



# GACETA OFICIAL

DIGITAL

Año CXV

Panamá, R. de Panamá viernes 23 de septiembre de 2016

N° 28124-B

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## CONTENIDO

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### AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

Resolución AN N° 10377 -Elec  
(De lunes 29 de agosto de 2016)

POR LA CUAL SE APRUEBA LA CELEBRACIÓN DE LA CONSULTA PÚBLICA NO. 007-16-ELEC, PARA CONSIDERAR LA PROPUESTA DEL PLAN DE EXPANSIÓN DEL SISTEMA INTERCONECTADO NACIONAL CORRESPONDIENTE AL AÑO 2016, PRESENTADA POR LA EMPRESA DE TRANSMISIÓN ELÉCTRICA, S.A. (ETESA).

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*República de Panamá*  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS



Resolución AN No. 10377 -Elec

Panamá, 29 de agosto de 2016

“Por la cual se aprueba la celebración de la Consulta Pública No. 007-16-Elec, para considerar la propuesta del Plan de Expansión del Sistema Interconectado Nacional correspondiente al año 2016, presentada por la Empresa de Transmisión Eléctrica, S.A. (ETESA).”

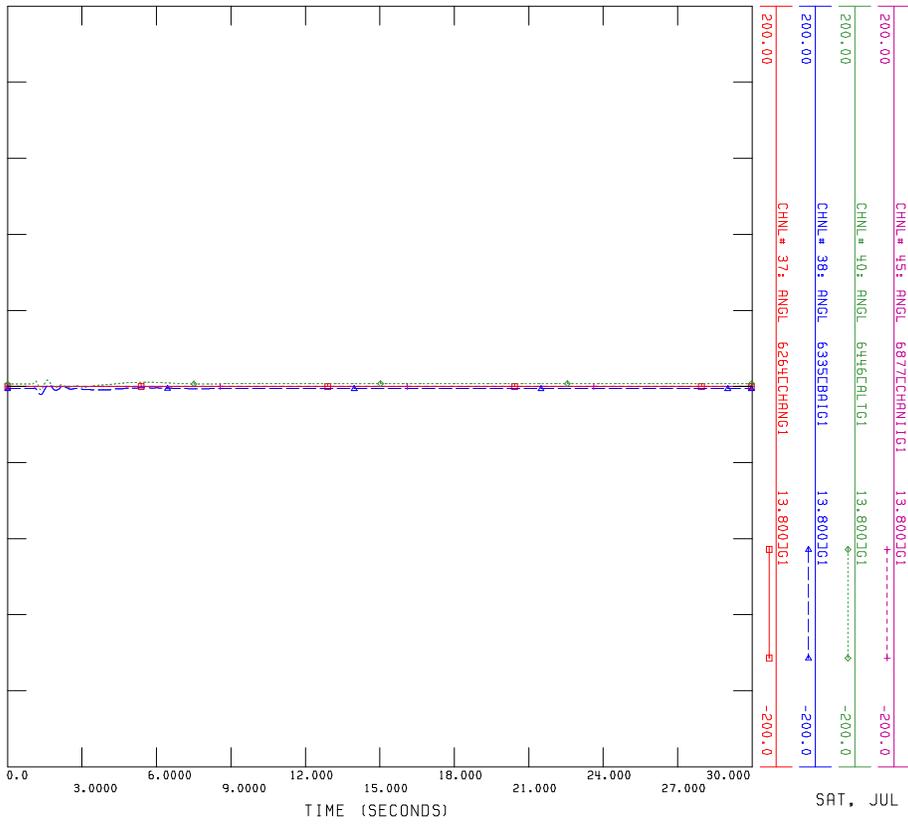
**ANEXO A**

**TOMO X (De la foja 1801 a la foja 2000)**



ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P002 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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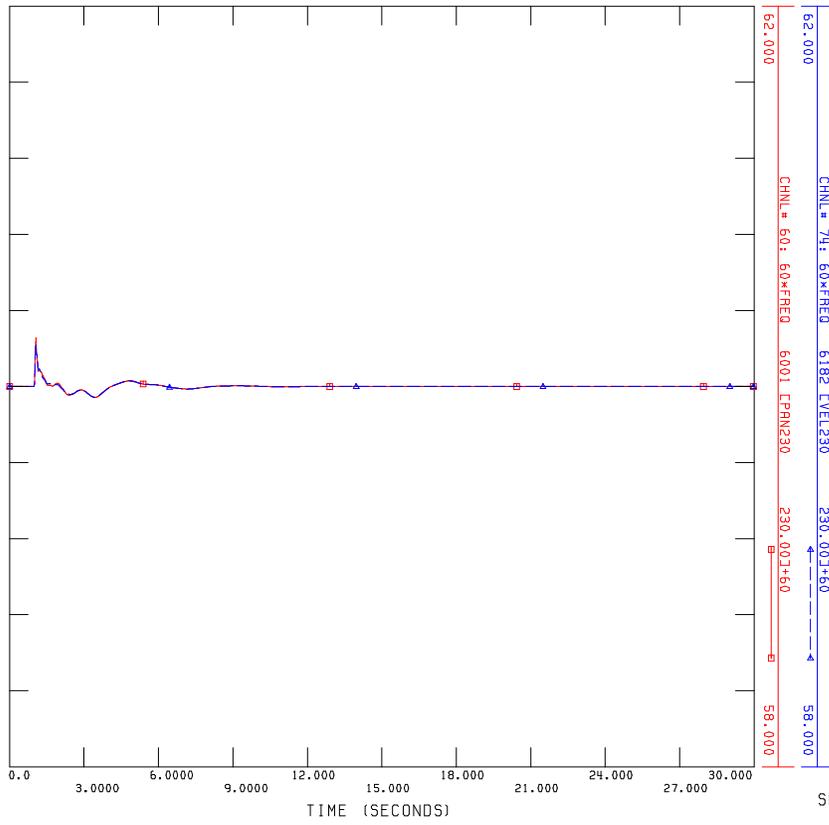
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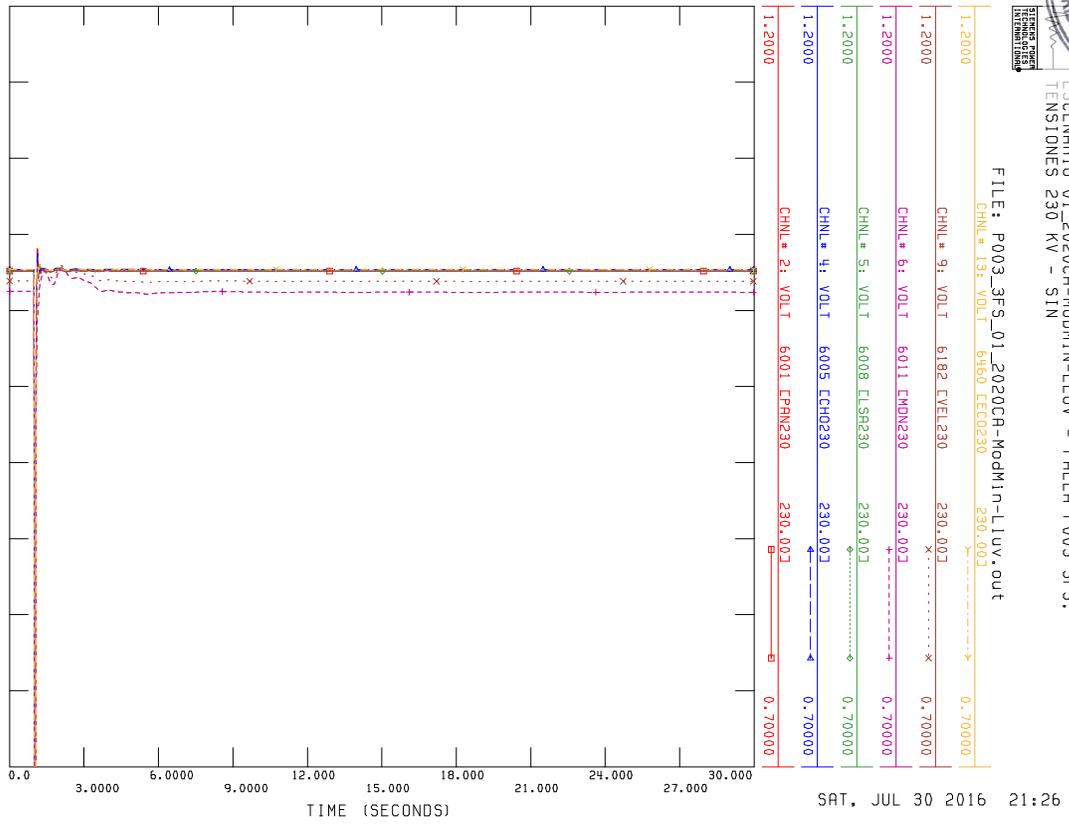


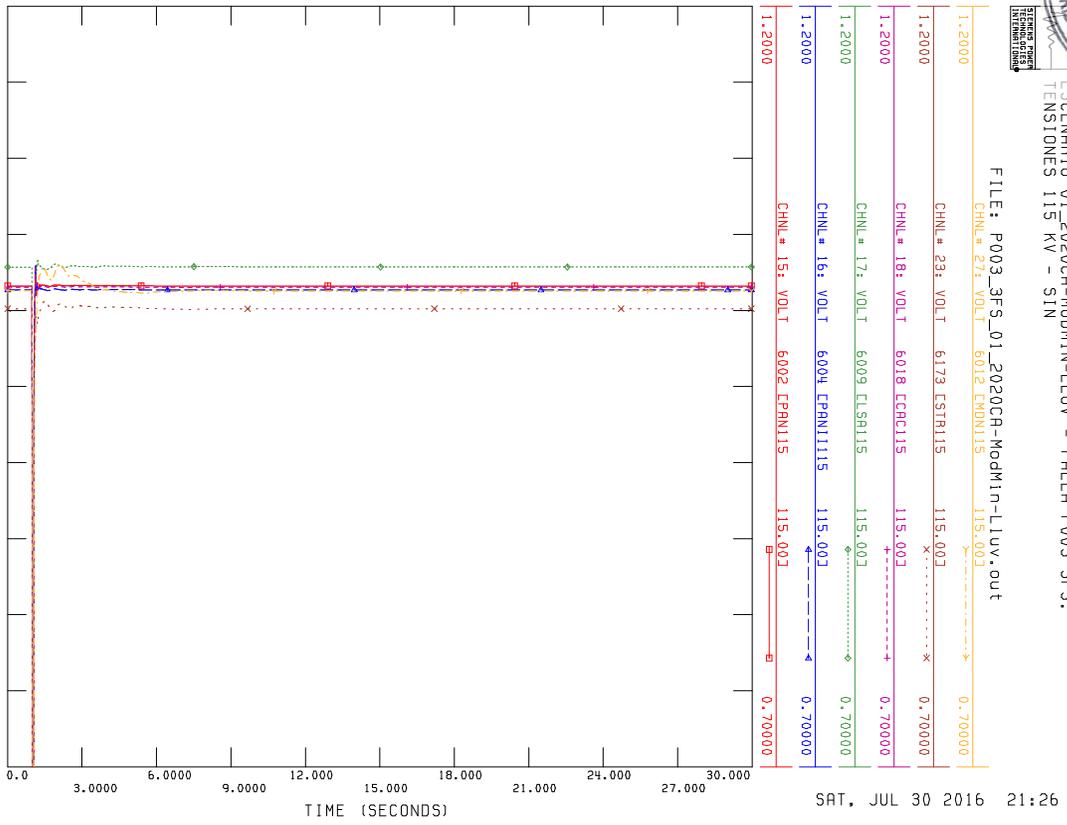
REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

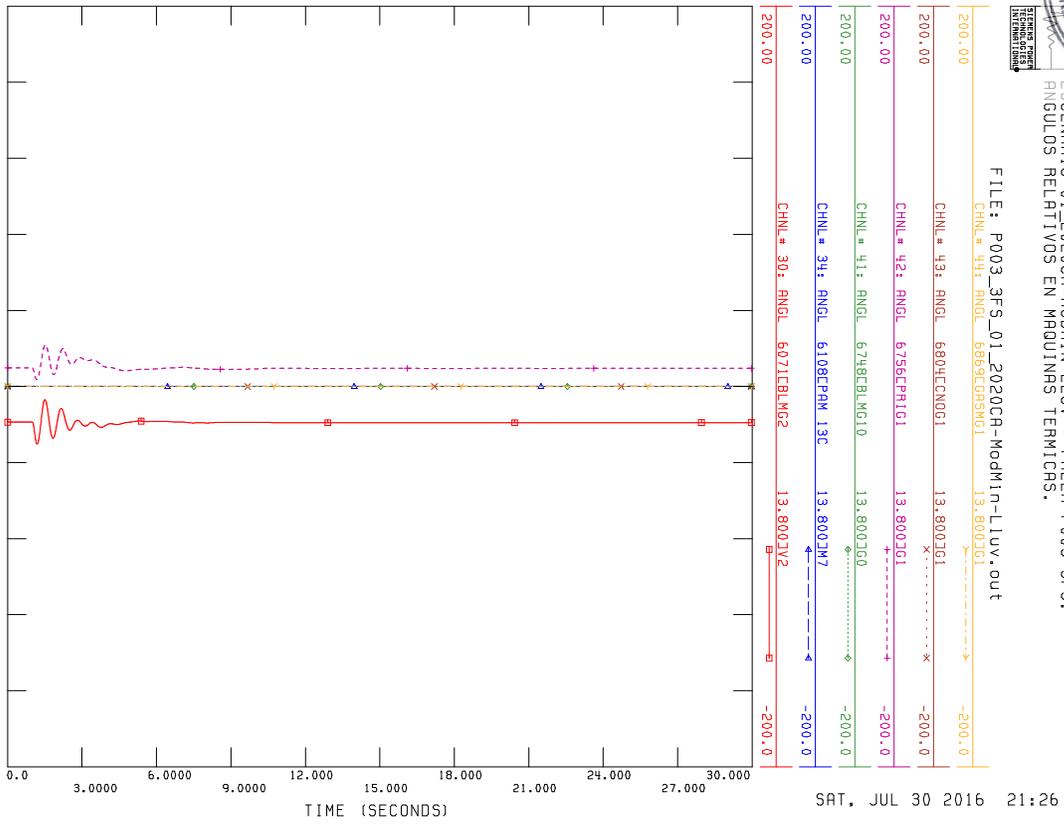
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FRECUENCIAS.

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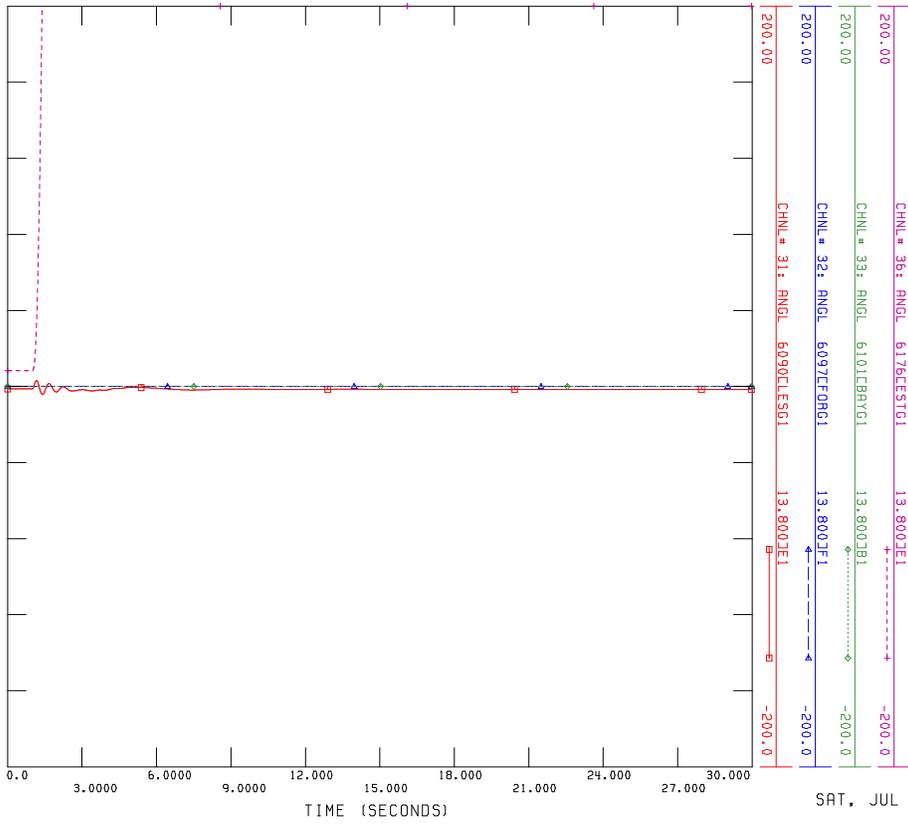




ESCENARIOS  
RELATIVOS EN MODOS  
HIDRAULICOS

ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P003 3FS.  
ANGULOS RELATIVOS EN MODOS HIDRAULICOS.

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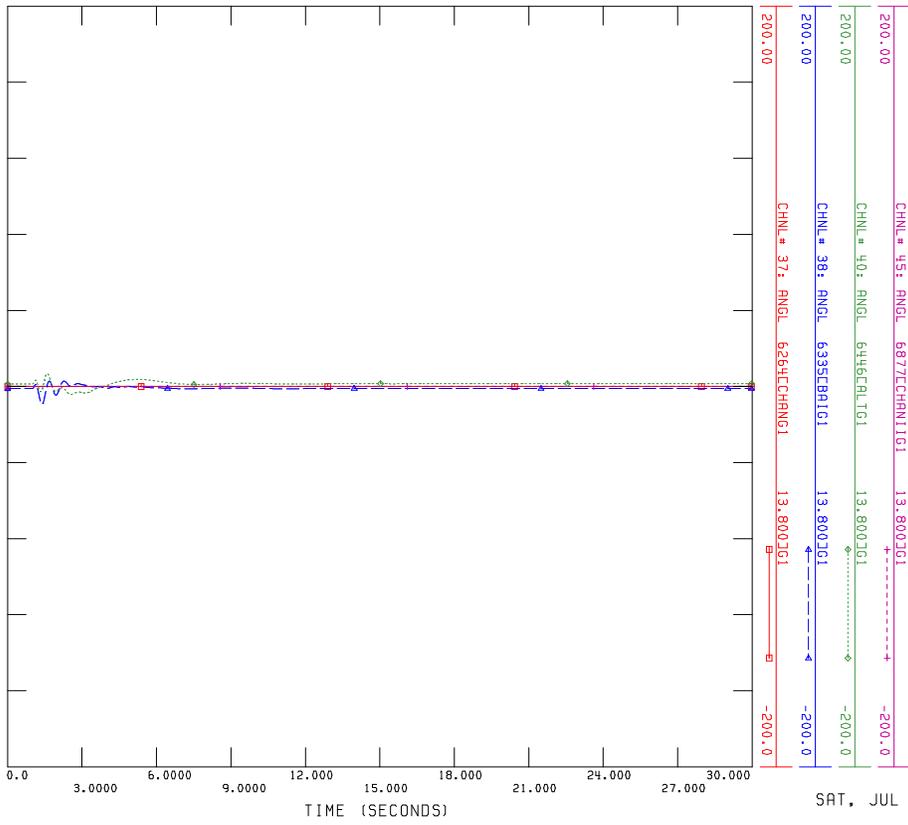


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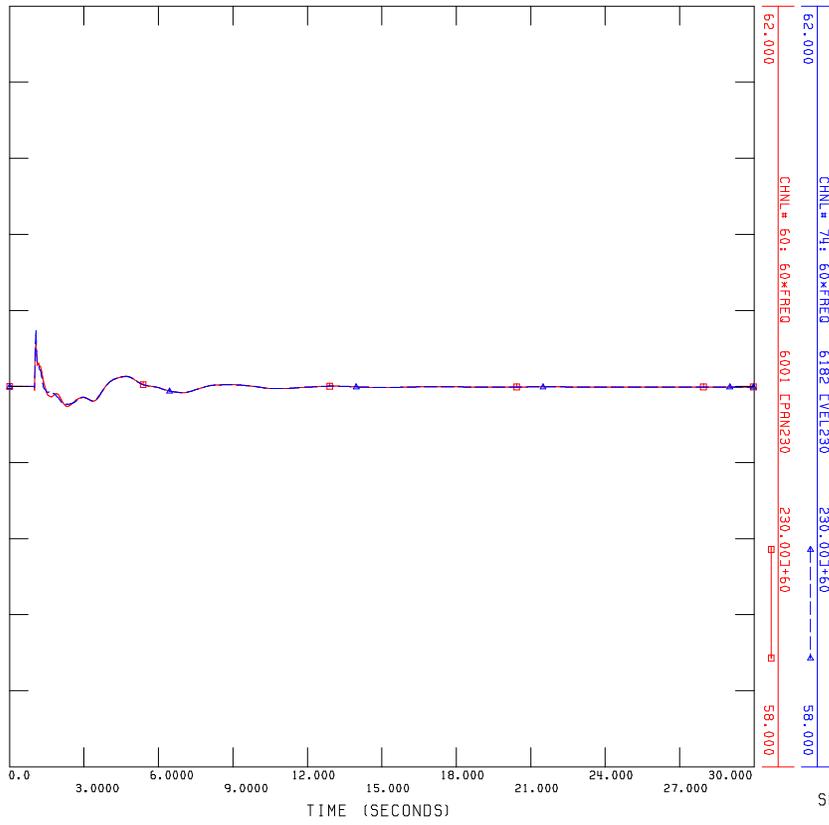




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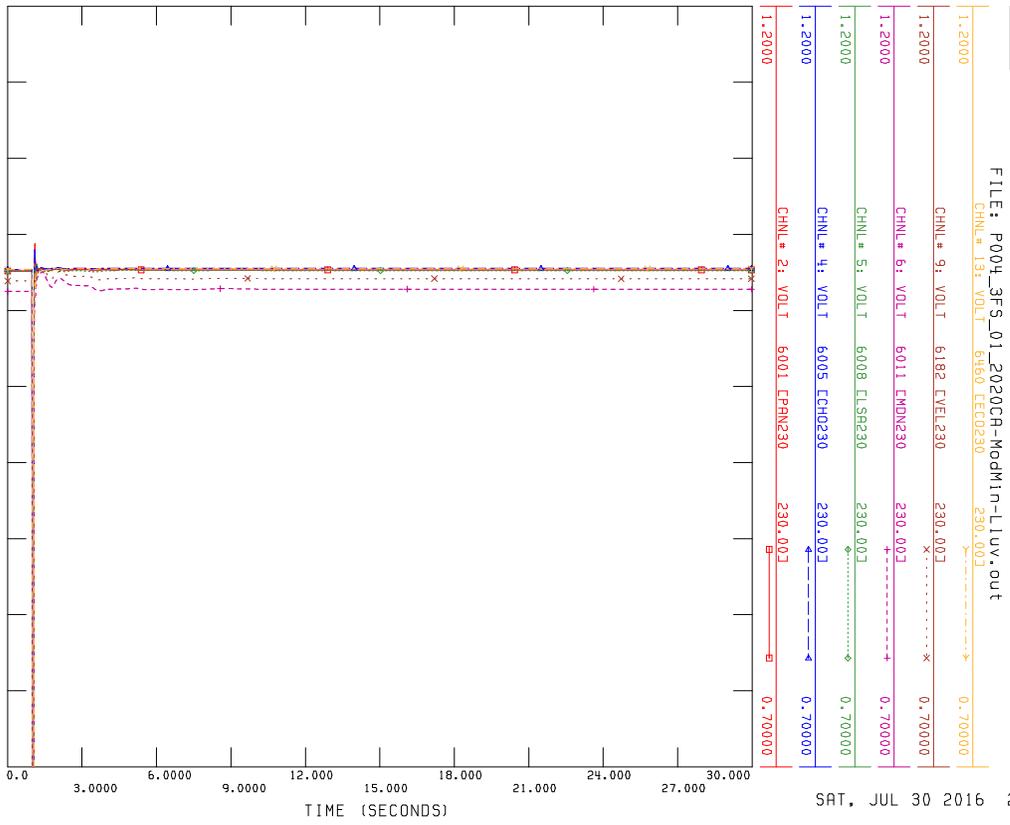
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FRECUENCIAS.

