

ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA

SCUOLA DI INGEGNERIA E ARCHITETTURA

DICAM – Dipartimento di Ingegneria Civile, Ambientale e dei Materiali

Corso di Laurea Magistrale in Ingegneria Civile

TESI DI LAUREA MAGISTRALE

**PROVE SU TAVOLA VIBRANTE DI UN SILO METALLICO A
FONDO PIANO: ANALISI DELLA RISPOSTA SISMICA
MEDIANTE MISURAZIONI OTTICHE**

APPENDICE A – Parte 9

CANDIDATO

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RELATORE

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Anno Accademico 2018-2019

Sessione I

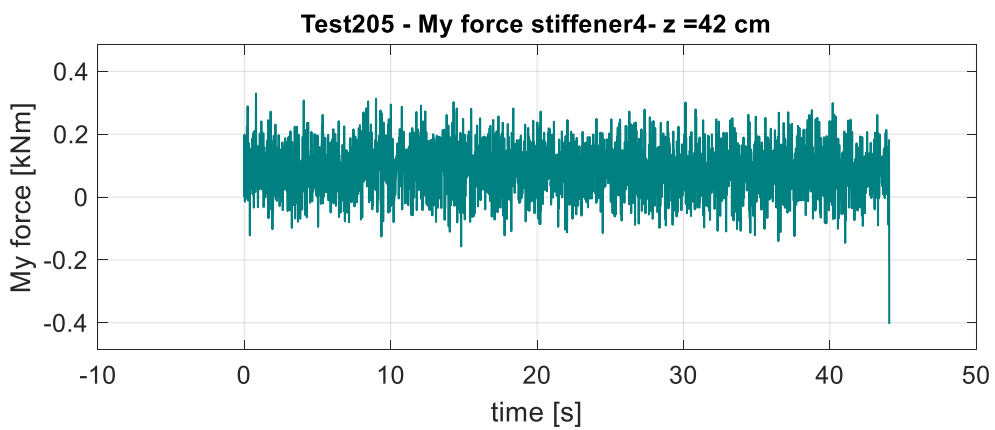
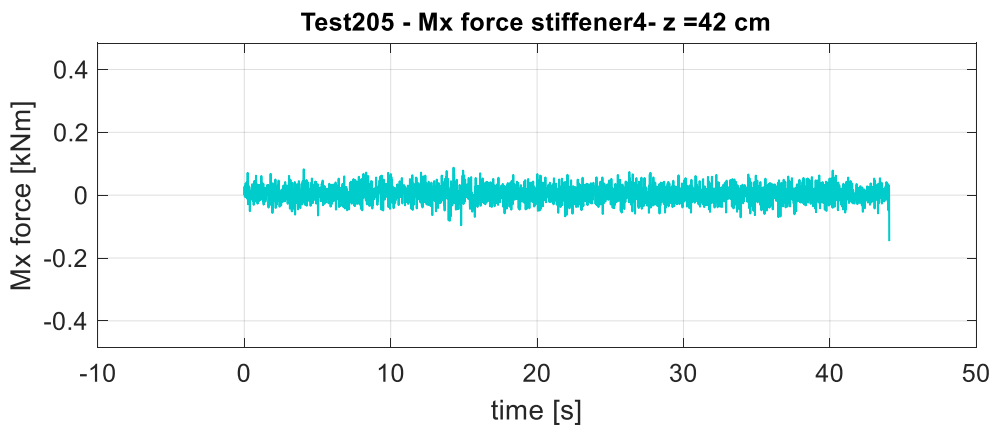
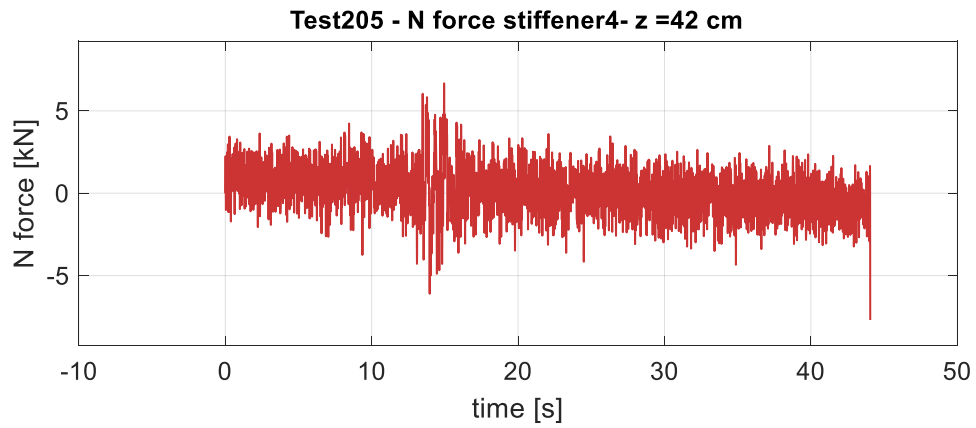
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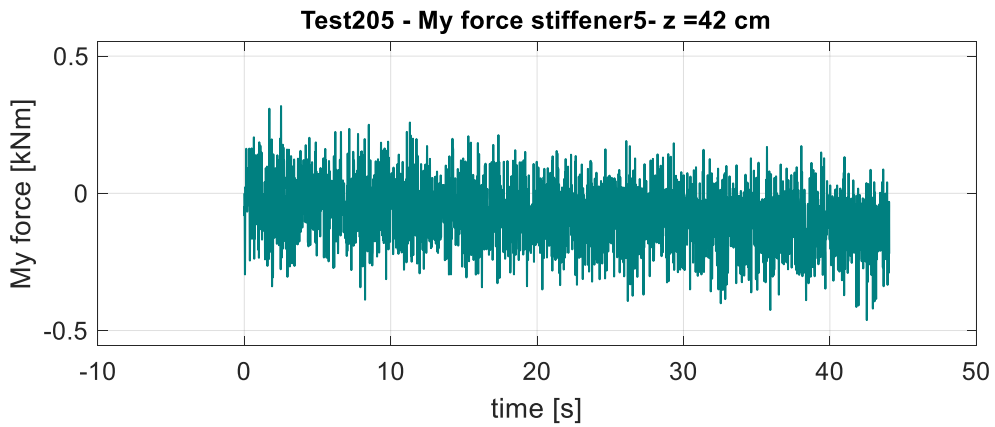
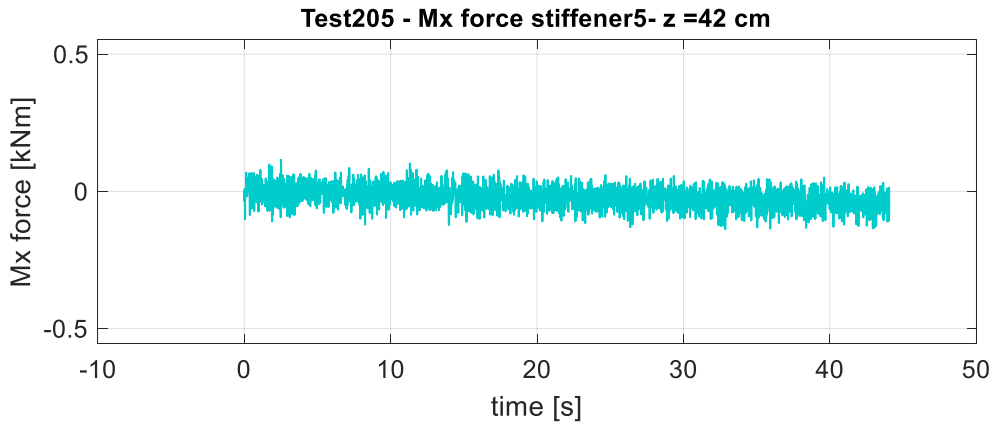
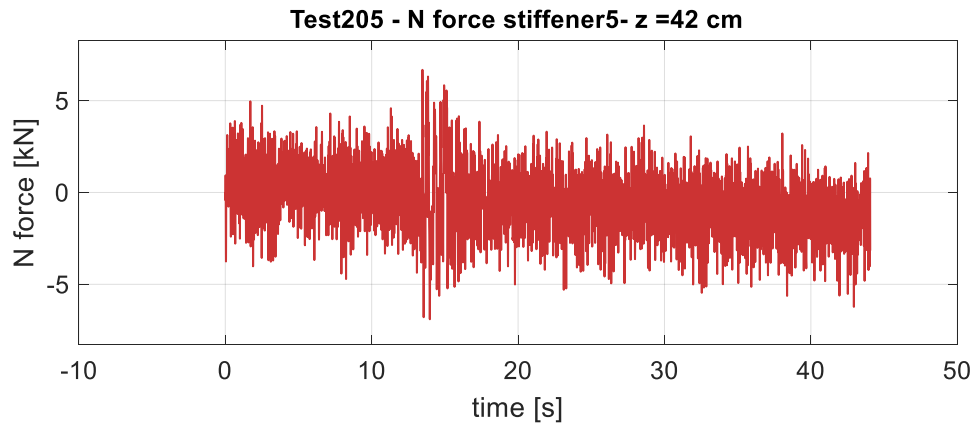
A. 6.5.2 Sforzi nei montanti -Parte 2

Earthquake input RS3 0.1 g: Test 205

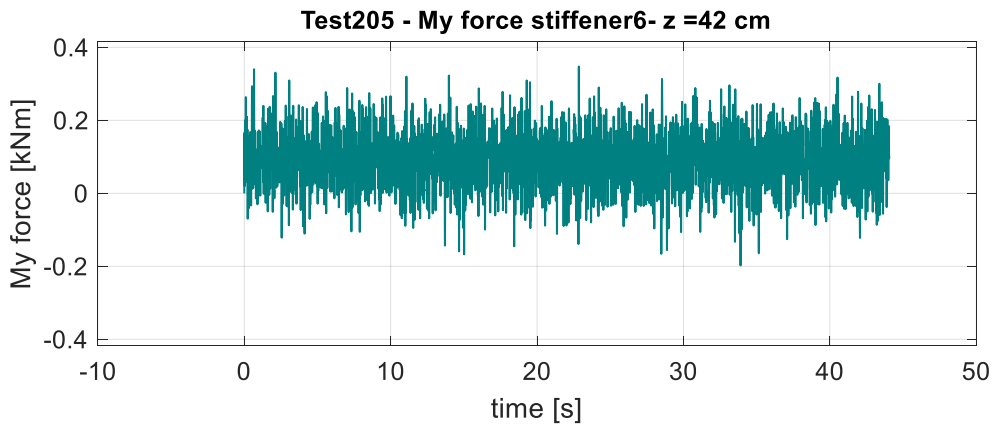
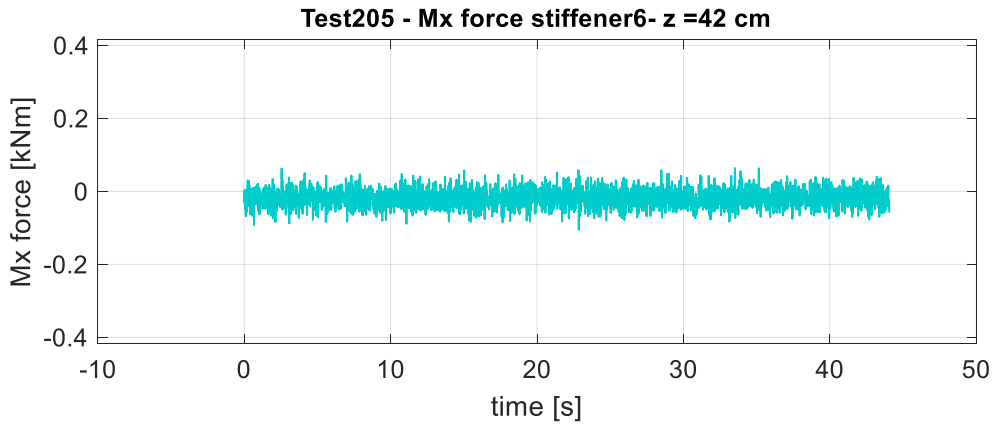
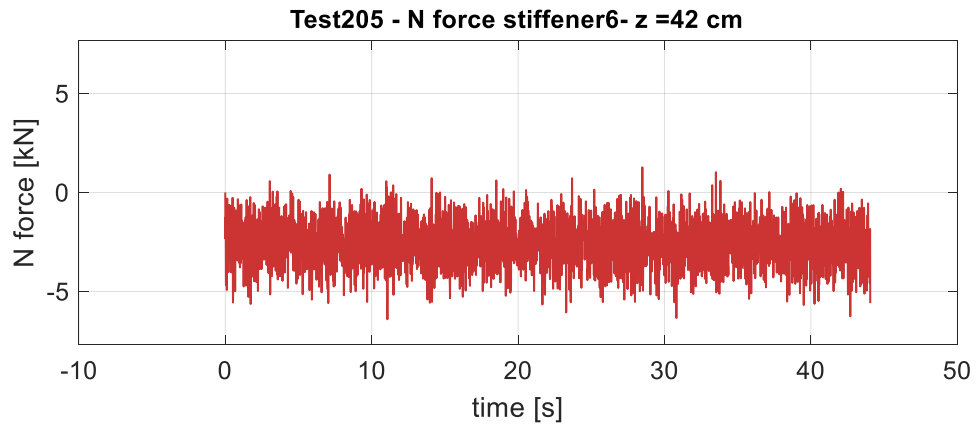
Quota Z = 42 cm: montante 4



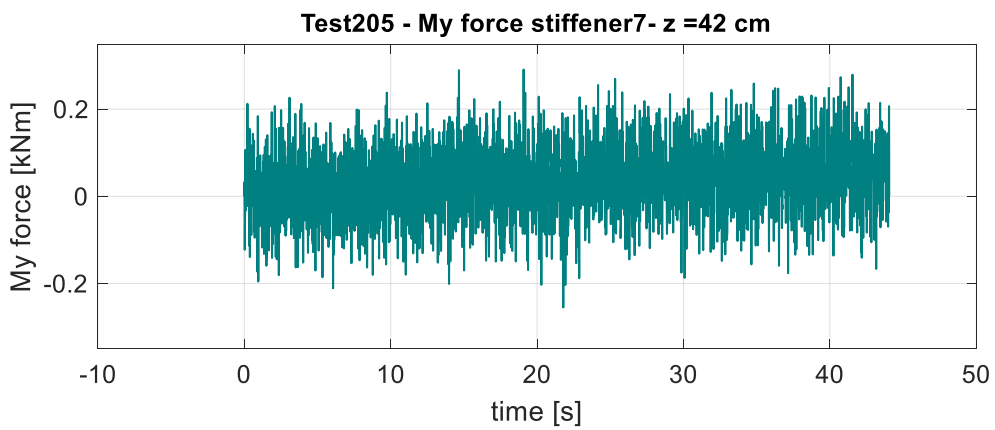
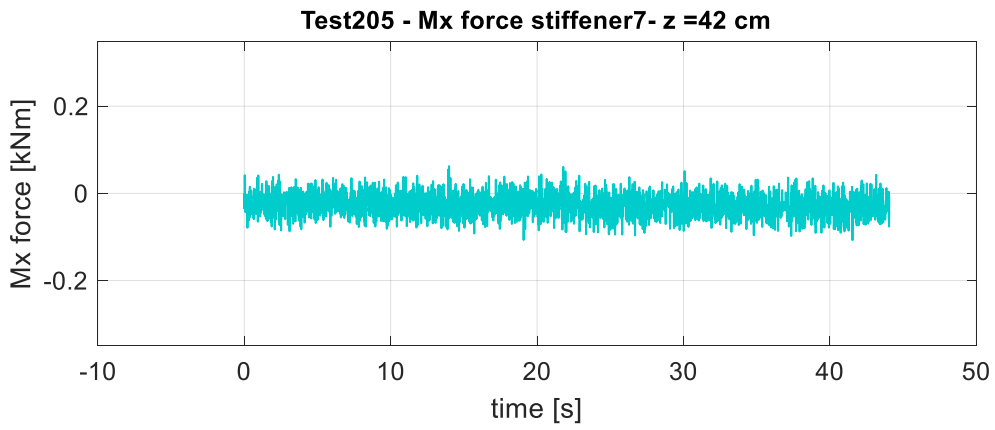
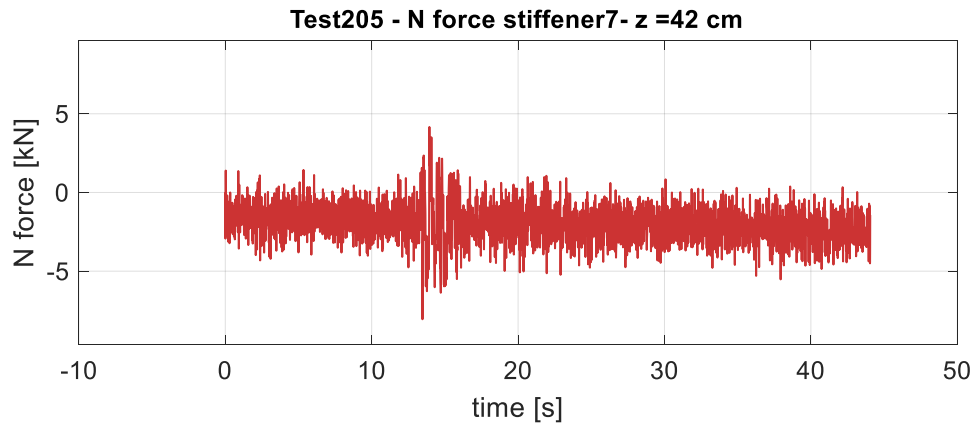
Quota Z = 42 cm: montante 5



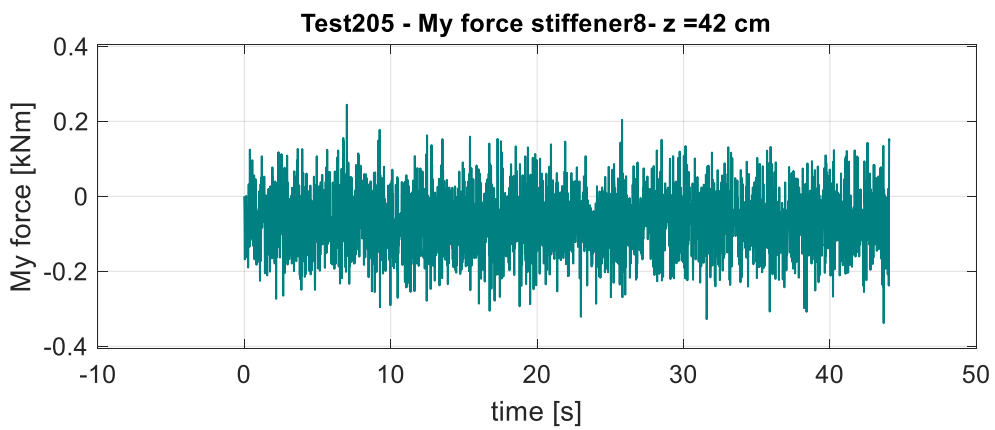
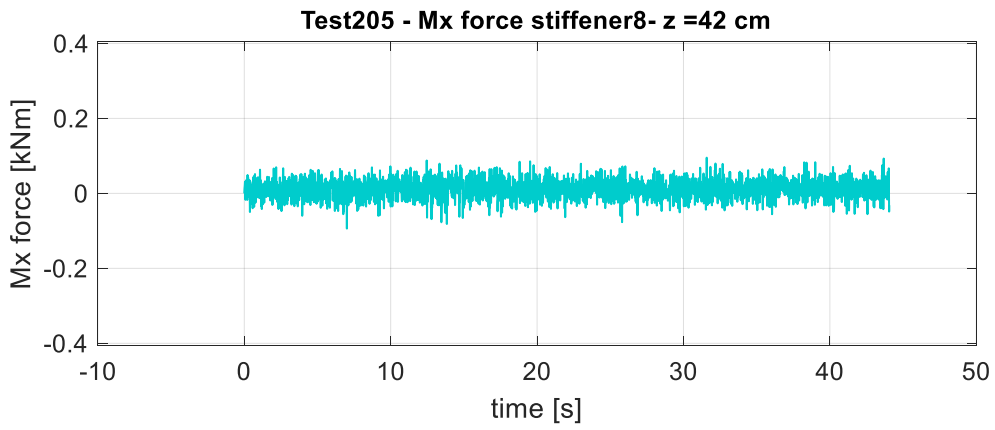
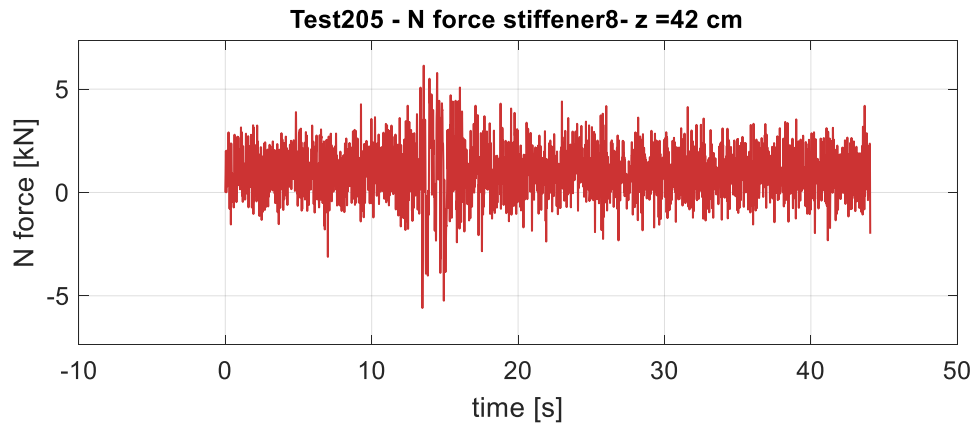
Quota Z = 42 cm: montante 6



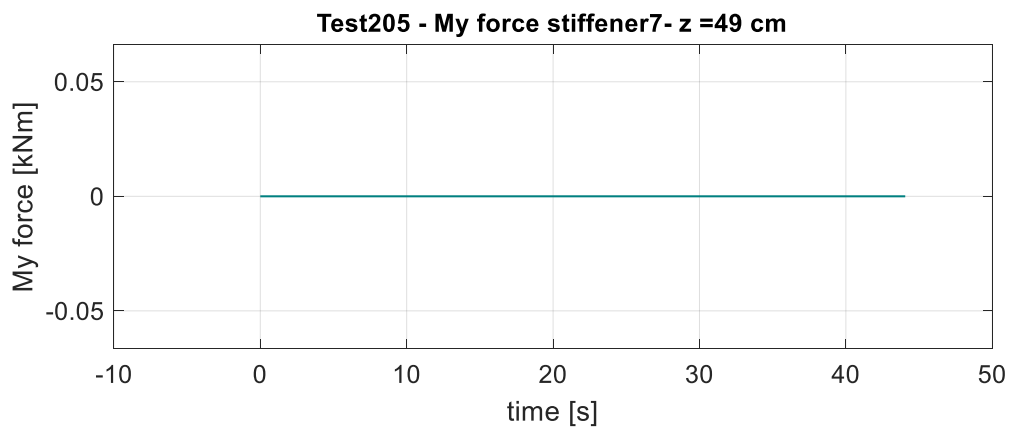
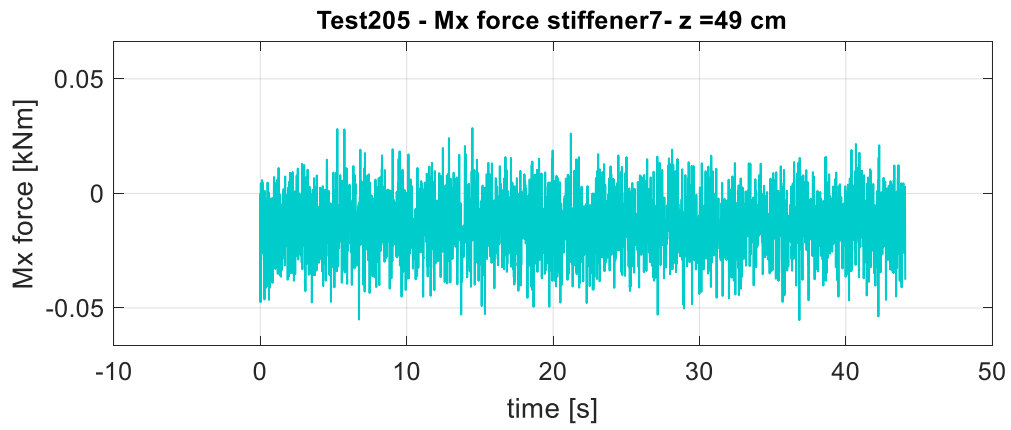
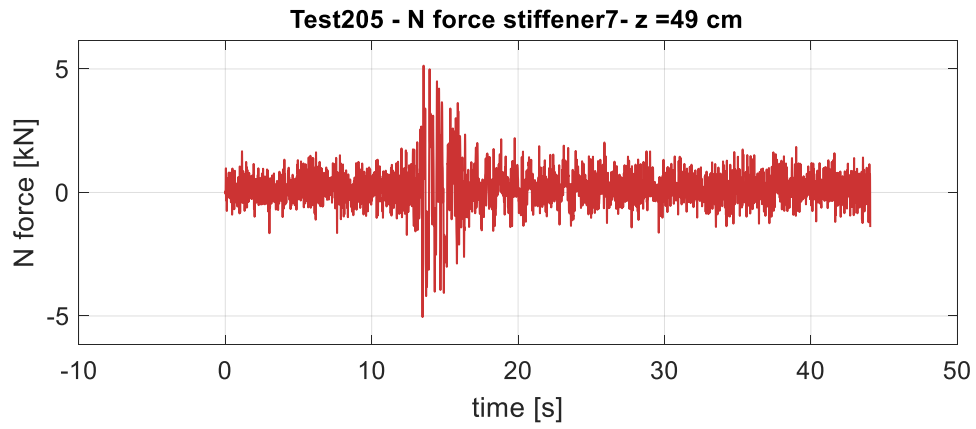
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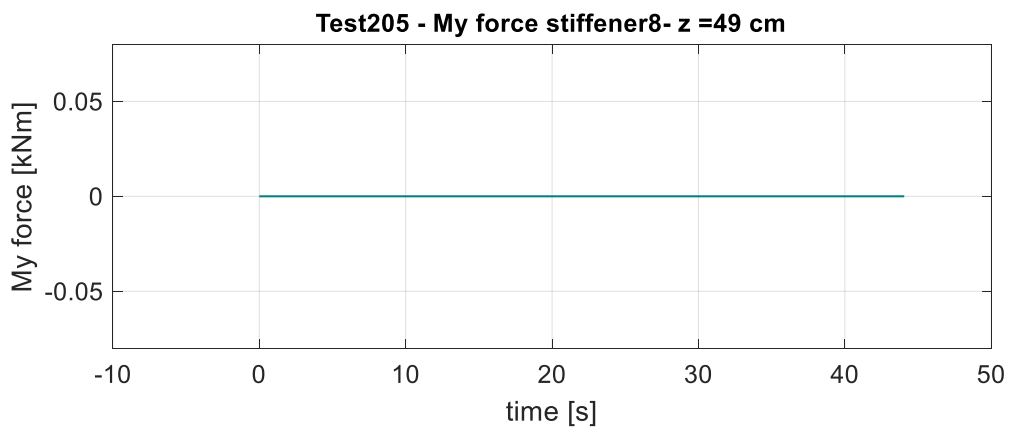
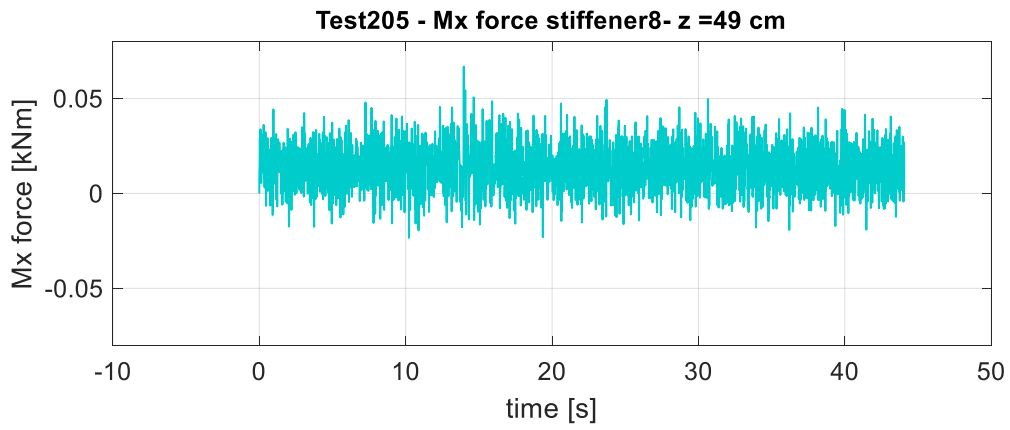
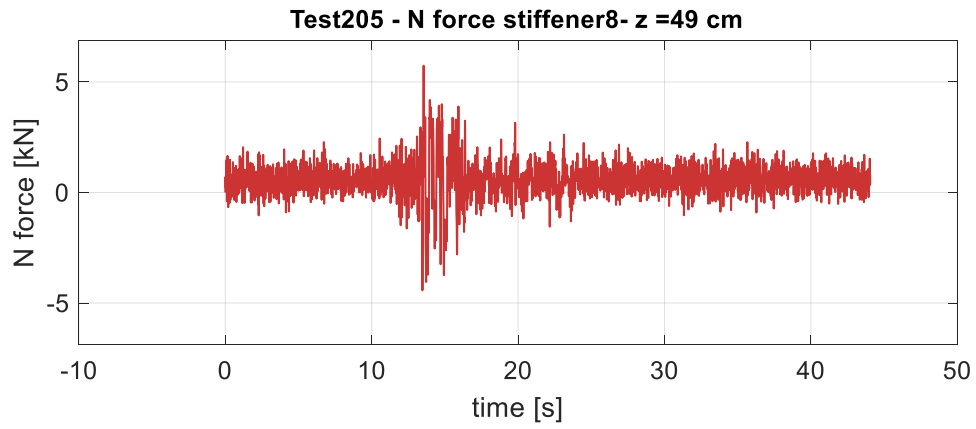
Quota Z = 42 cm: montante 8



