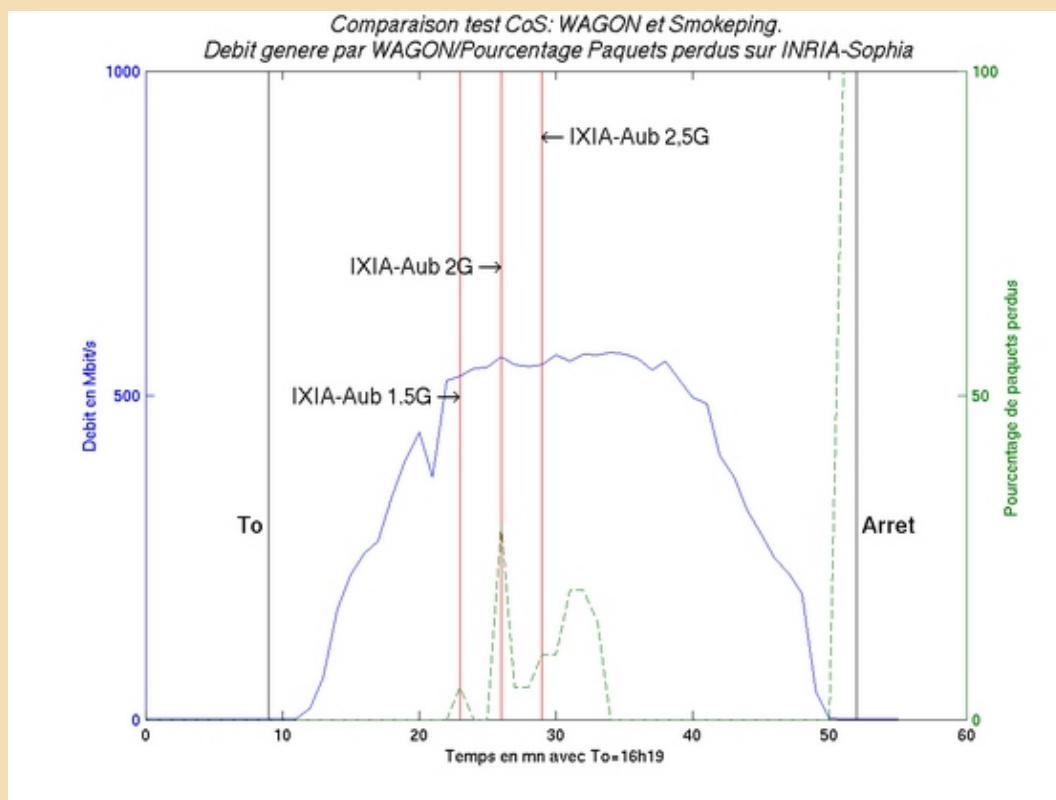
[figure4:Comparaion entre le débit total observé\(pour l'application WAGON\) et les pertes observées par Smokeping pendant le test 1](#)

[figure5:Comparaion entre le débit total observé\(pour l'application WAGON\) et les pertes observées par](#)

[Smokeping pendant le test 2](#)







Informations sur les serveurs APACHE

[Servers status](#)

[Maria Ladoue](#) Last modified: Mon Jun 17 12:05:56 MEST 2002