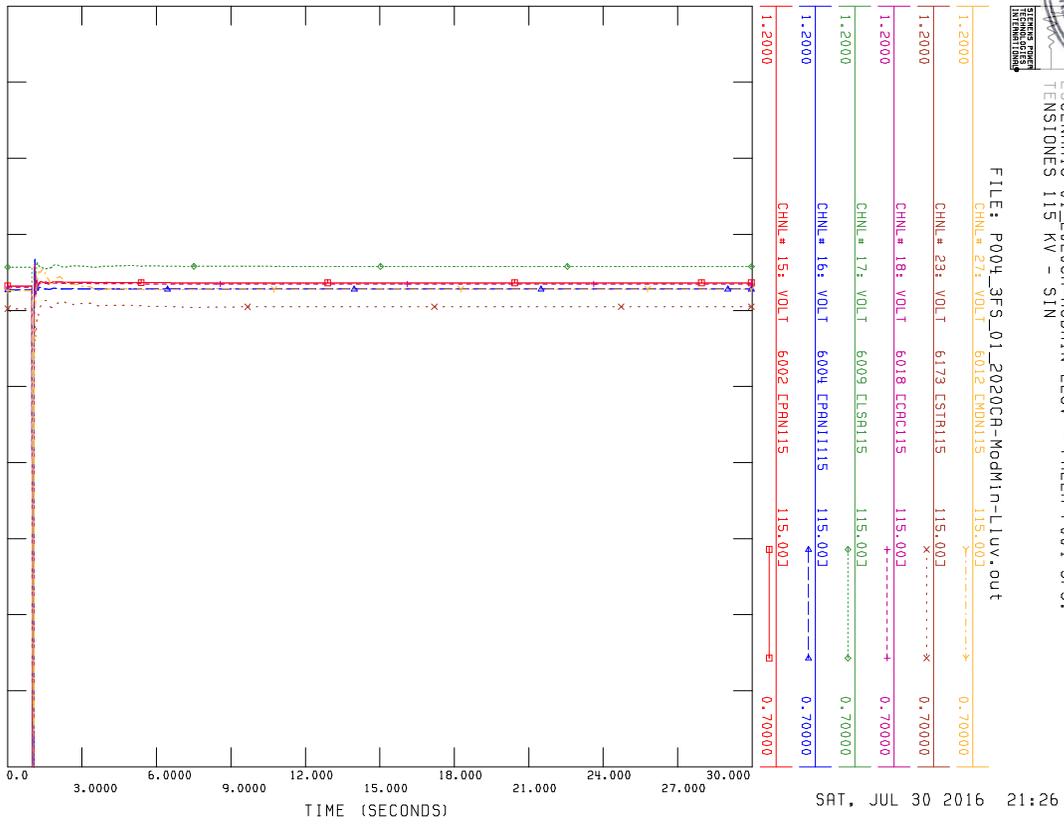
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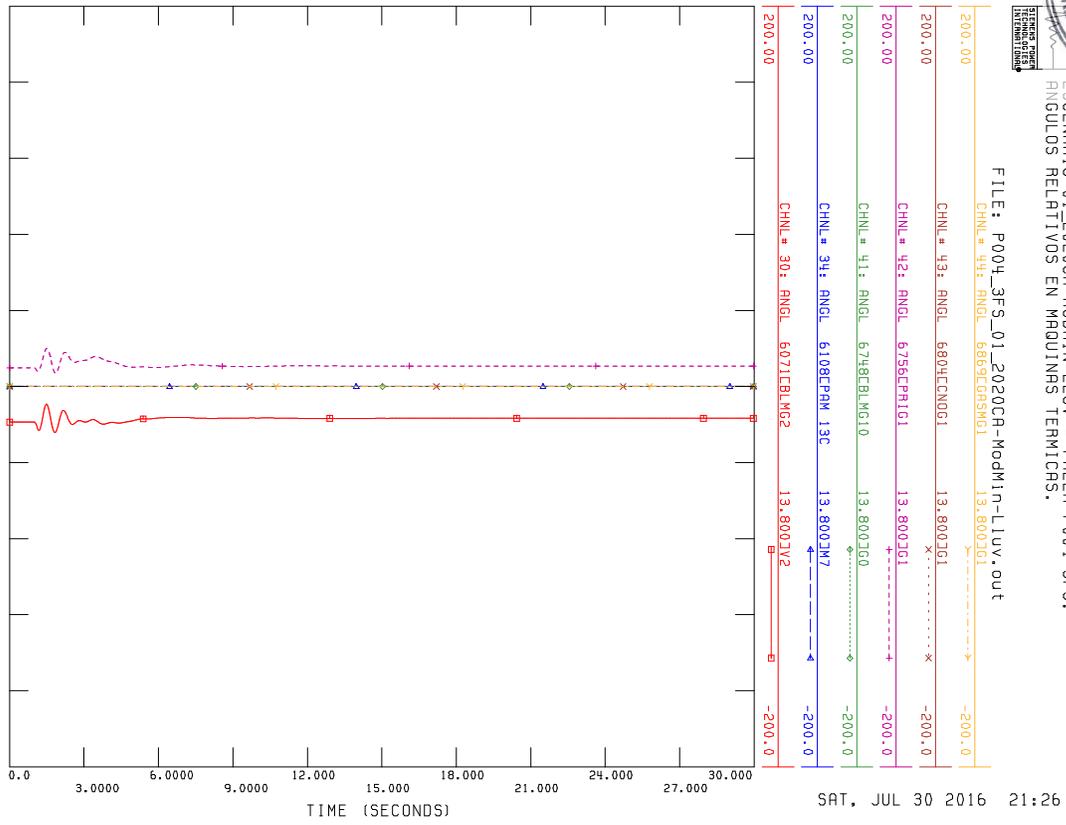




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TENSIONES 230 KV - SIN



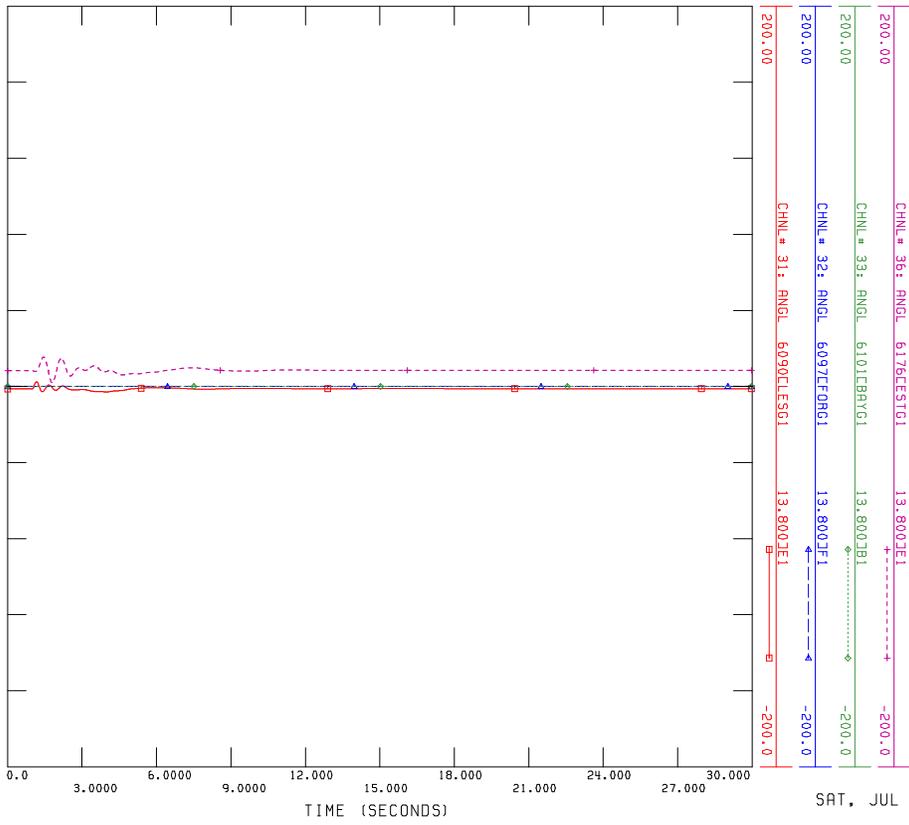






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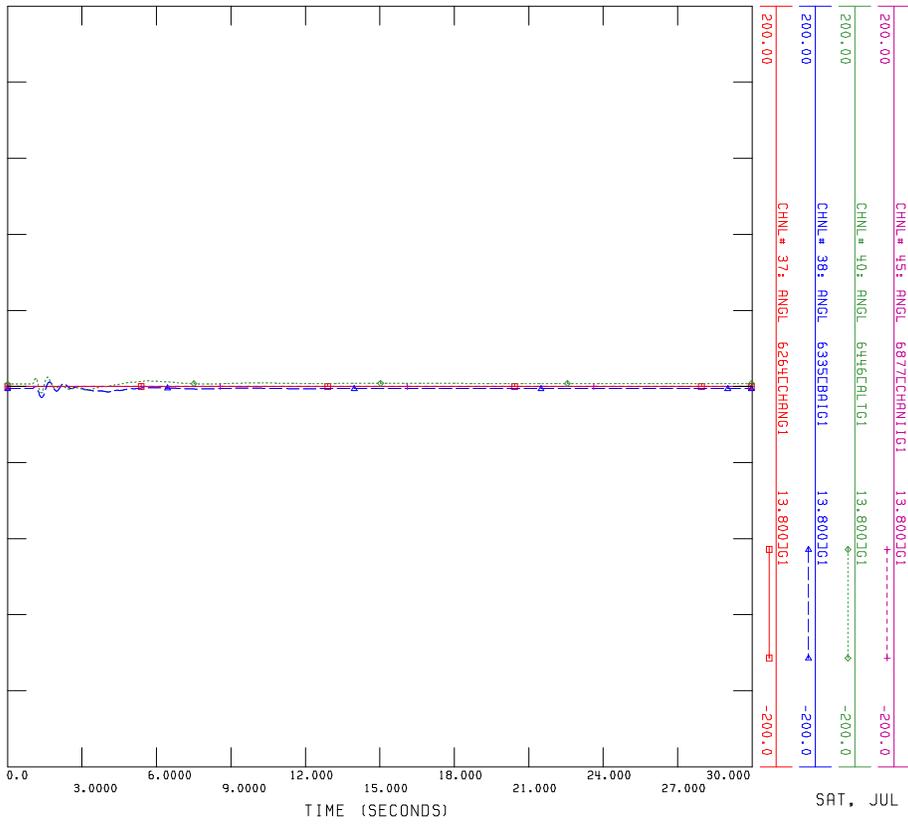




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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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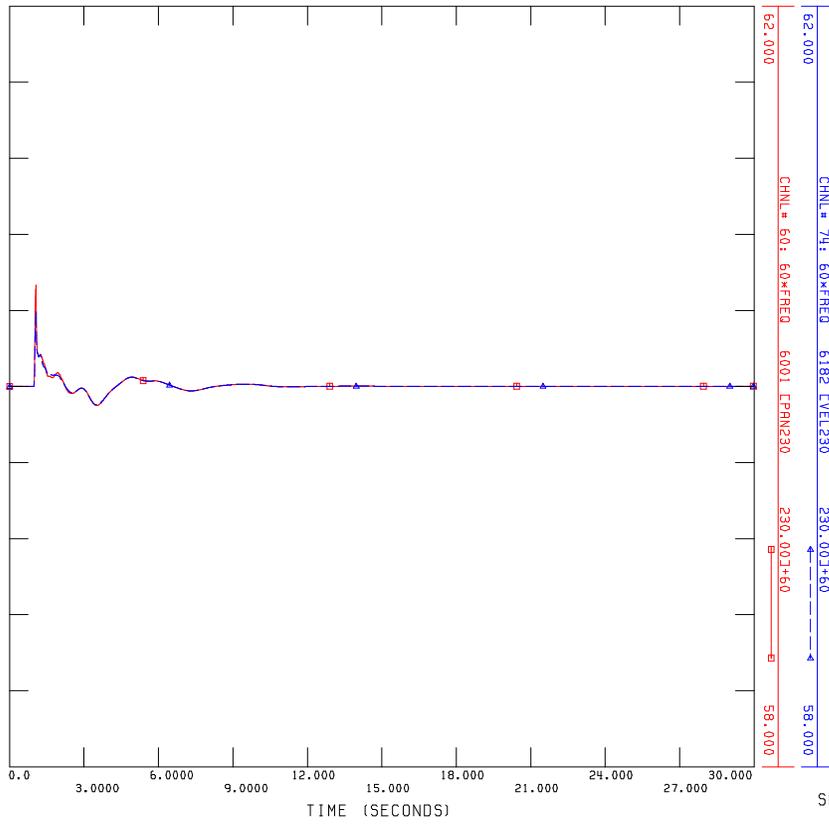
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REPÚBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

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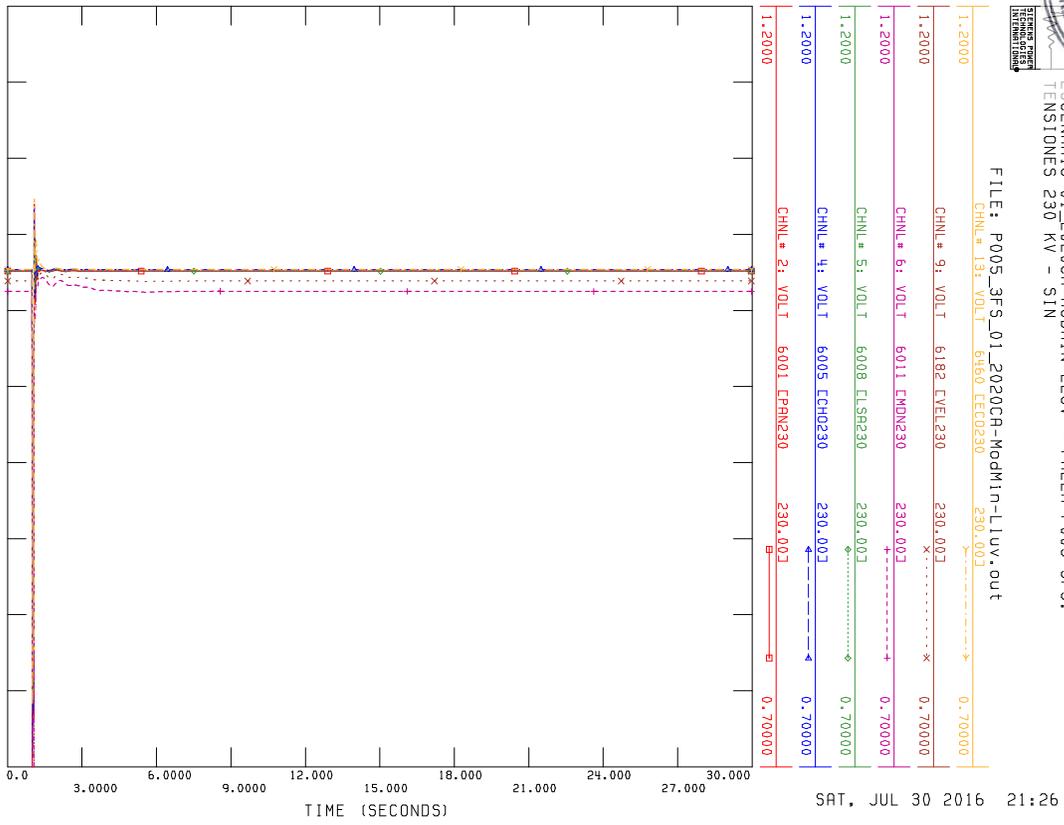
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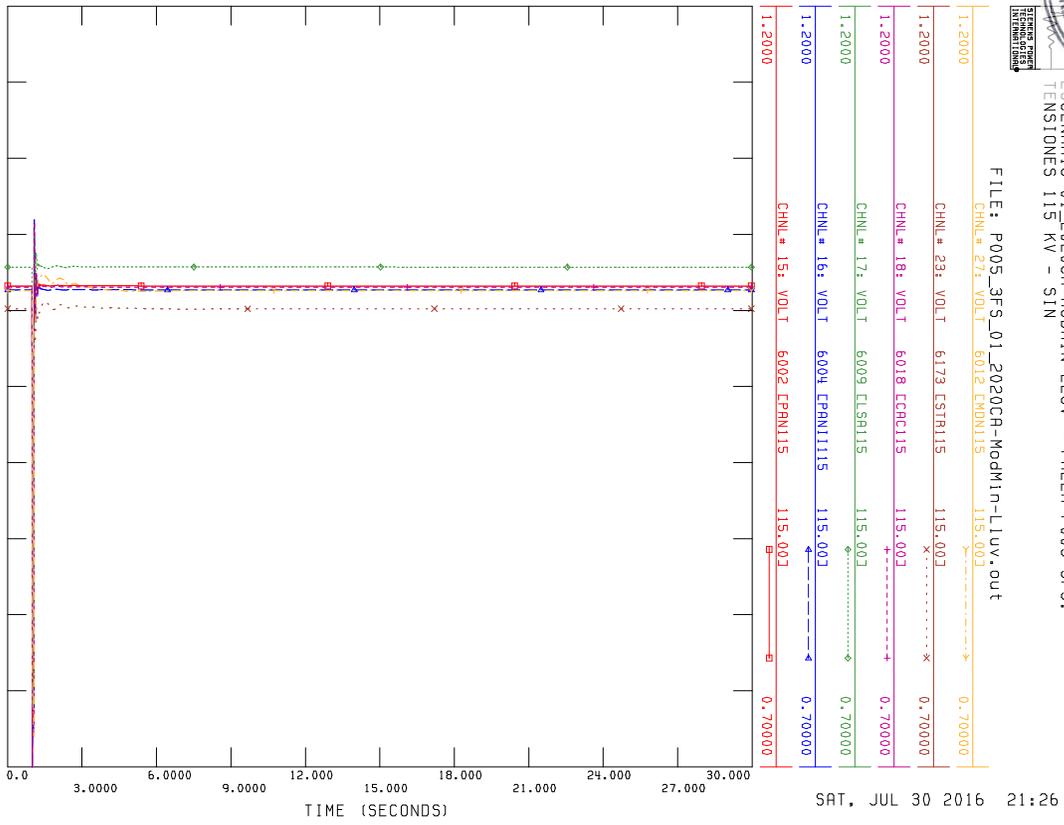


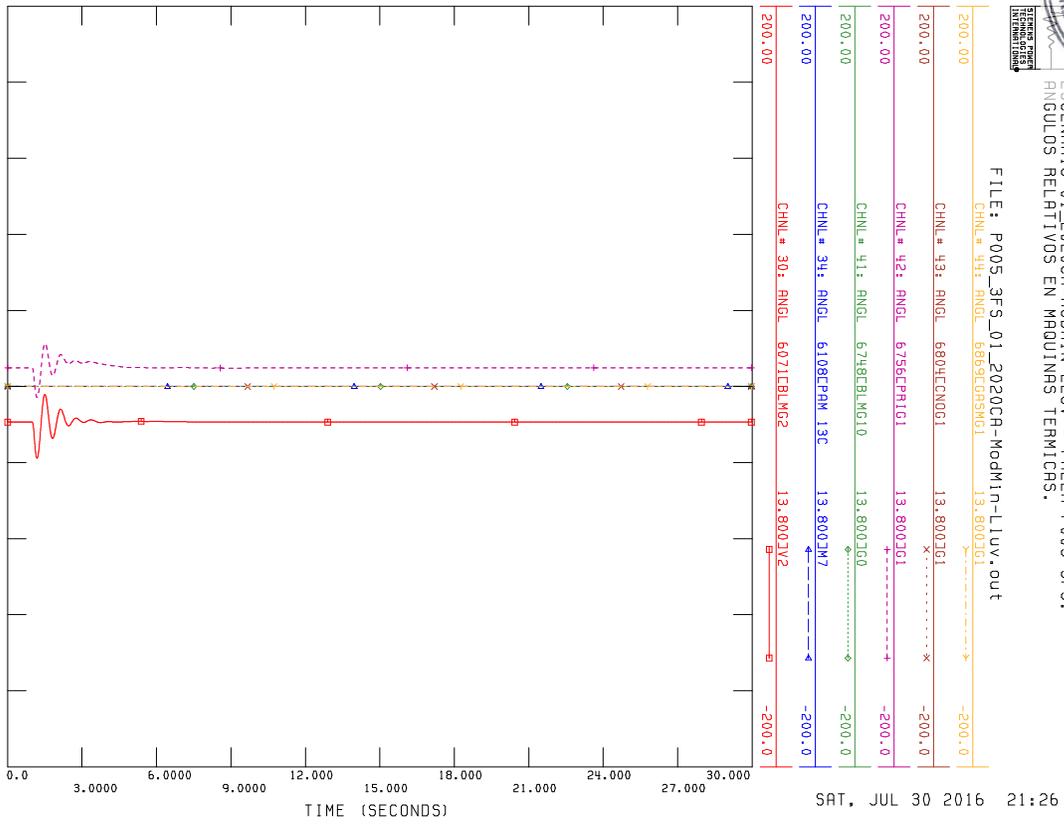
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TENSIONES 230 KV - SIN





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 TENSIONES 115 KV - SIN

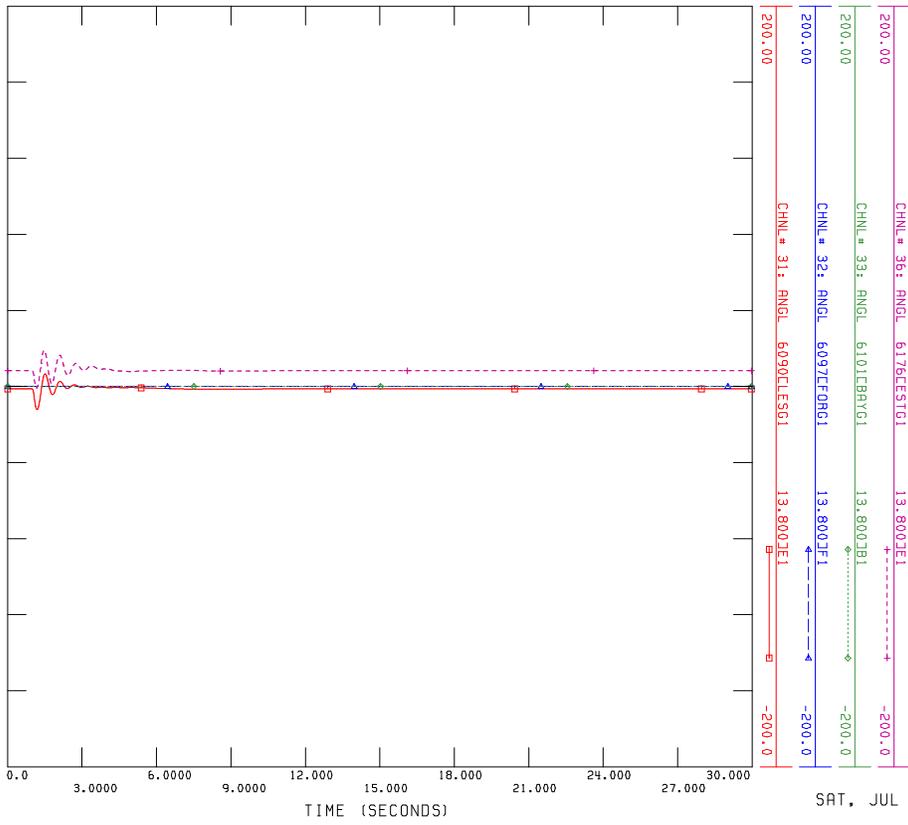






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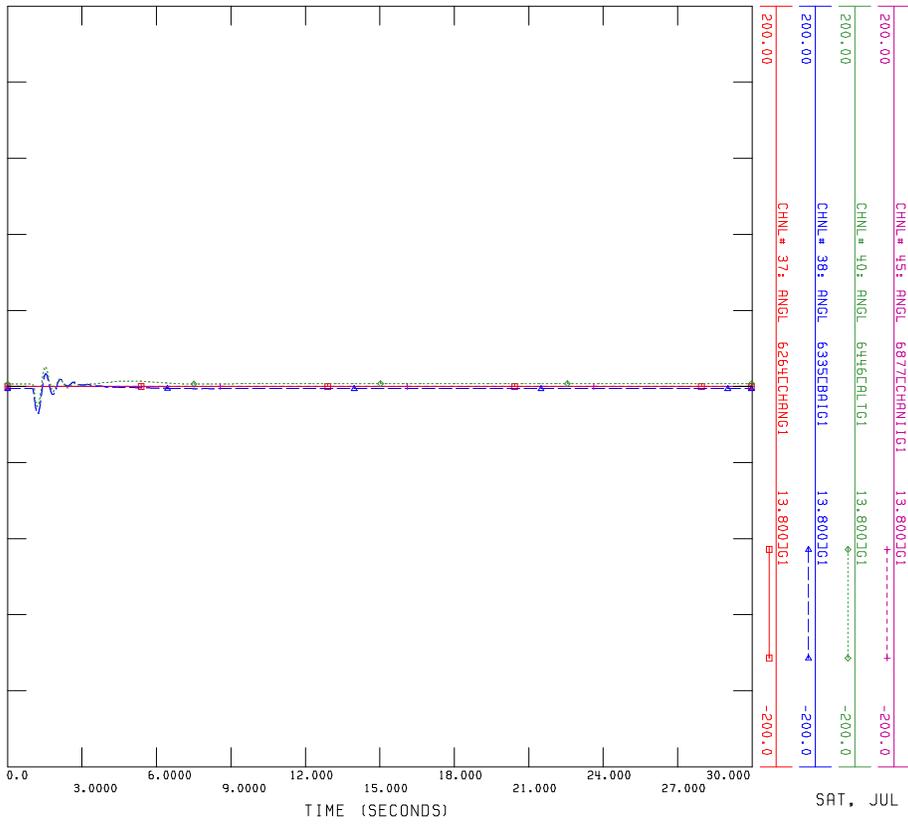
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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P005 3FS.  
 ANGULOS RELATIVOS EN MODUINRS HIDRAULICAS.