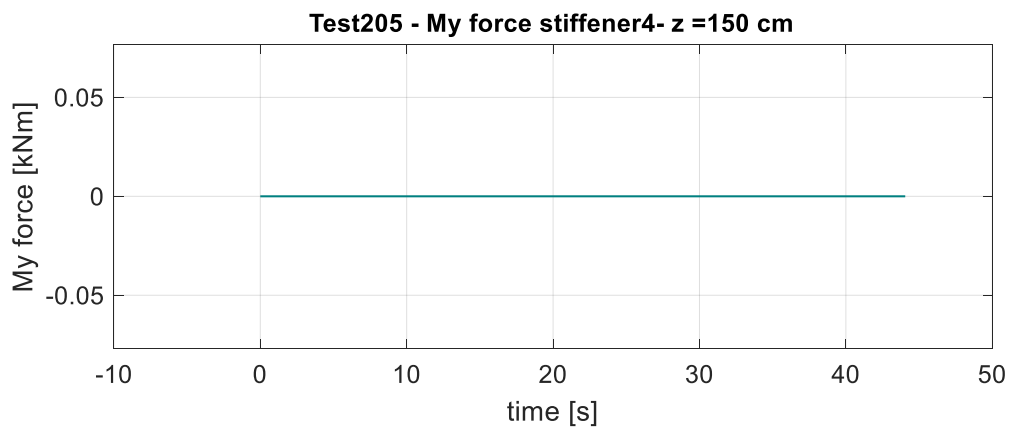
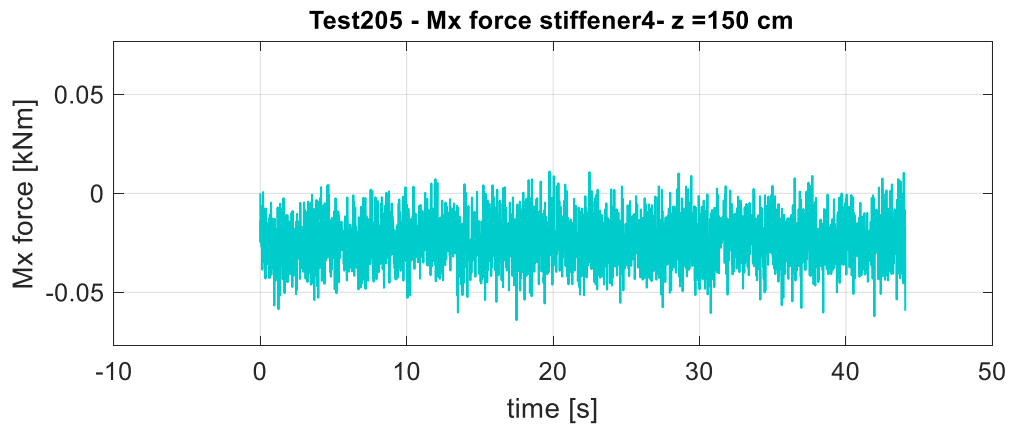
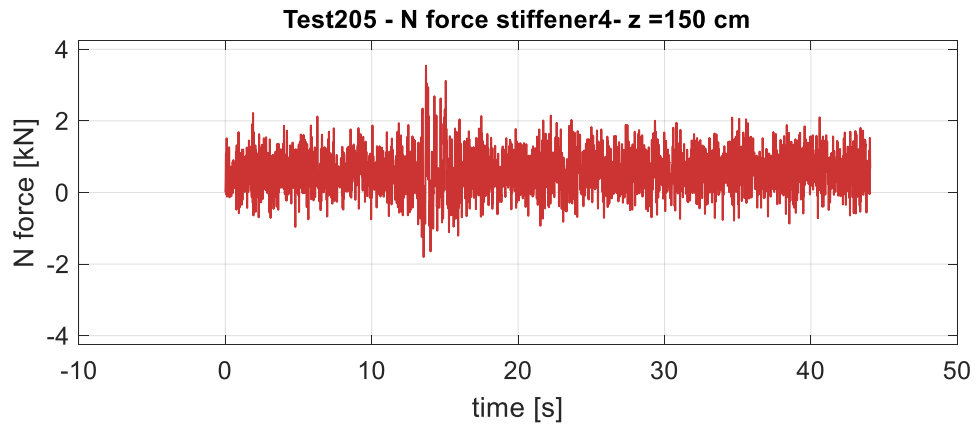
Quota Z = 49 cm: montante 7



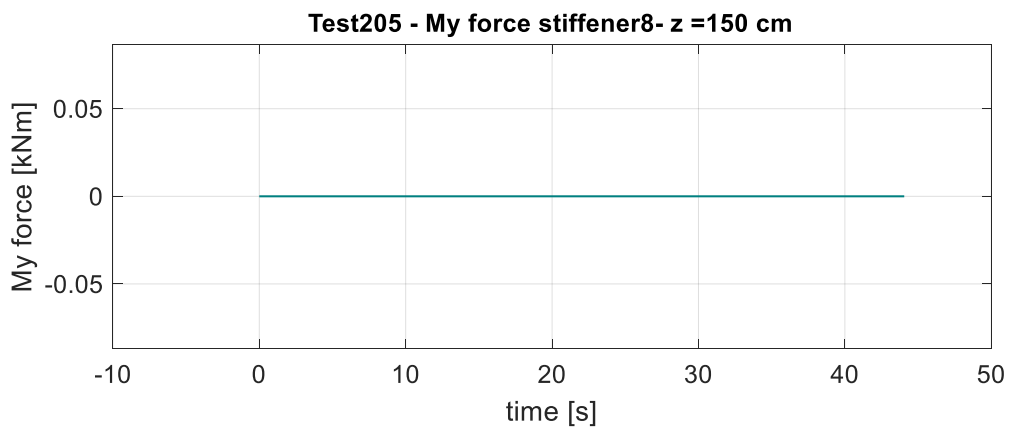
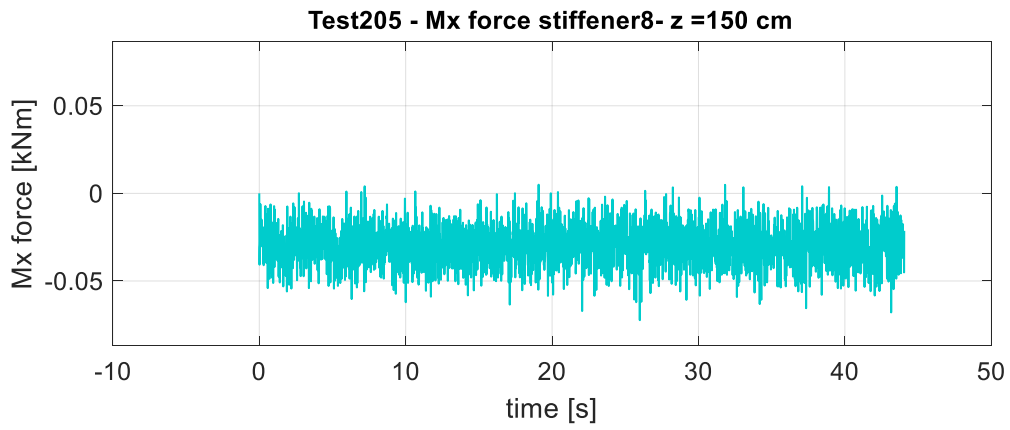
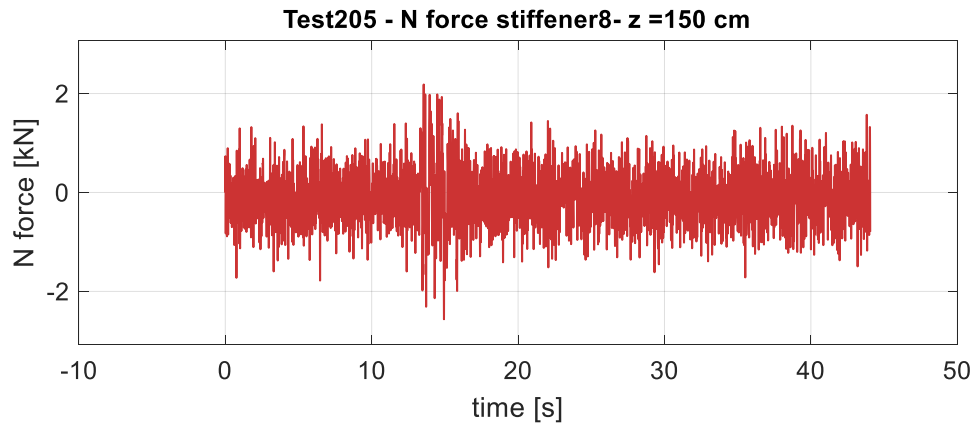
Quota Z = 49 cm: montante 8



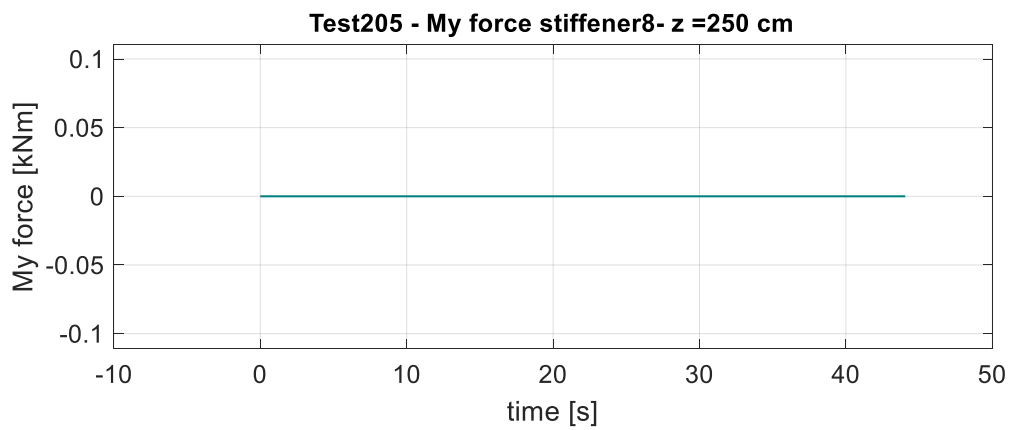
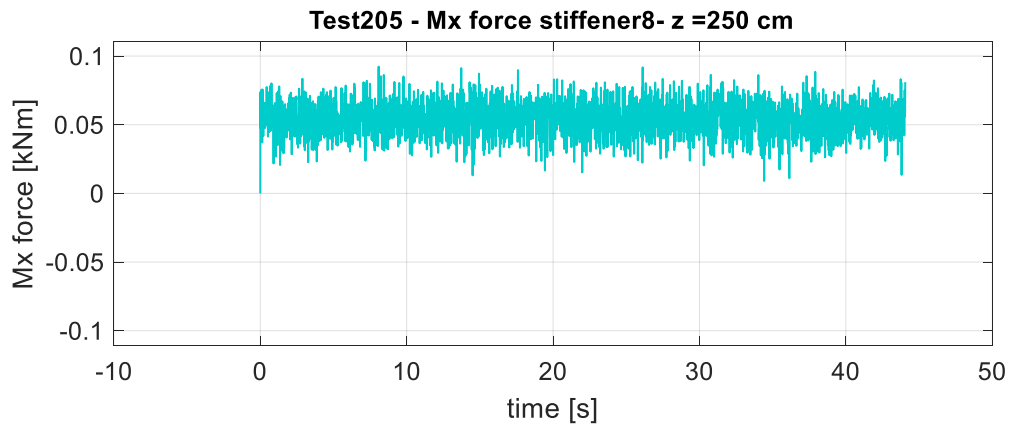
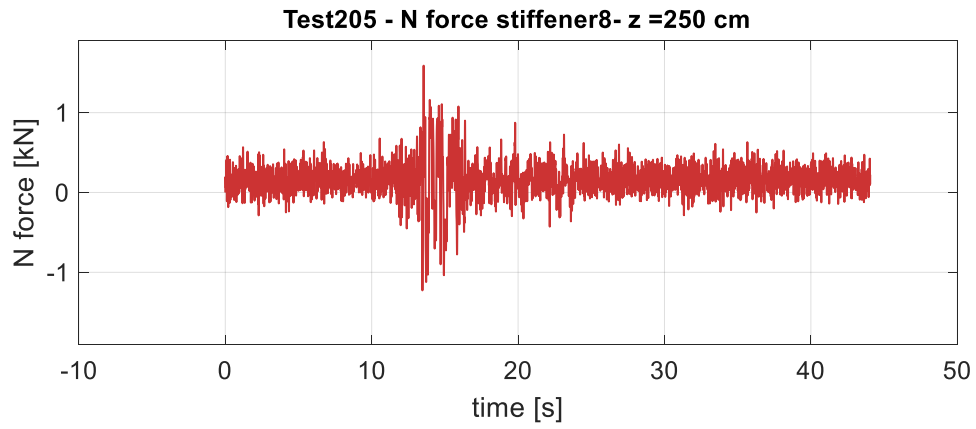
Quota Z = 150 cm: montante 4



Quota Z = 150 cm: montante 8

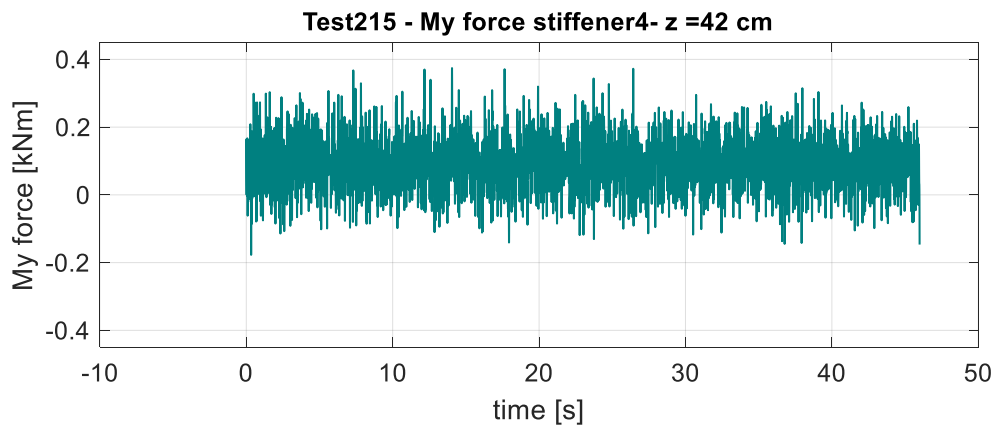
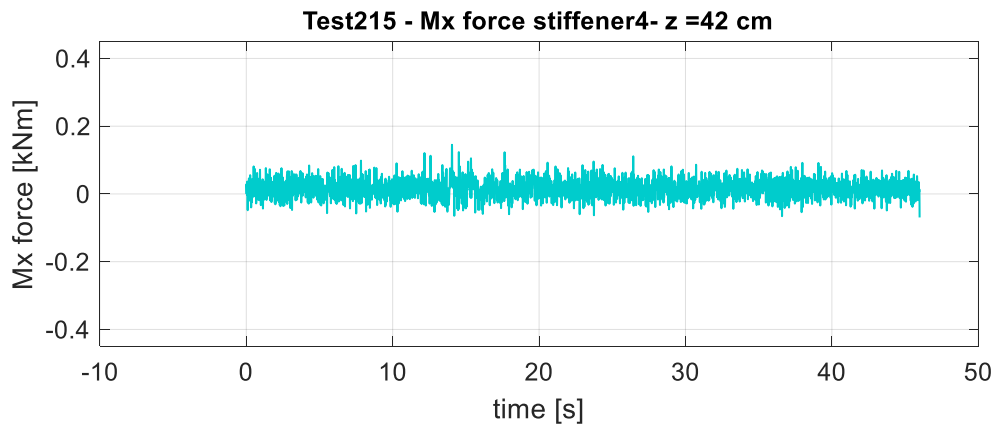
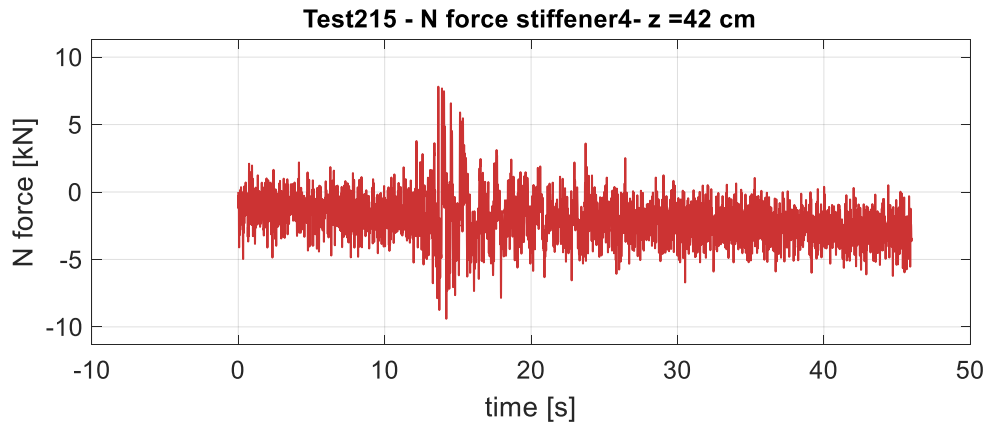


Quota Z = 250 cm: montante 8

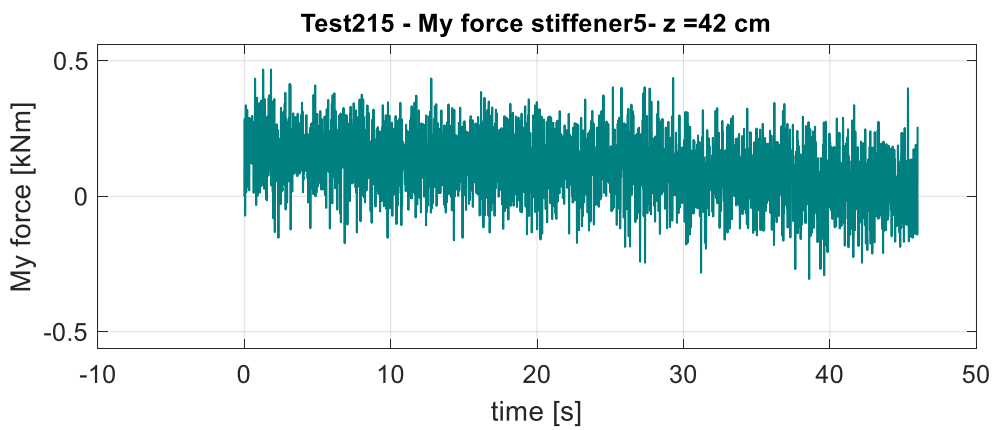
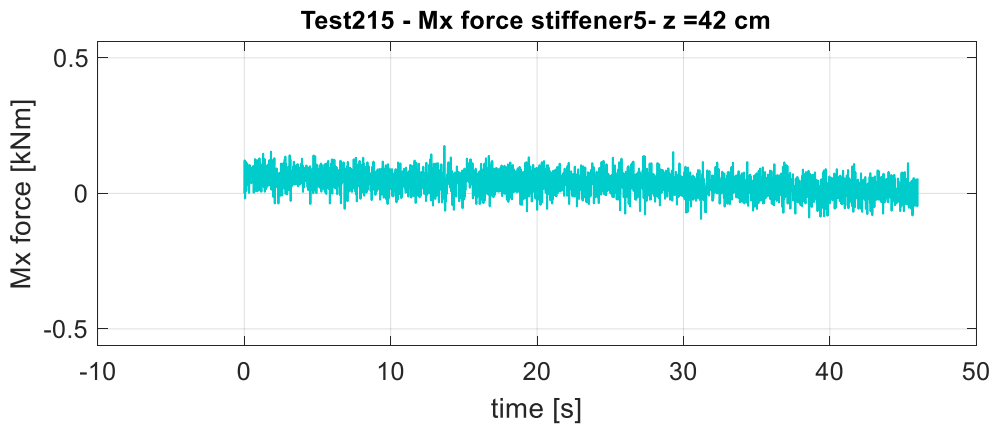
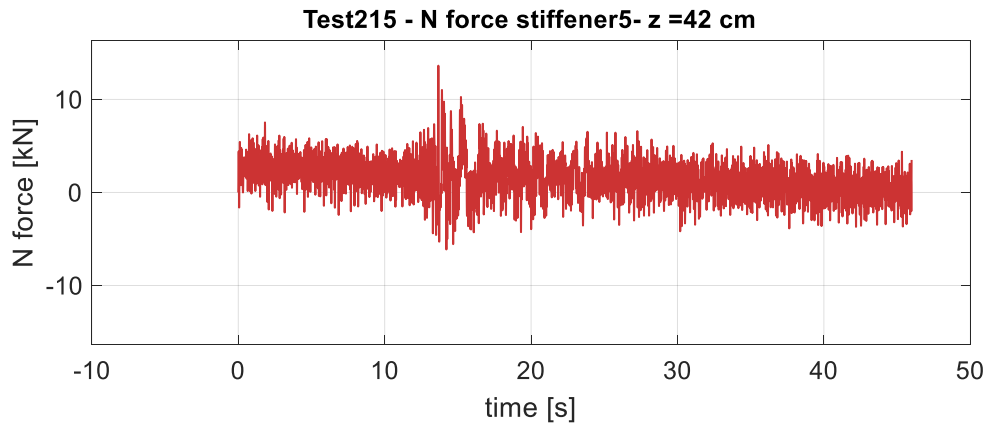


Earthquake input RS3 0.3 g: Test 215

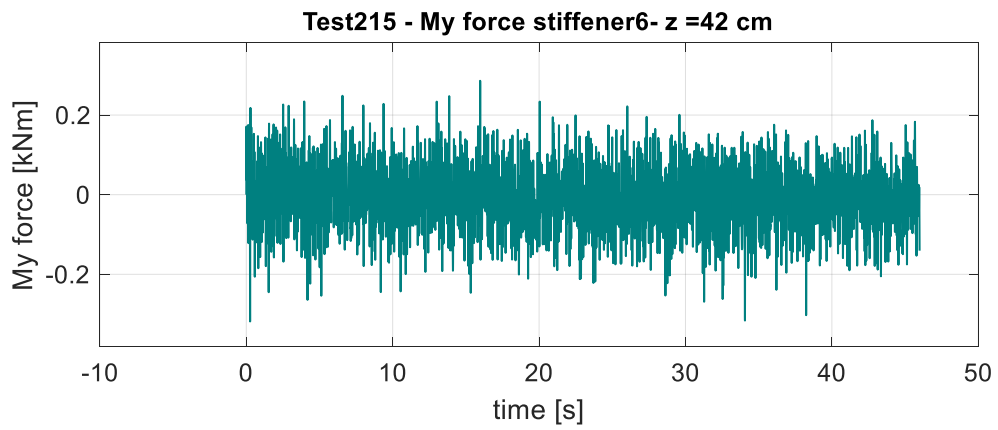
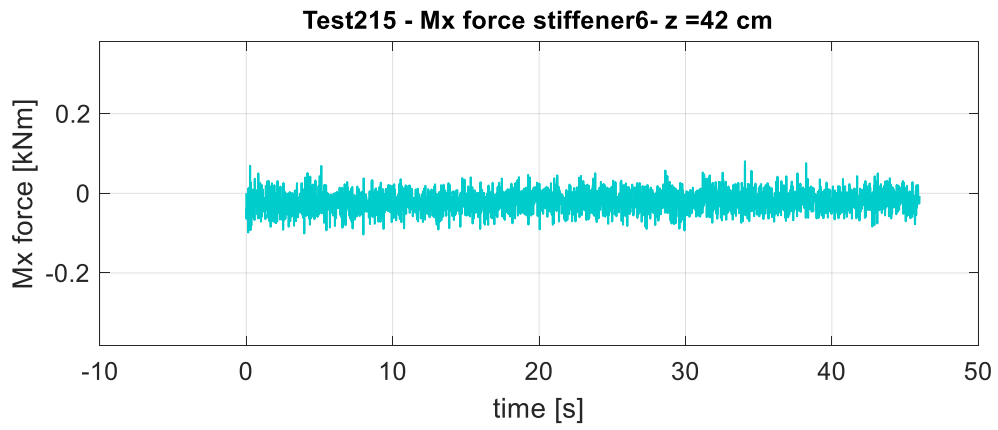
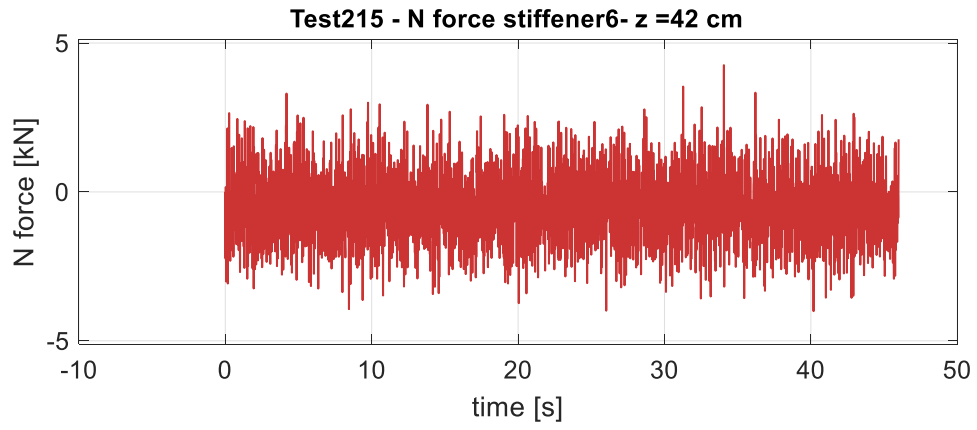
Quota Z = 42 cm: montante 4



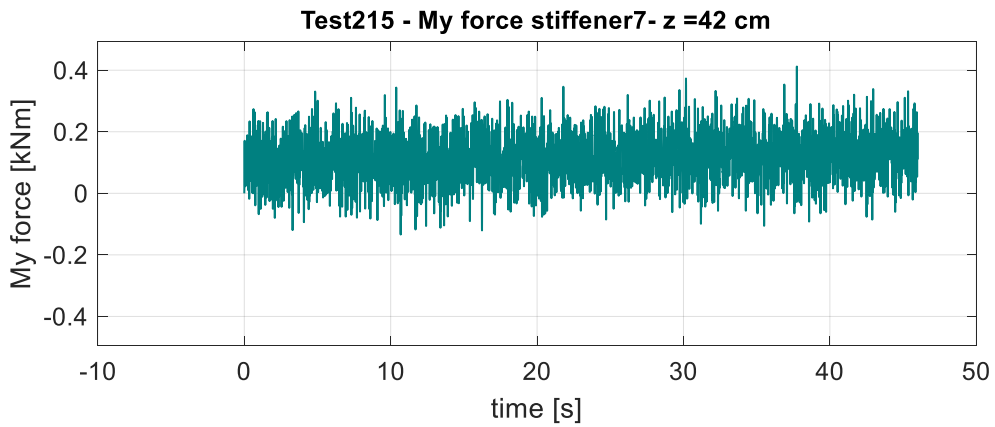
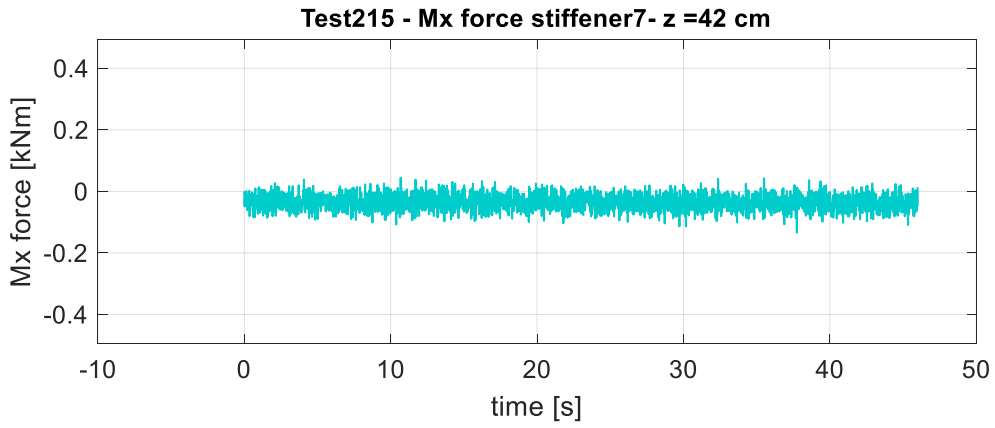
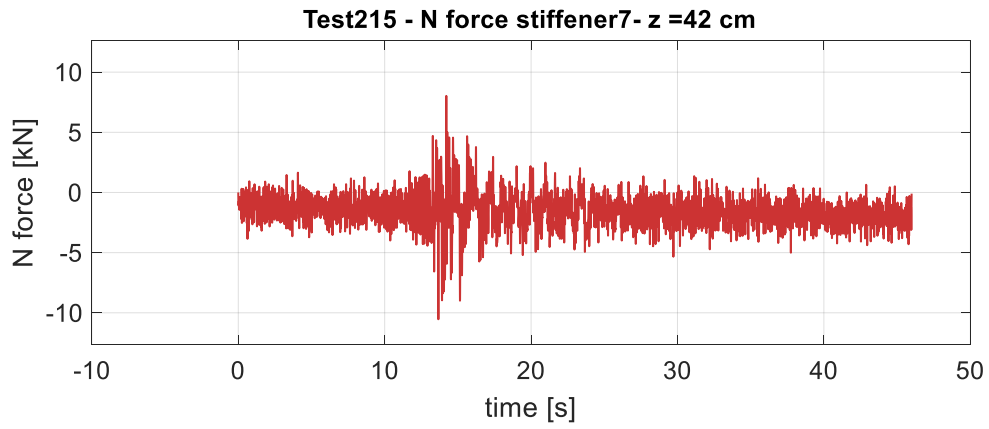
Quota Z = 42 cm: montante 5



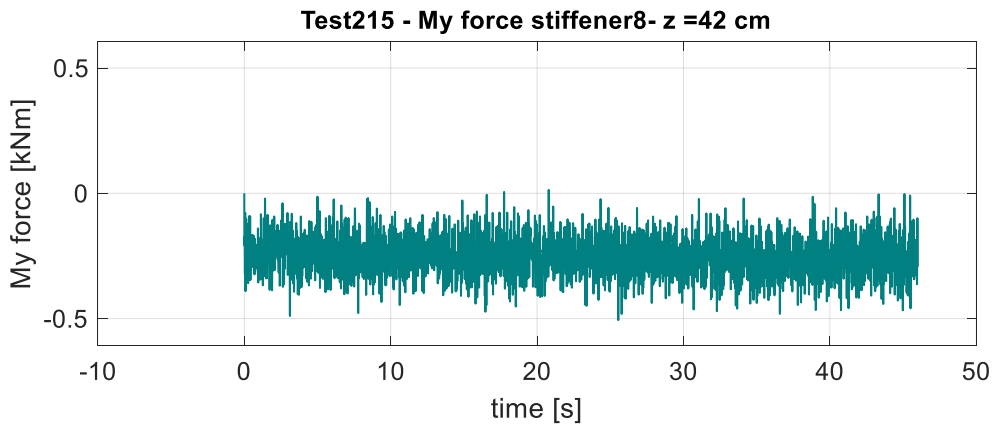
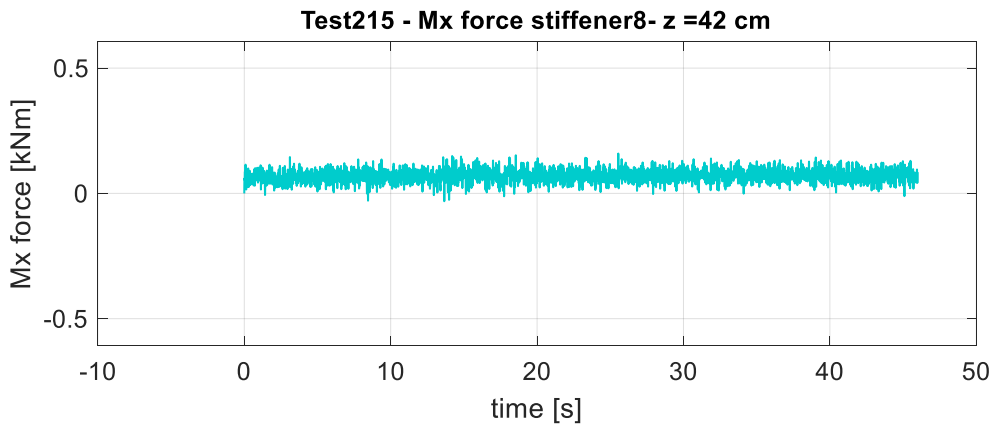
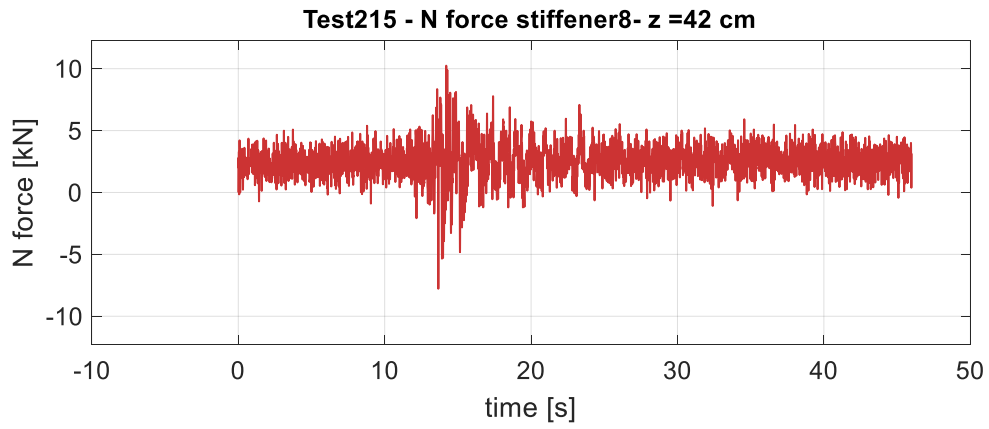
Quota Z = 42 cm: montante 6