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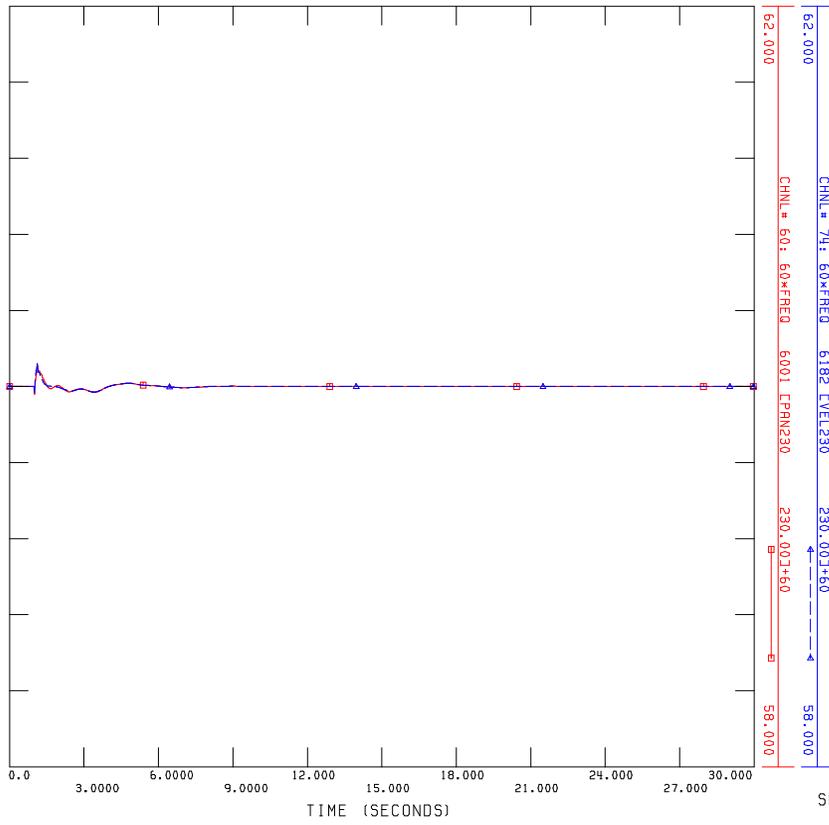
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AUTORIDAD NACIONAL DE LOS SERVICIOS PUBLICOS

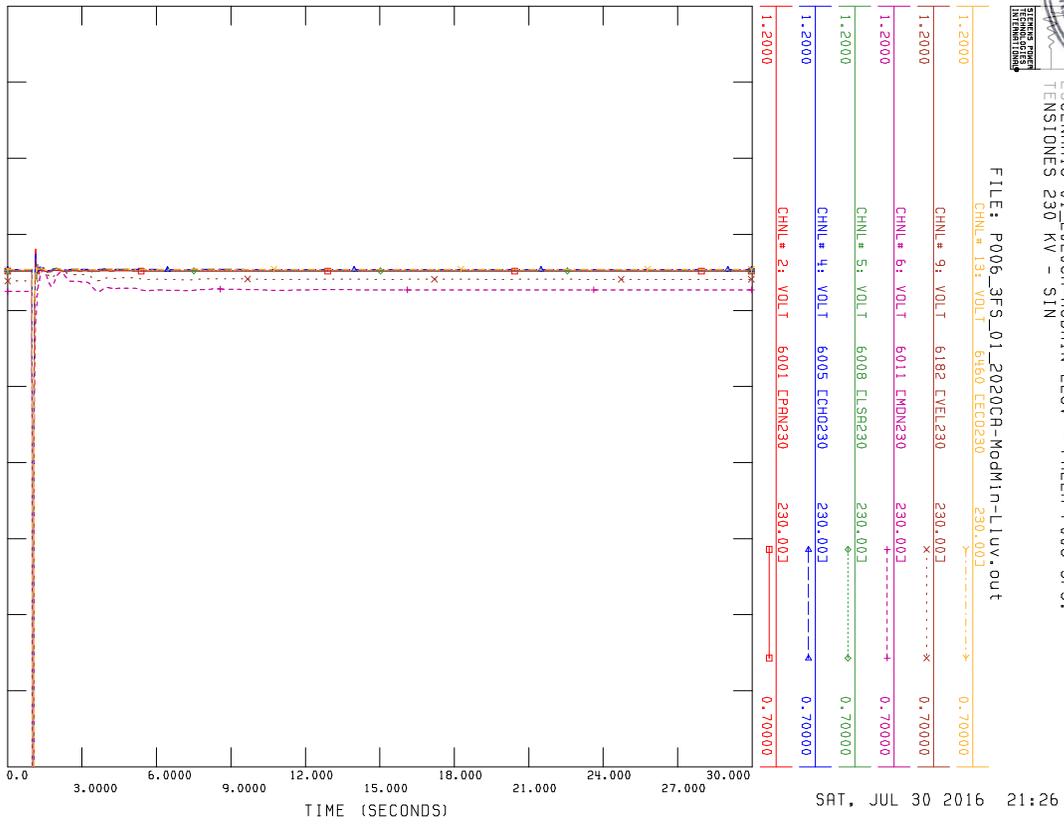
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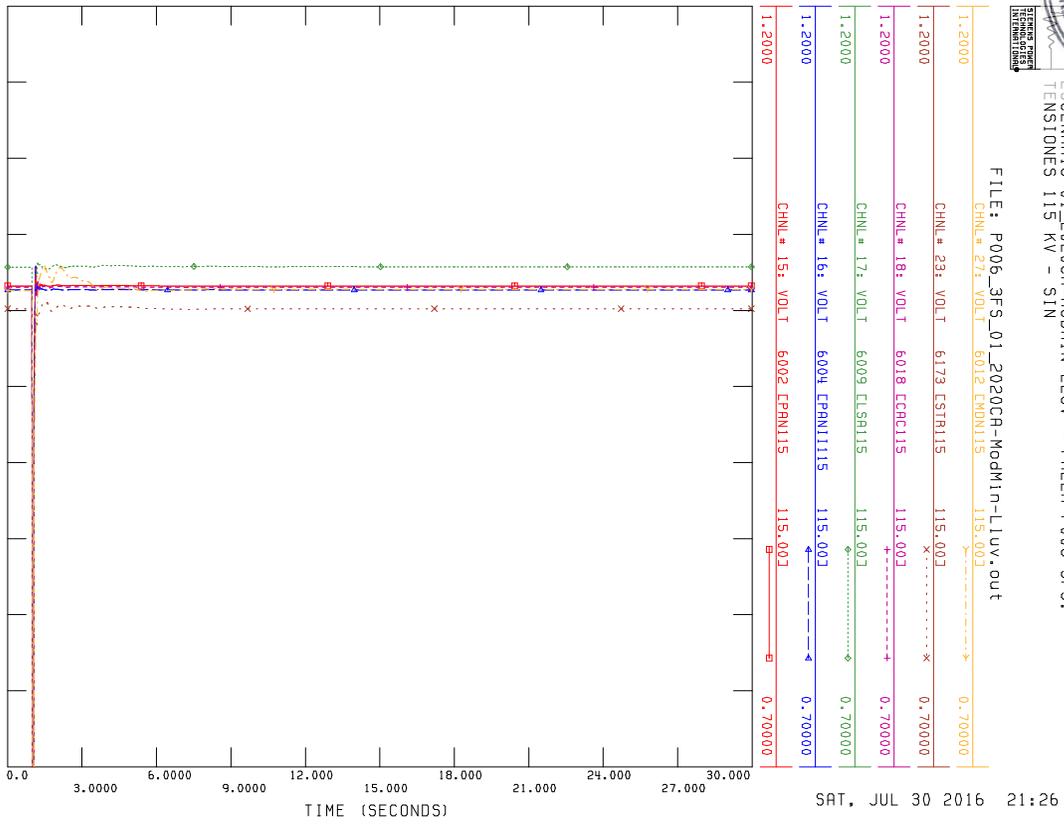
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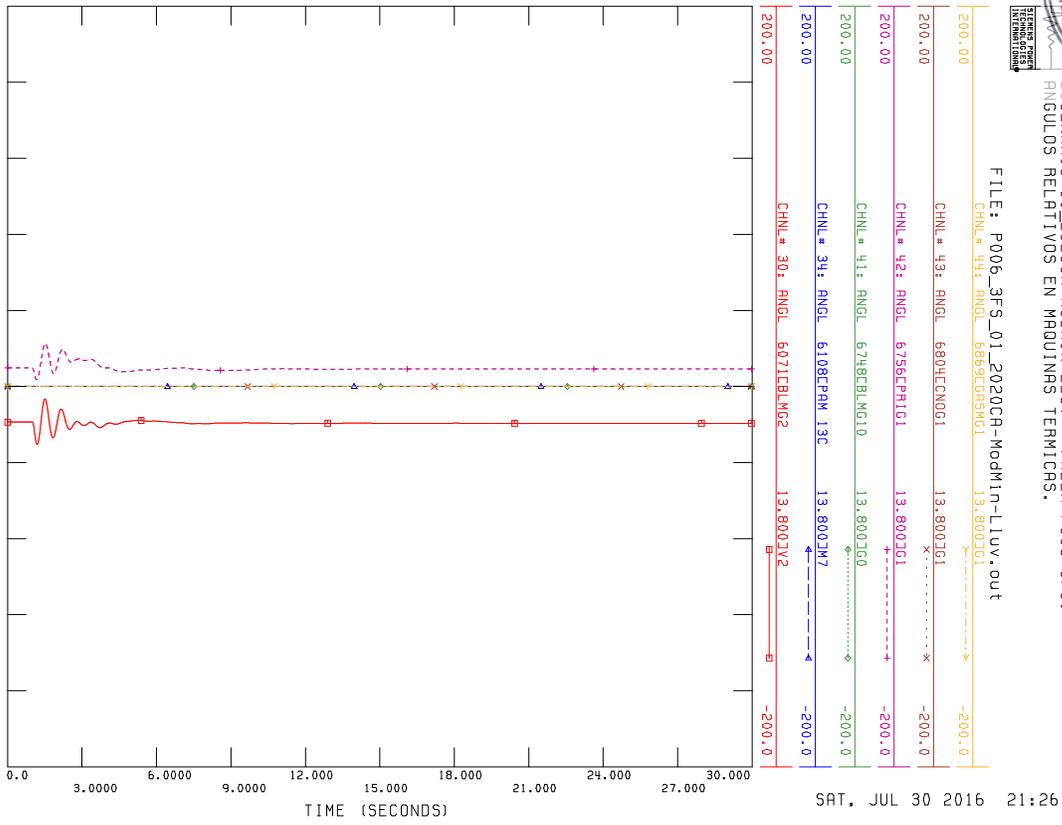




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TENSIONES 230 KV - SIN



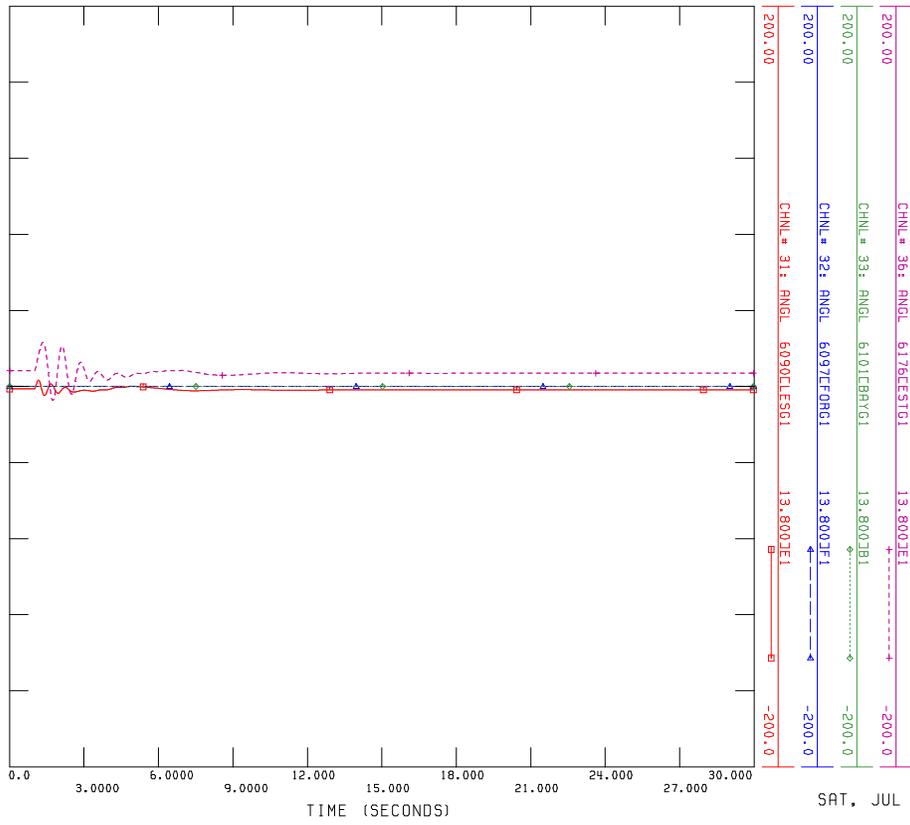






ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P006 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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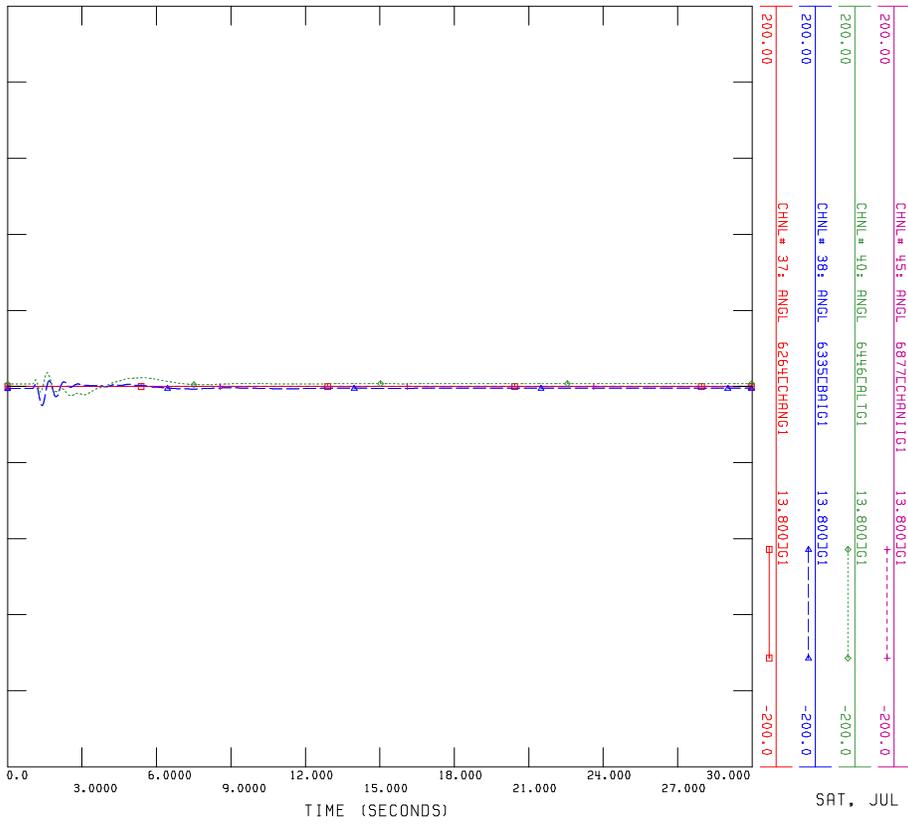


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 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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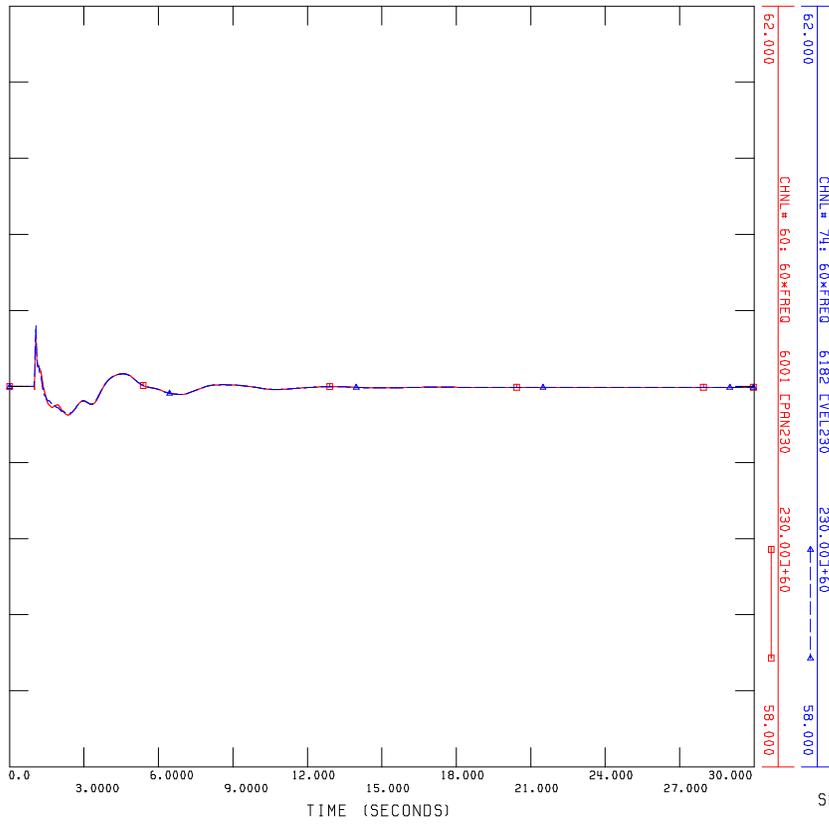
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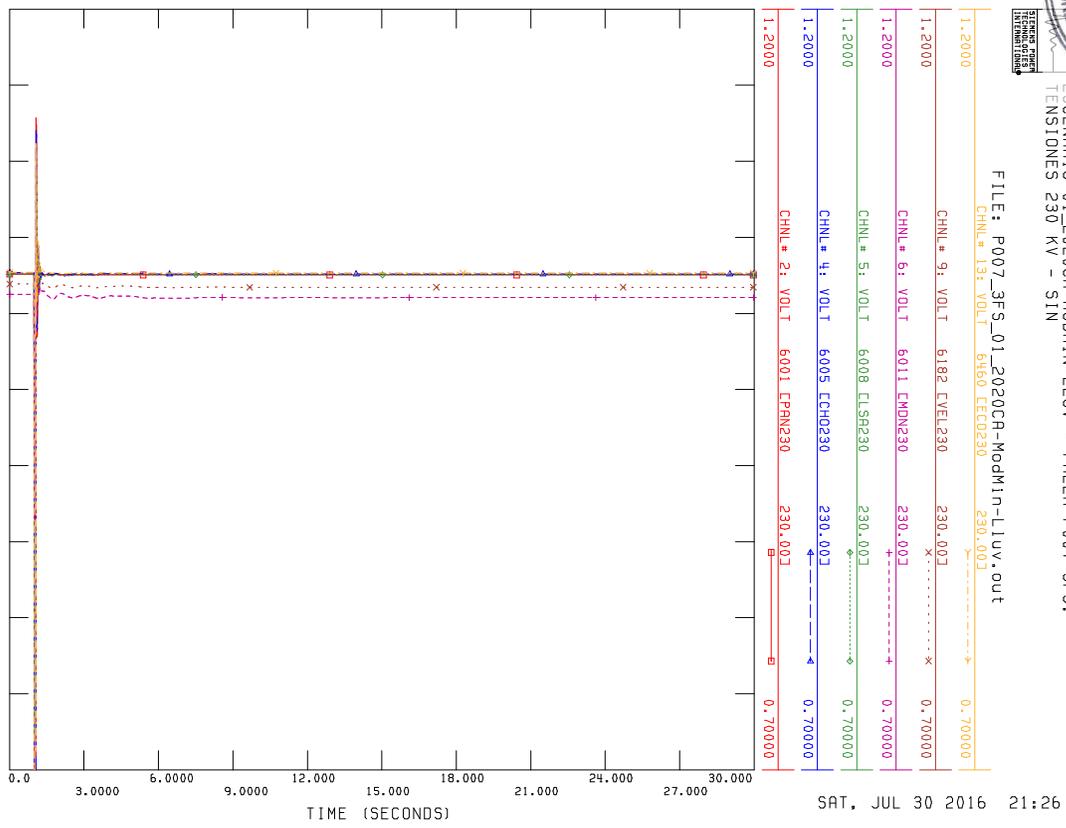
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AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

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FRECUENCIAS.