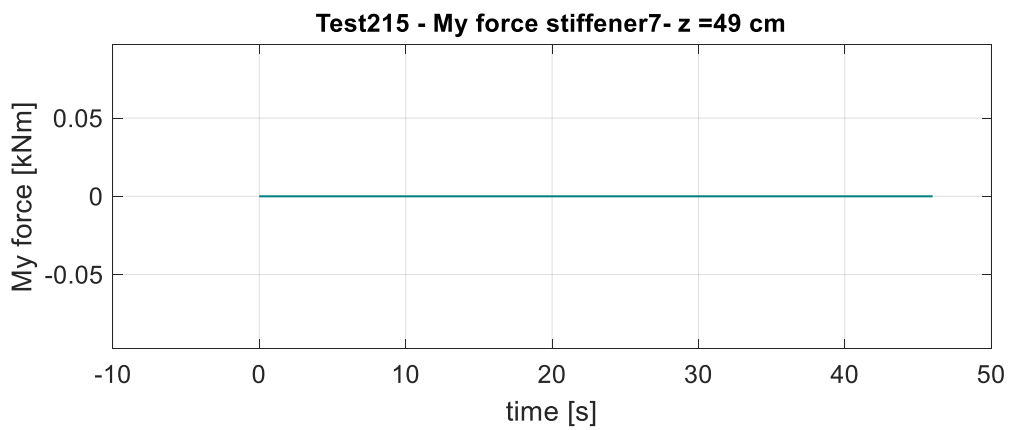
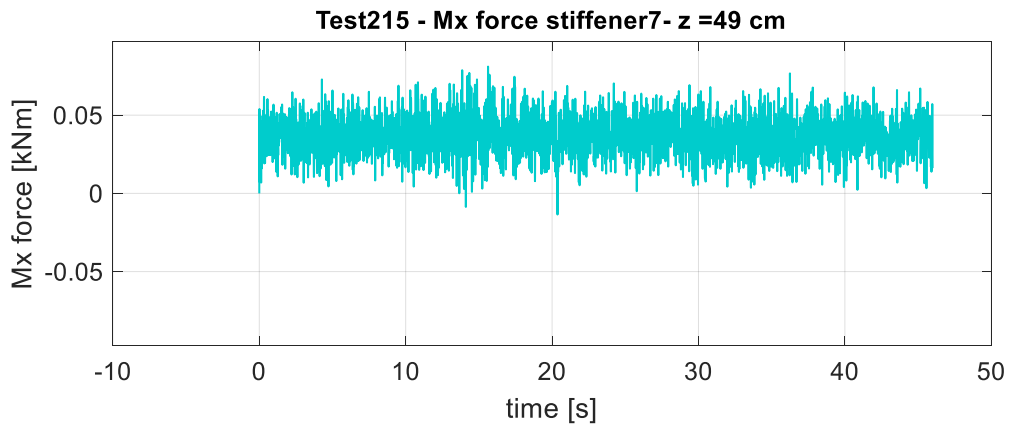
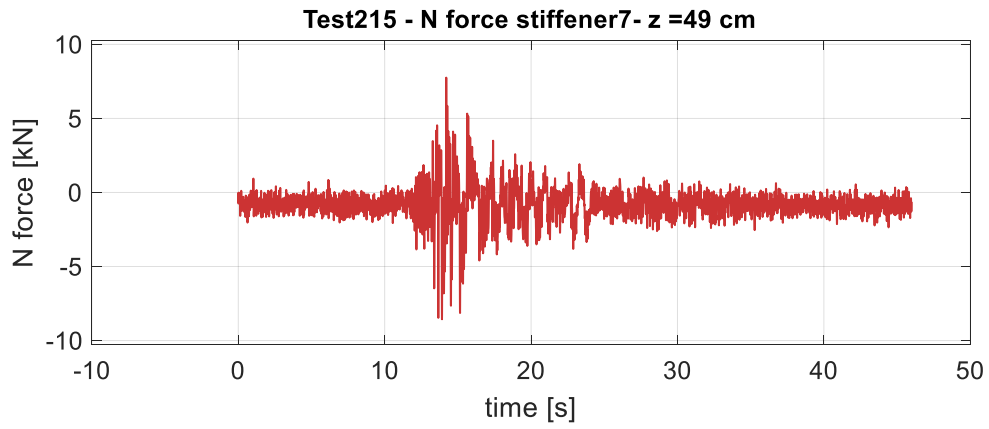
Quota Z = 42 cm: montante 7



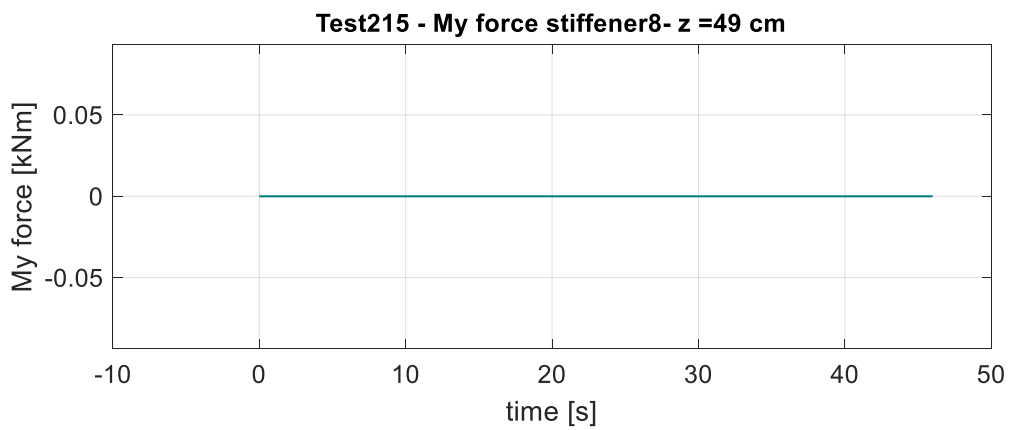
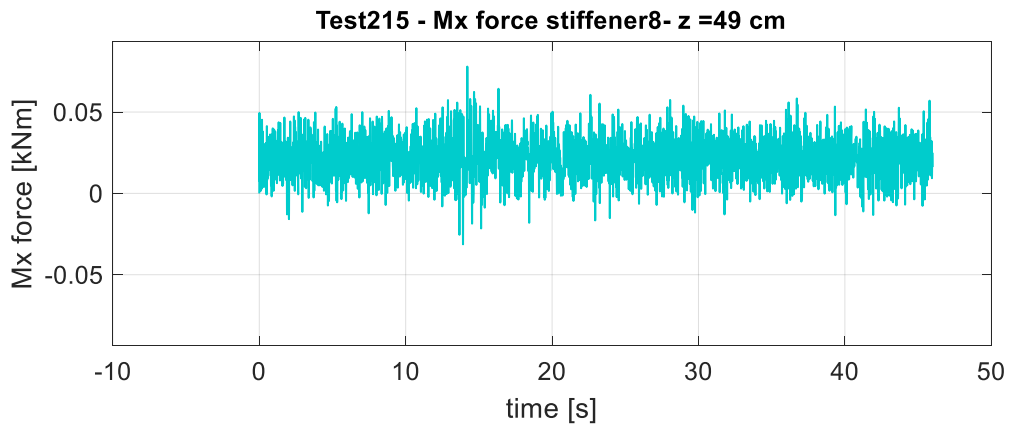
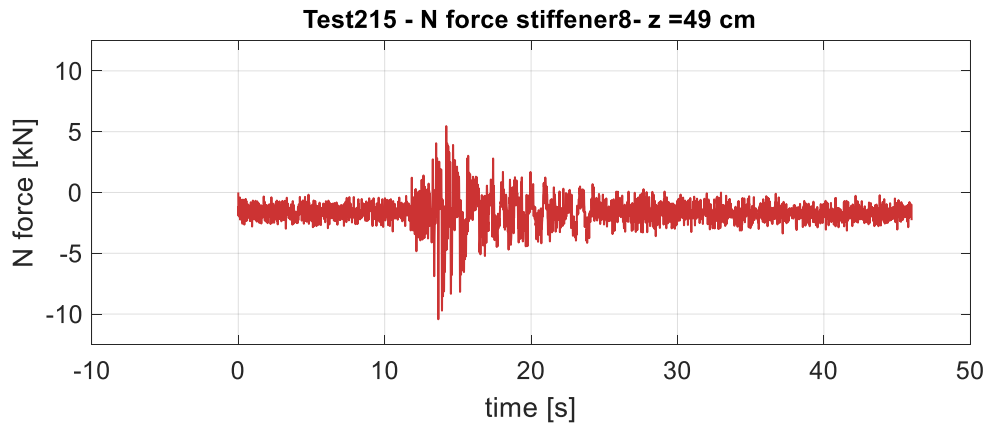
Quota Z = 42 cm: montante 8



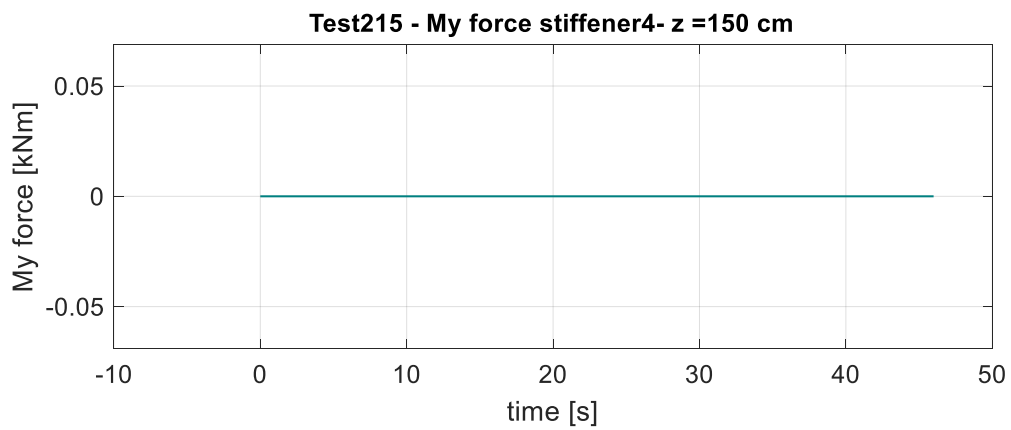
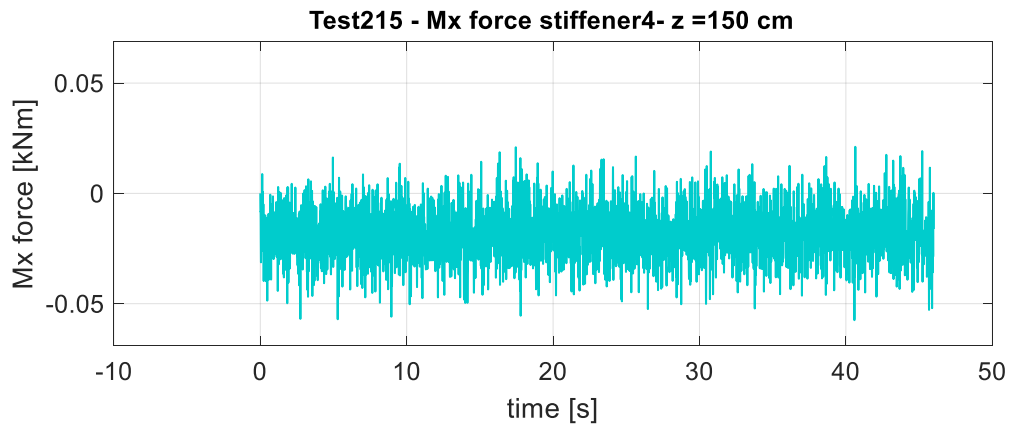
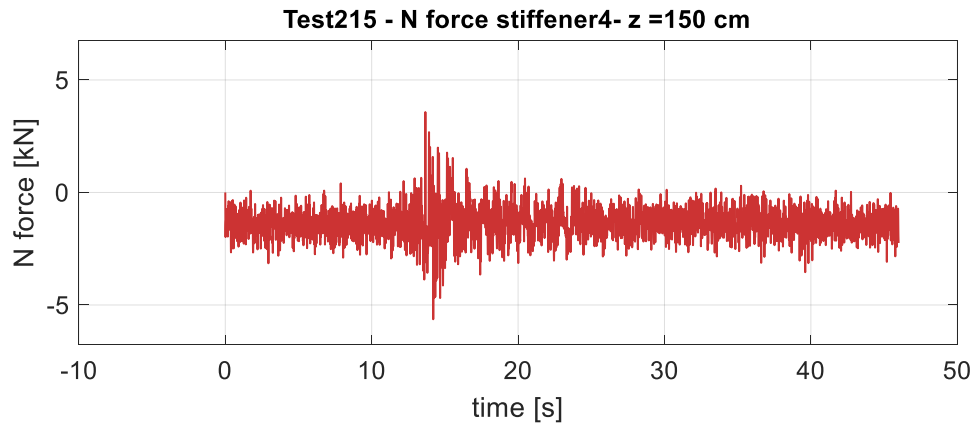
Quota Z = 49 cm: montante 7



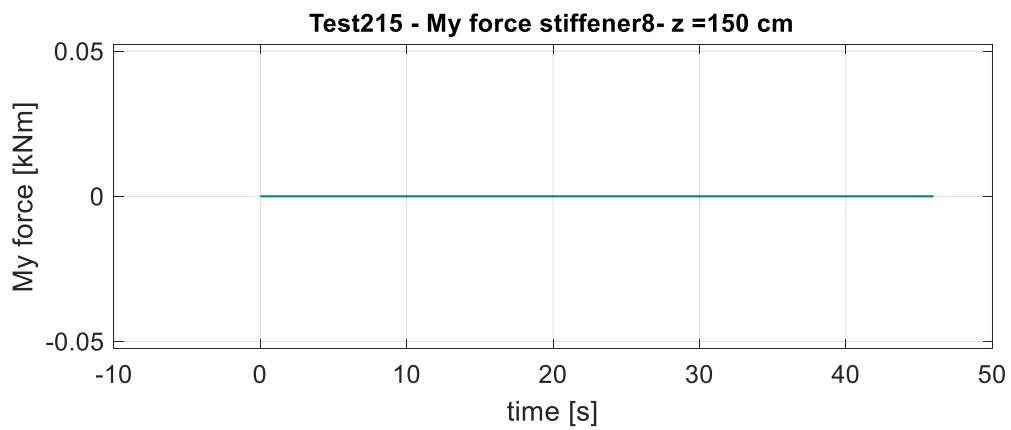
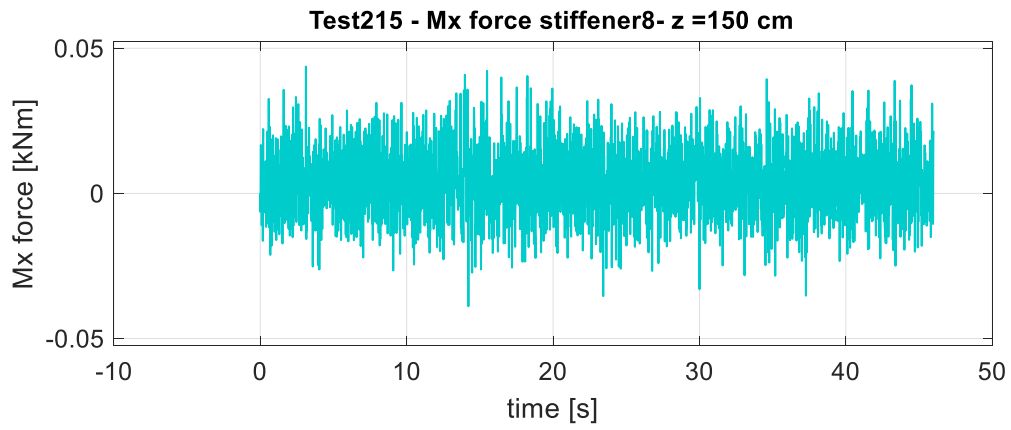
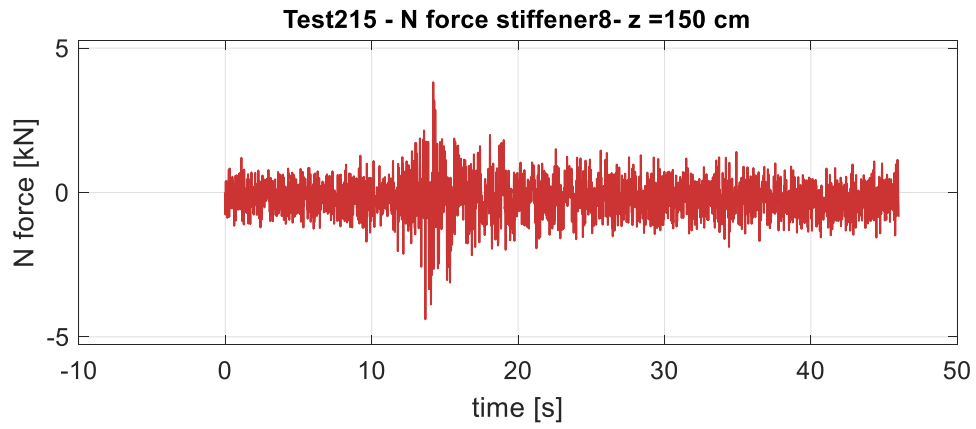
Quota Z = 49 cm: montante 8



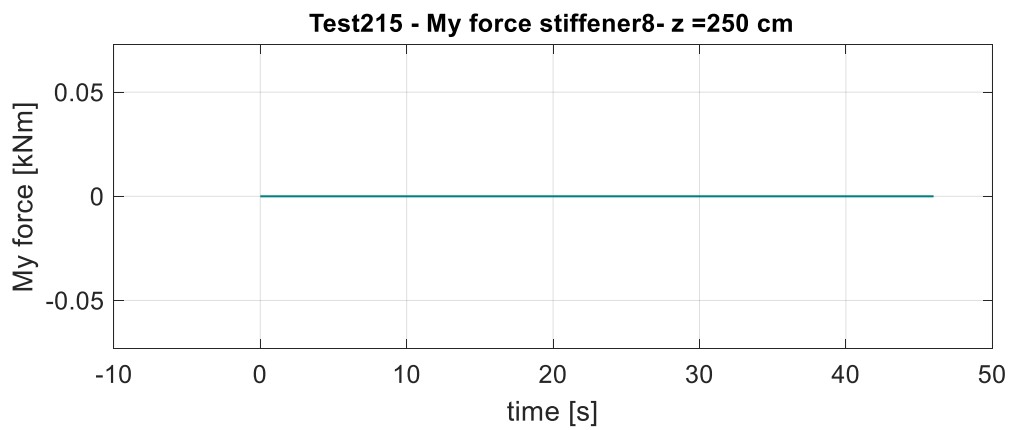
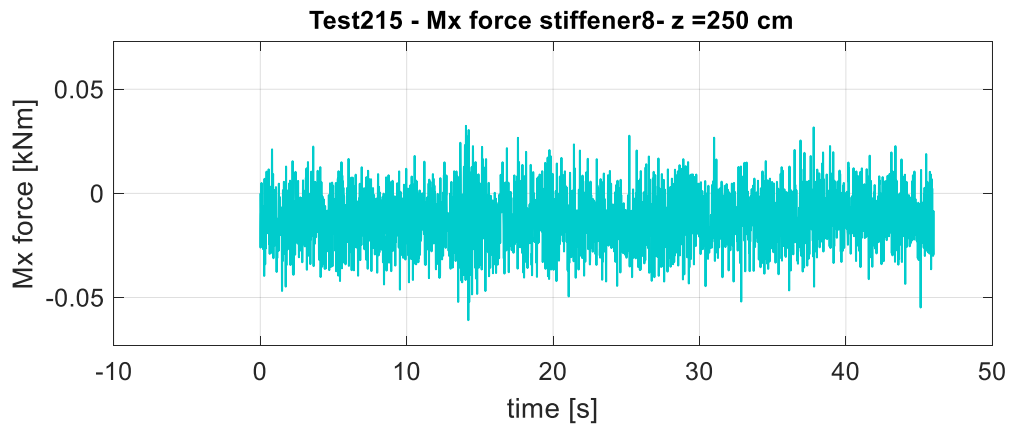
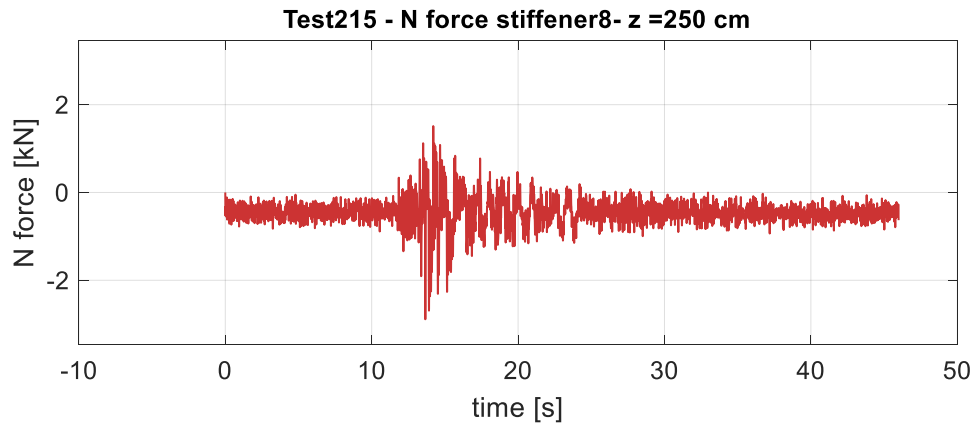
Quota Z = 150 cm: montante 4



Quota Z = 150 cm: montante 8

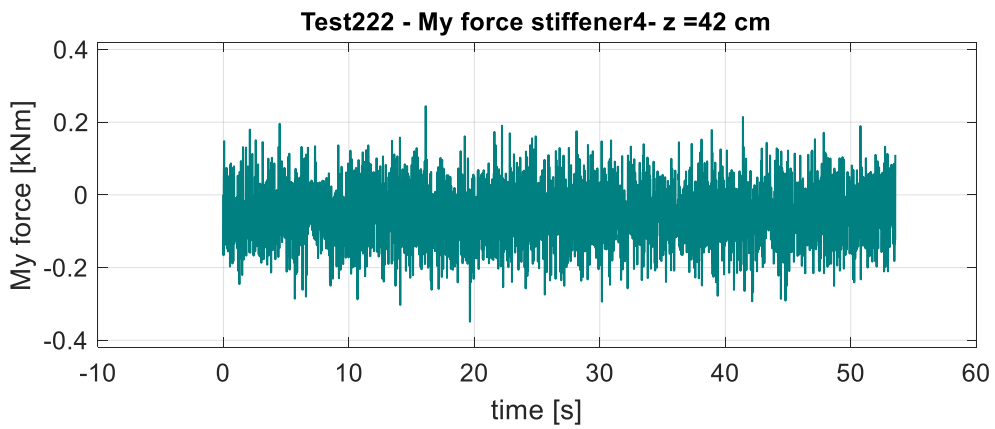
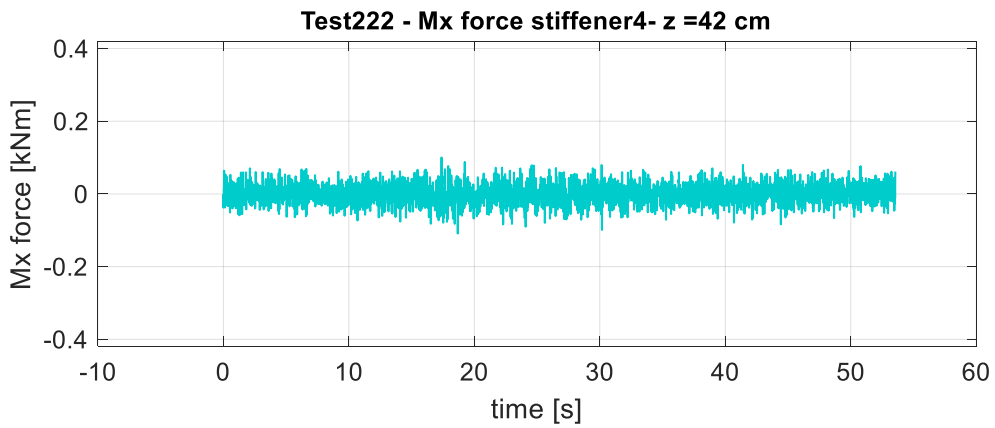
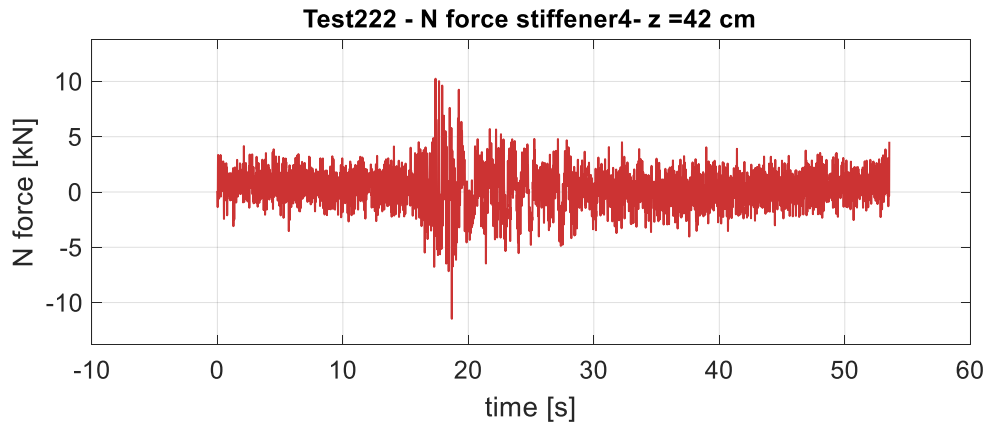


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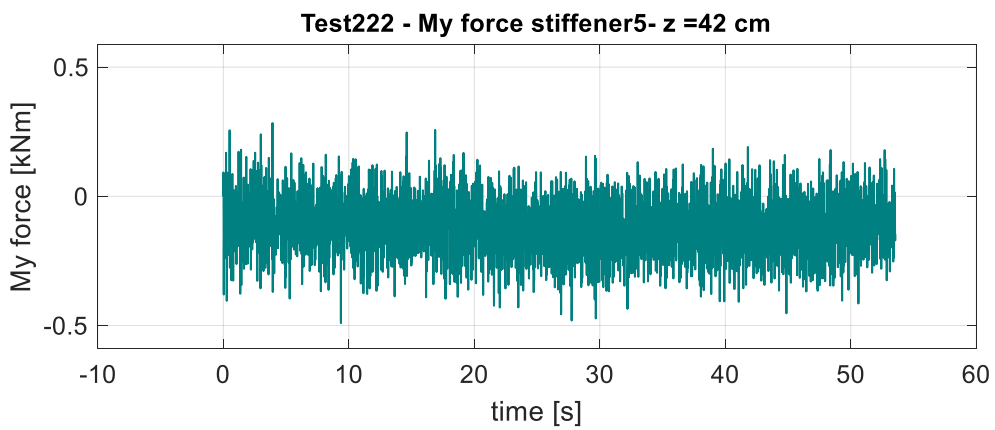
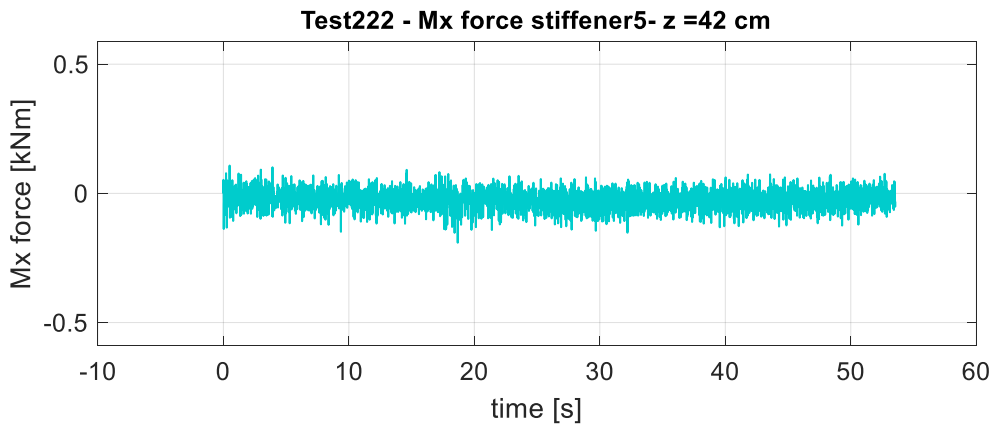
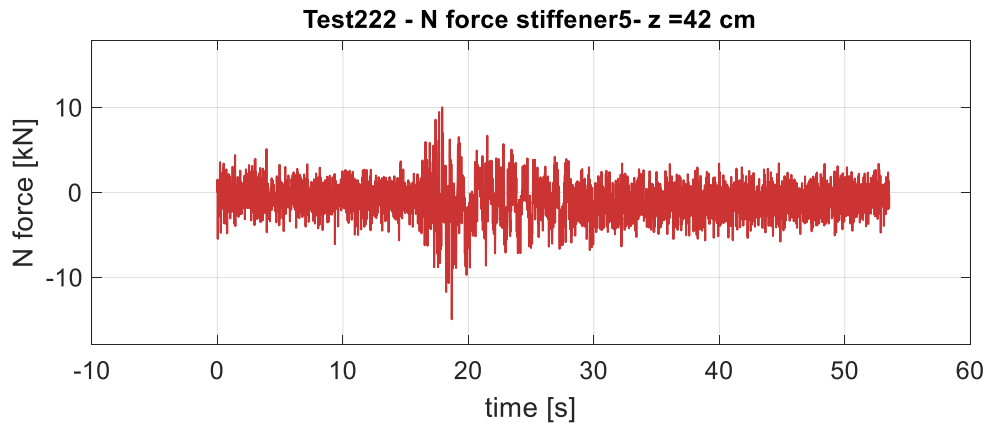