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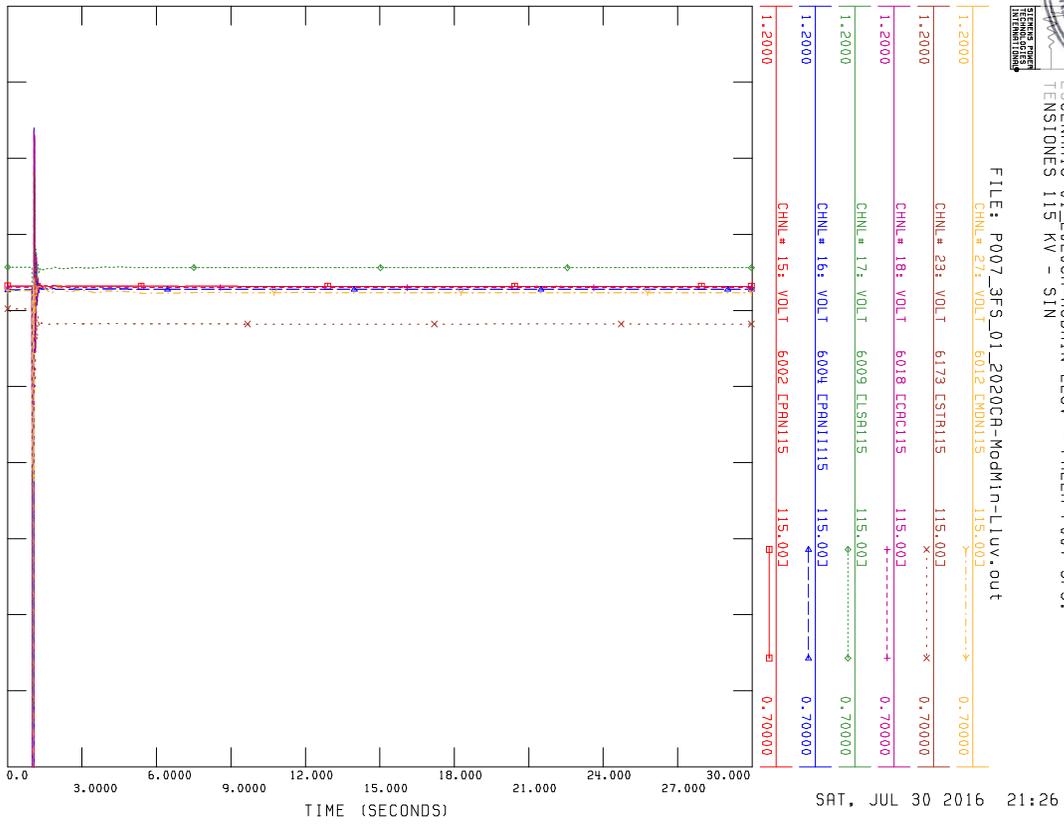


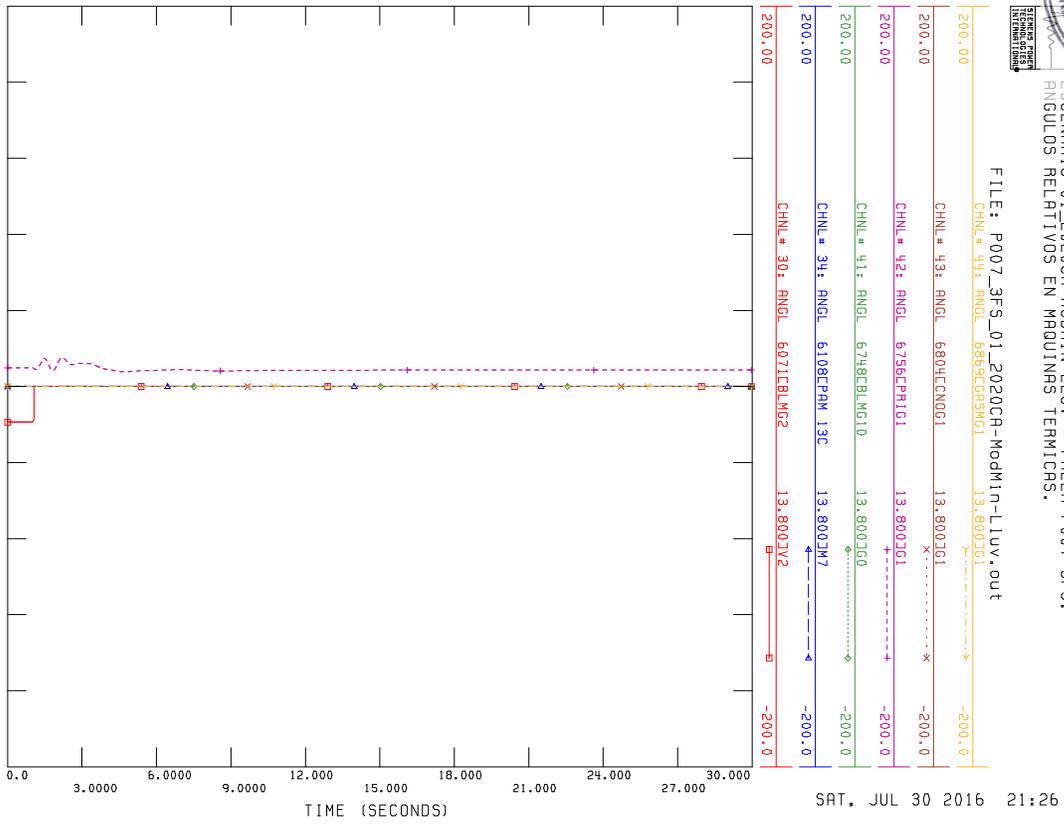
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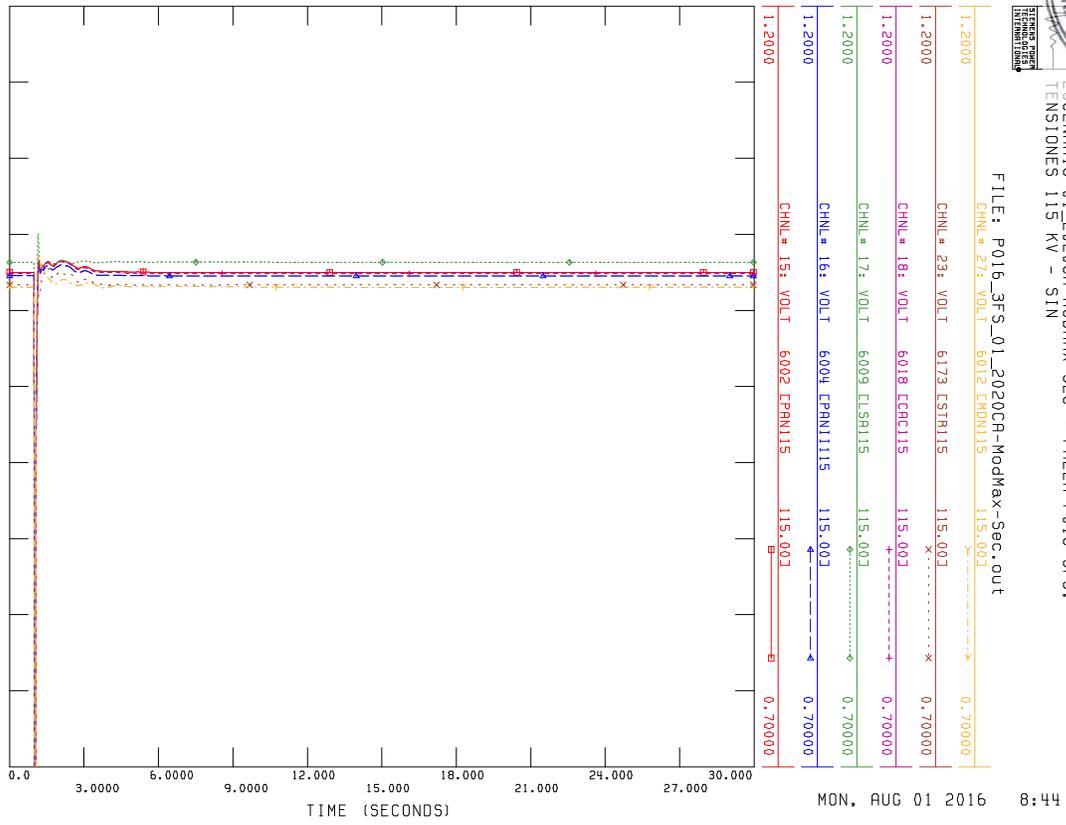


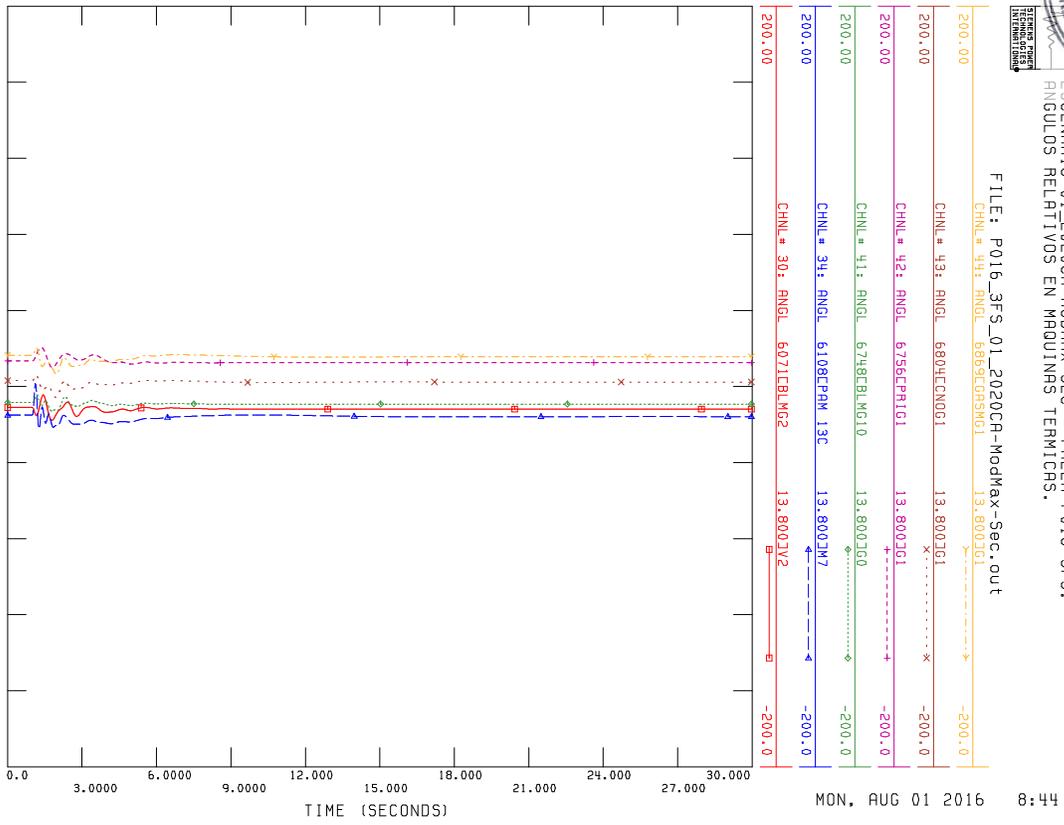


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TENSIONES 115 KV - SIN





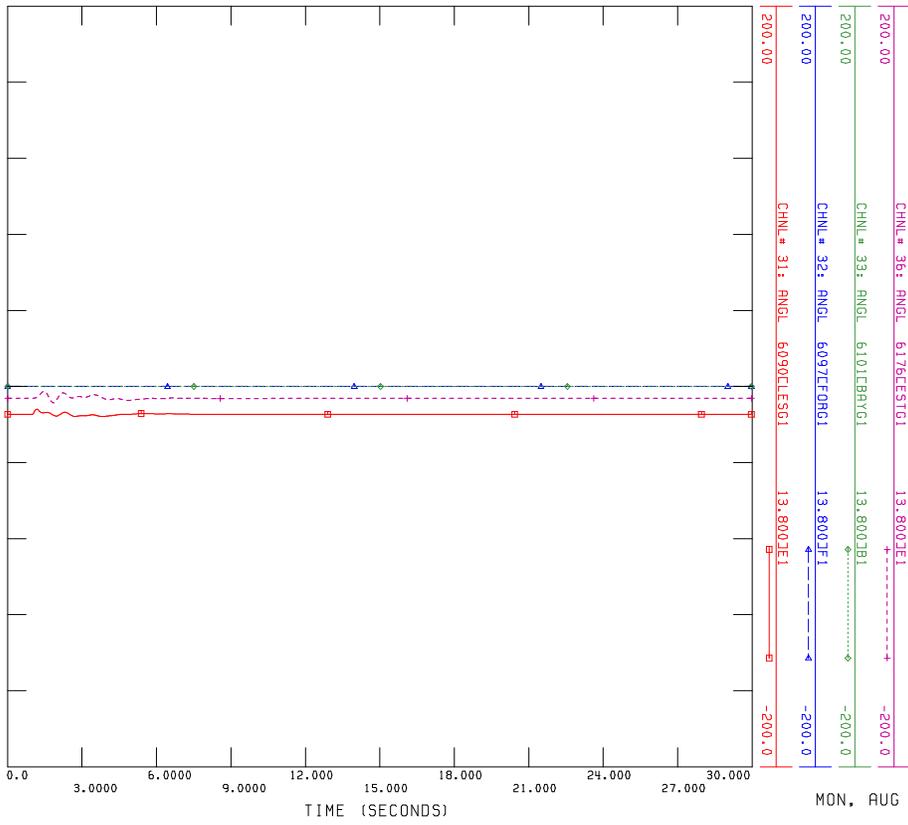






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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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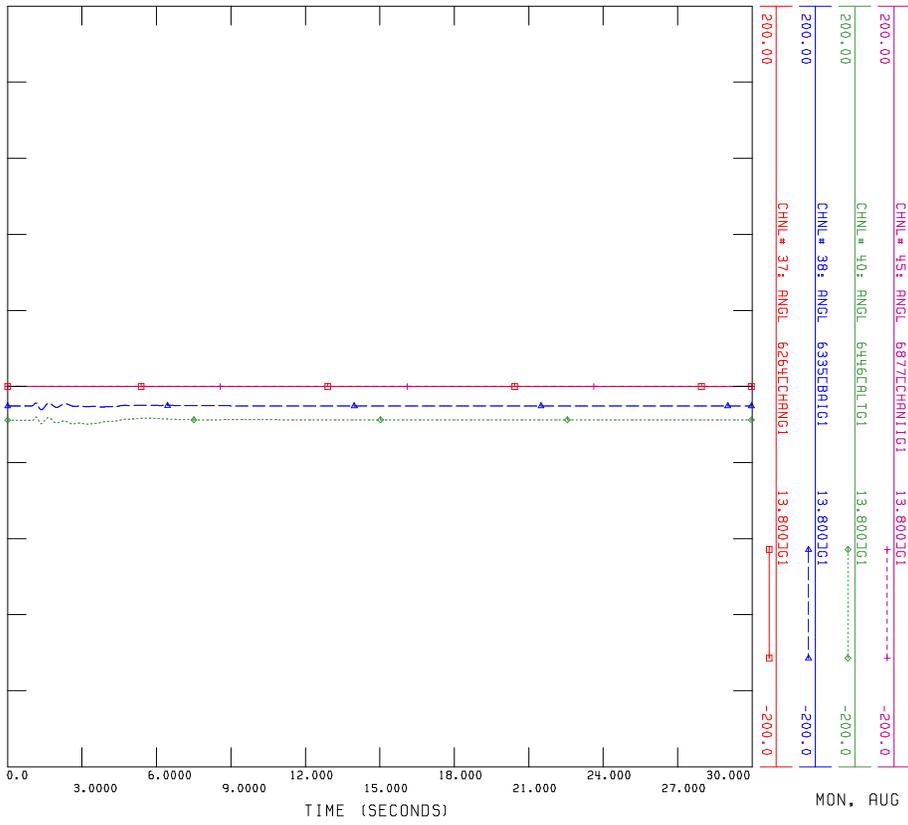


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P016 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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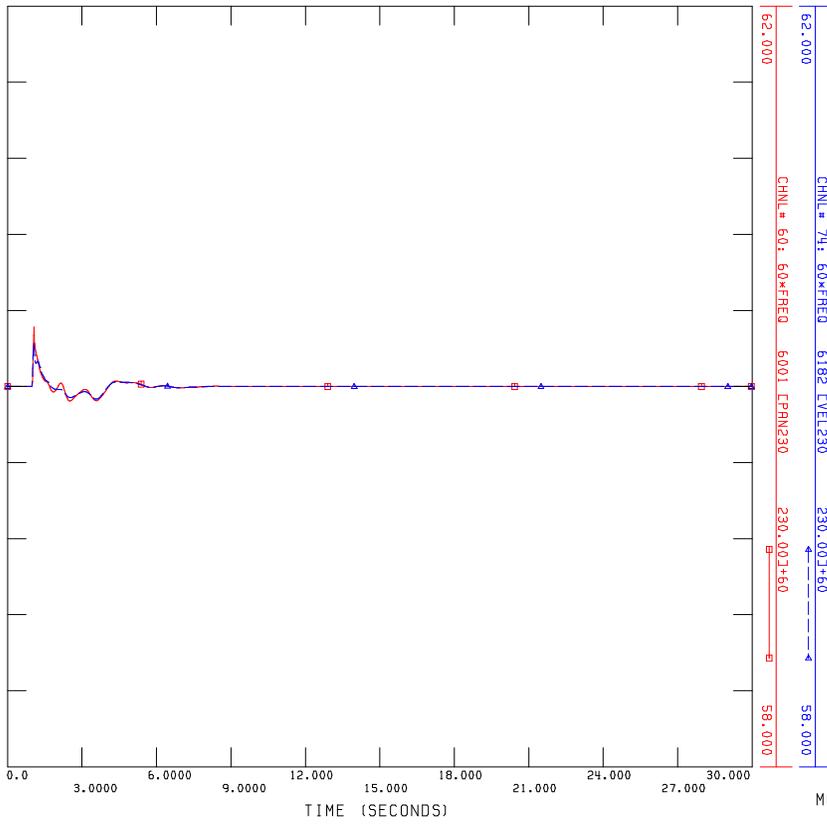


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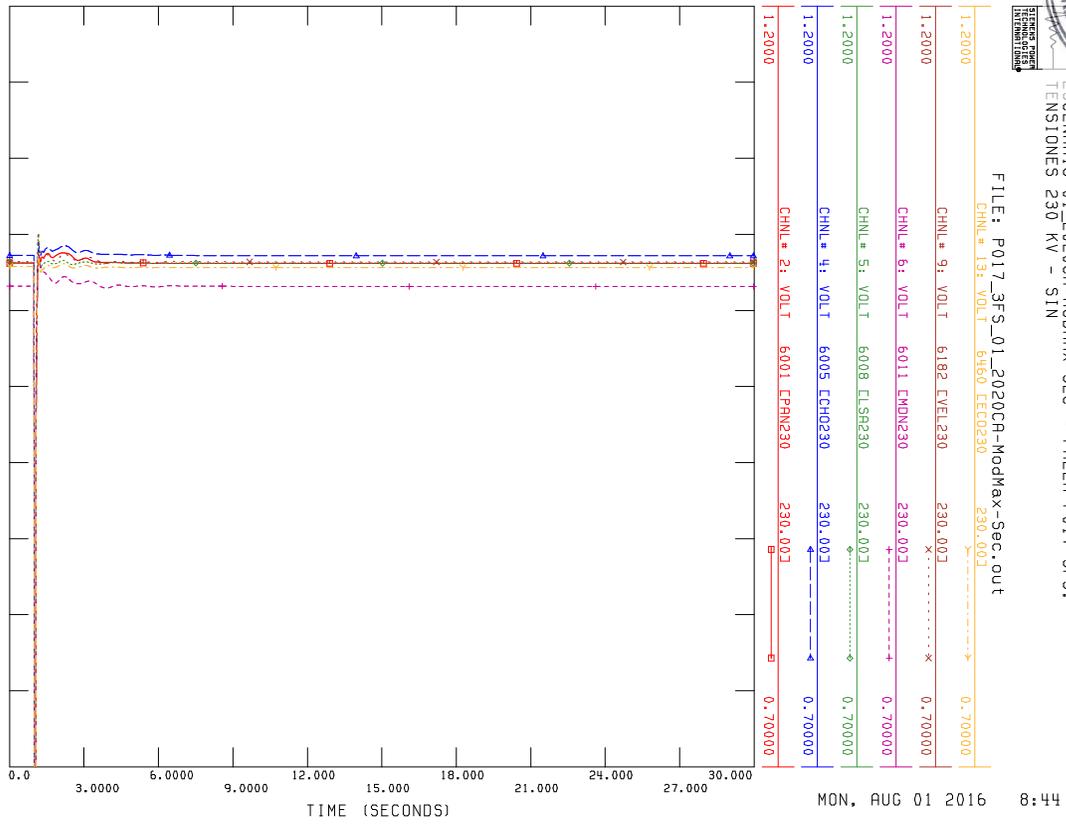