Earthquake input RS3 0.5 g: Test 222

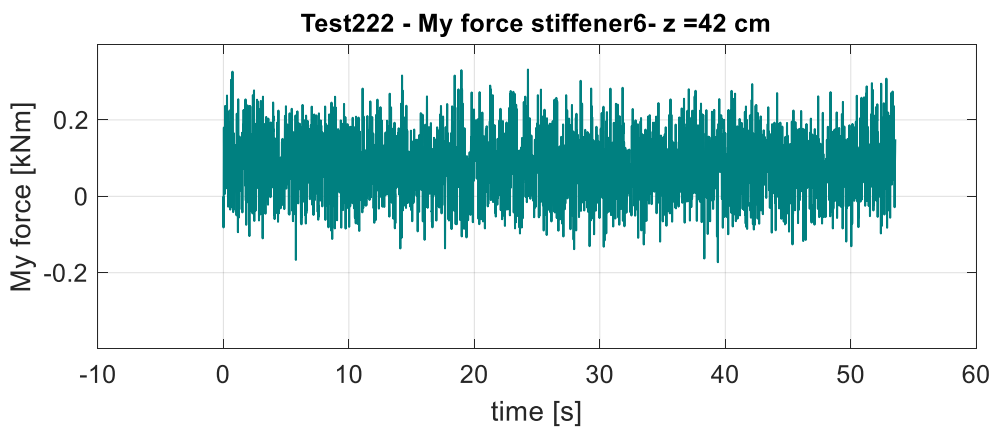
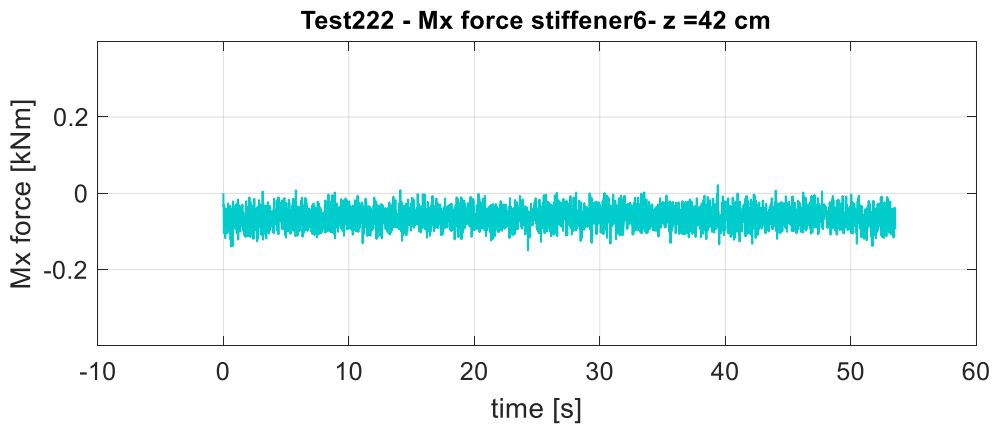
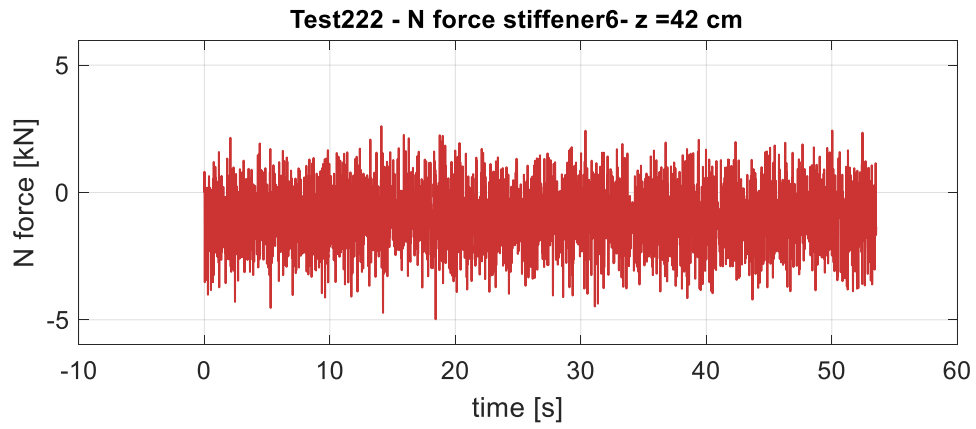
Quota Z = 42 cm: montante 4



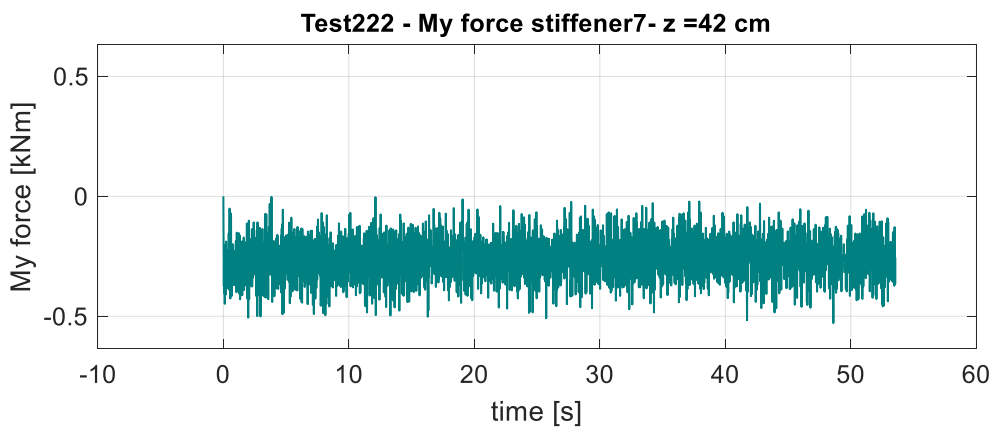
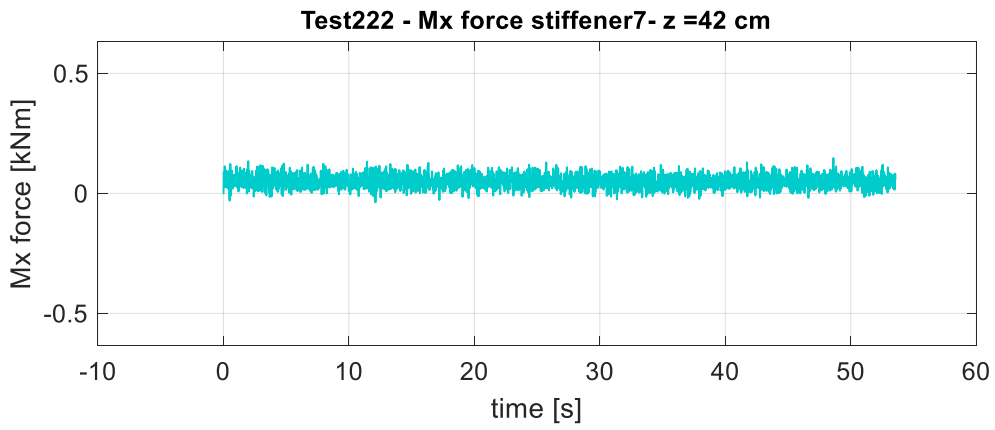
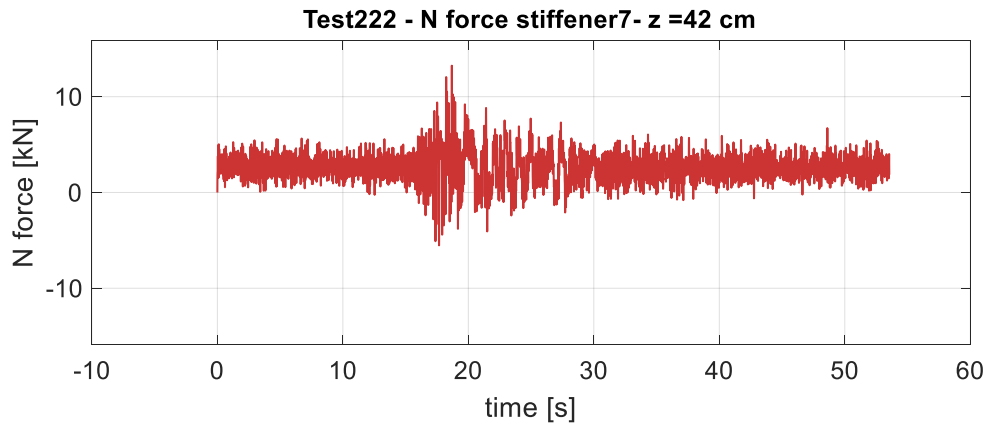
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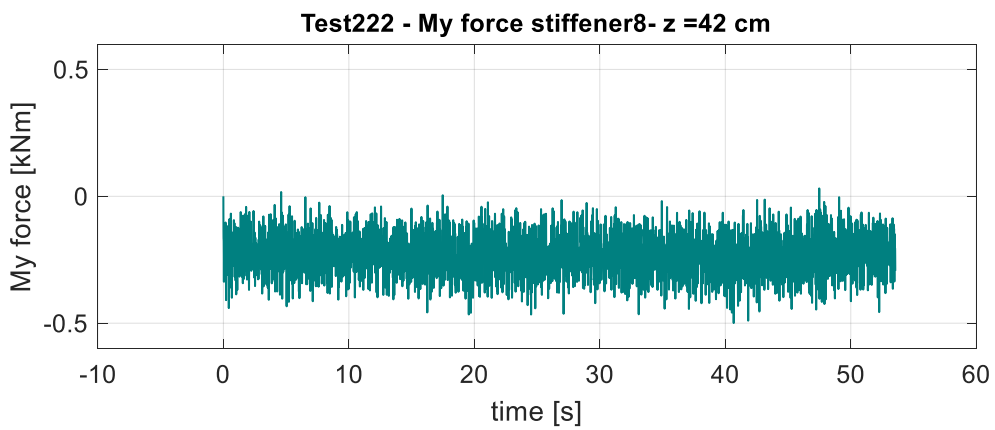
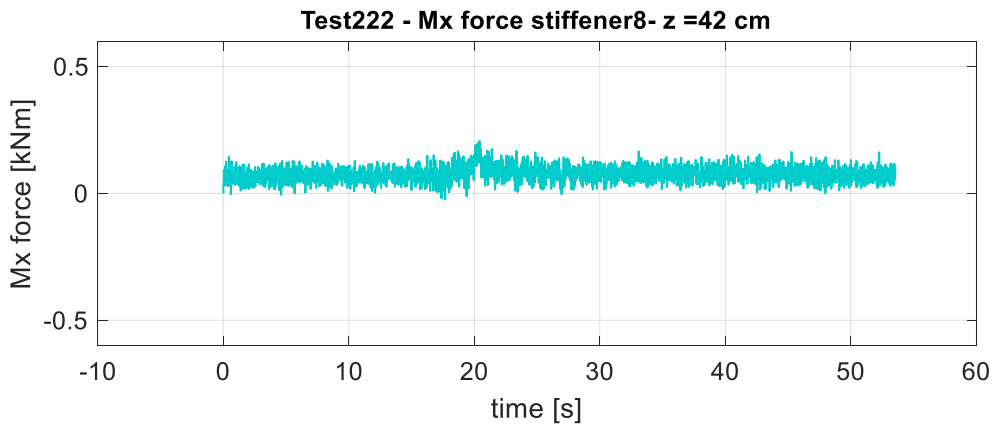
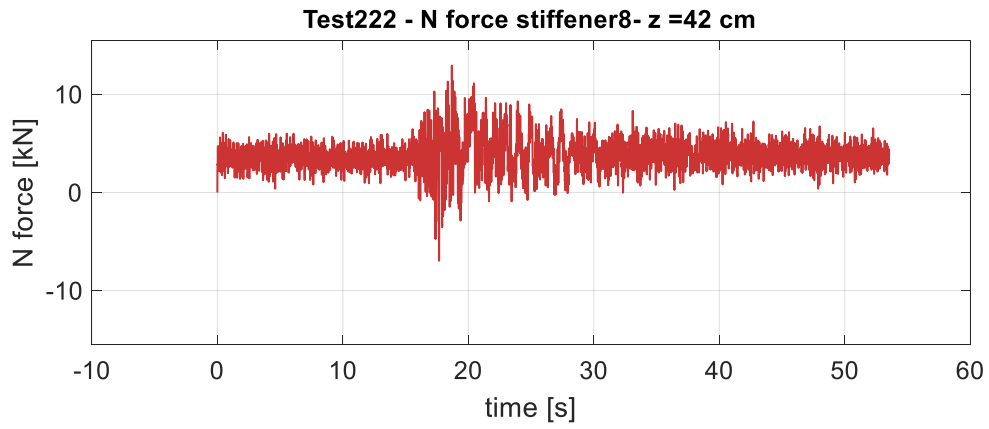
Quota Z = 42 cm: montante 6



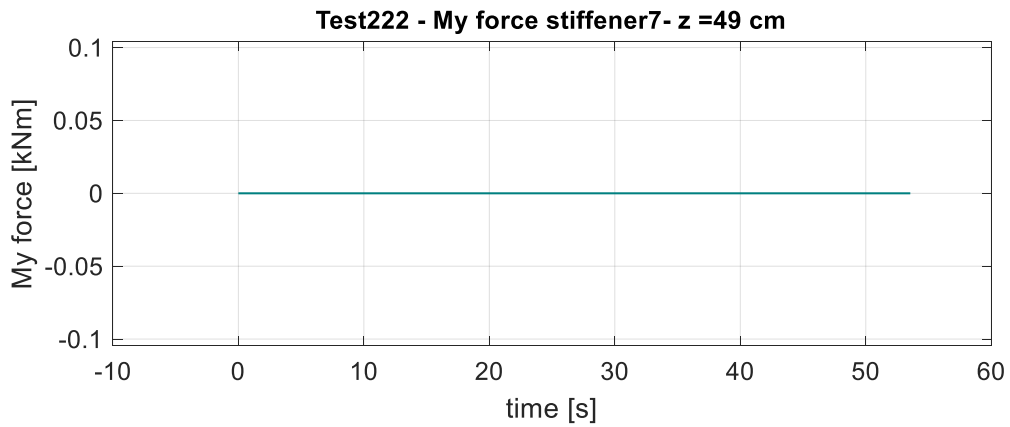
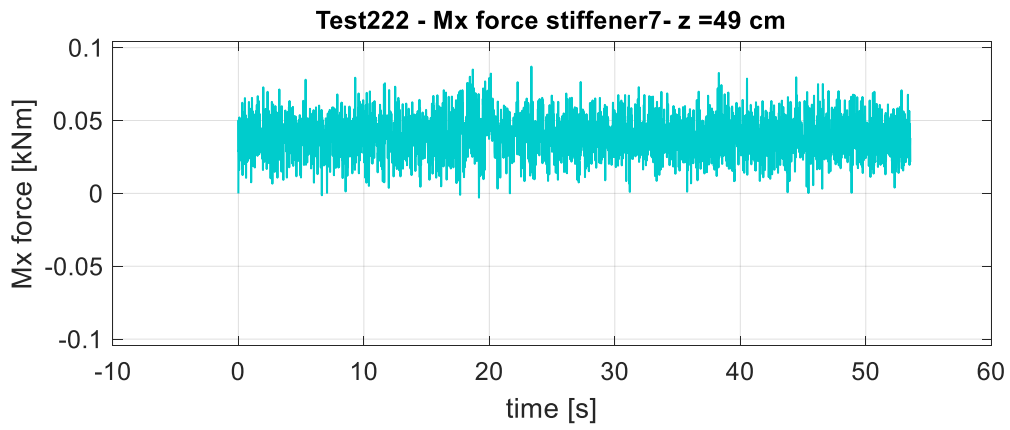
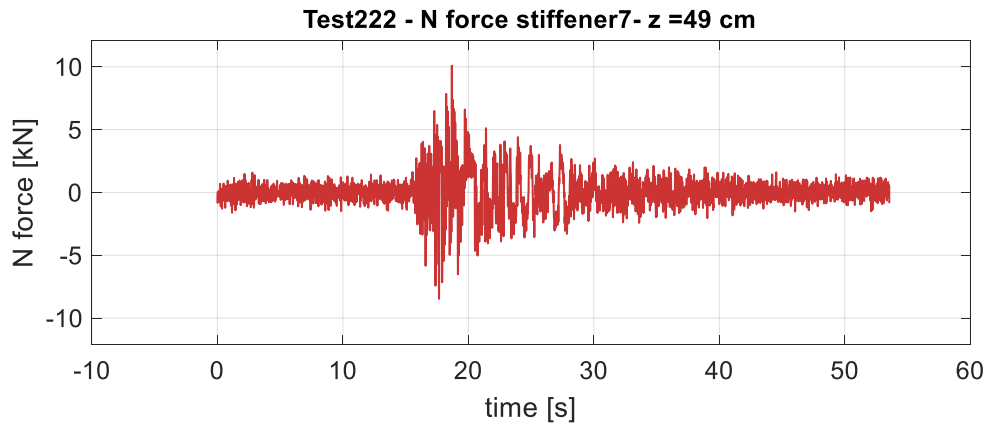
Quota Z = 42 cm: montante 7



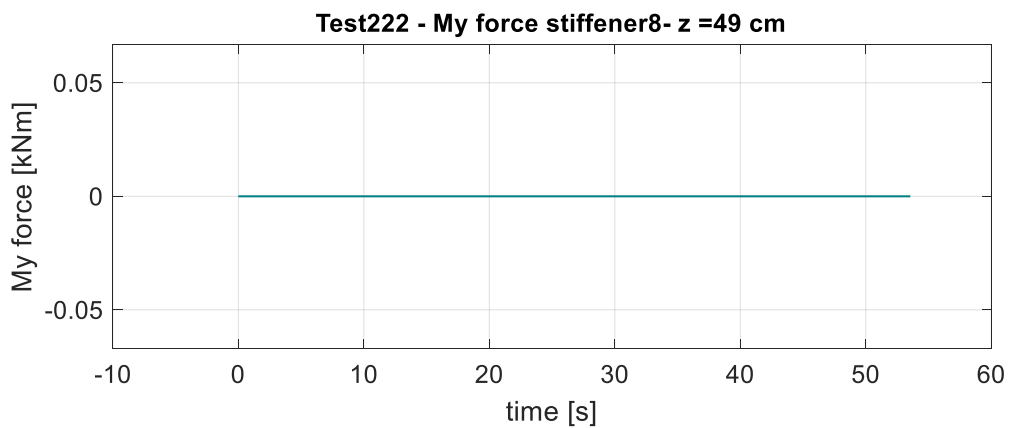
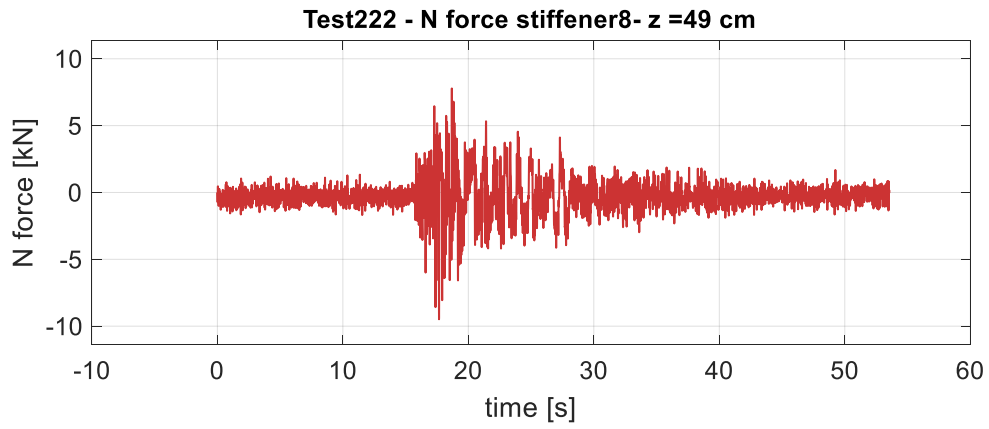
Quota Z = 42 cm: montante 8



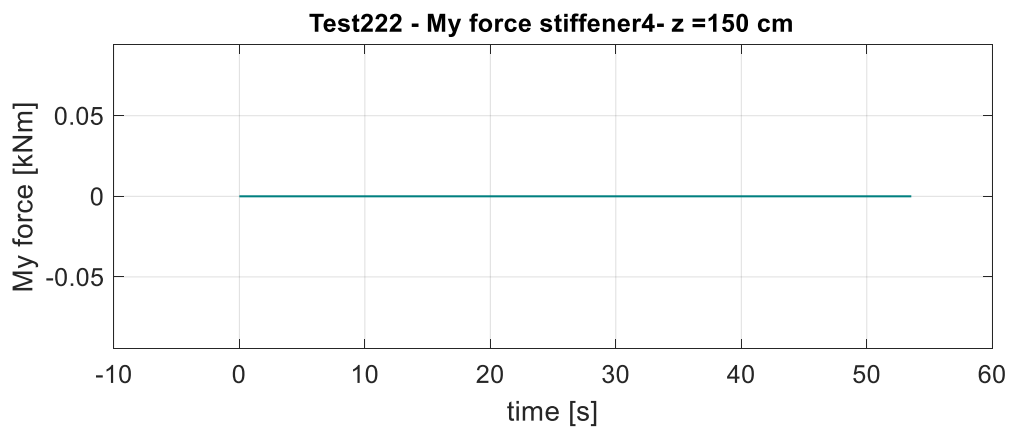
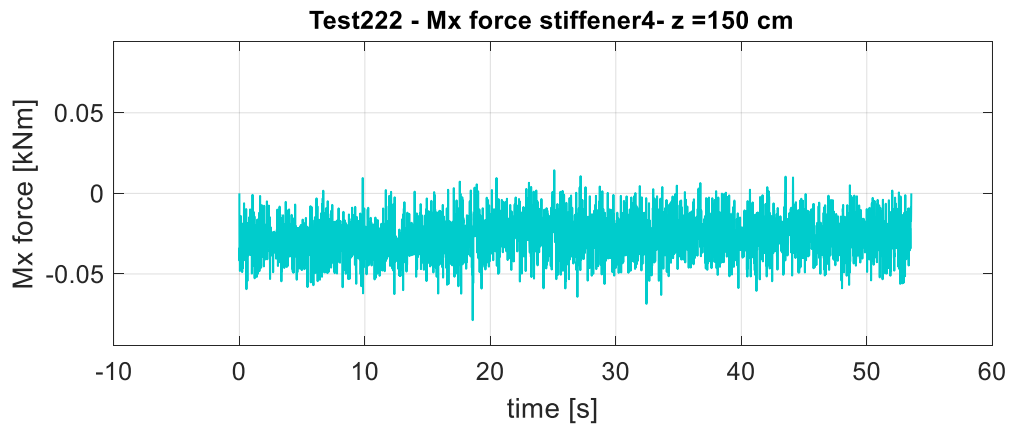
Quota Z = 49 cm: montante 7



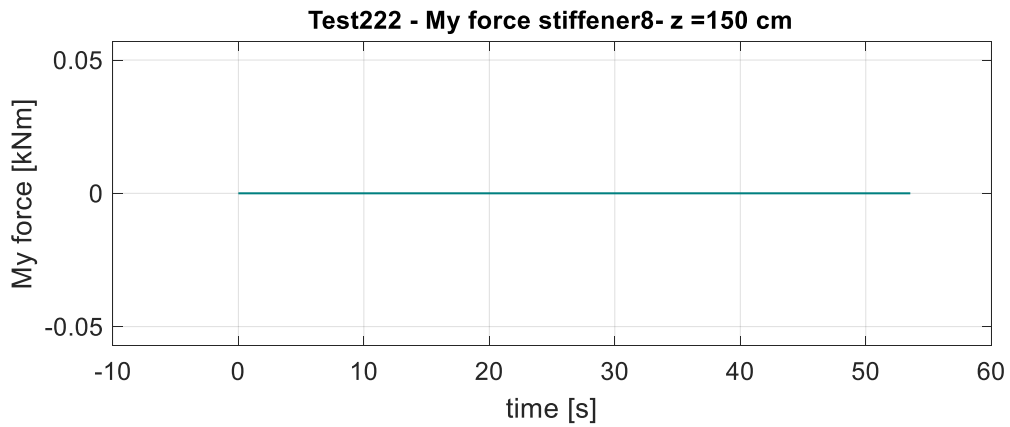
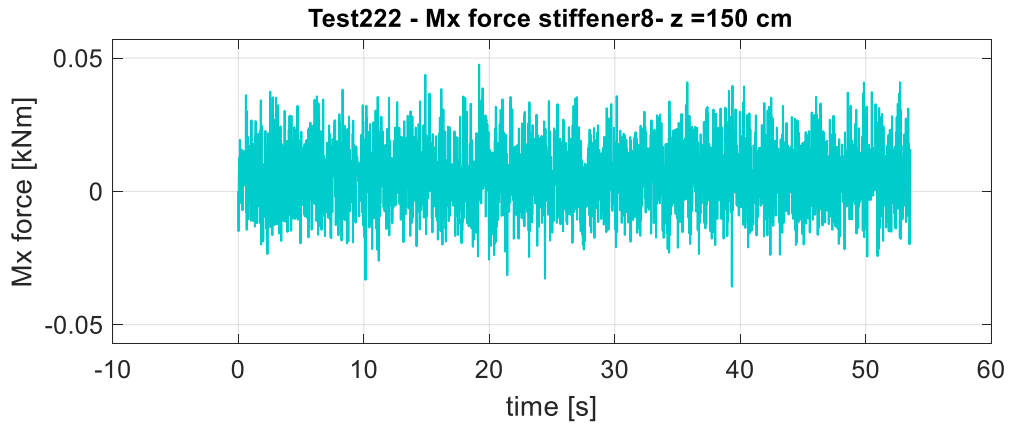
Quota Z = 49 cm: montante 8



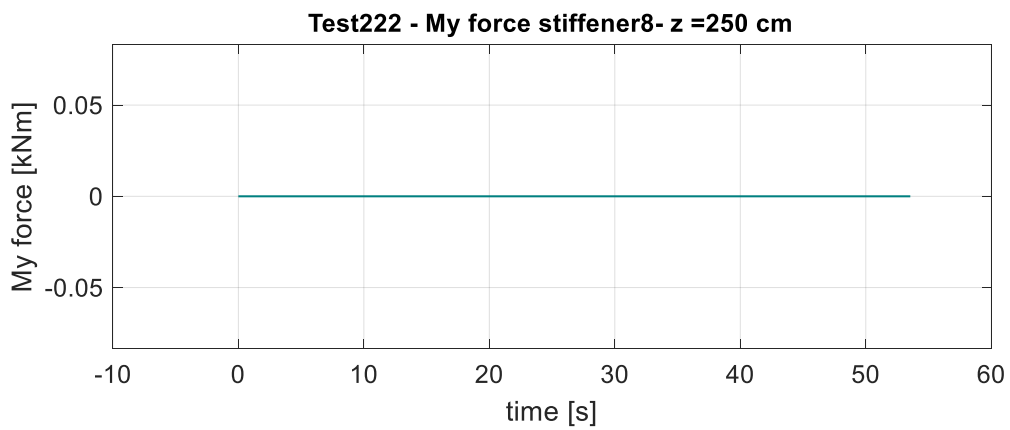
Quota Z = 150 cm: montante 4



Quota Z = 150 cm: montante 8

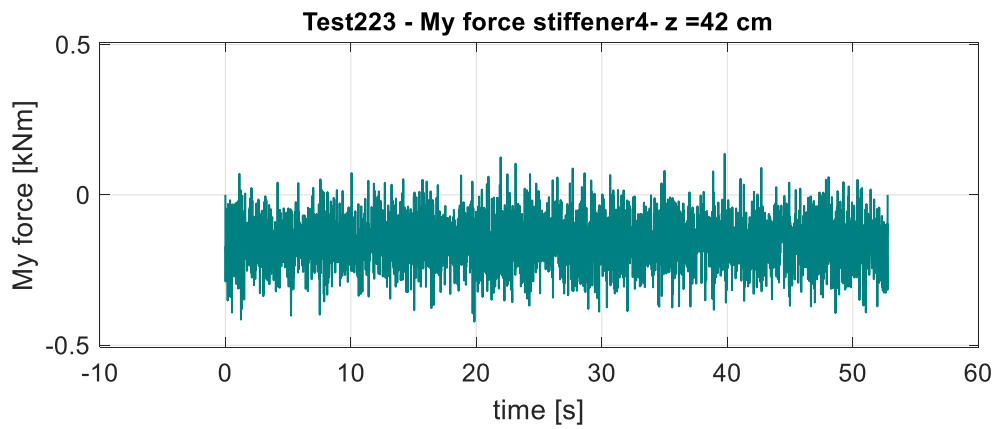
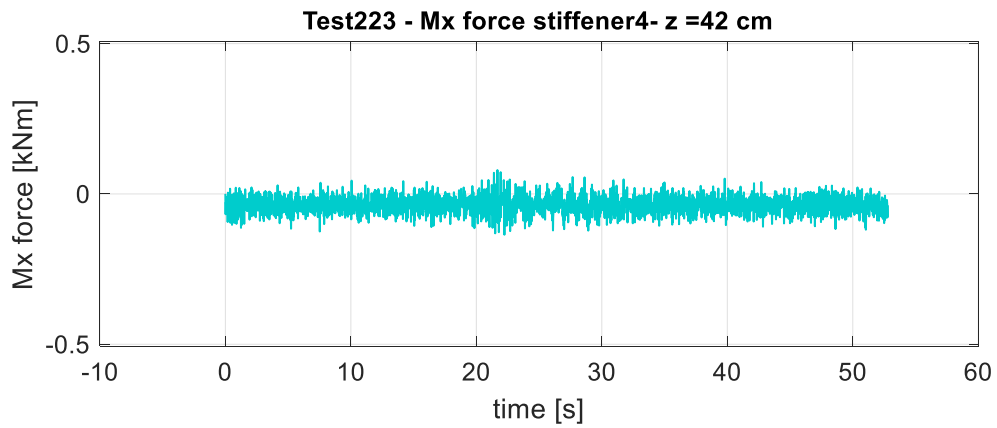
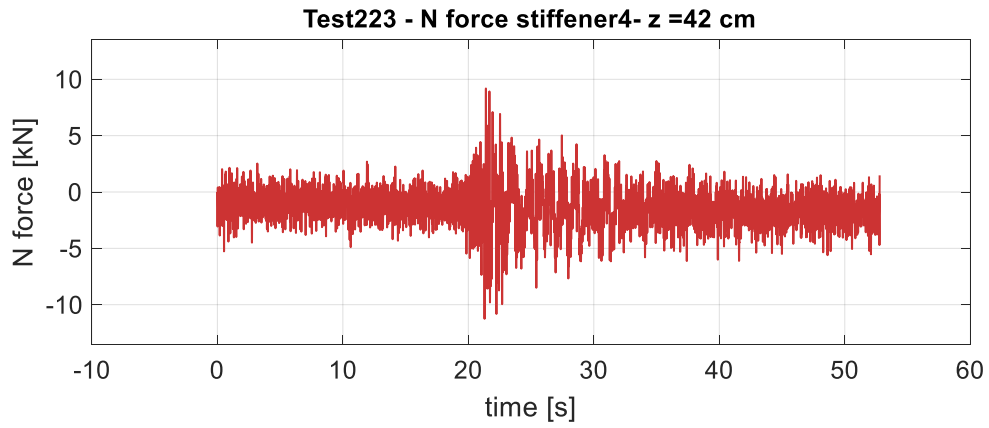


Quota Z = 250 cm: montante 8

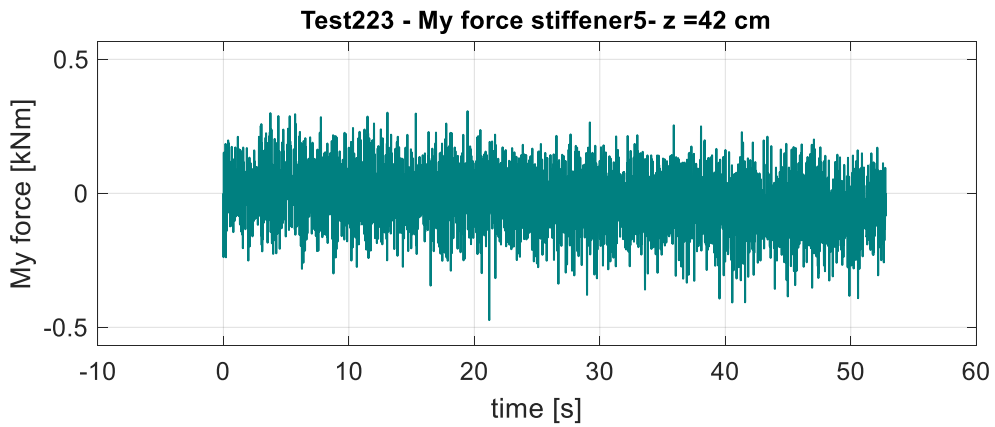
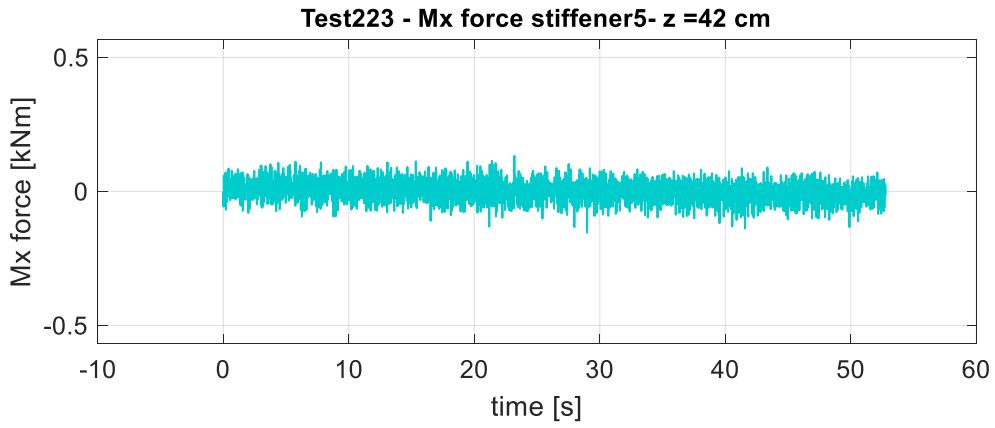