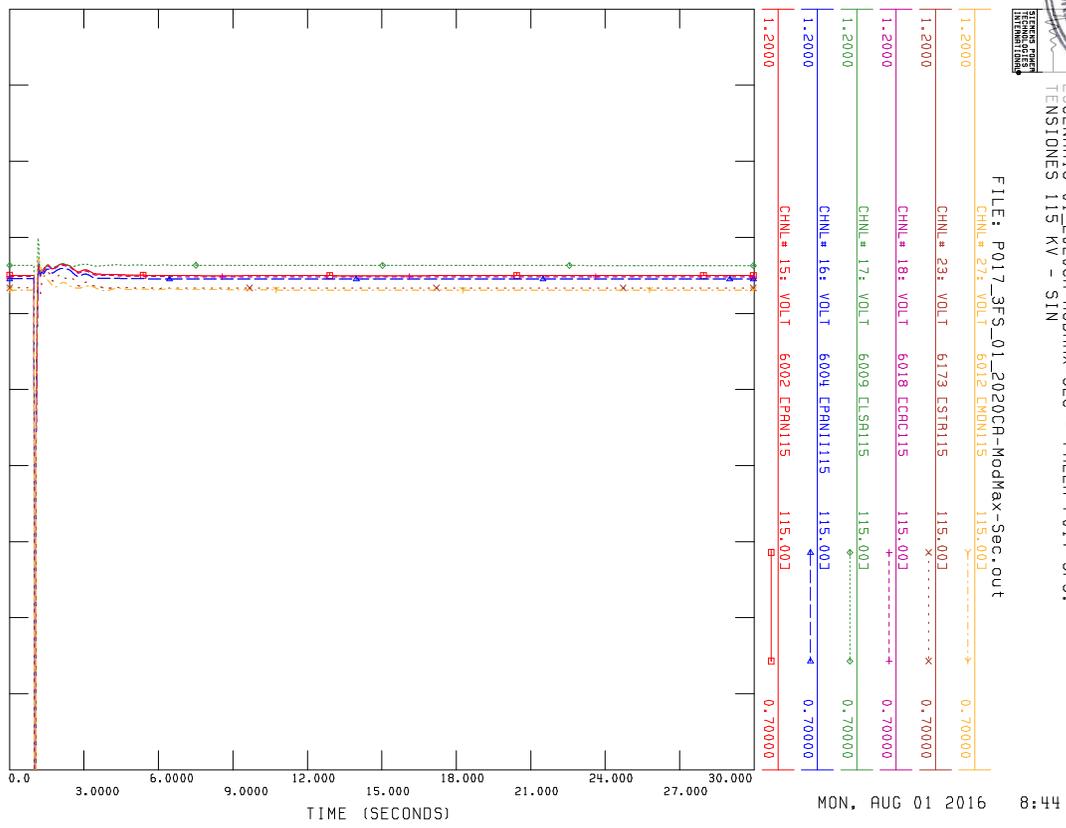
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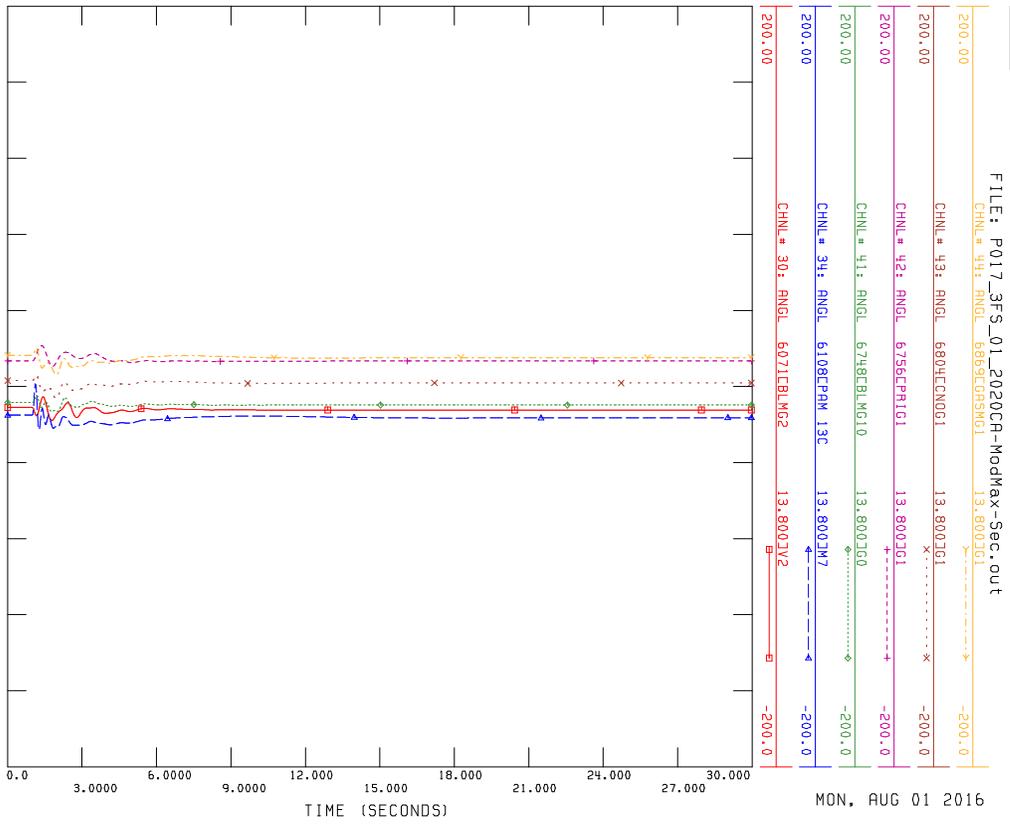
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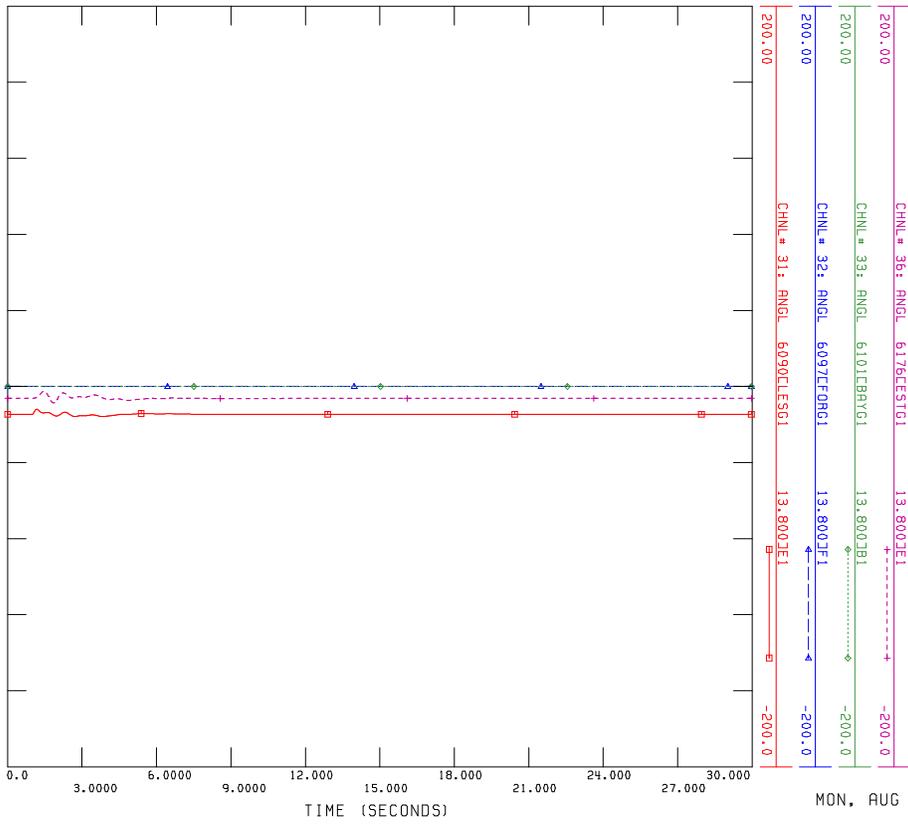




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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P017 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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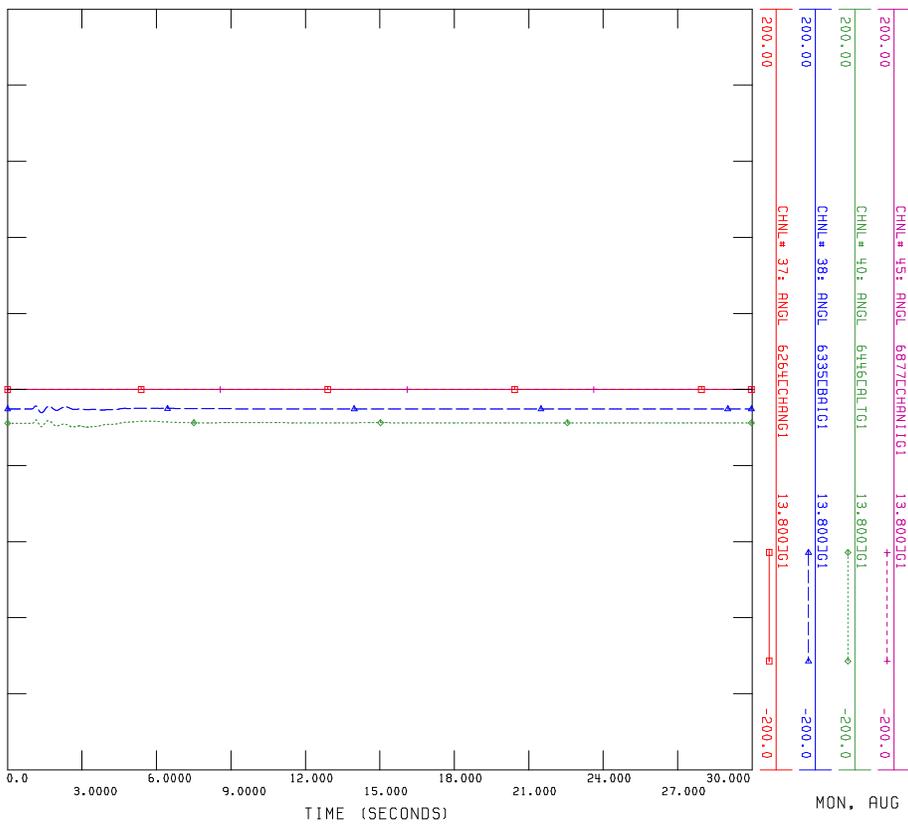


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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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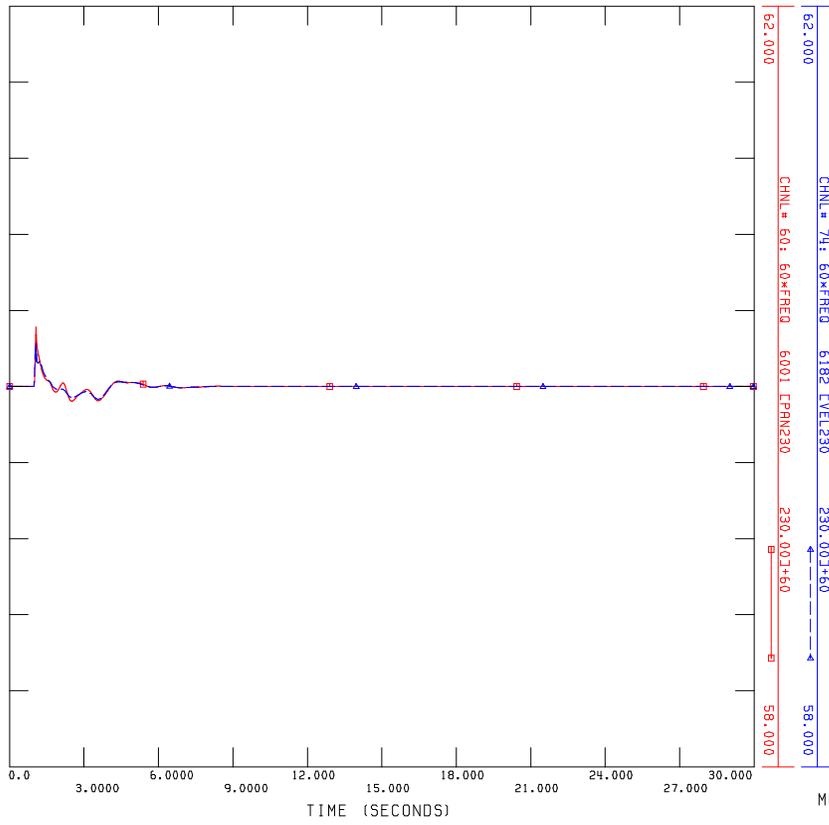


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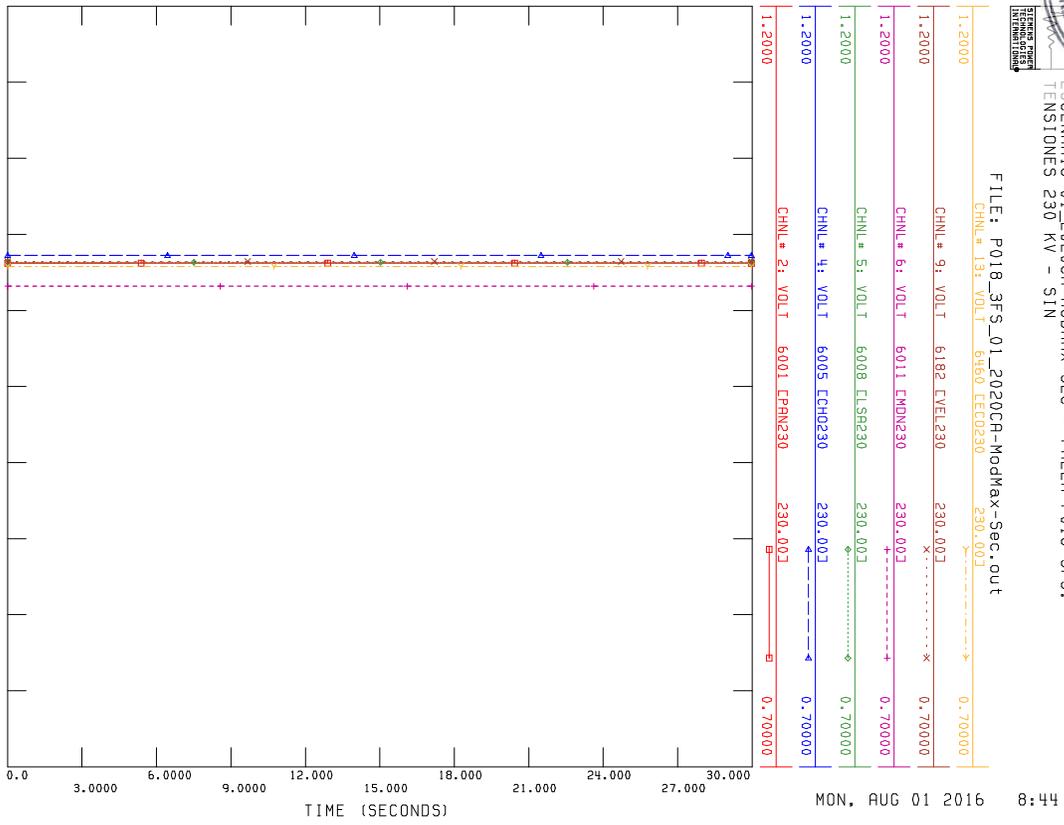


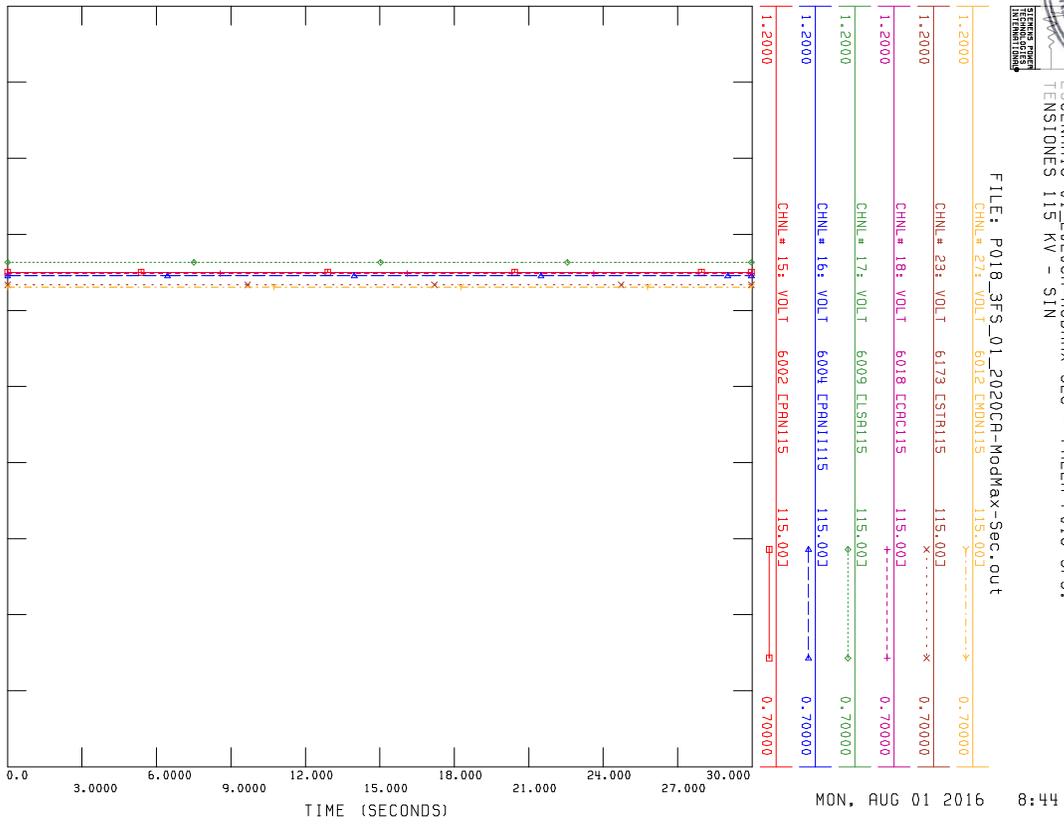
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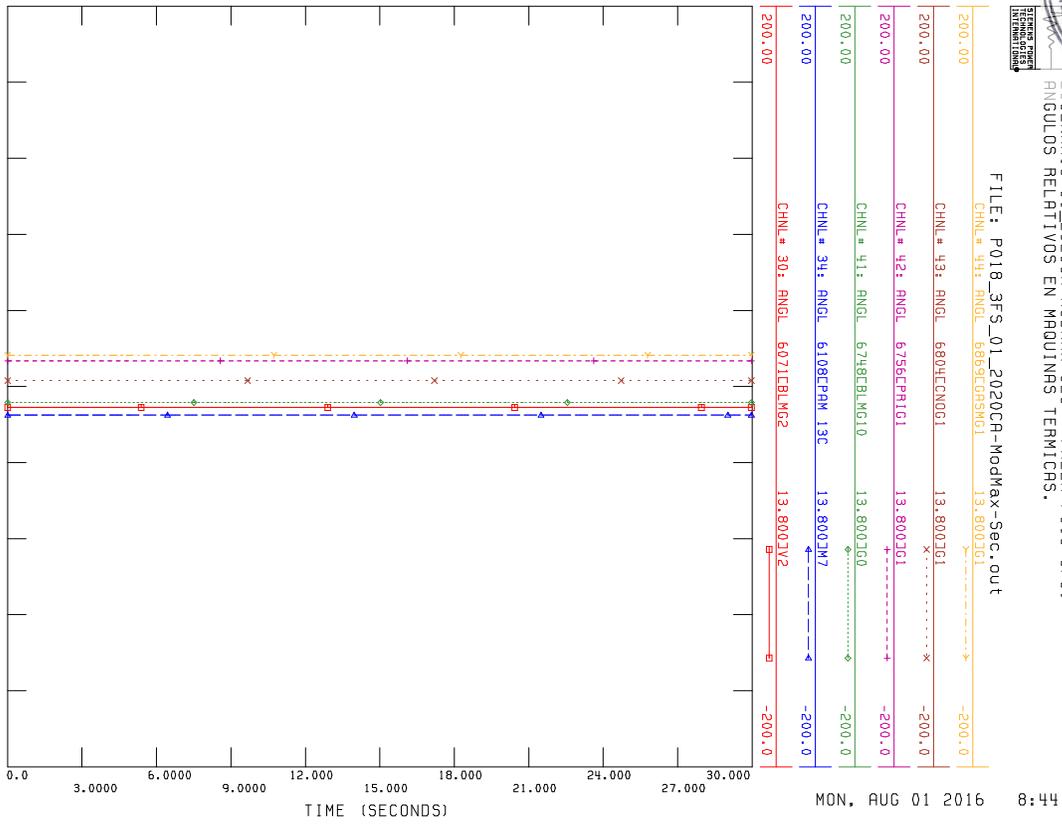
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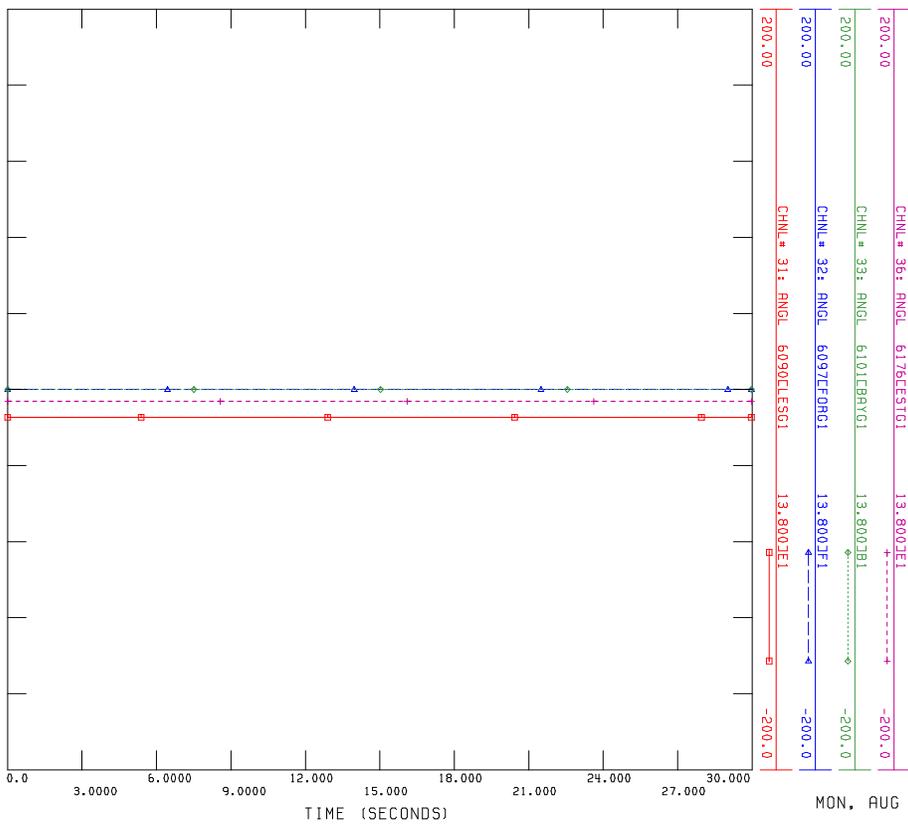






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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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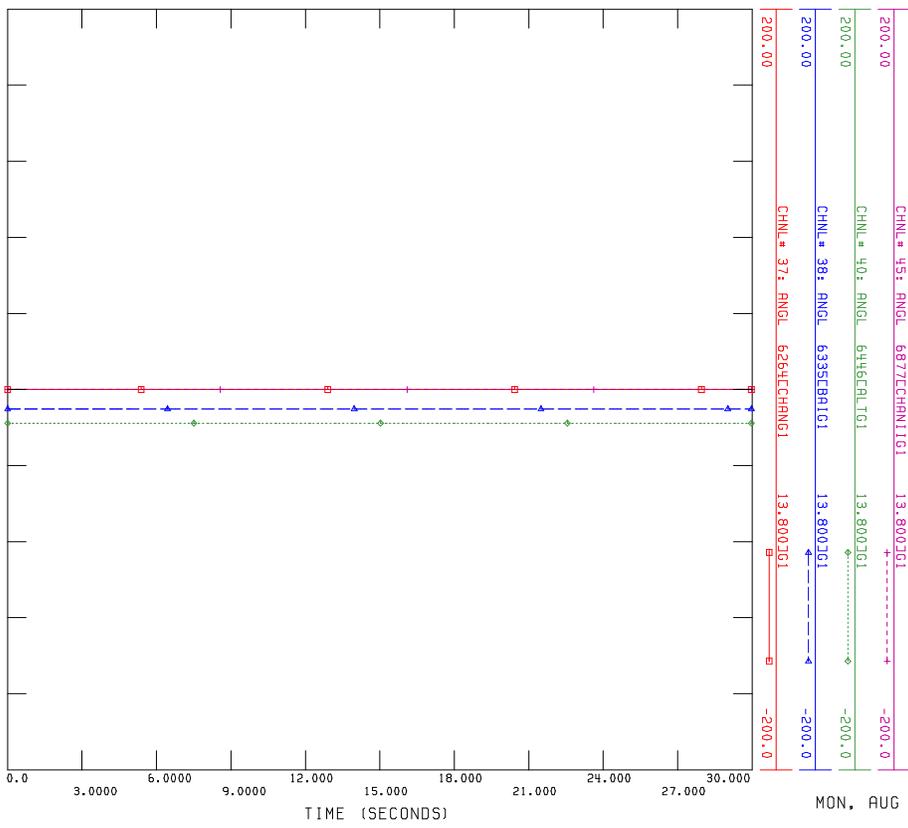


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 ANGULOS RELATIVOS EN MAQUINRS HIDRAULICAS.

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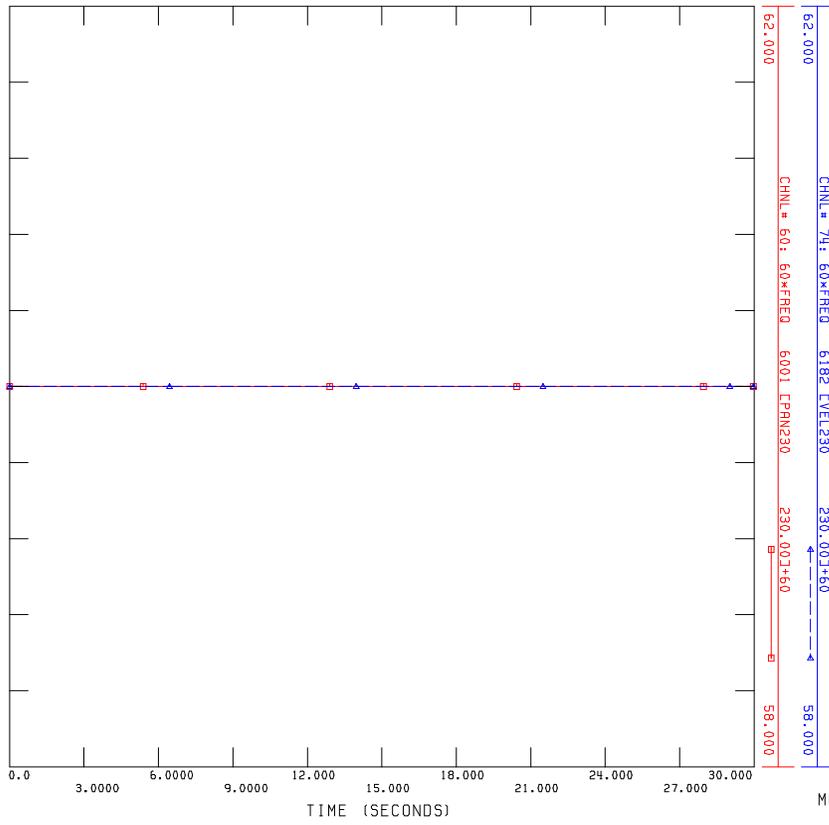
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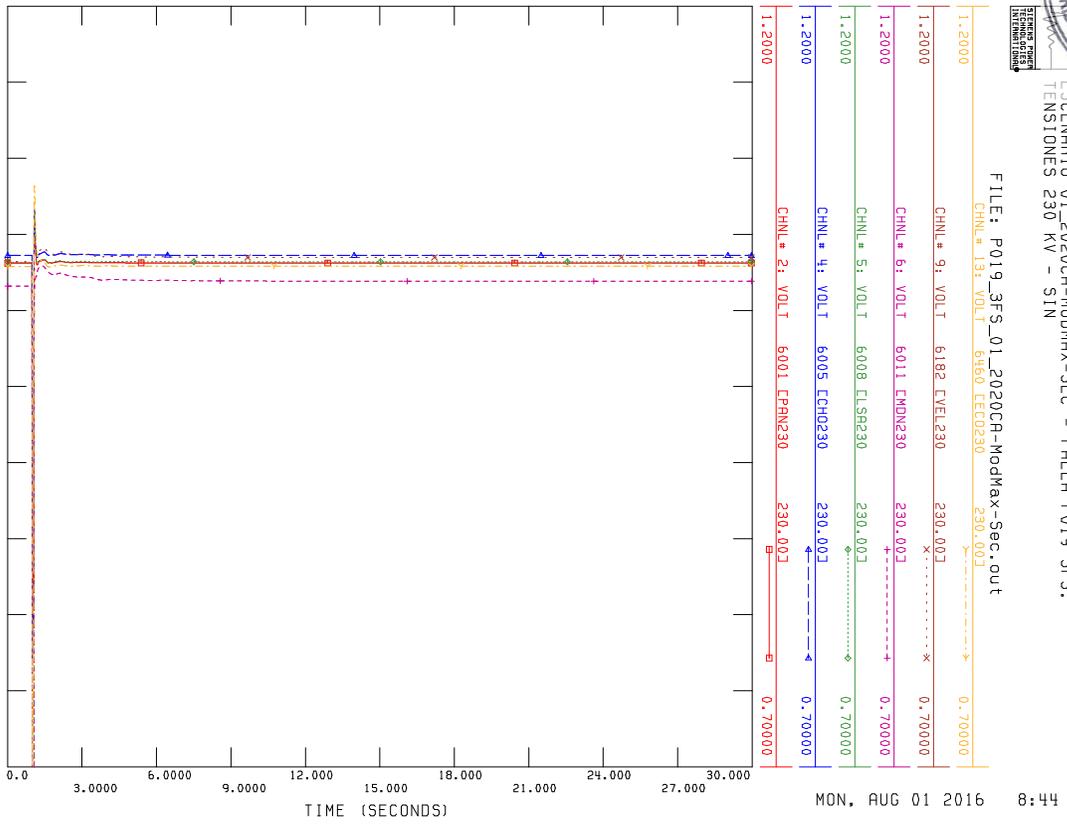
REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

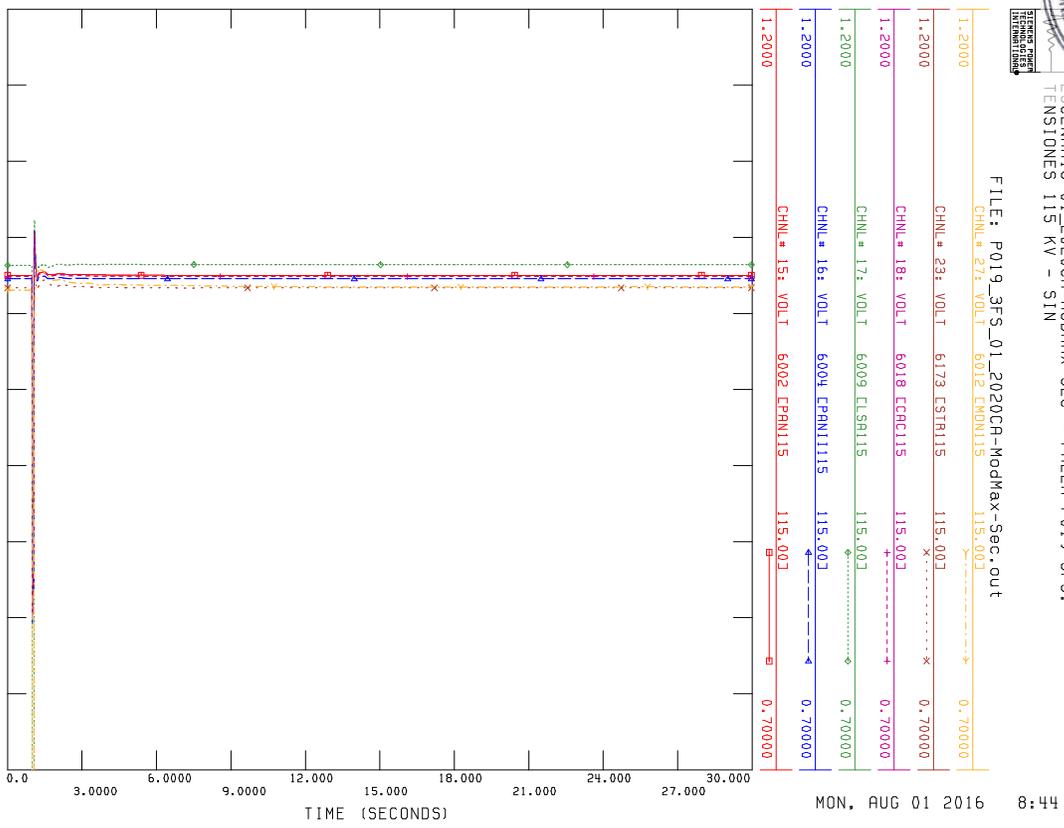
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FRECUENCIAS.

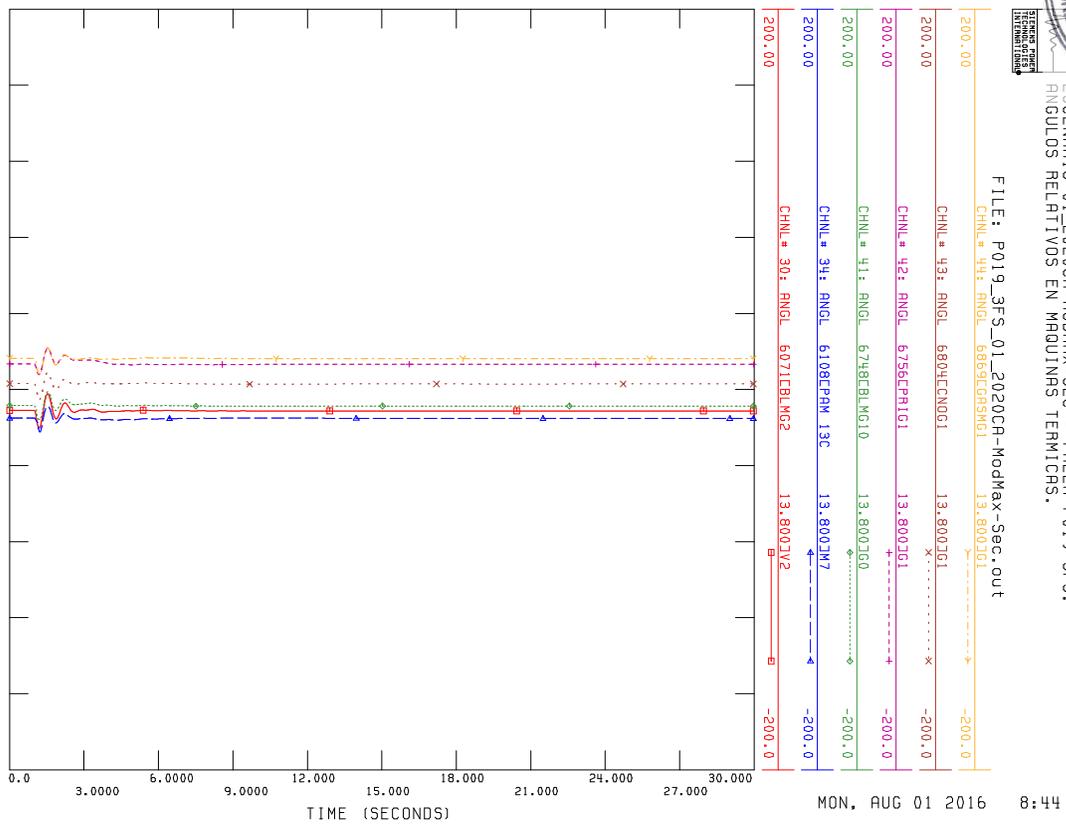
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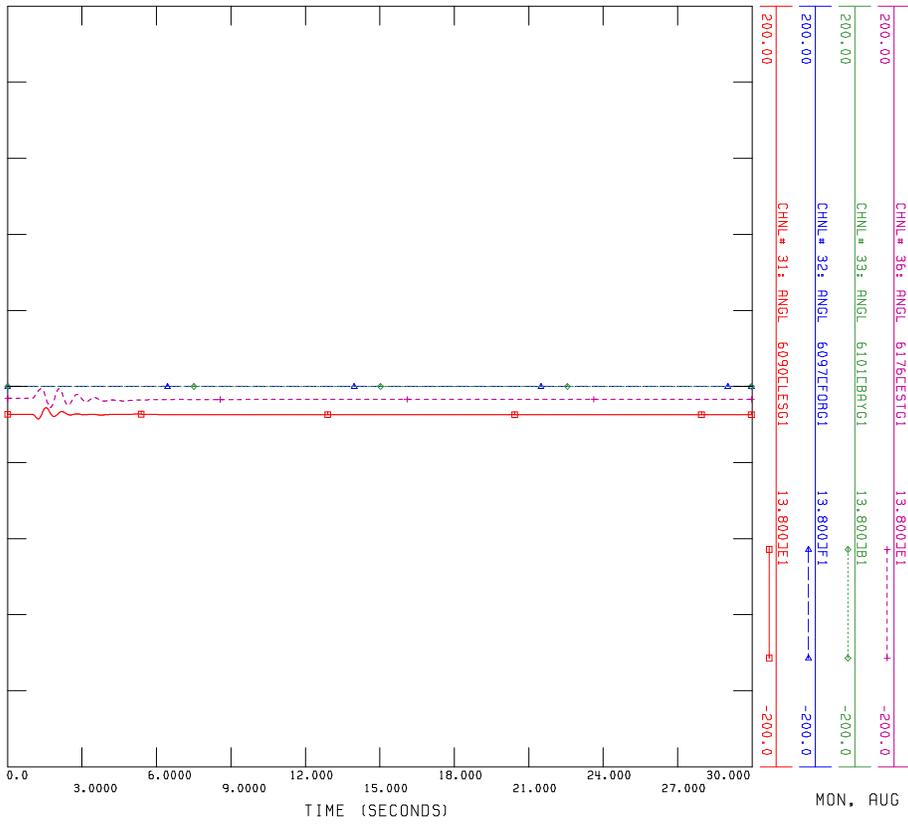






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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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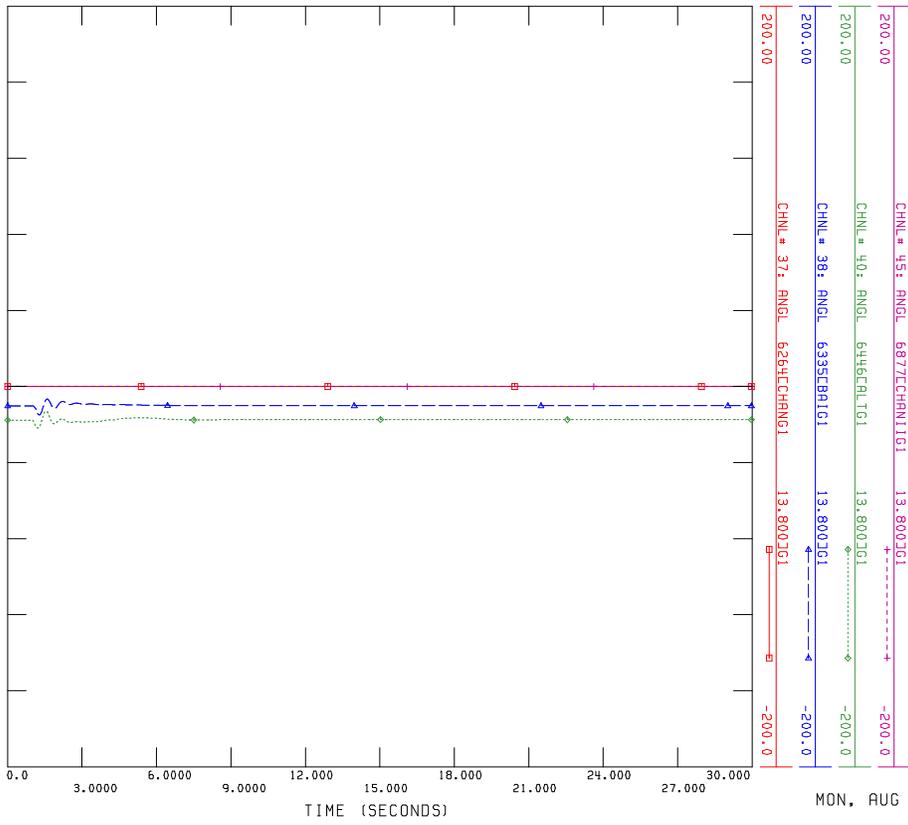


MON, AUG 01 2016 8:44



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 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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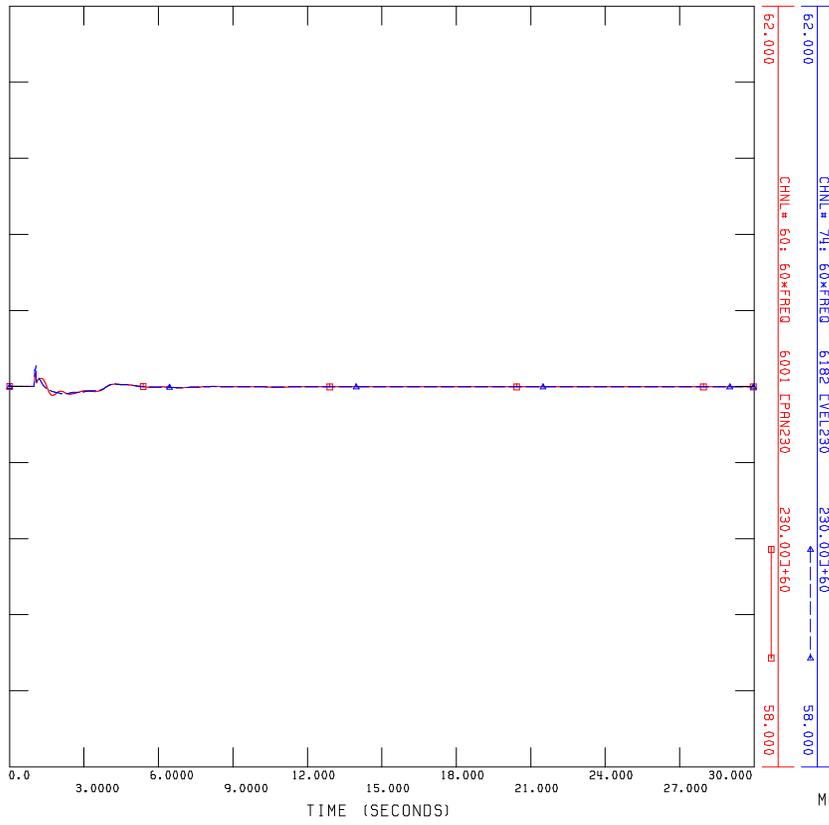
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REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

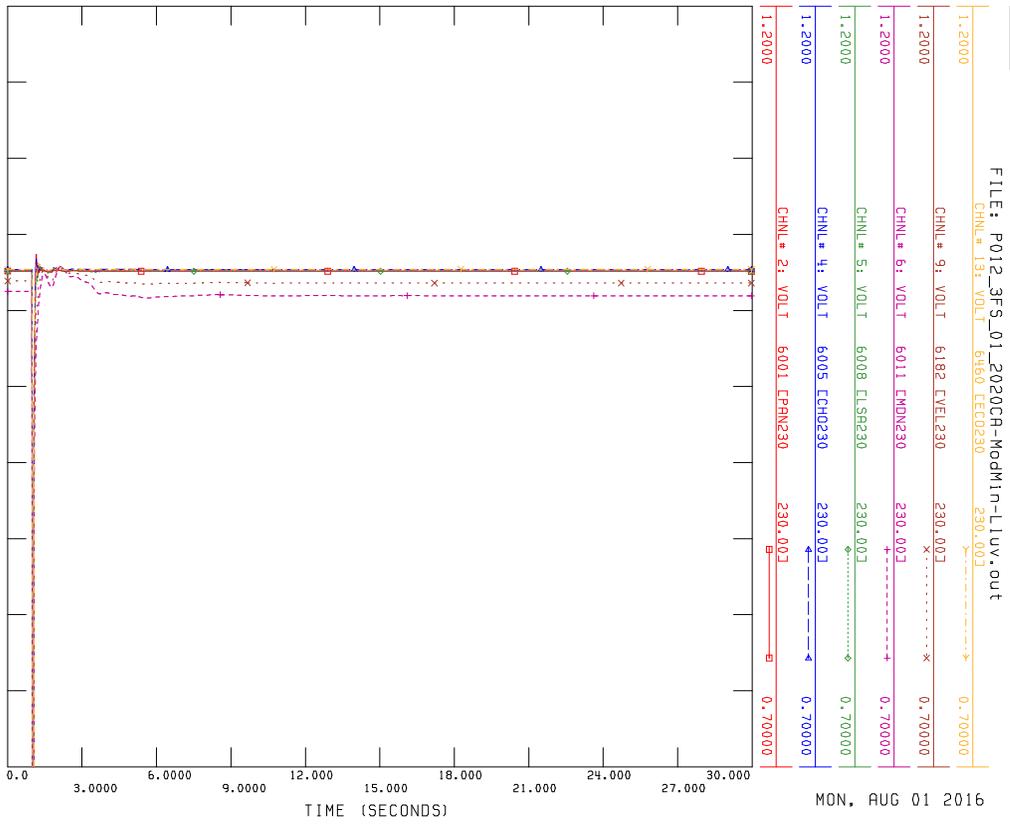
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FRECUENCIAS.

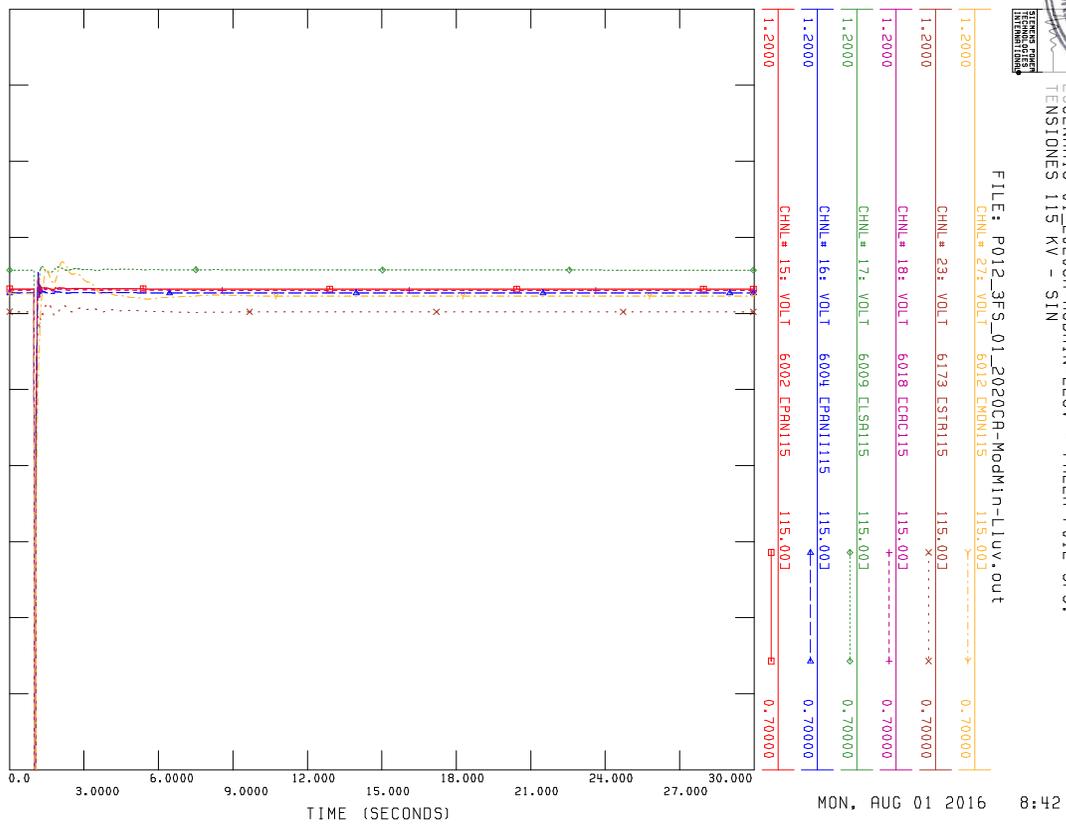
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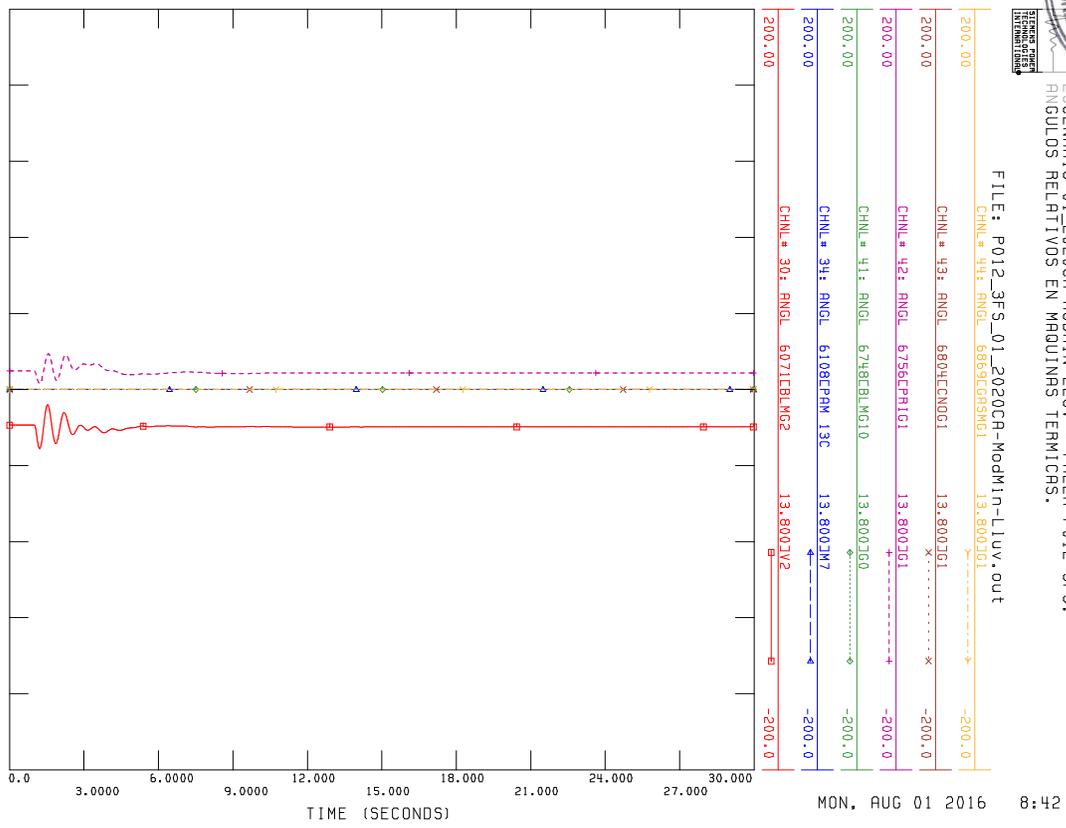