Earthquake input RS3 0.55 g: Test 223

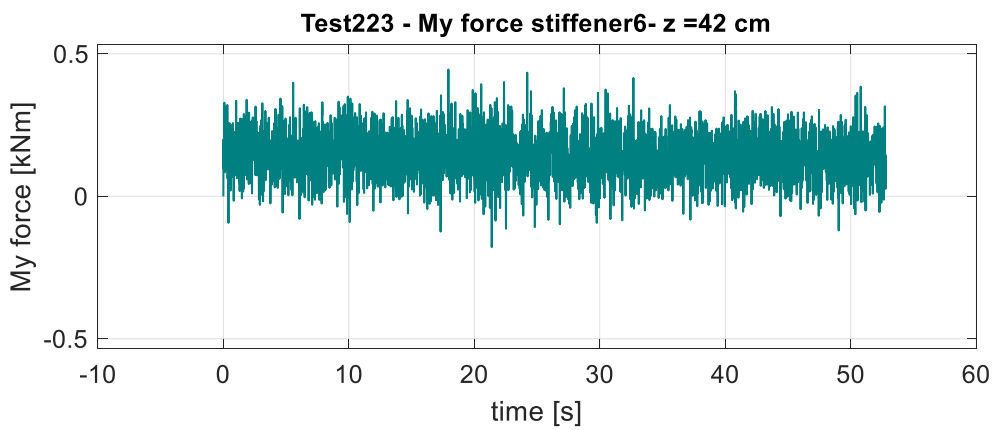
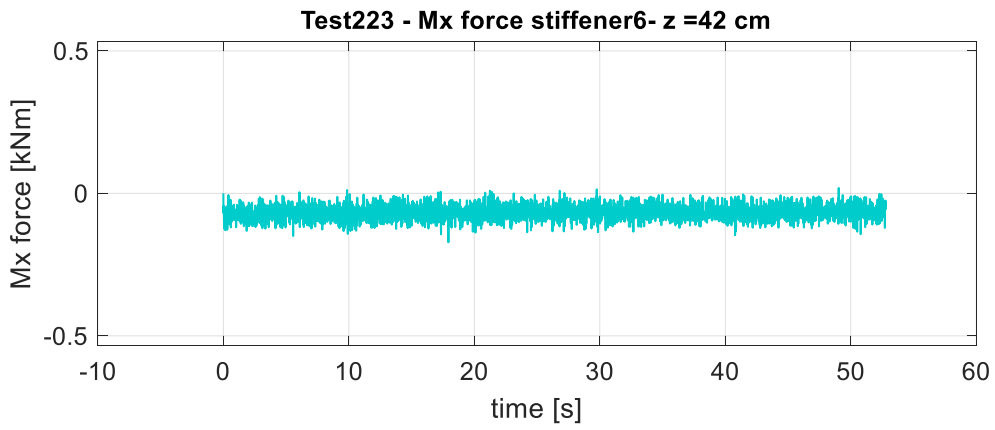
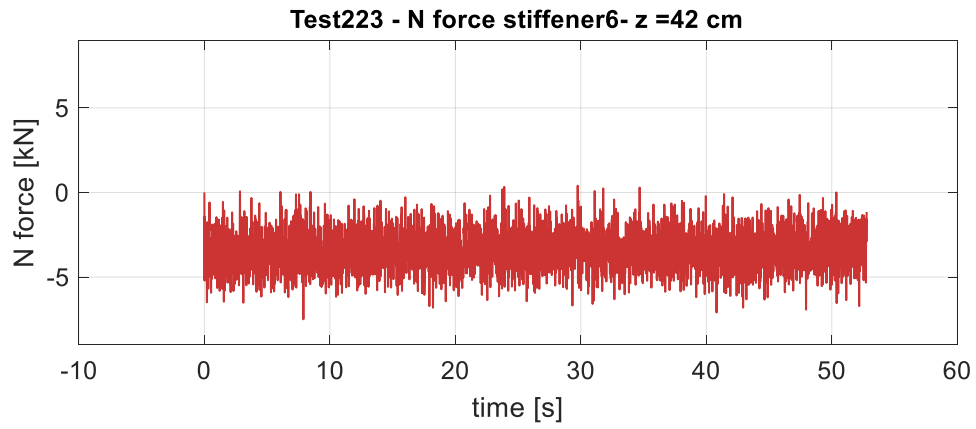
Quota Z = 42 cm: montante 4



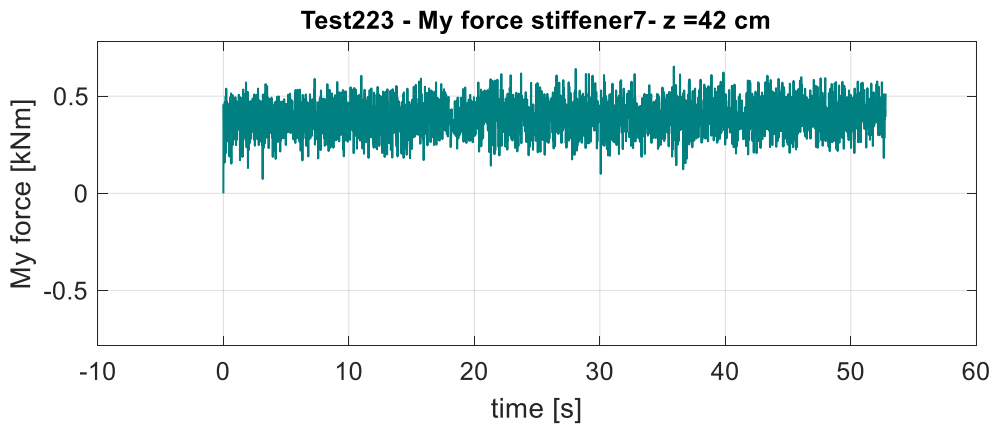
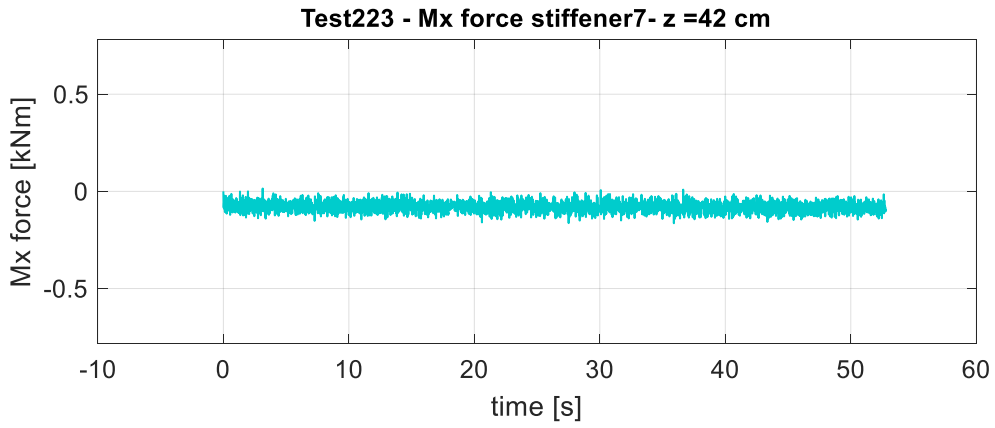
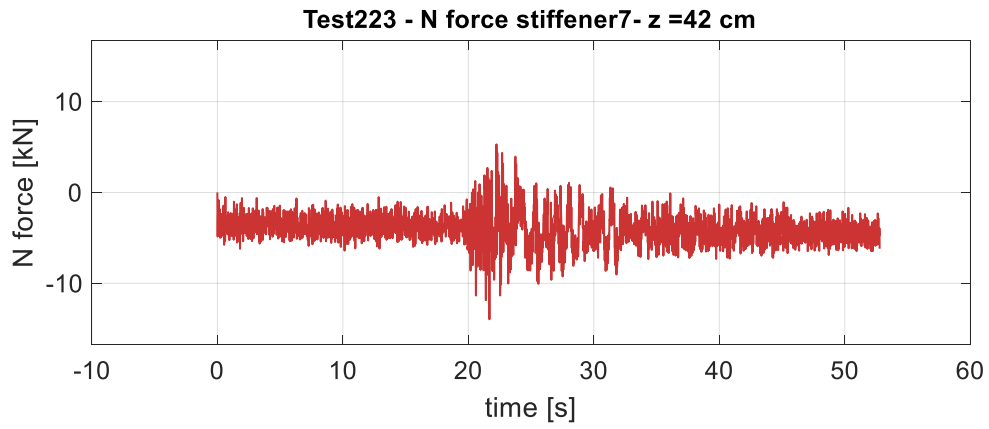
Quota Z = 42 cm: montante 5



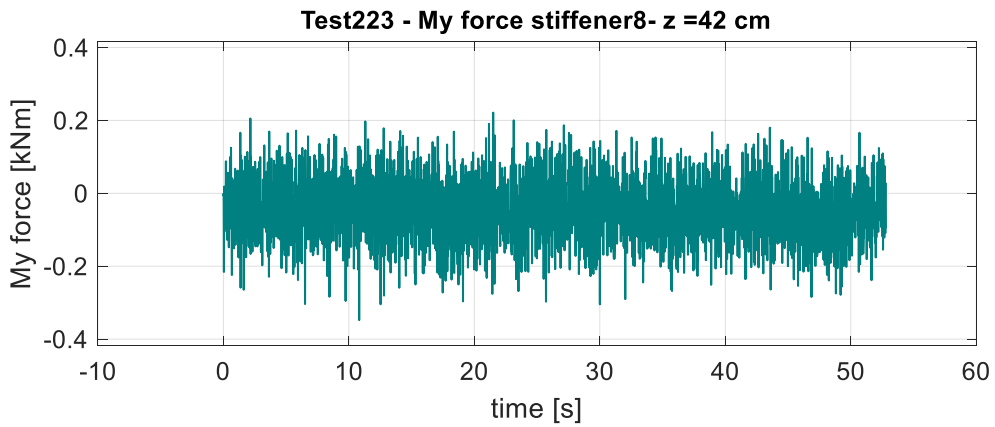
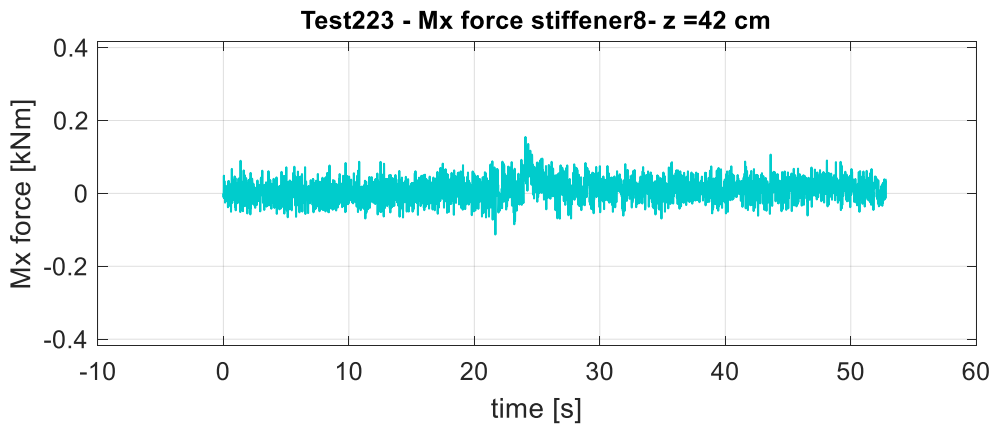
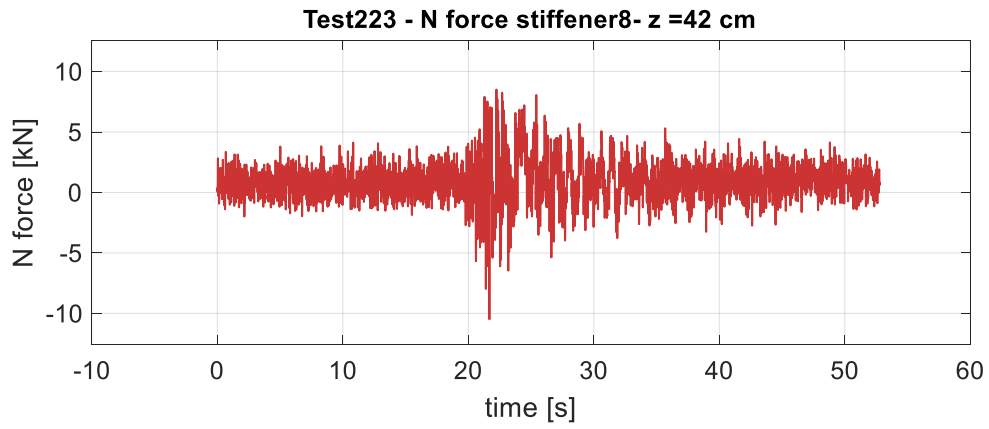
Quota Z = 42 cm: montante 6



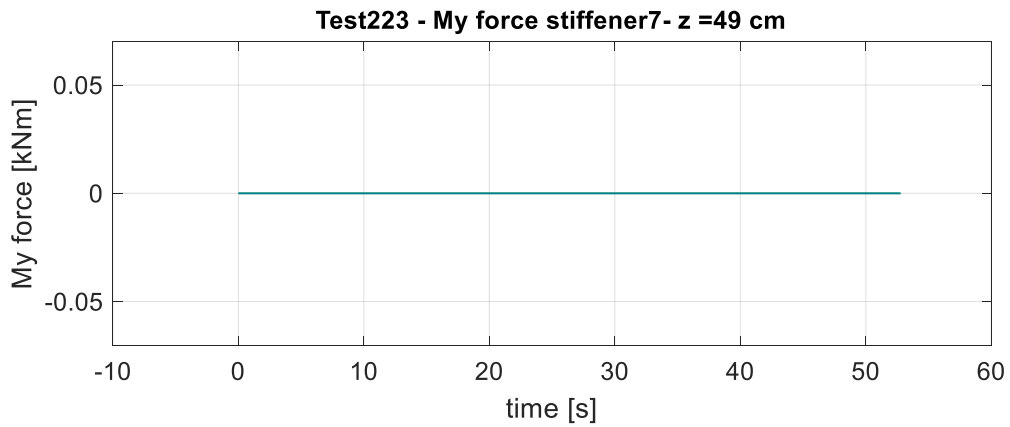
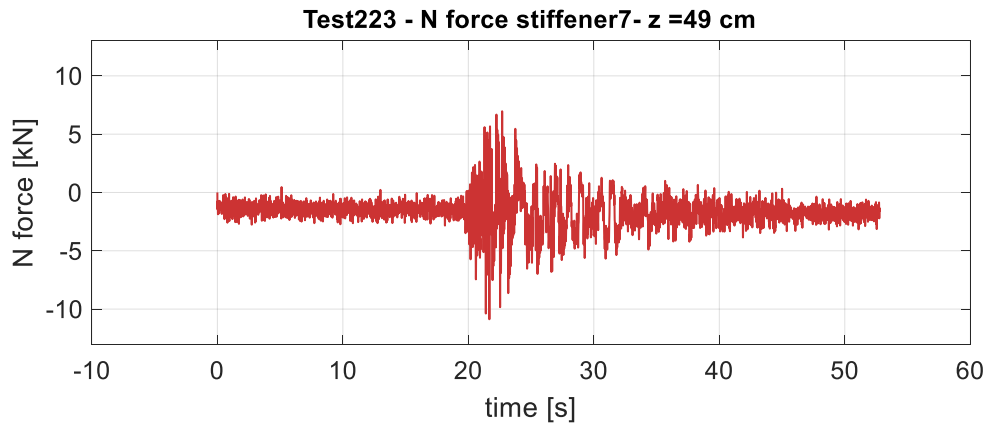
Quota Z = 42 cm: montante 7



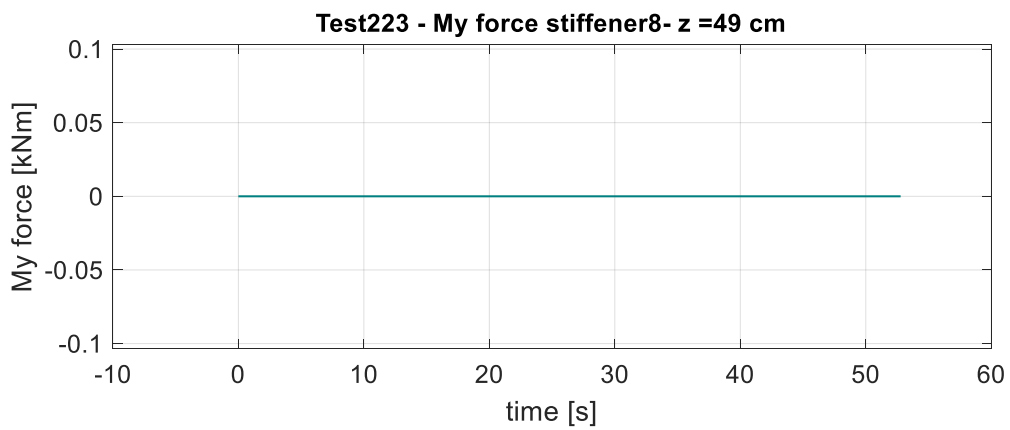
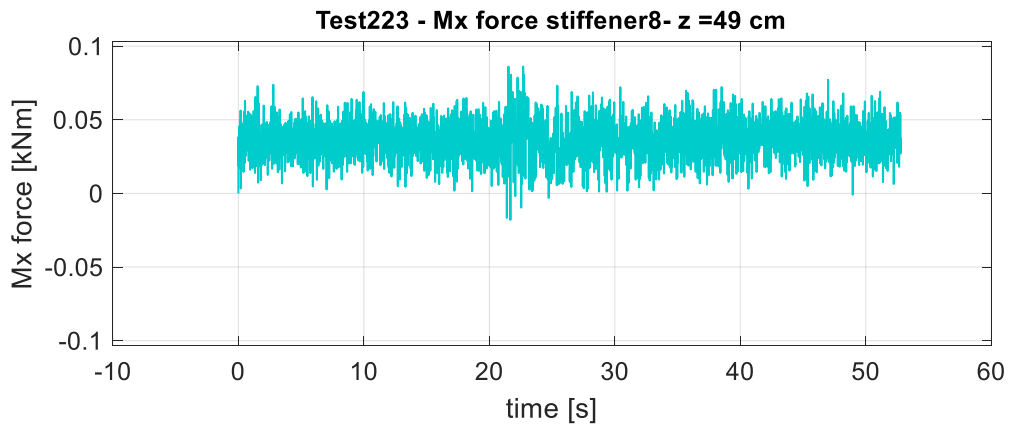
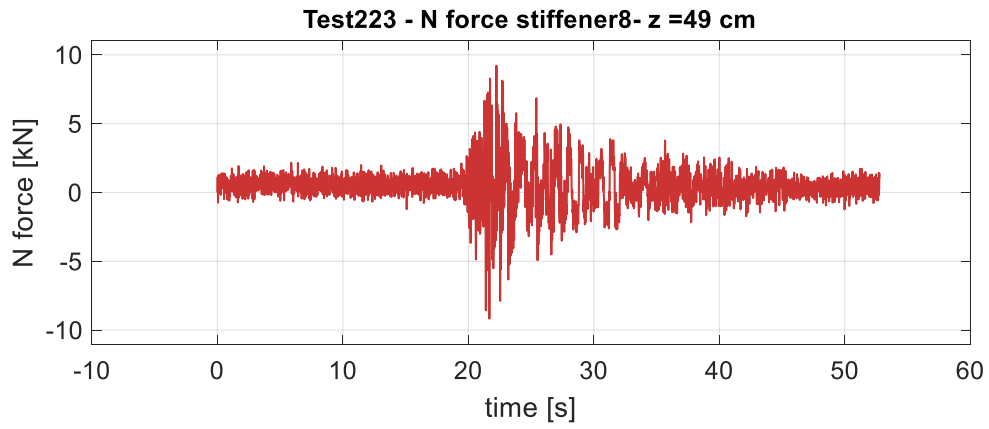
Quota Z = 42 cm: montante 8



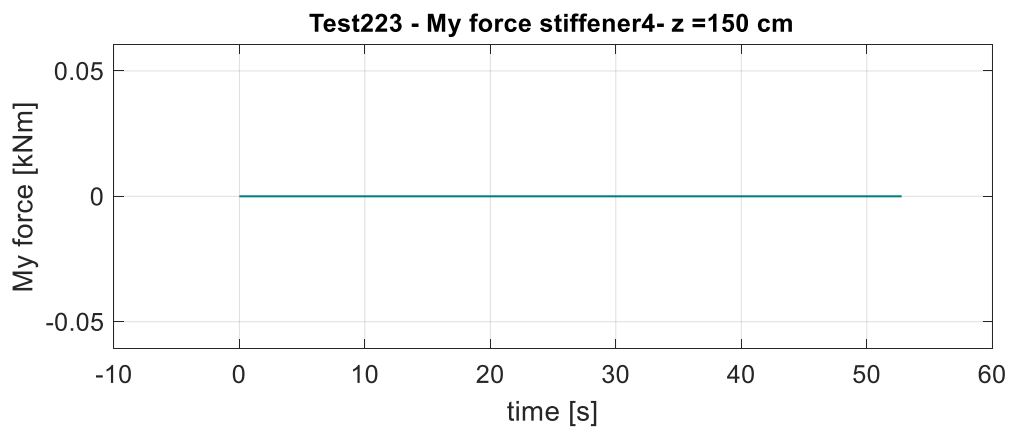
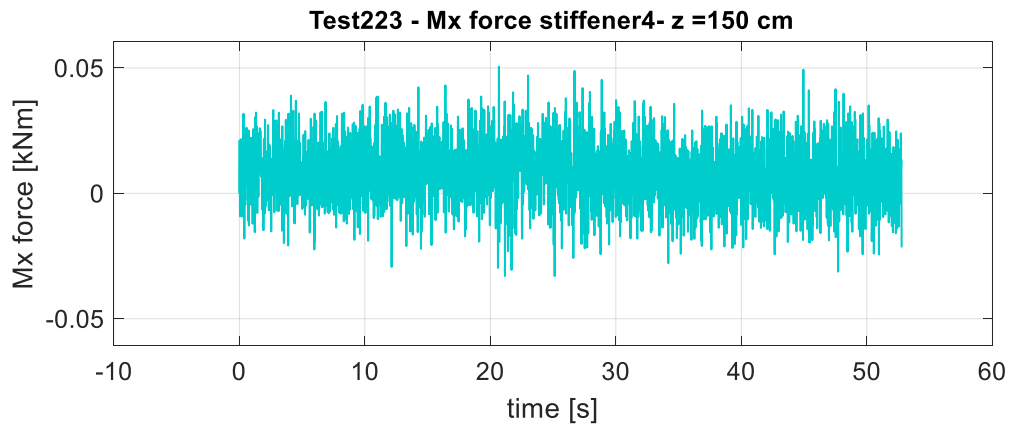
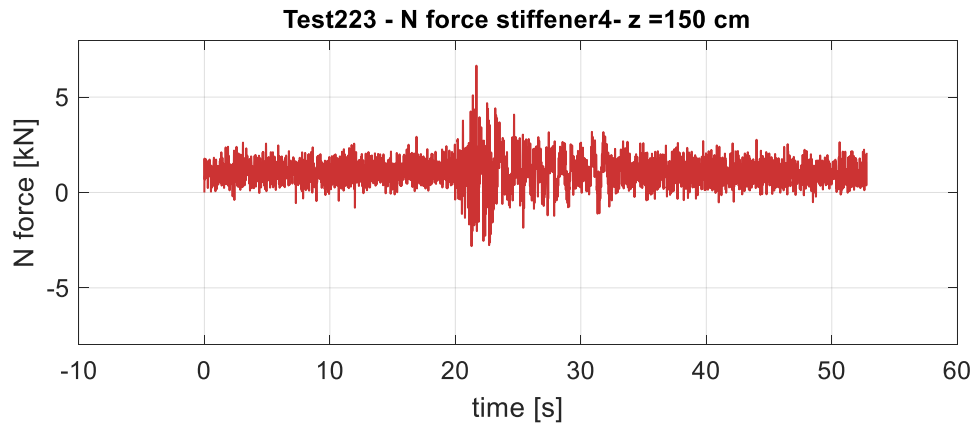
Quota Z = 49 cm: montante 7



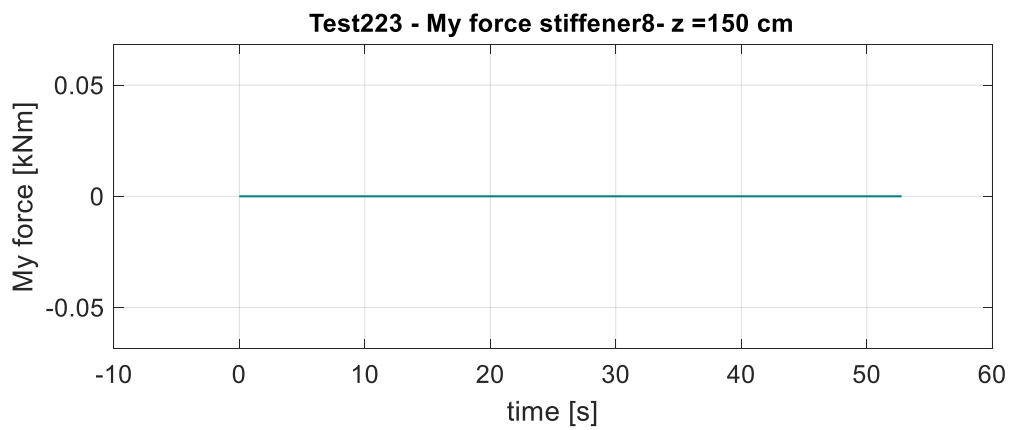
Quota Z = 49 cm: montante 8



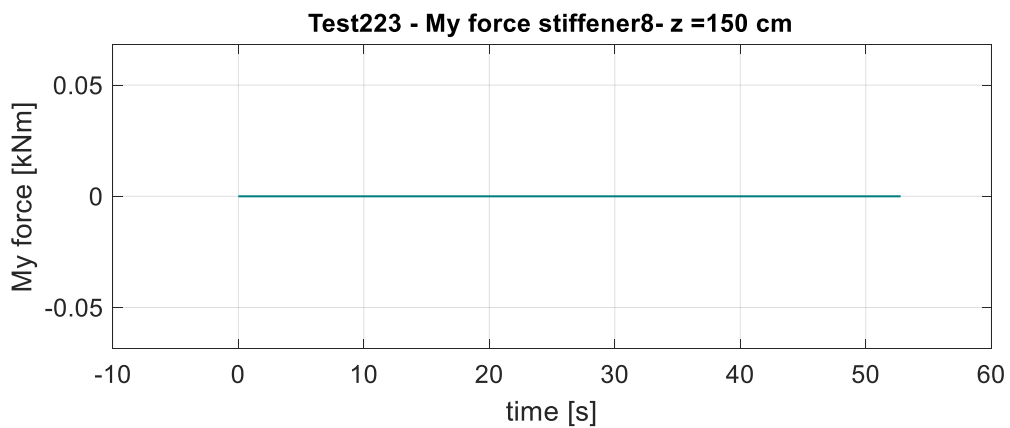
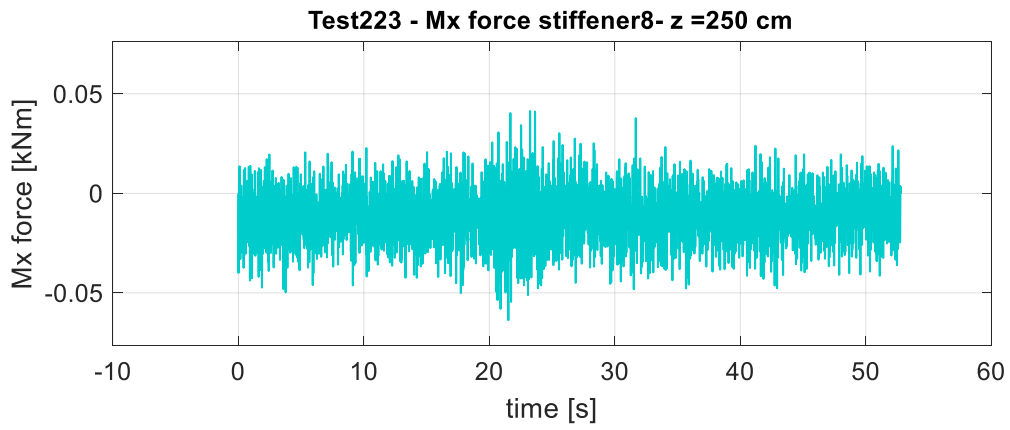
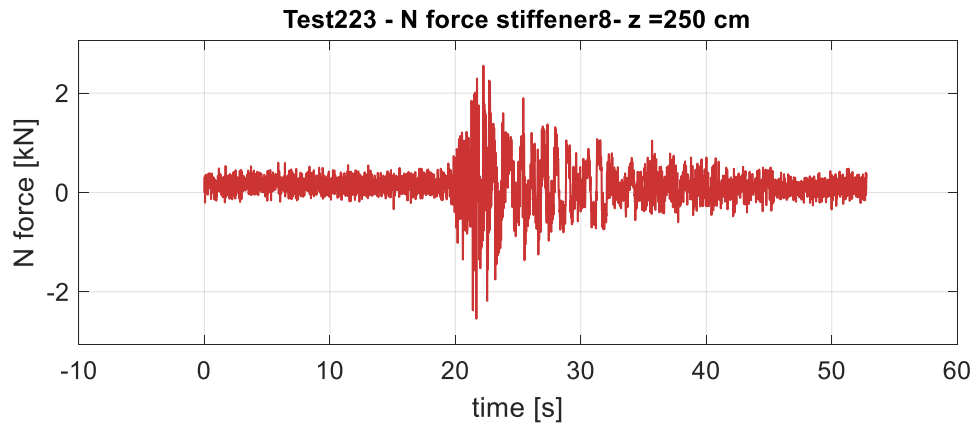
Quota Z = 150 cm: montante 4



Quota Z = 150 cm: montante 8

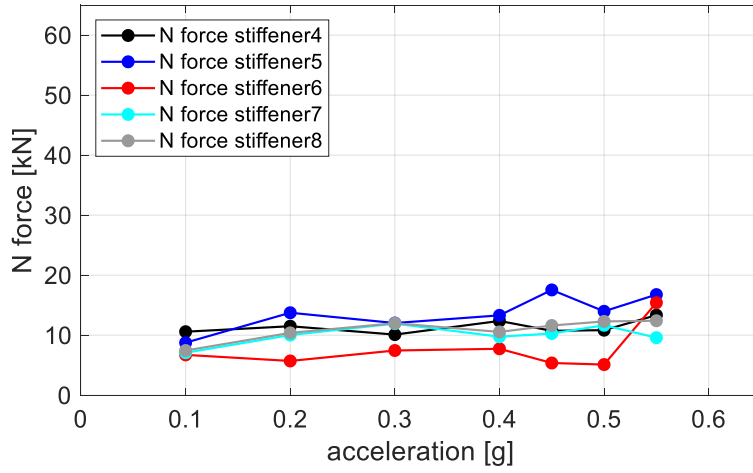


Quota Z = 250 cm: montante 8

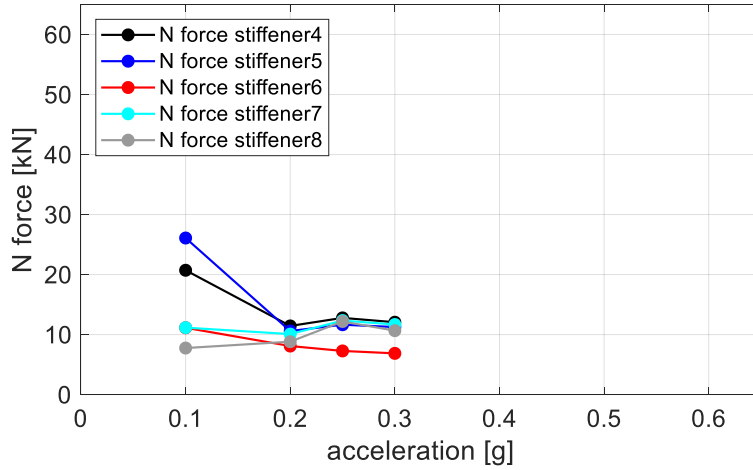


Quota Z = 42 cm

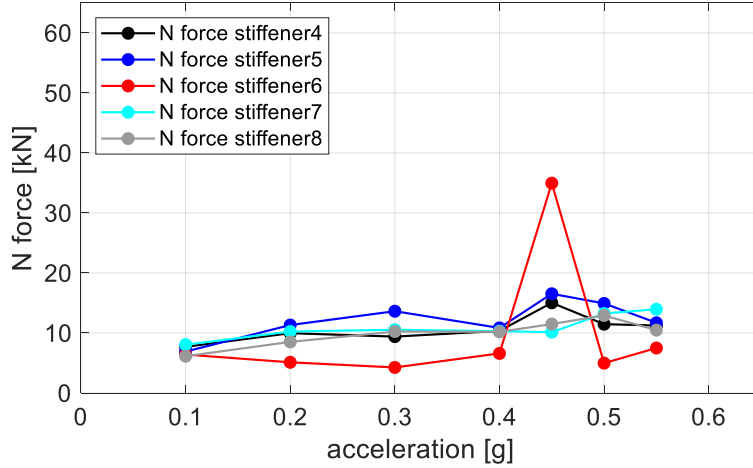
earthquake input (a1)
N force z42 trend with acceleration
Isolated configuration (compT)



earthquake input (rs1)
N force z42 trend with acceleration
Isolated configuration (compT)

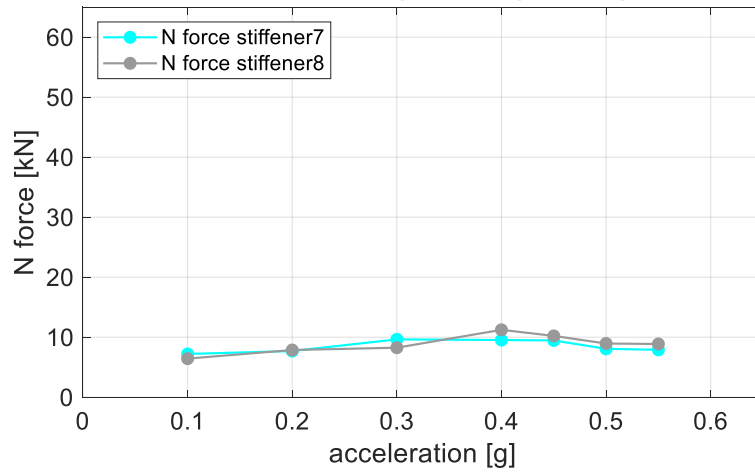


earthquake input (rs3)
N force z42 trend with acceleration
Isolated configuration (compT)

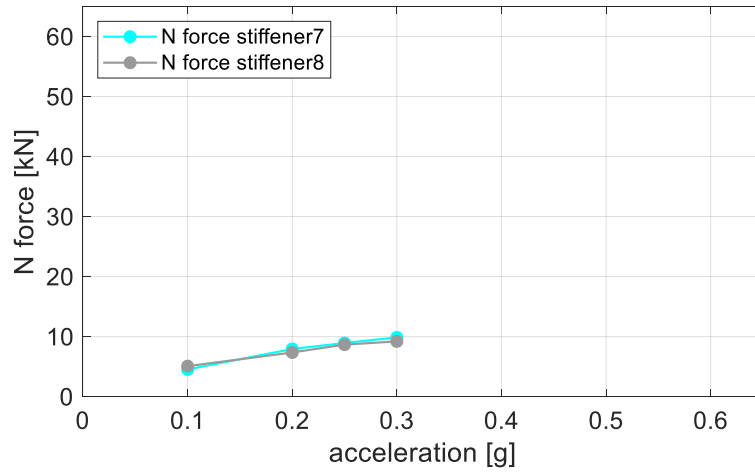


Quota Z = 49 cm

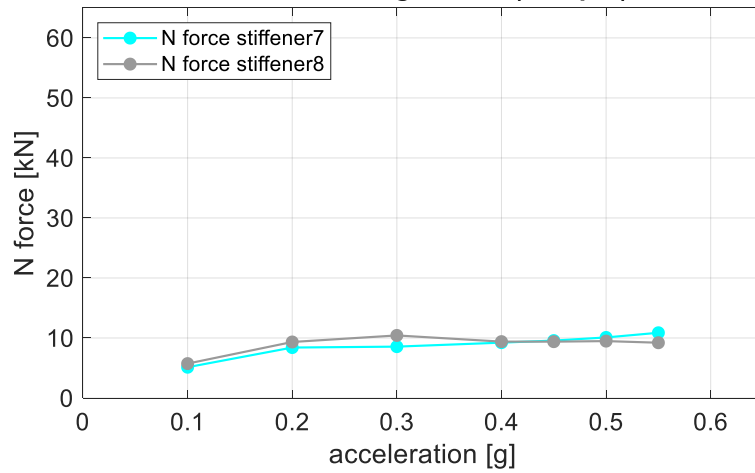
earthquake input (a1)
N force z49 trend with acceleration
Isolated configuration (compT)



earthquake input (rs1)
N force z49 trend with acceleration
Isolated configuration (compT)

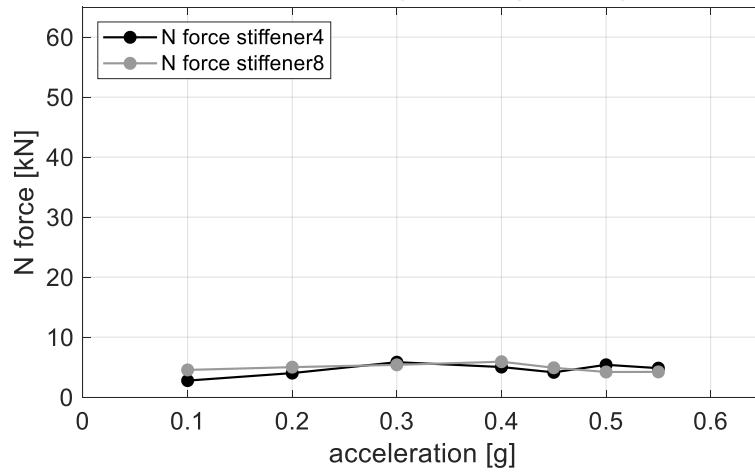


earthquake input (rs3)
N force z49 trend with acceleration
Isolated configuration (compT)

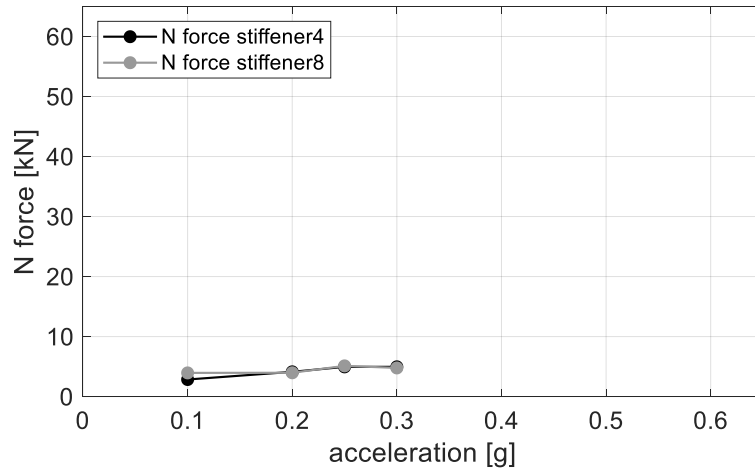


Quota Z = 150 cm

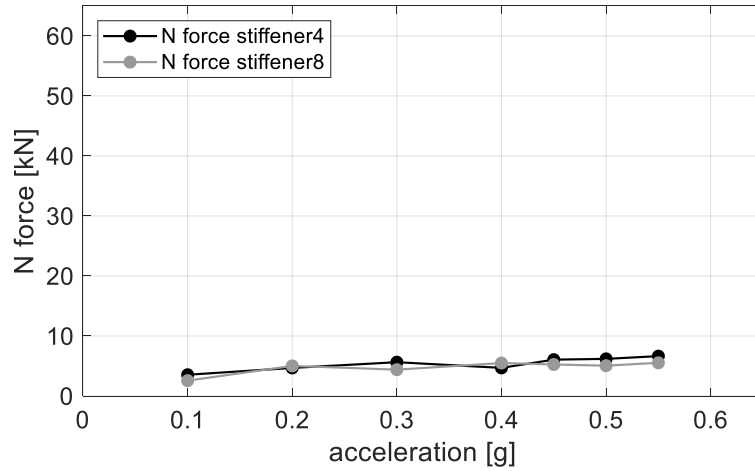
earthquake input (a1)
N force z150 trend with acceleration
Isolated configuration (compT)



earthquake input (rs1)
N force z150 trend with acceleration
Isolated configuration (compT)

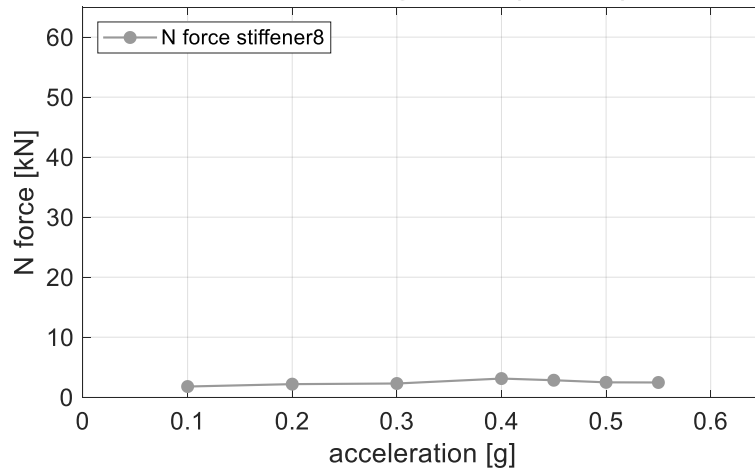


earthquake input (rs3)
N force z150 trend with acceleration
Isolated configuration (compT)

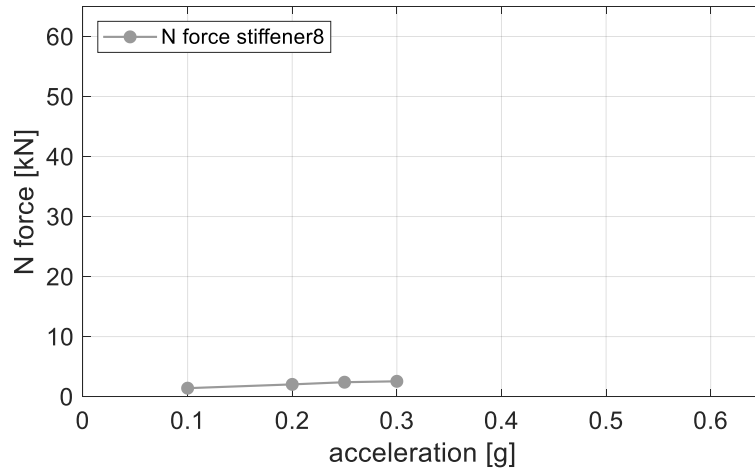


Quota Z = 250 cm

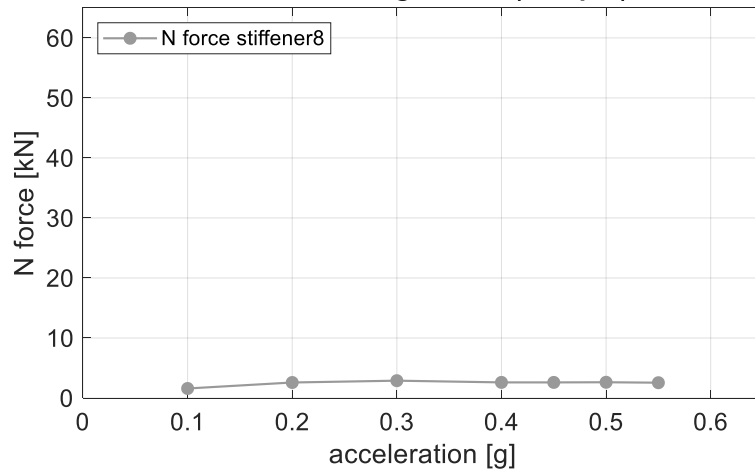
earthquake input (a1)
N force z250 trend with acceleration
Isolated configuration (compT)



earthquake input (rs1)
N force z250 trend with acceleration
Isolated configuration (compT)

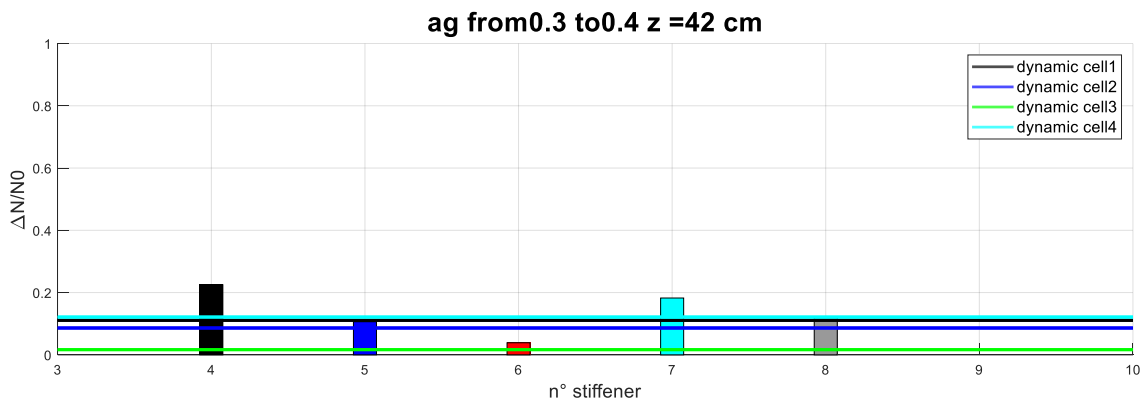
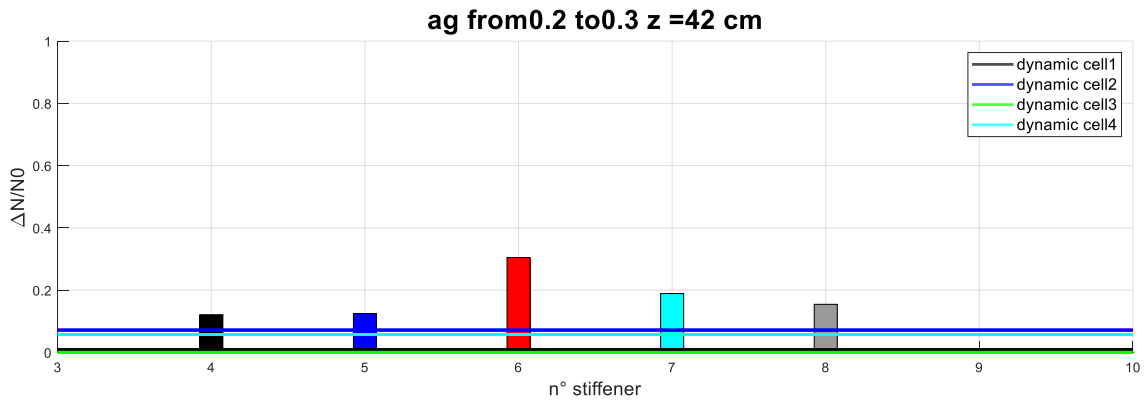
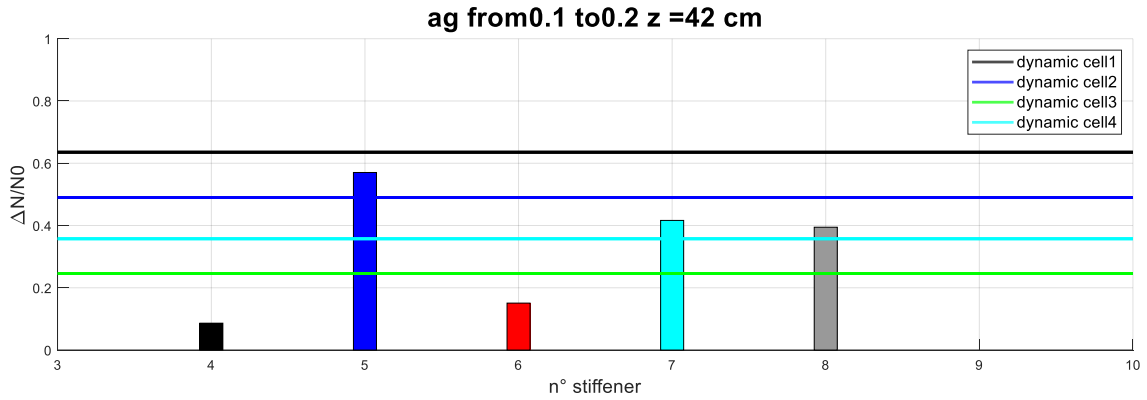


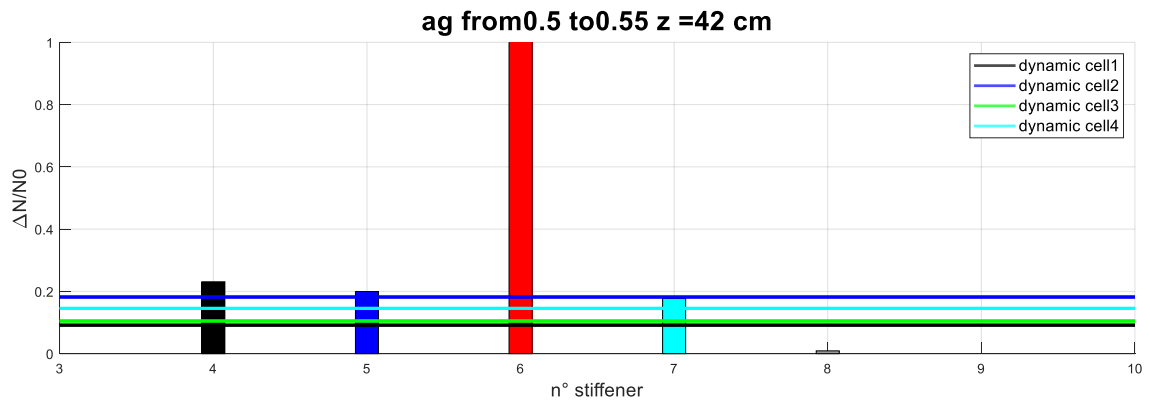
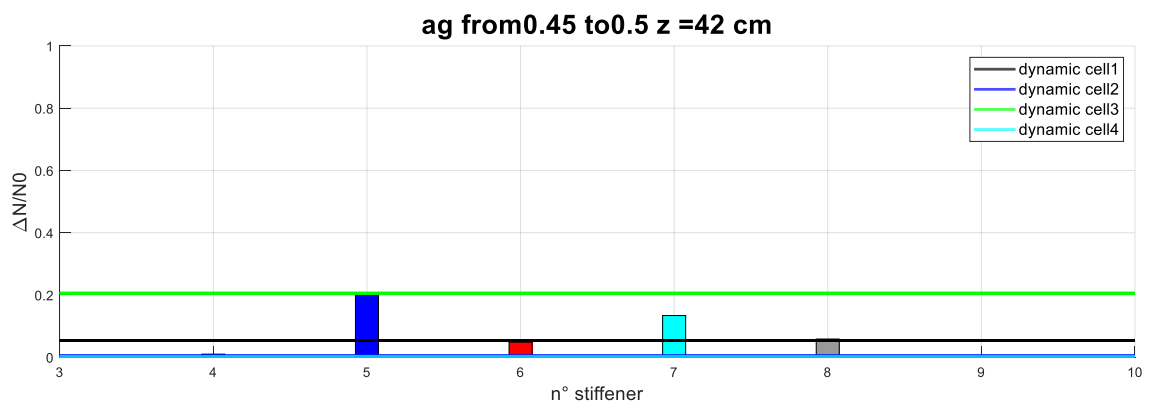
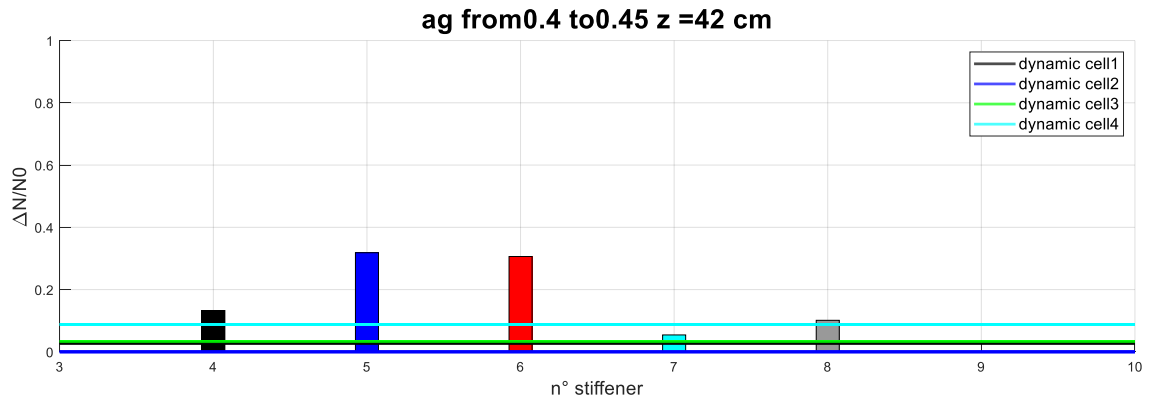
earthquake input (rs3)
N force z250 trend with acceleration
Isolated configuration (compT)



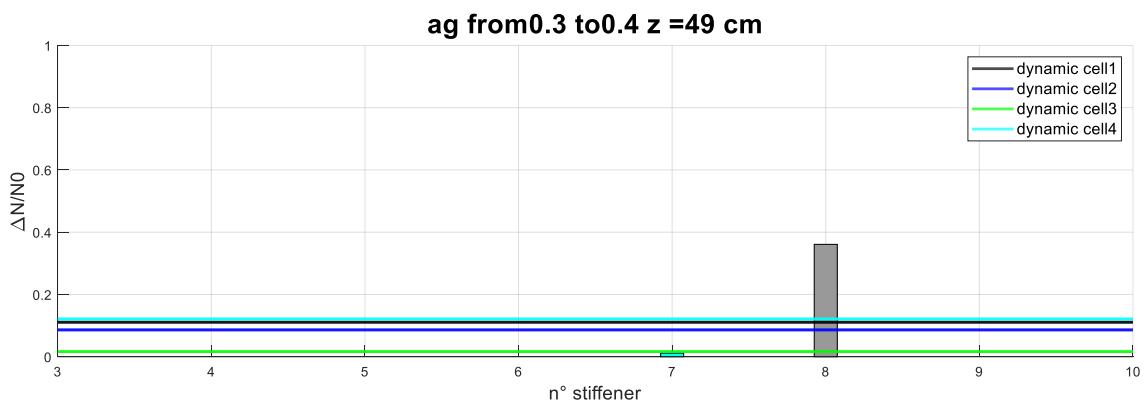
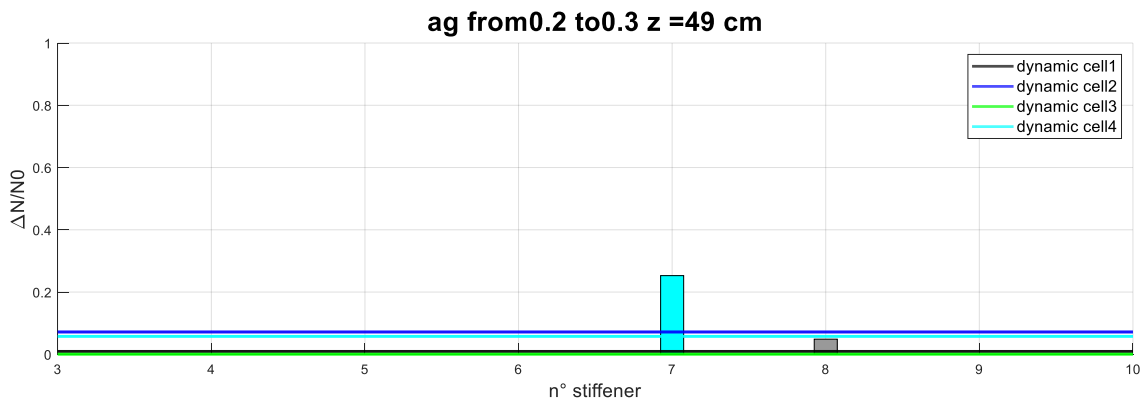
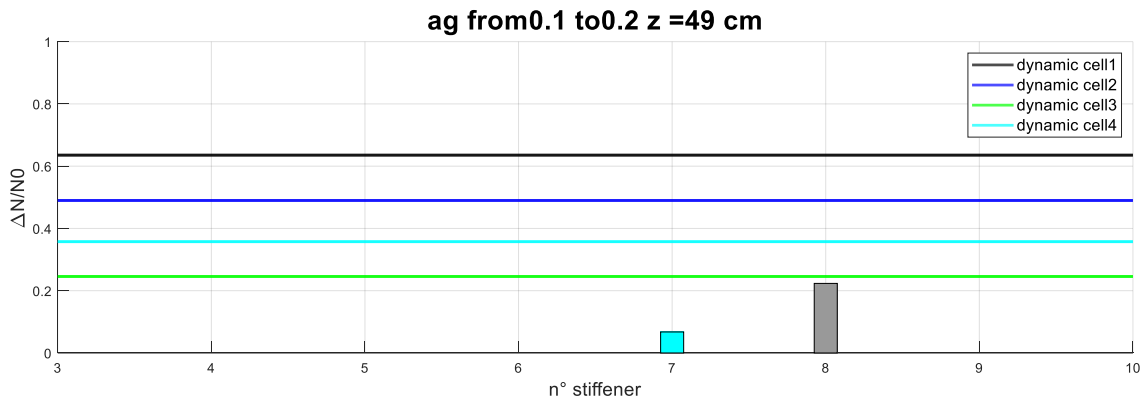
Earthquake input A1

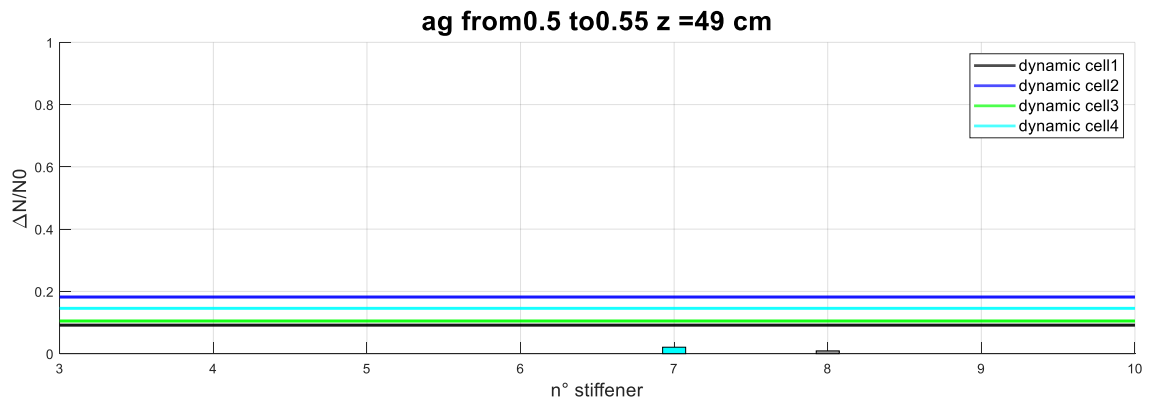
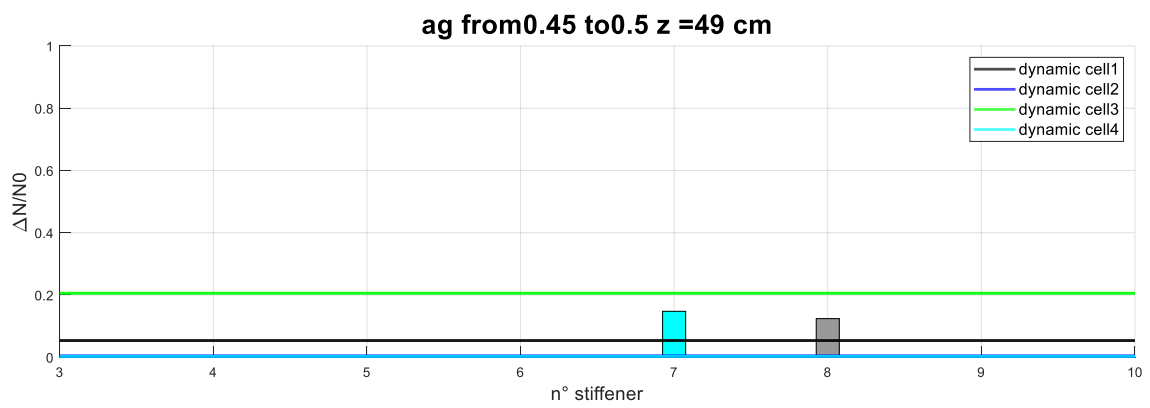
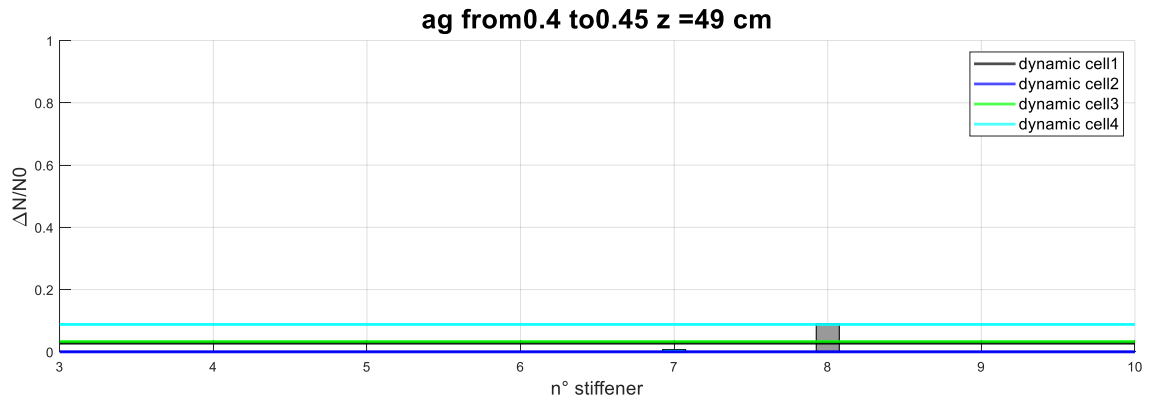
Quota Z = 42 cm