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TENSIONES 230 KV - SIN





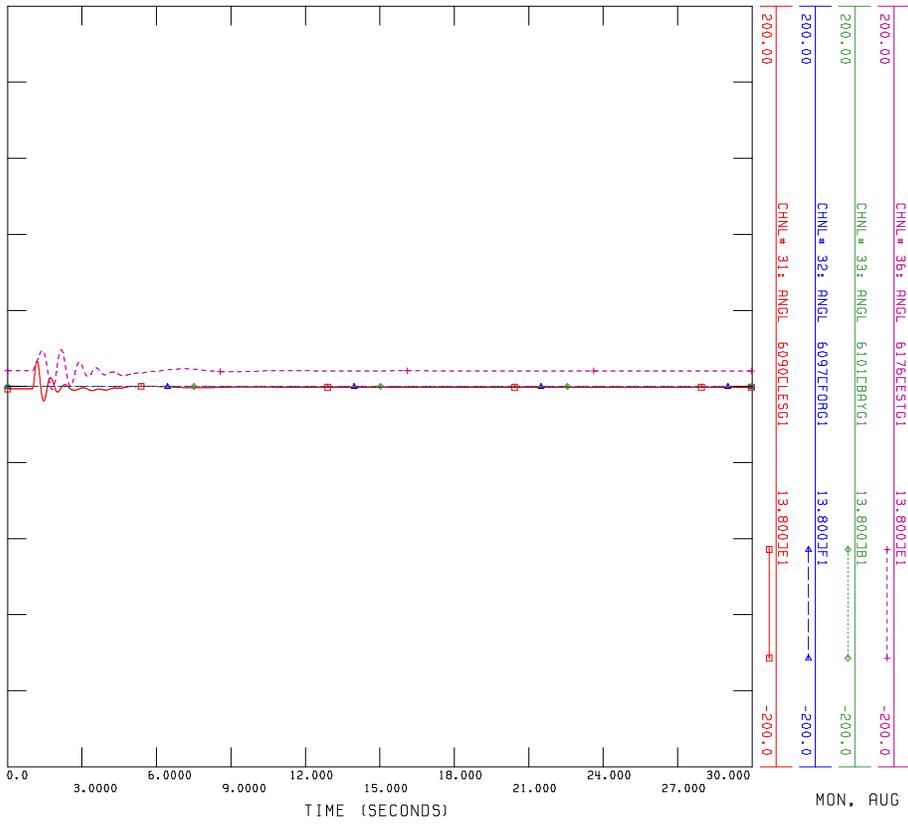




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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P012 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P012\_SFS\_01\_2020CR-ModMin-Luv.out



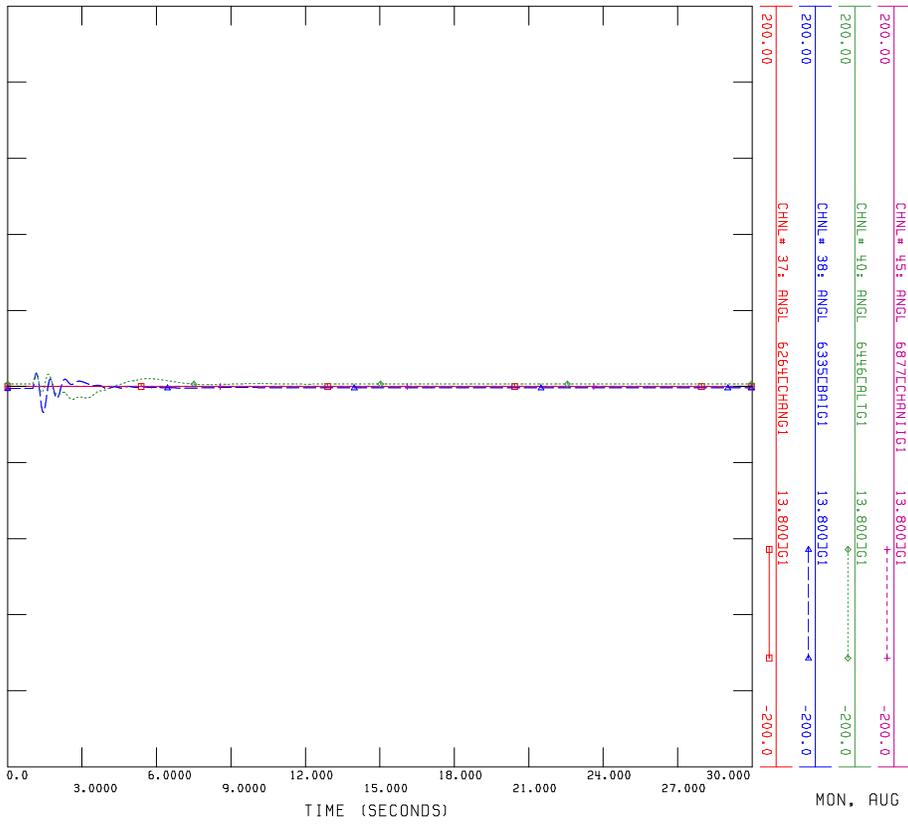
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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P012 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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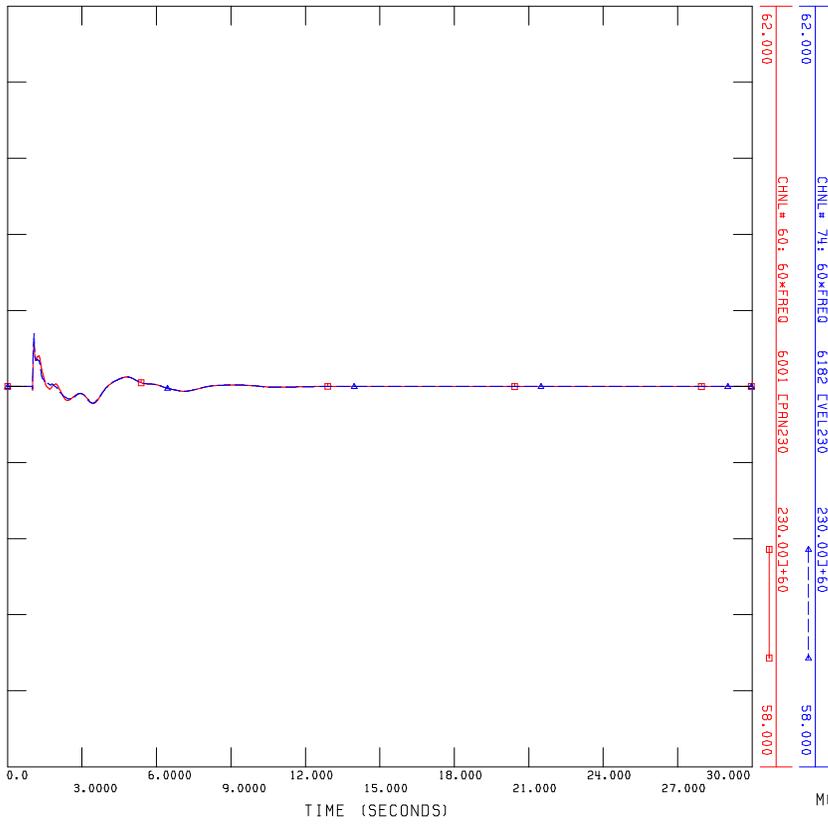
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REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

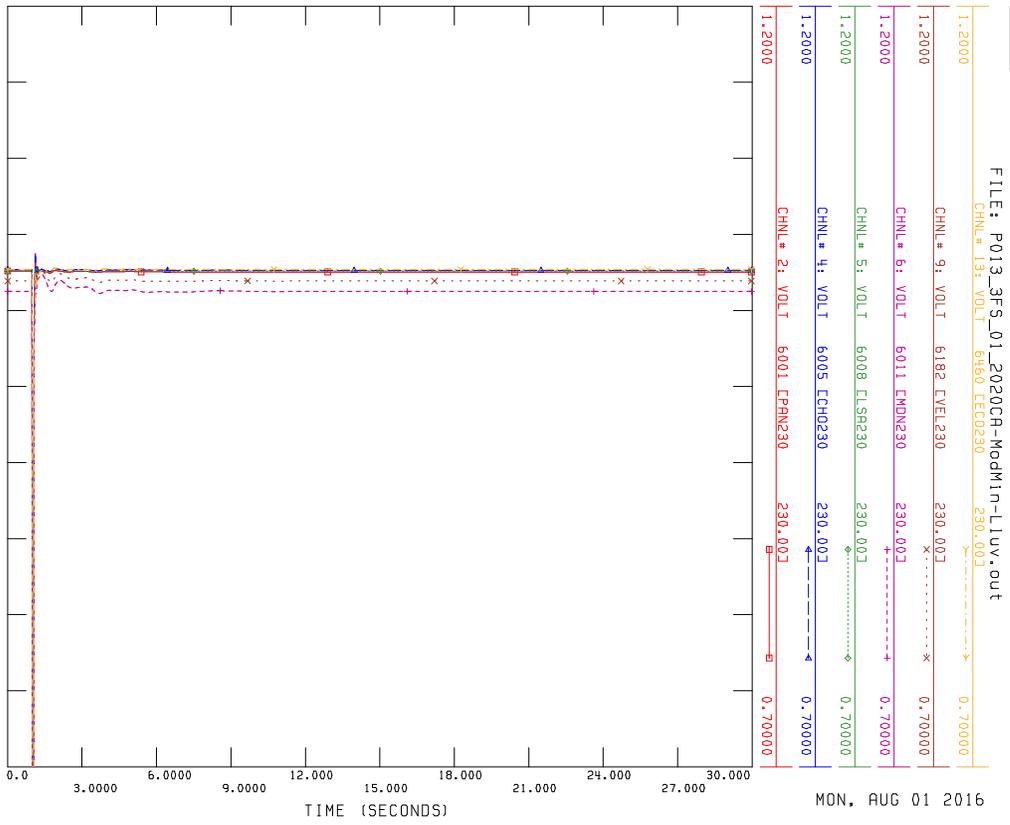
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FRECUENCIAS.

FILE: P012\_SFS\_01\_2020CR-ModMin-Luv.out





ESCENARIO 01\_2020CR-MODM1N-LLUV - FALTA P013 3FS.  
TENSIONES 230 KV - SIN

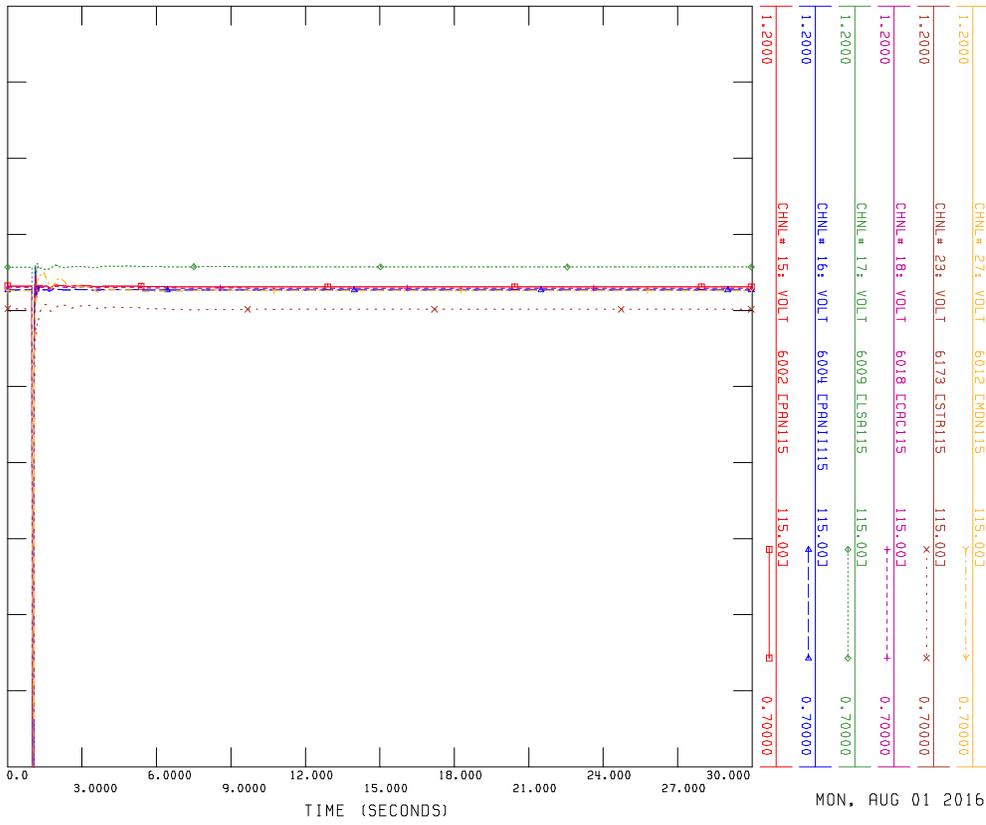


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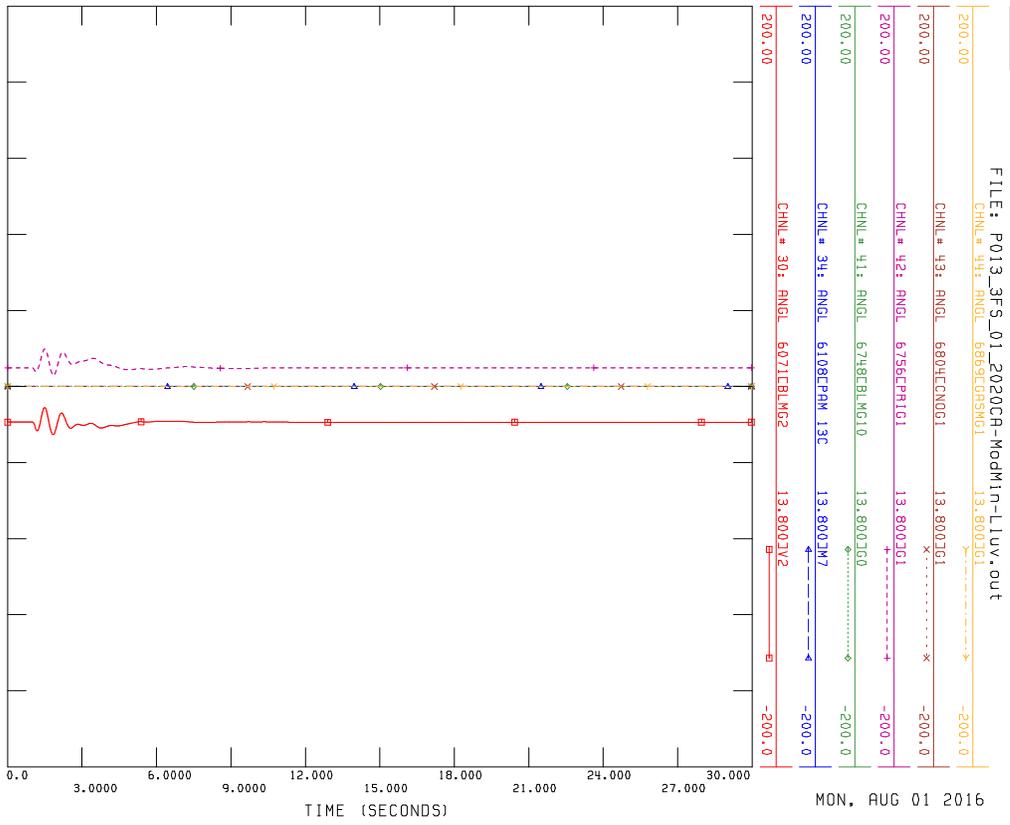
ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P013 3FS.  
TENSIONES 115 KV - SIN

FILE: P013\_3FS\_01\_2020CR-MODMIN-LLUV.out





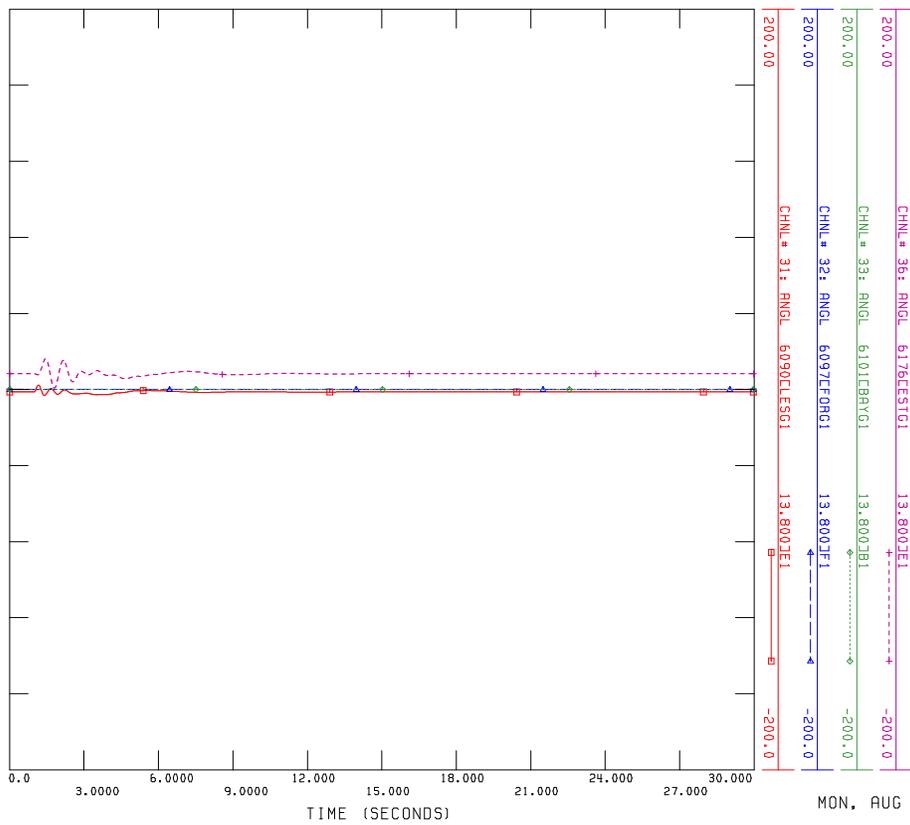
ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P013\_3FS\_01\_2020CR-MODMIN-LUV.out



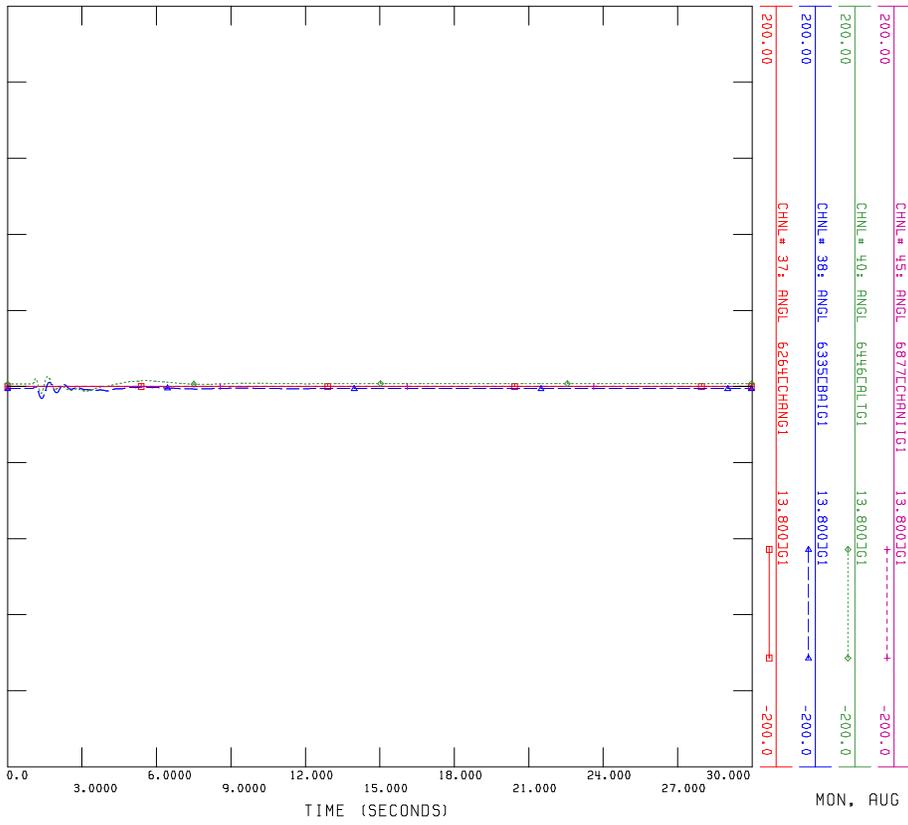
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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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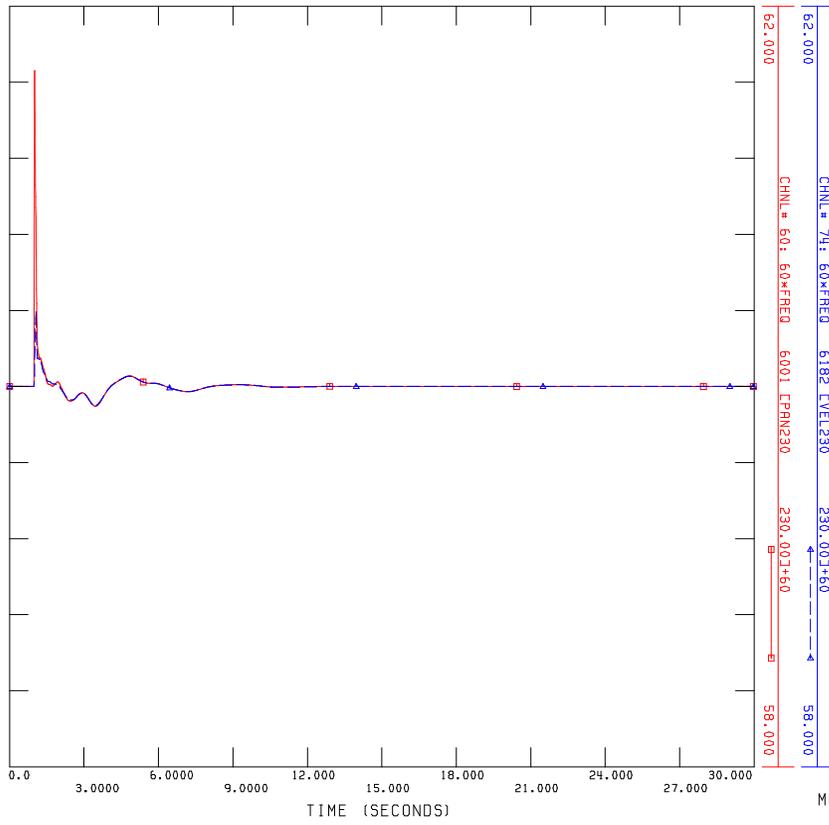
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REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P013 3FS.  
FRECUENCIAS.