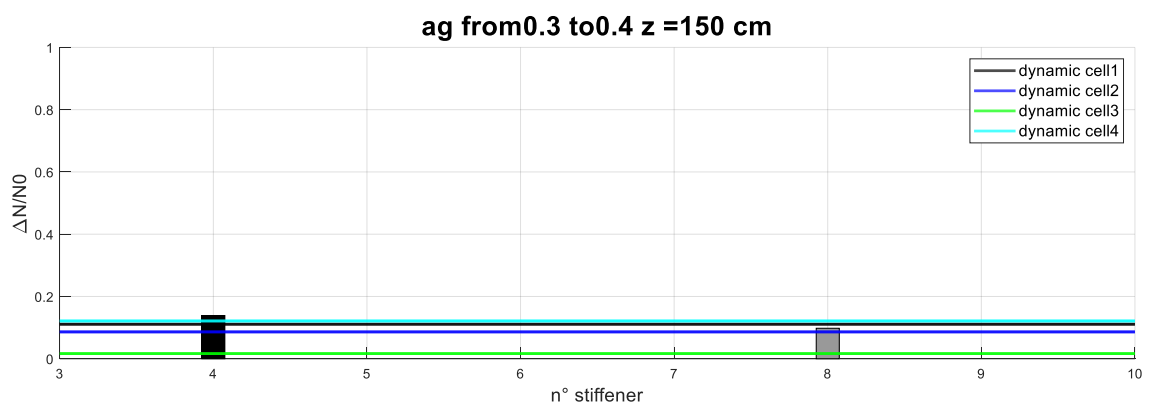
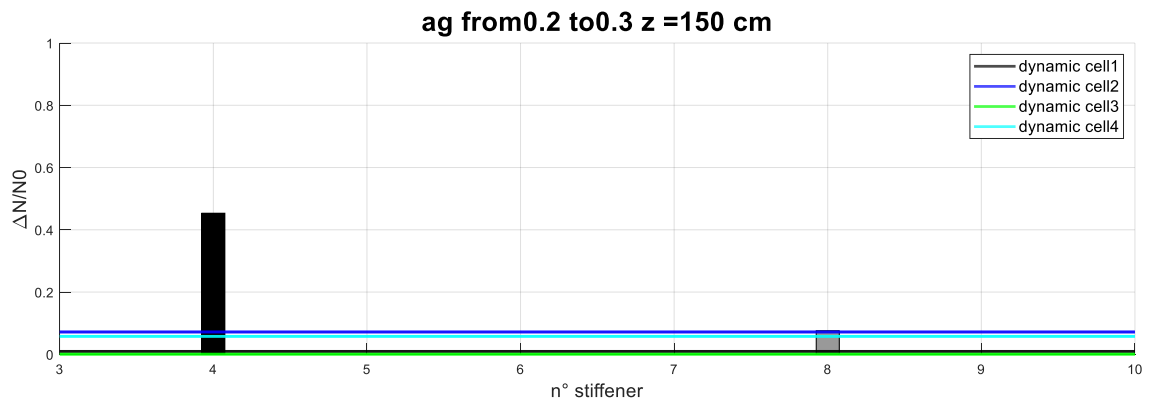
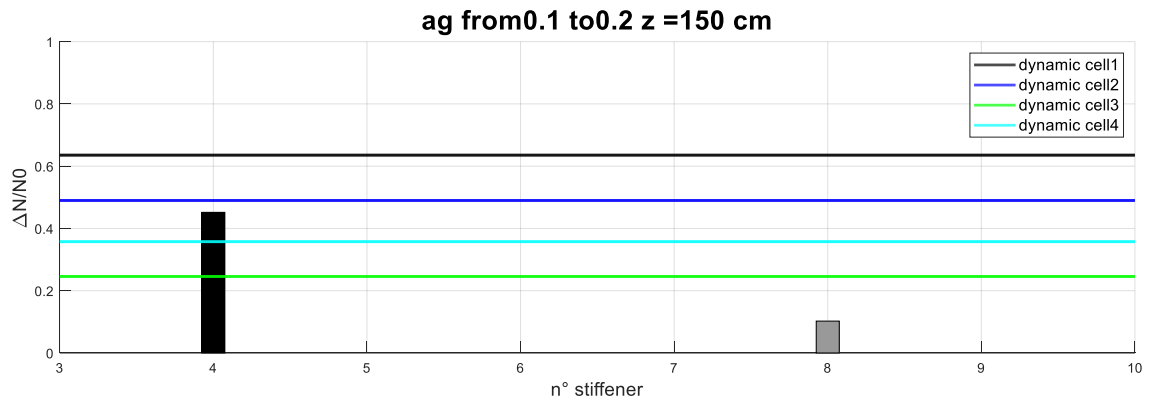


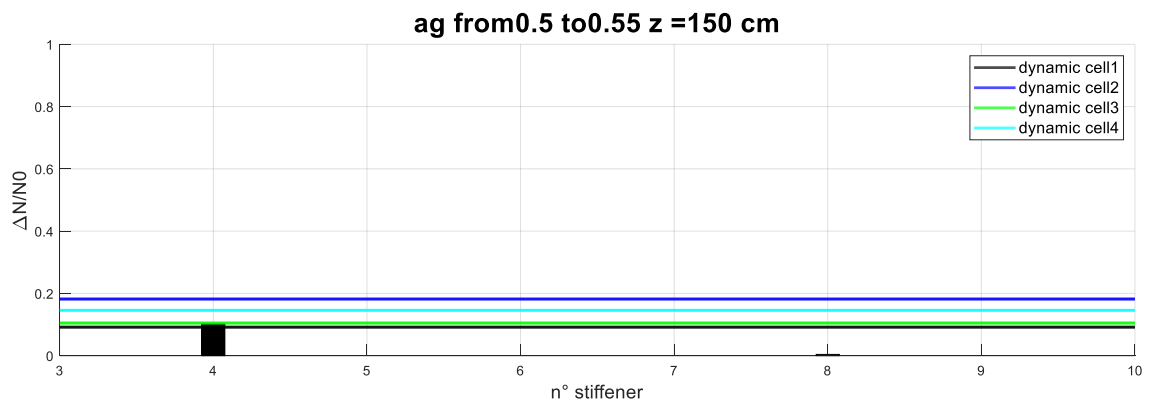
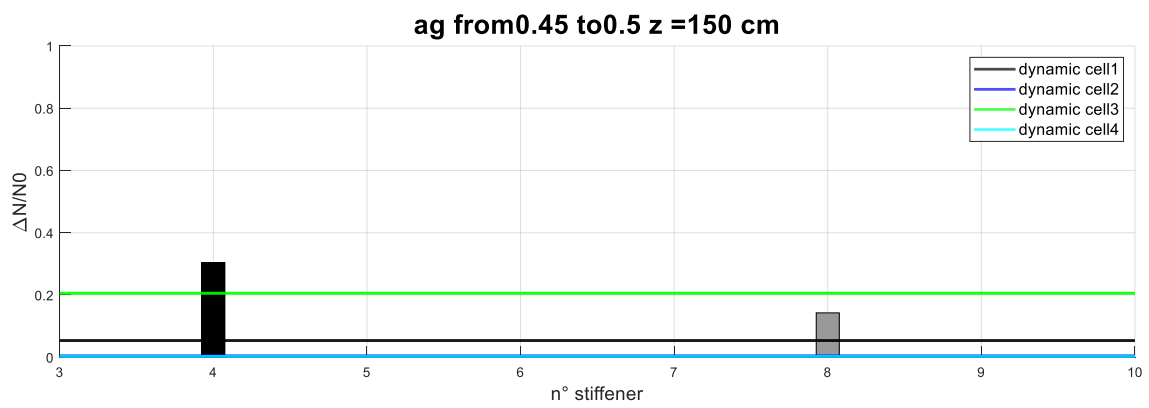
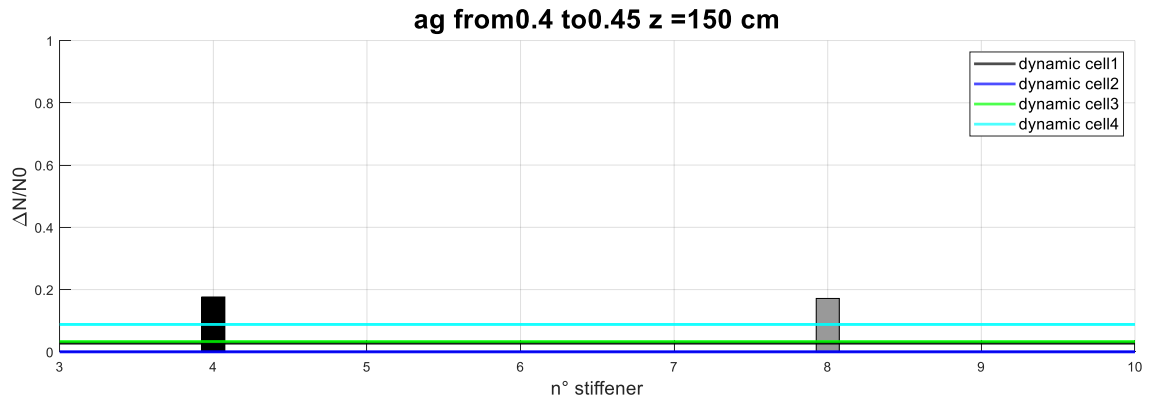
Quota Z = 49 cm



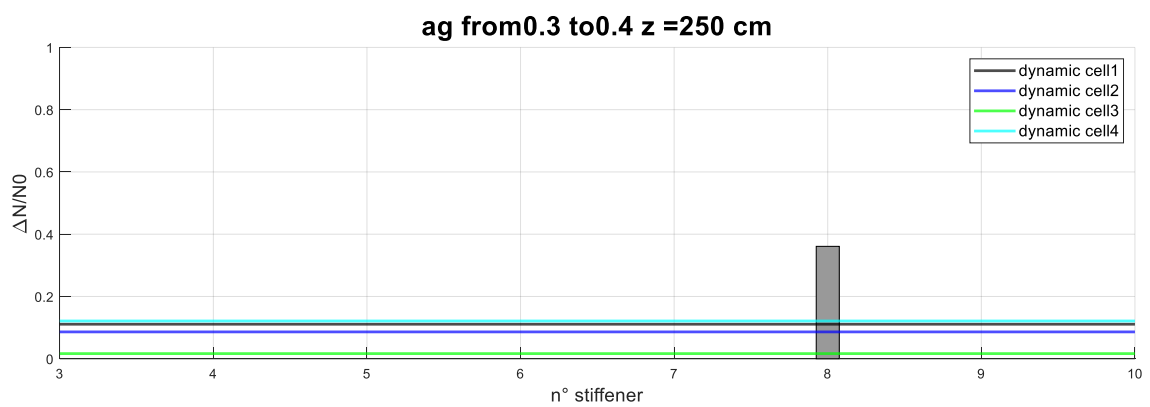
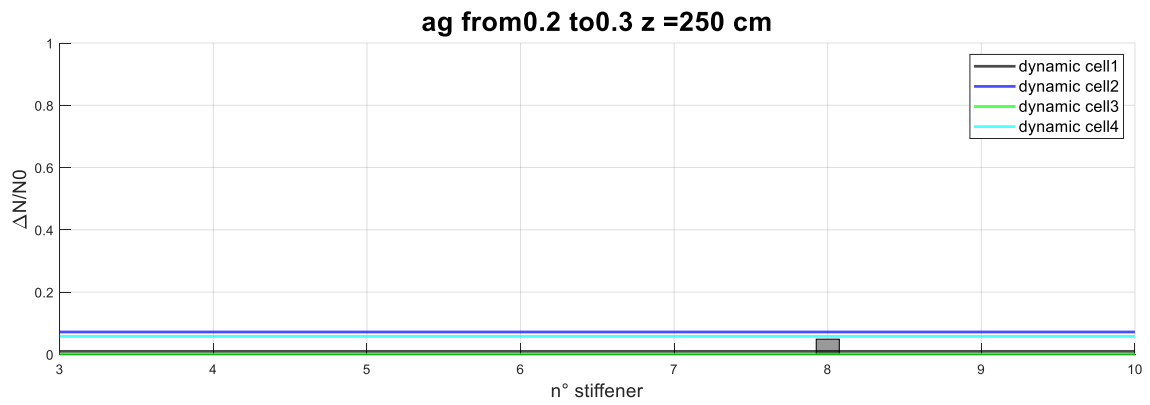
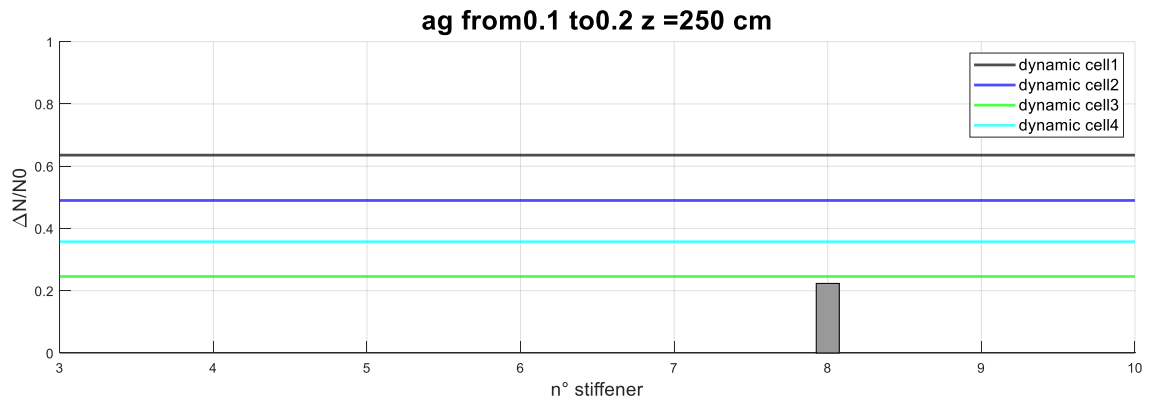


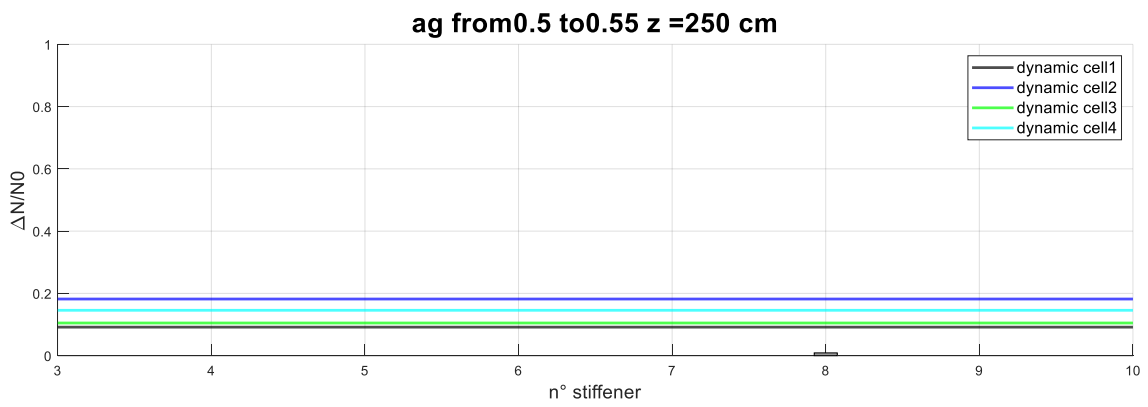
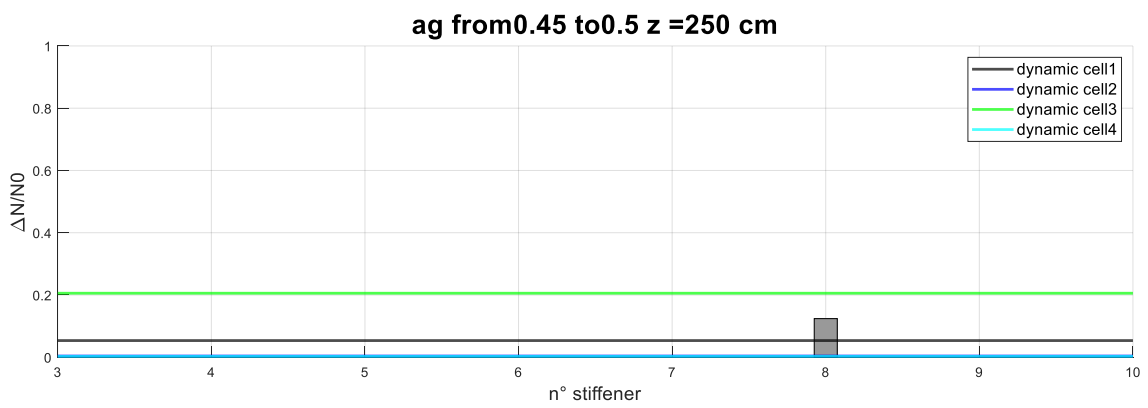
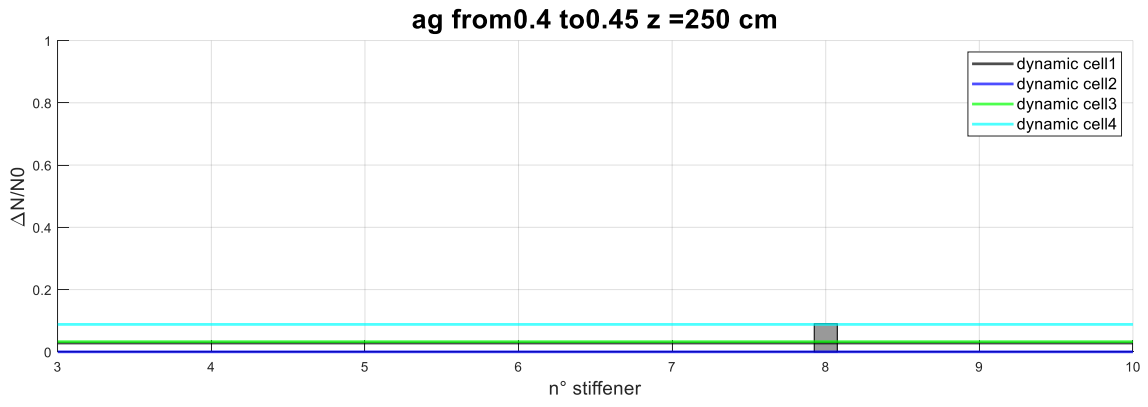
Quota Z = 150 cm





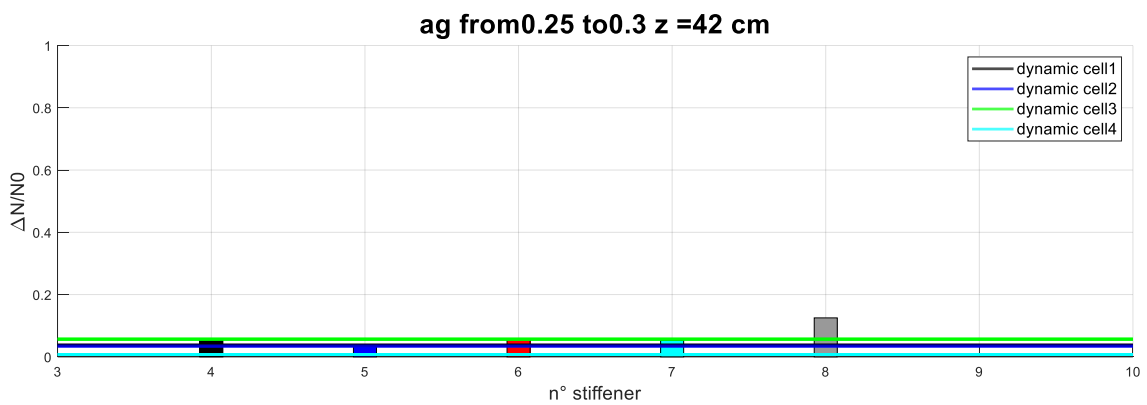
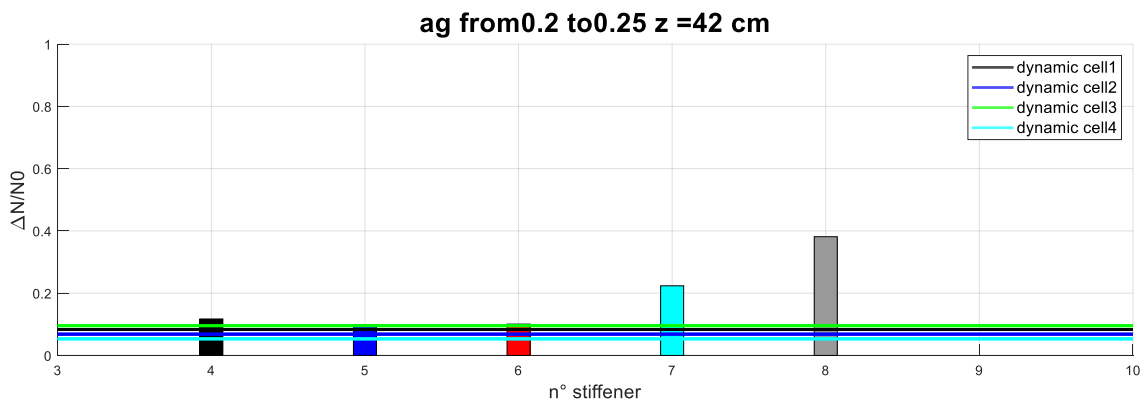
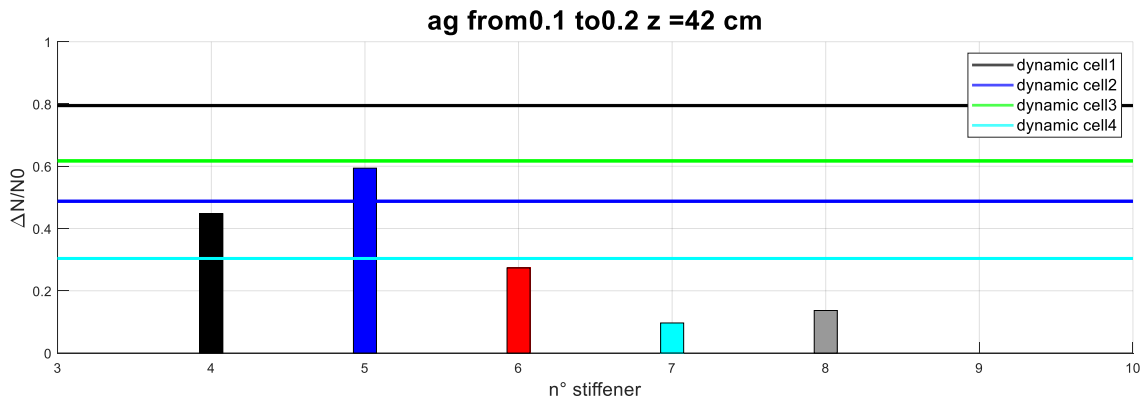
Quota Z = 250 cm



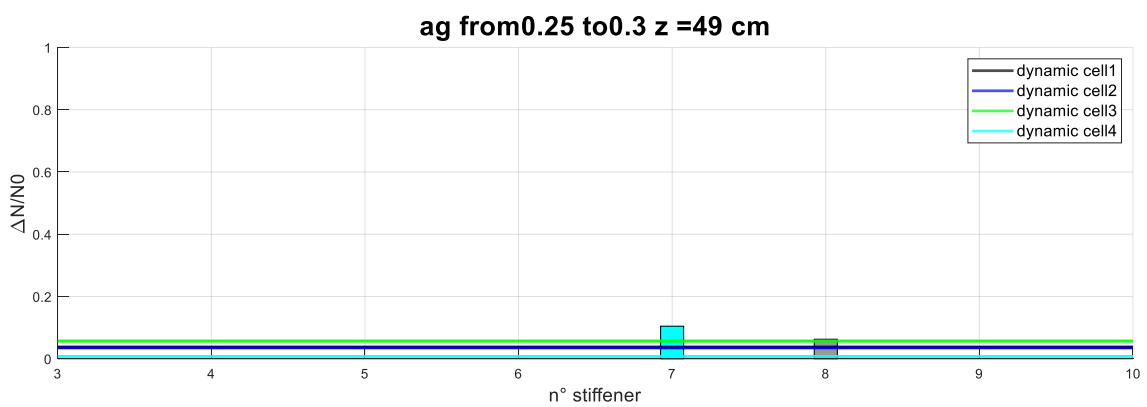
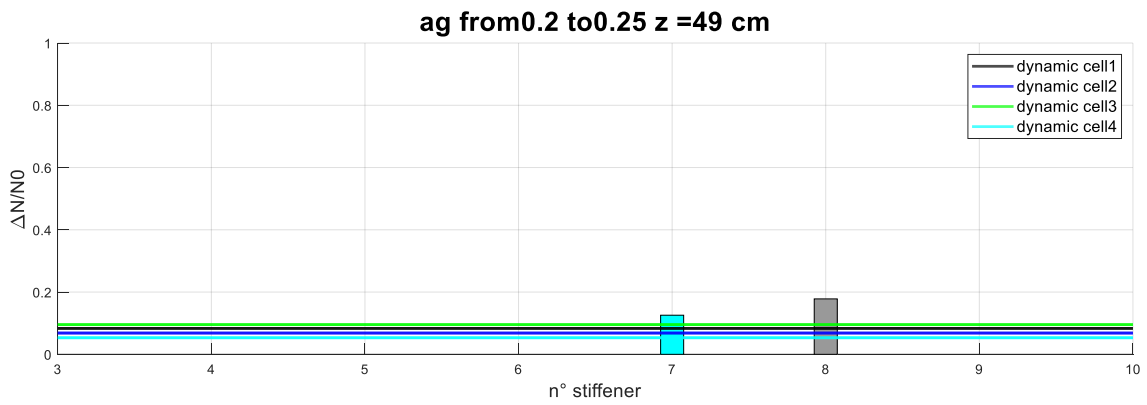
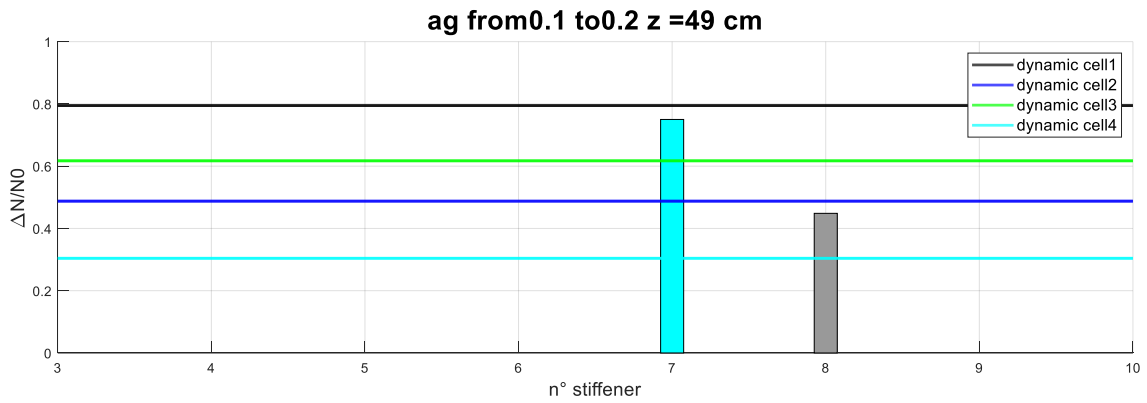


Earthquake input RS1

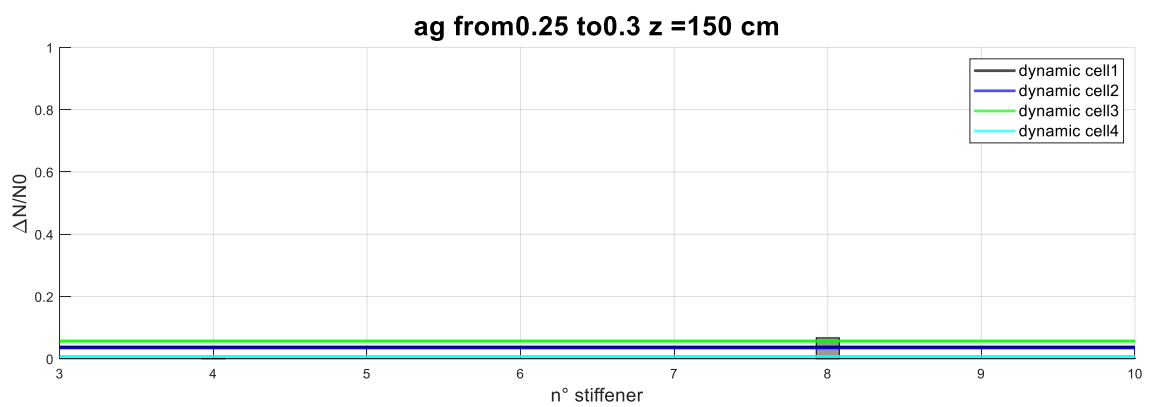
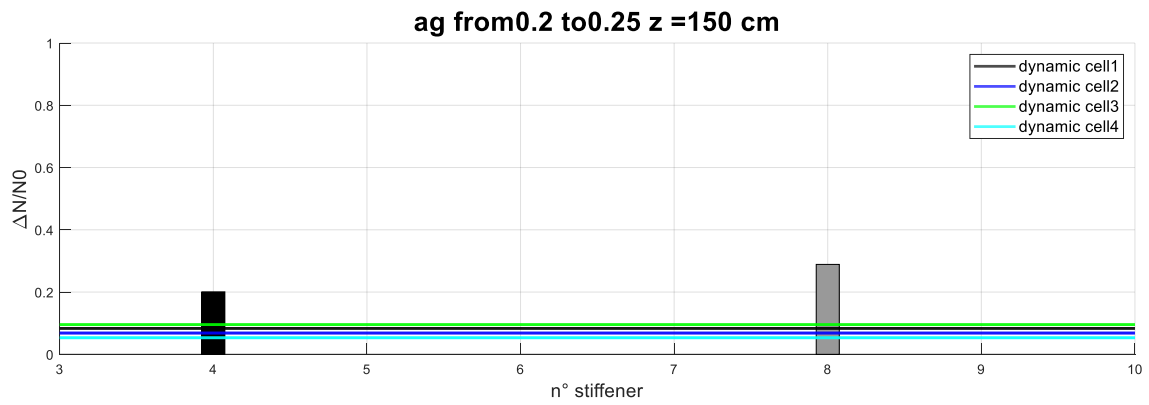
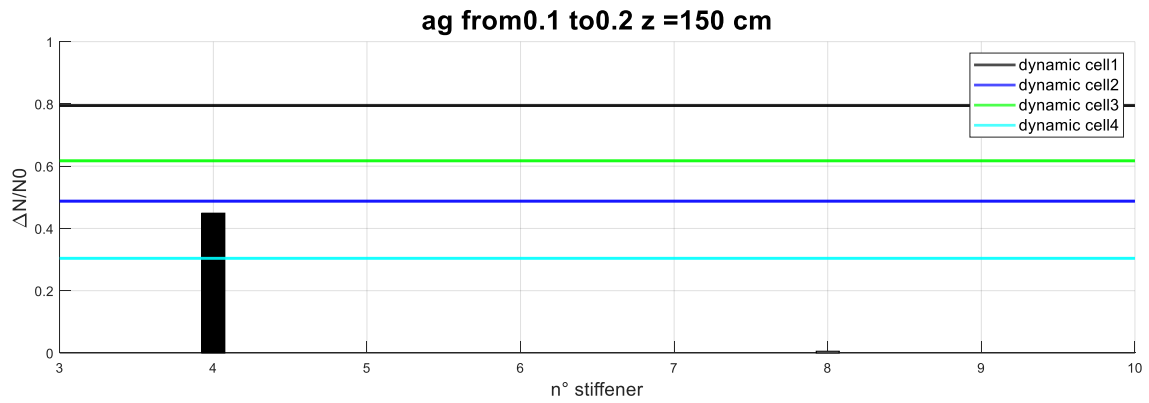
Quota Z = 42 cm



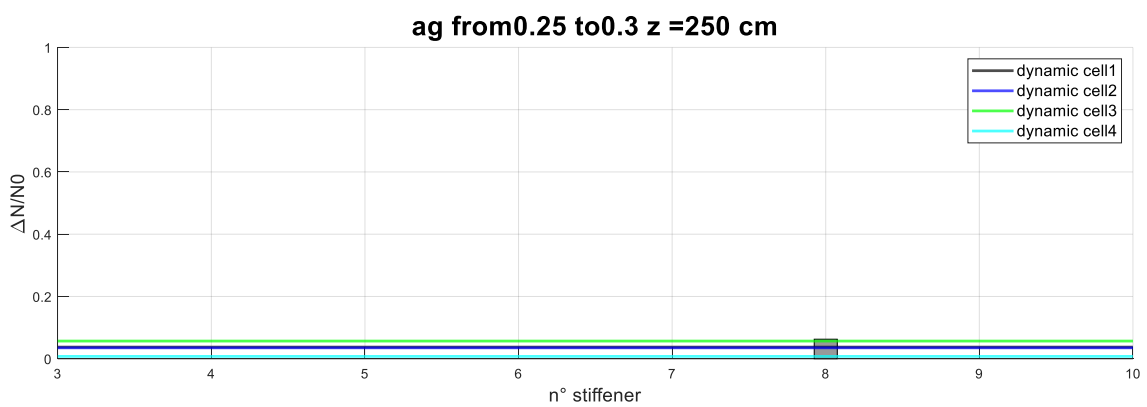
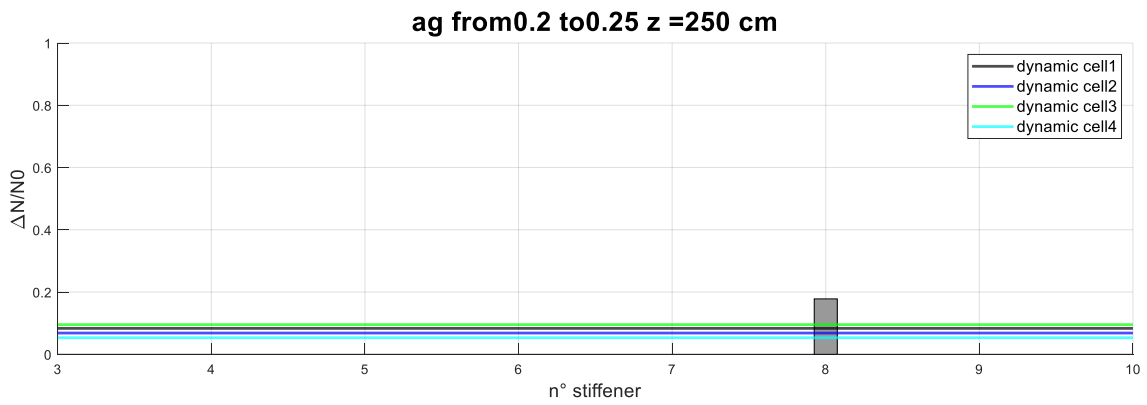
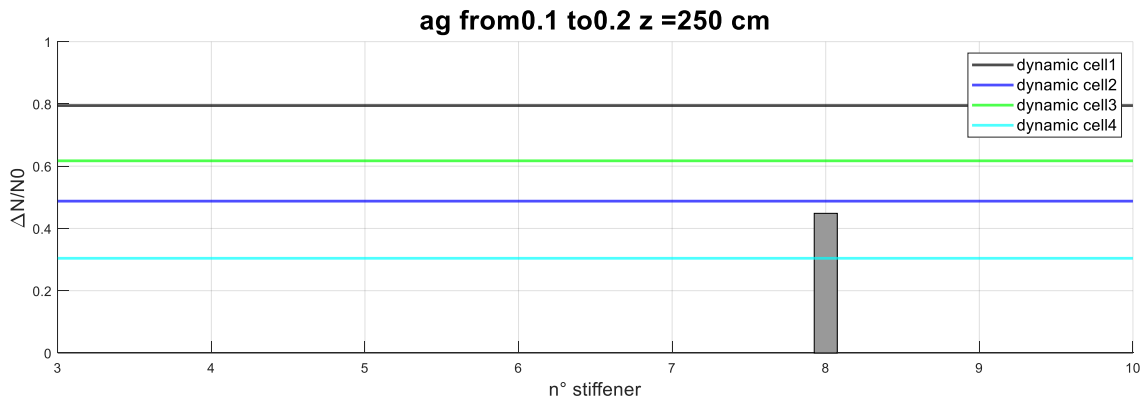
Quota Z = 49 cm



Quota Z = 150 cm

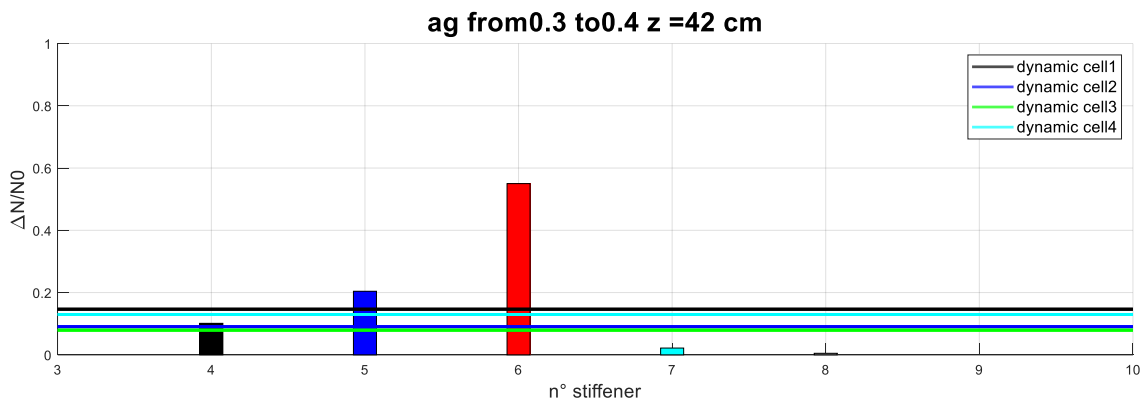
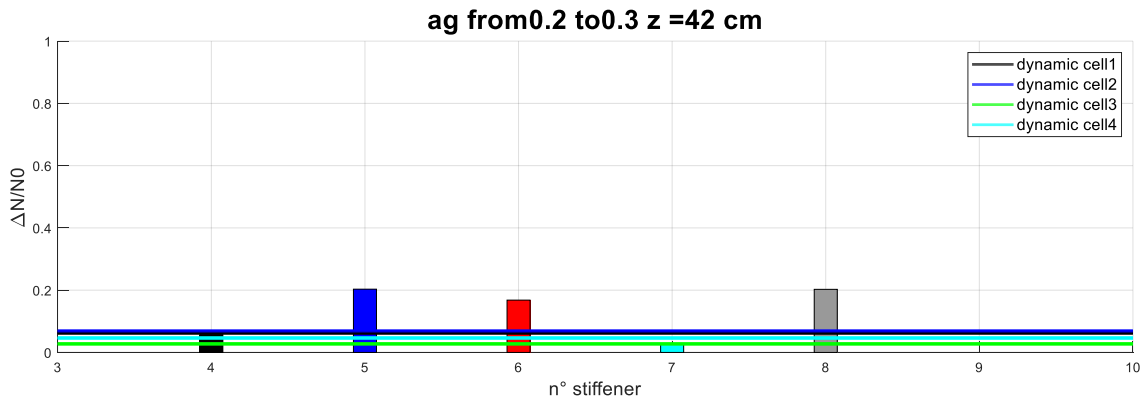
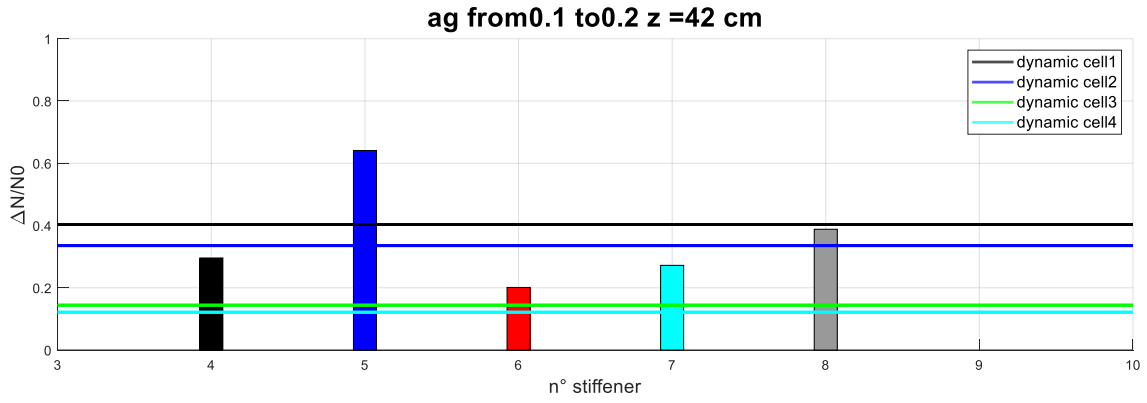


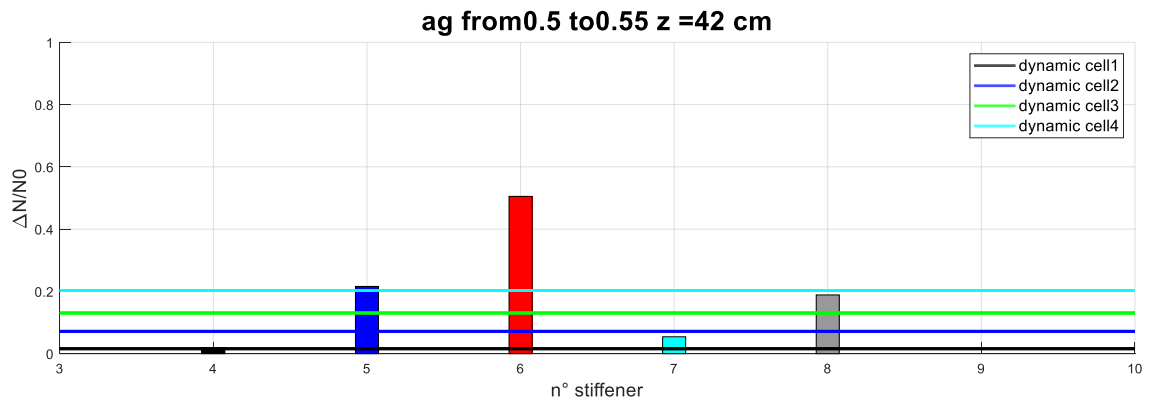
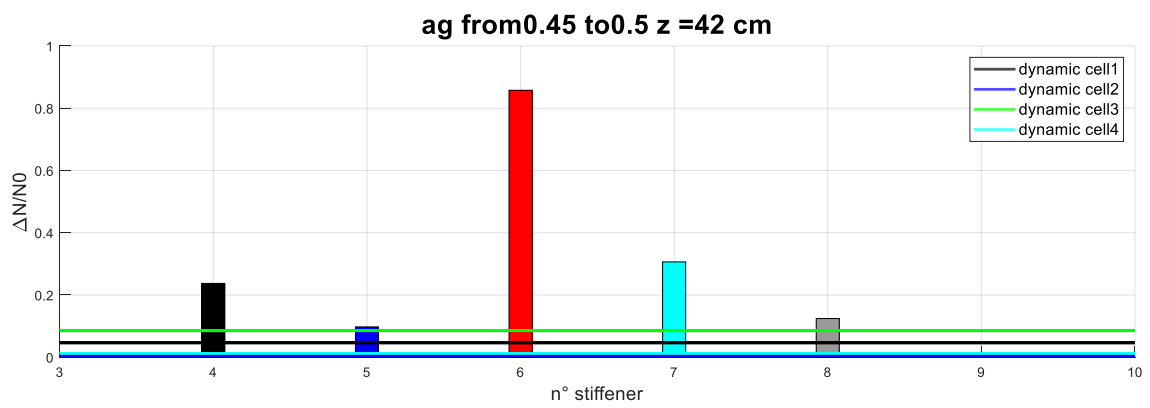
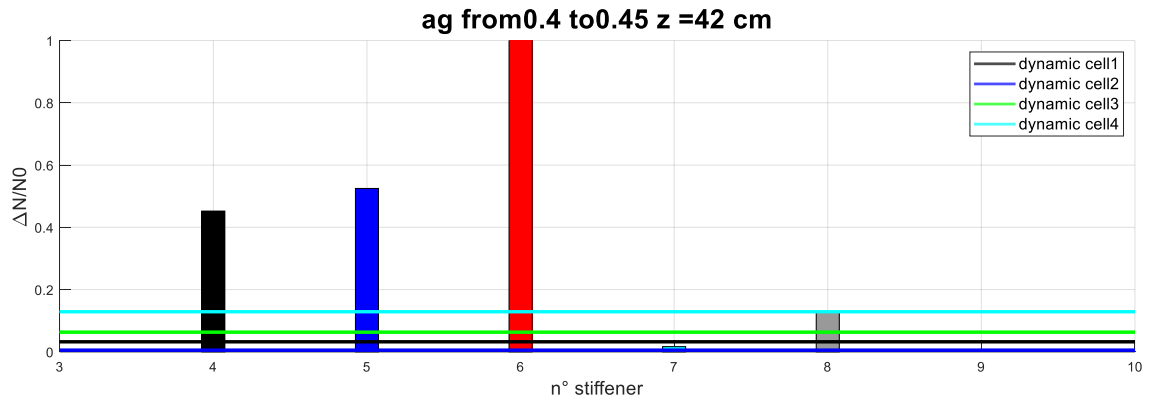
Quota Z = 250 cm



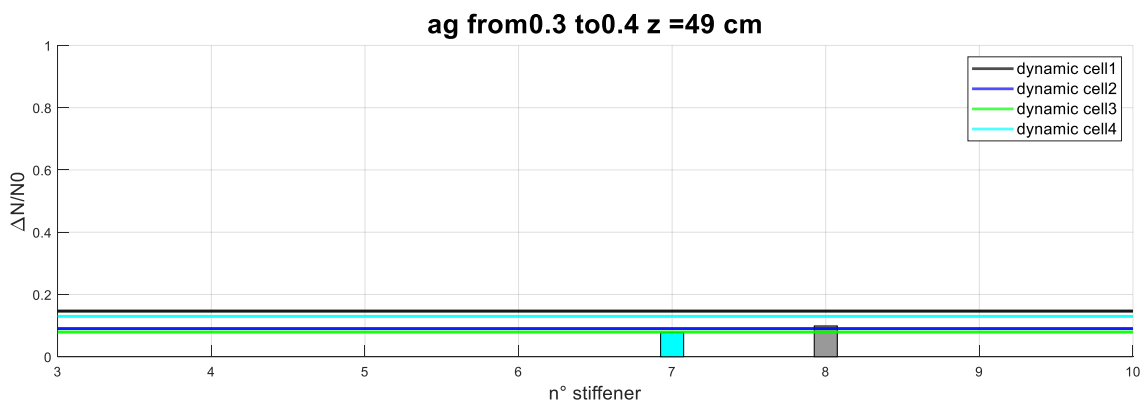
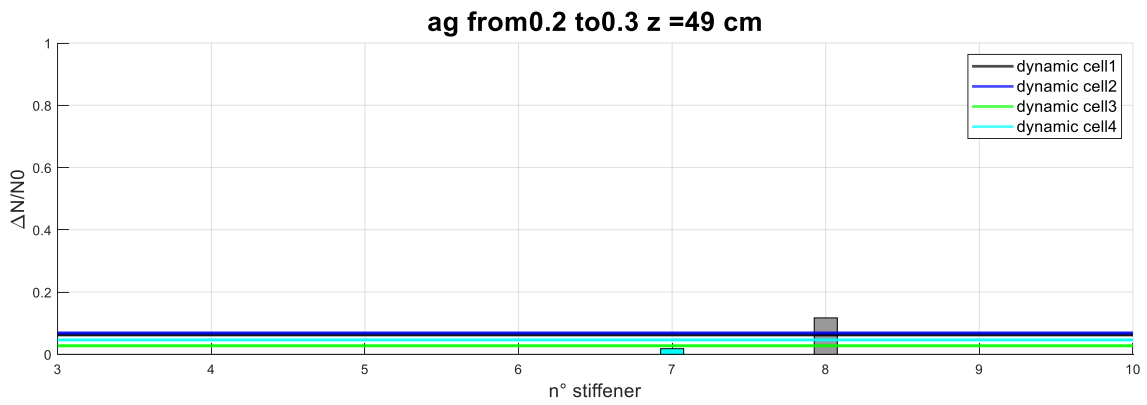
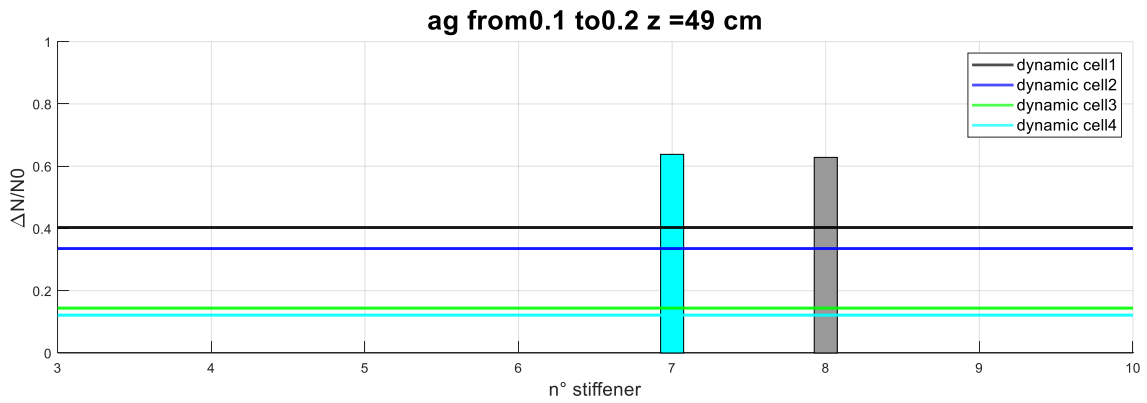
Earthquake input RS3

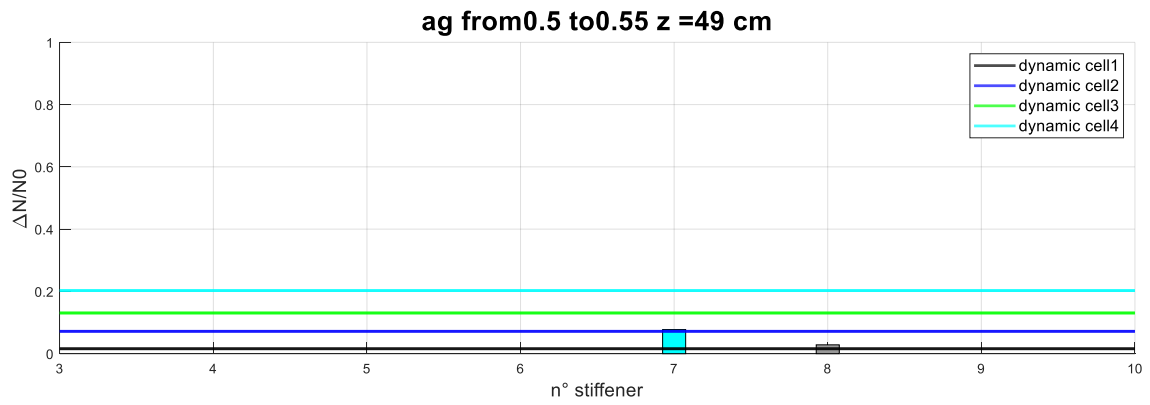
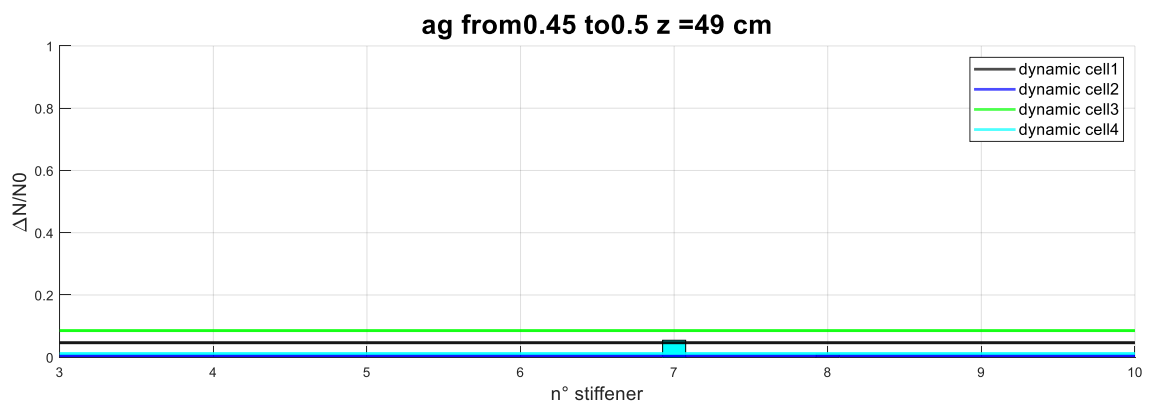
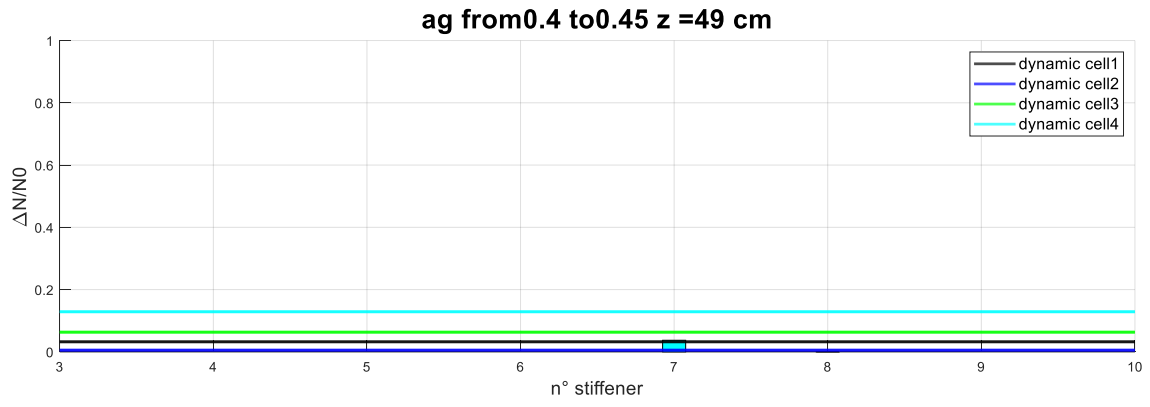
Quota Z = 42 cm



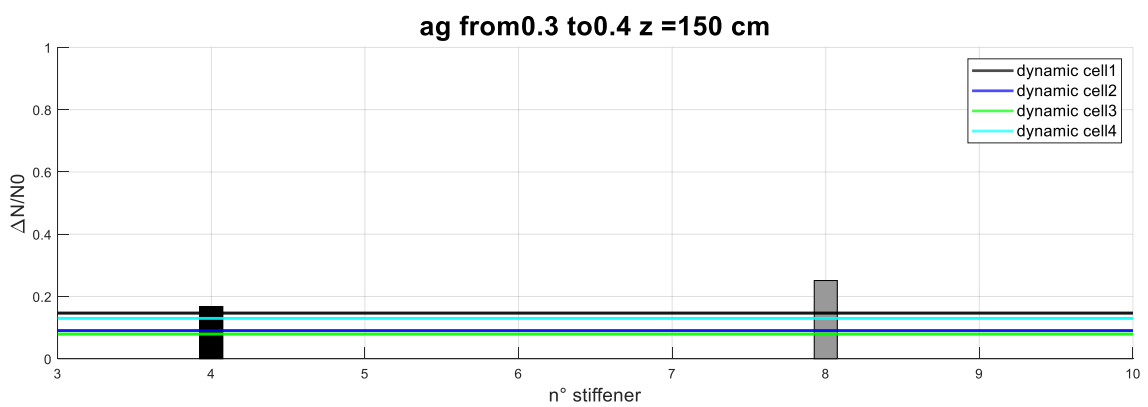
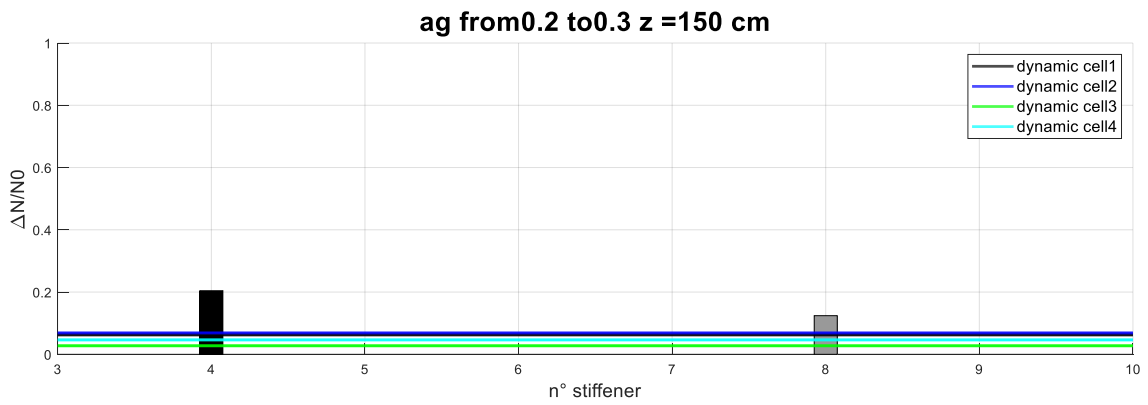
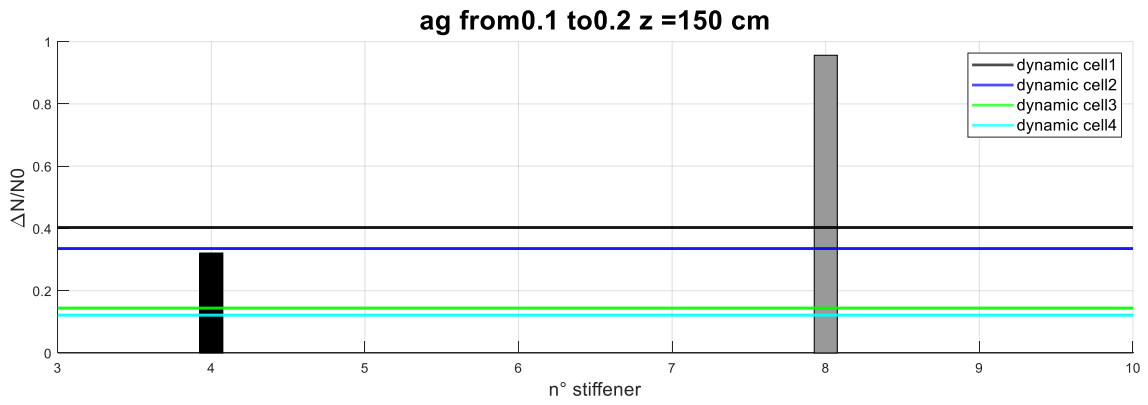


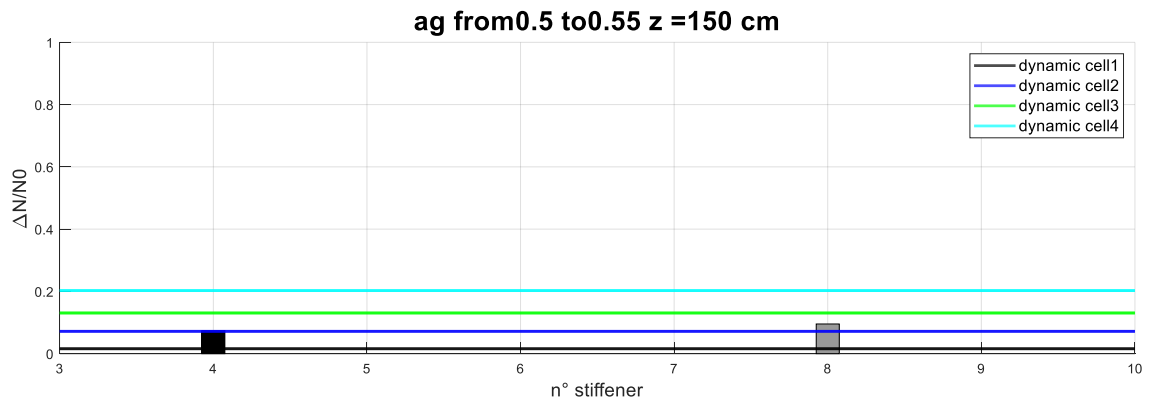
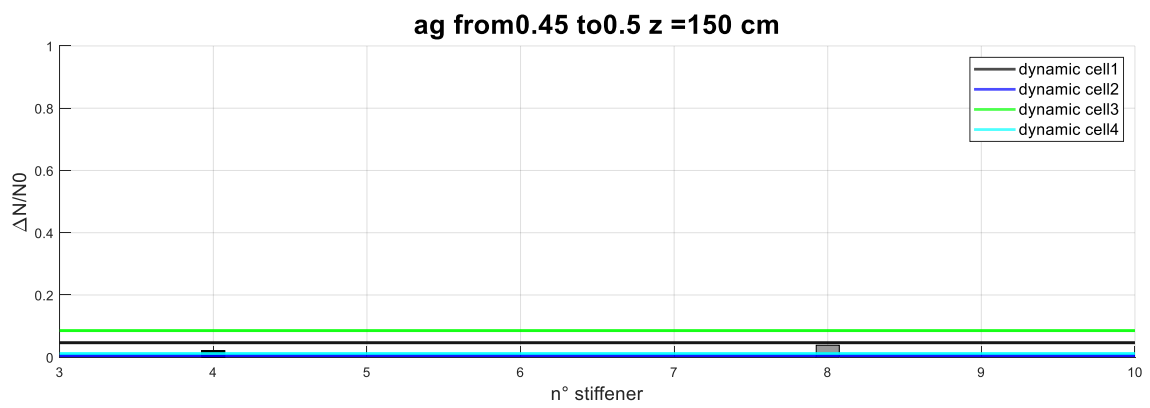
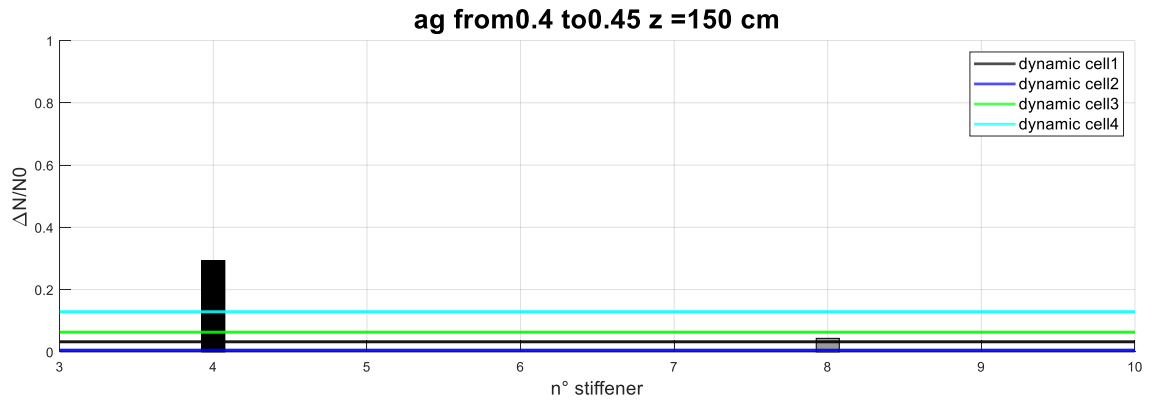
Quota Z = 49 cm





Quota Z = 150 cm





Quota Z = 250 cm