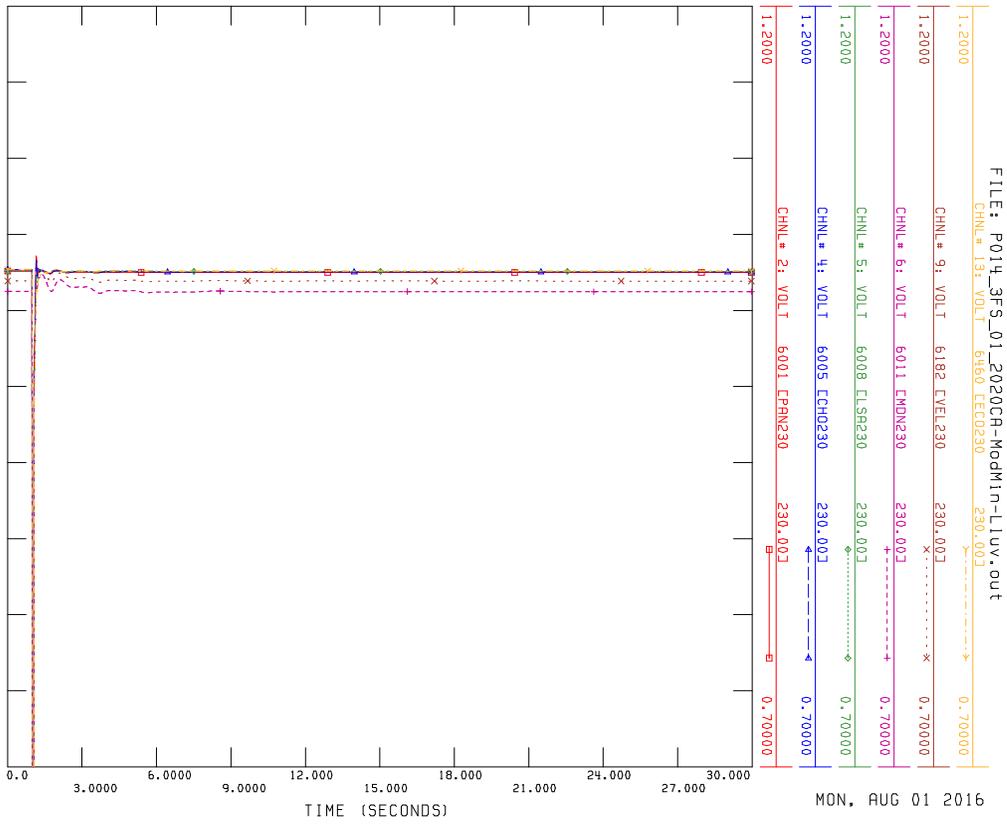
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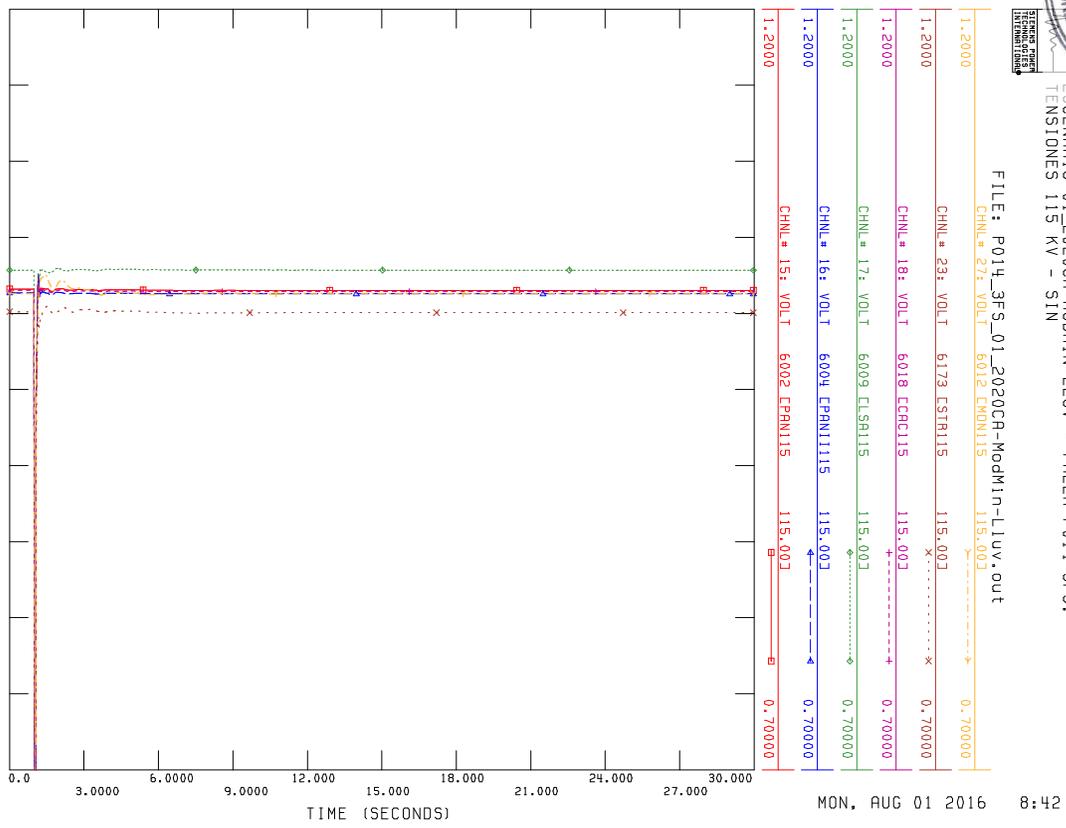


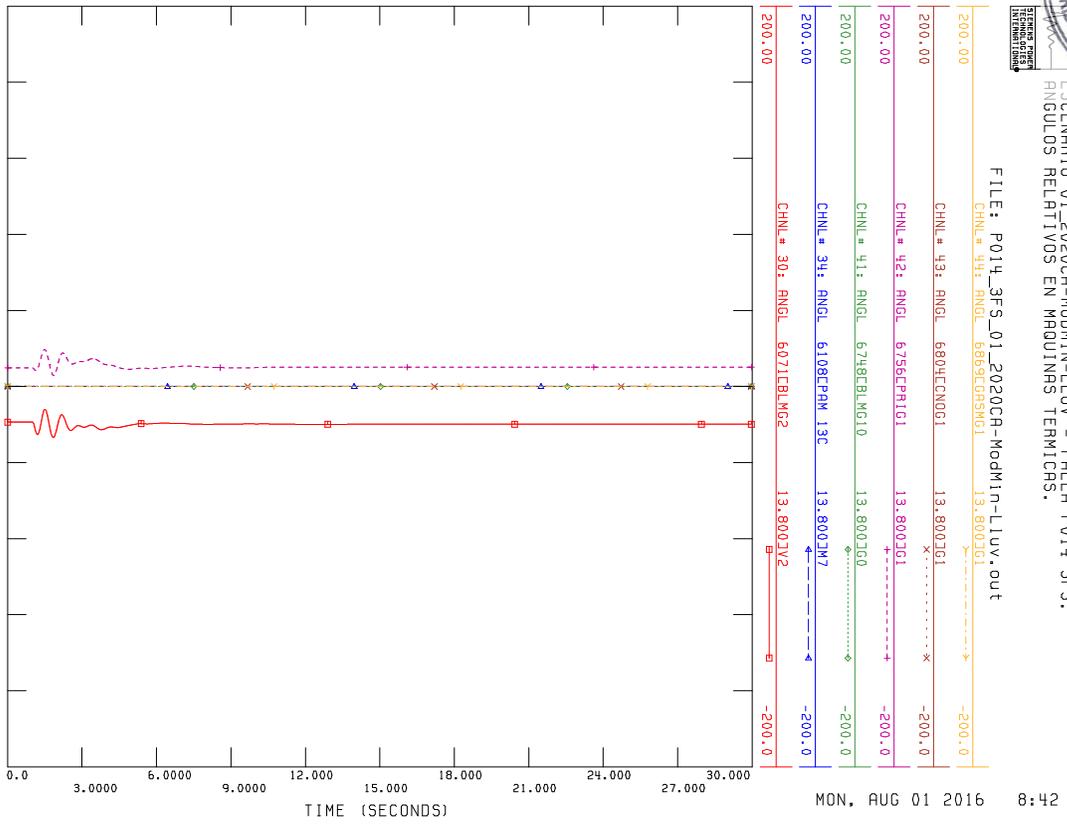
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ESCENARIO 01\_2020CR-MODM1N-LLUV - FALLA P014\_3FS.  
TENSIONES 230 KV - SIN



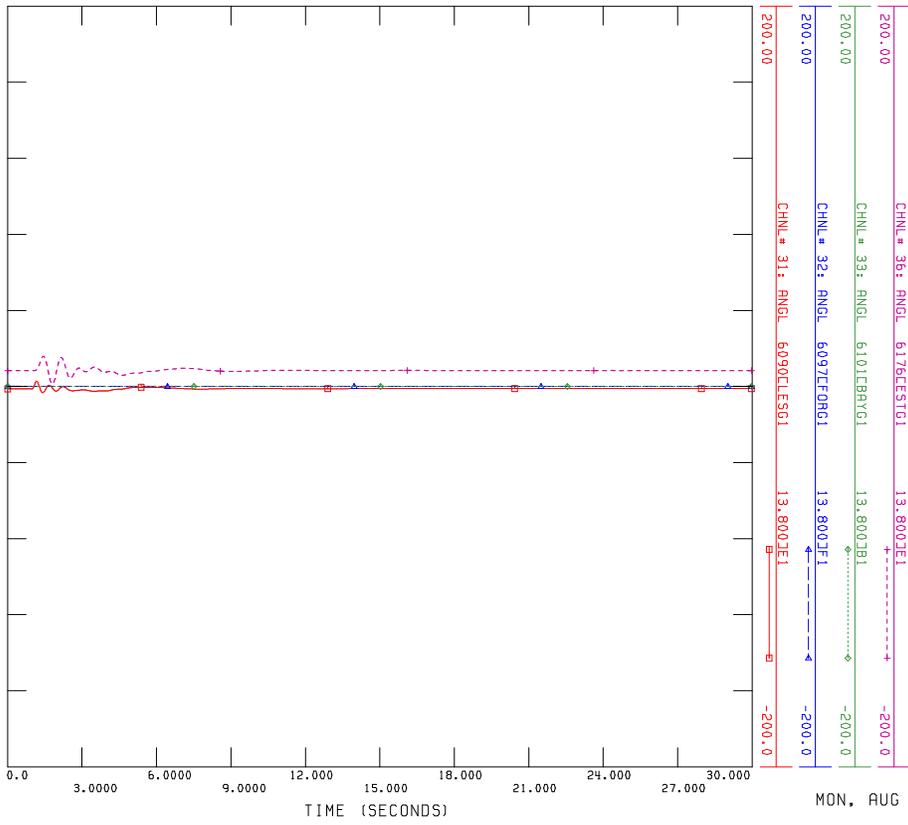






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 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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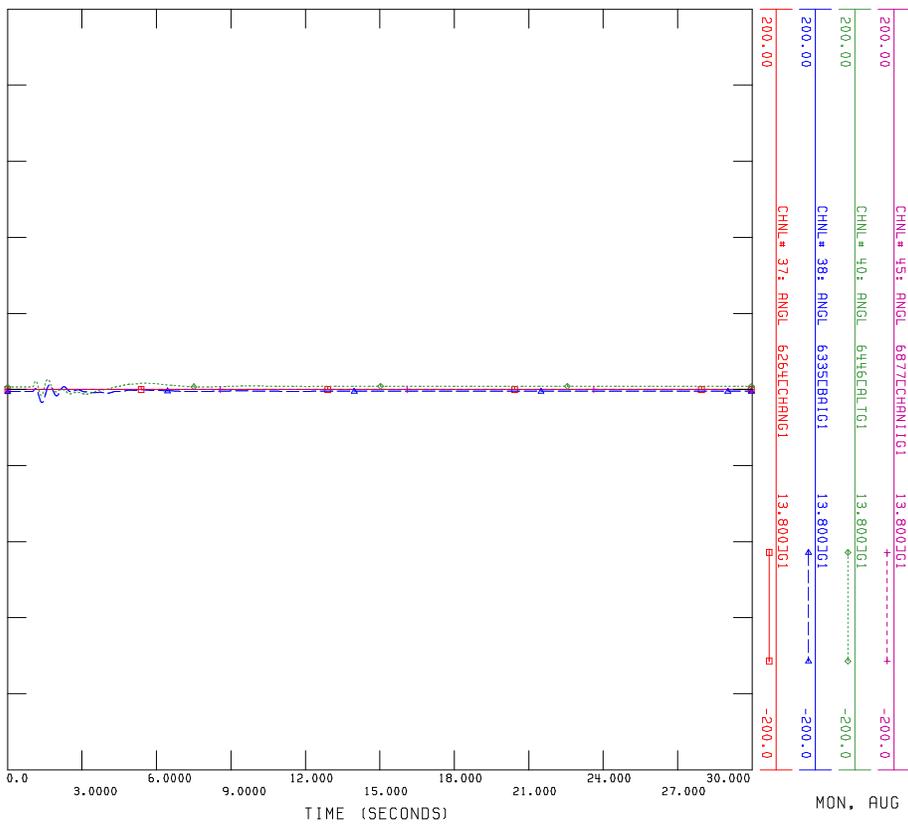


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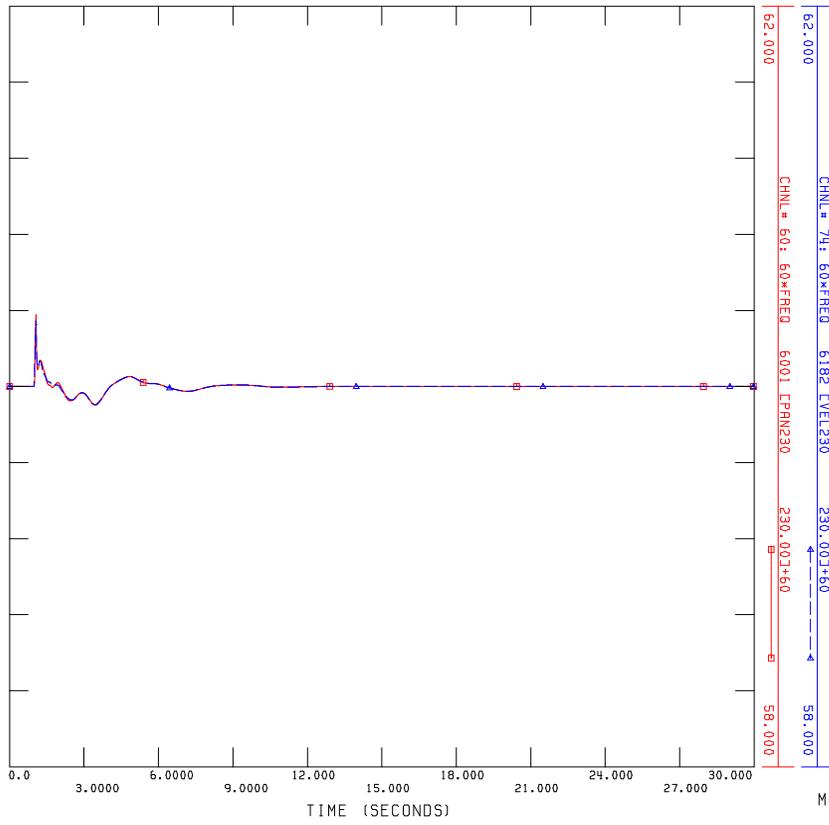
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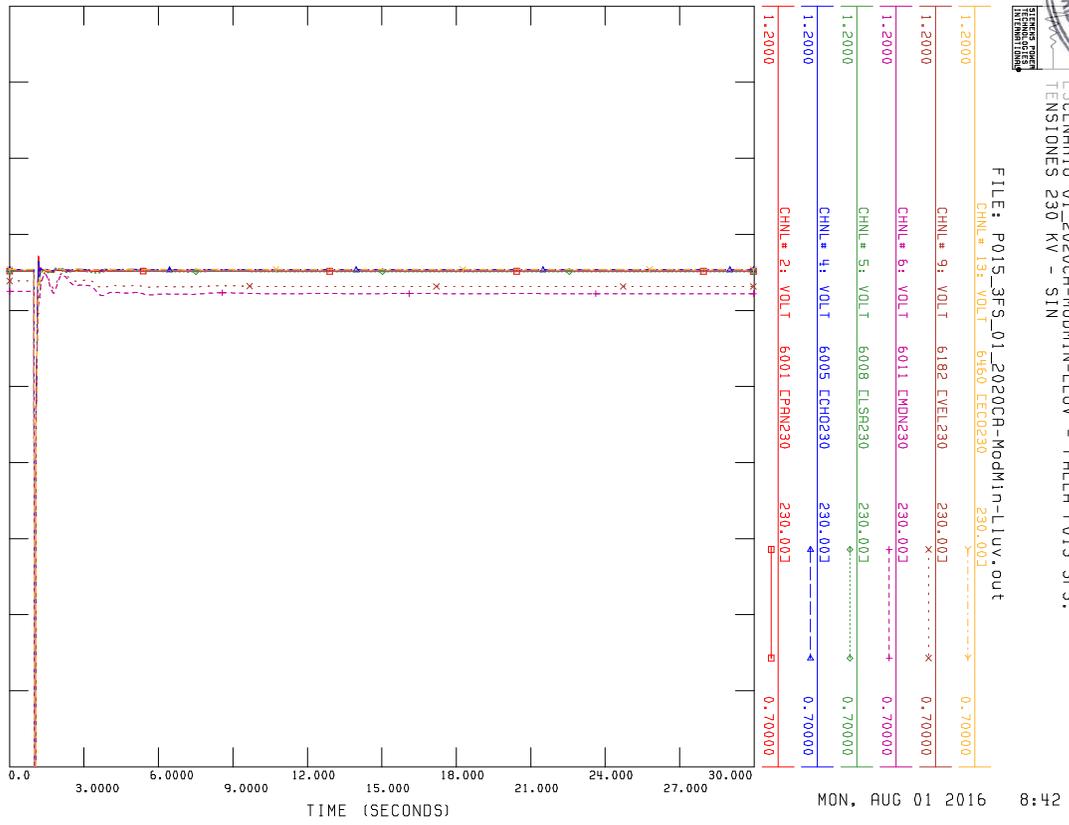


ESCENARIO 01\_2020CR-MODMIN-LLUV - FILLA P014\_3FS.  
 FRECUENCIAS.

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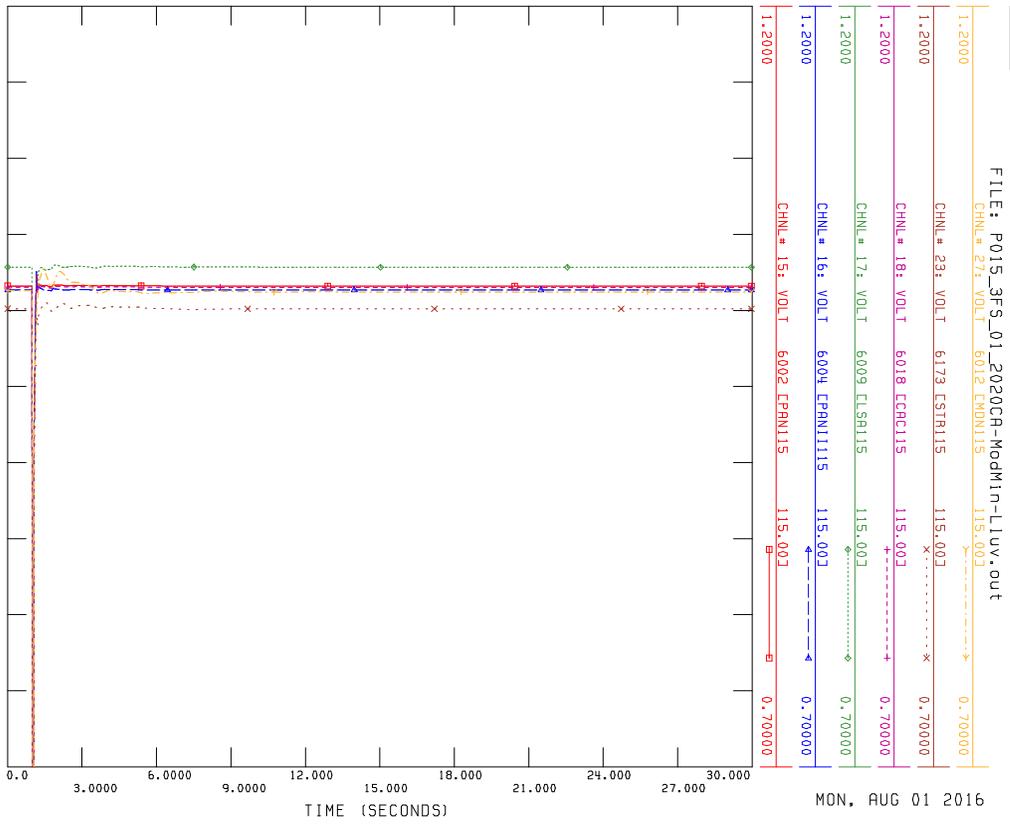


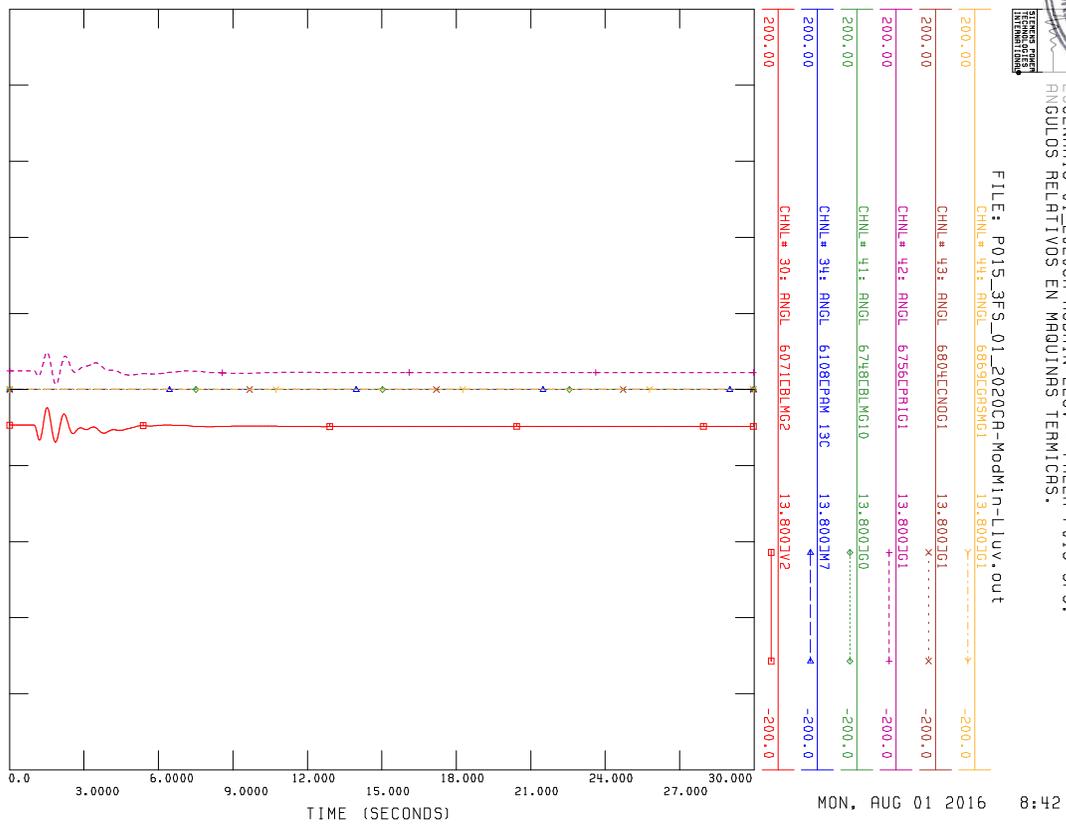
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ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P015 3FS.  
TENSIONES 115 KV - SIN

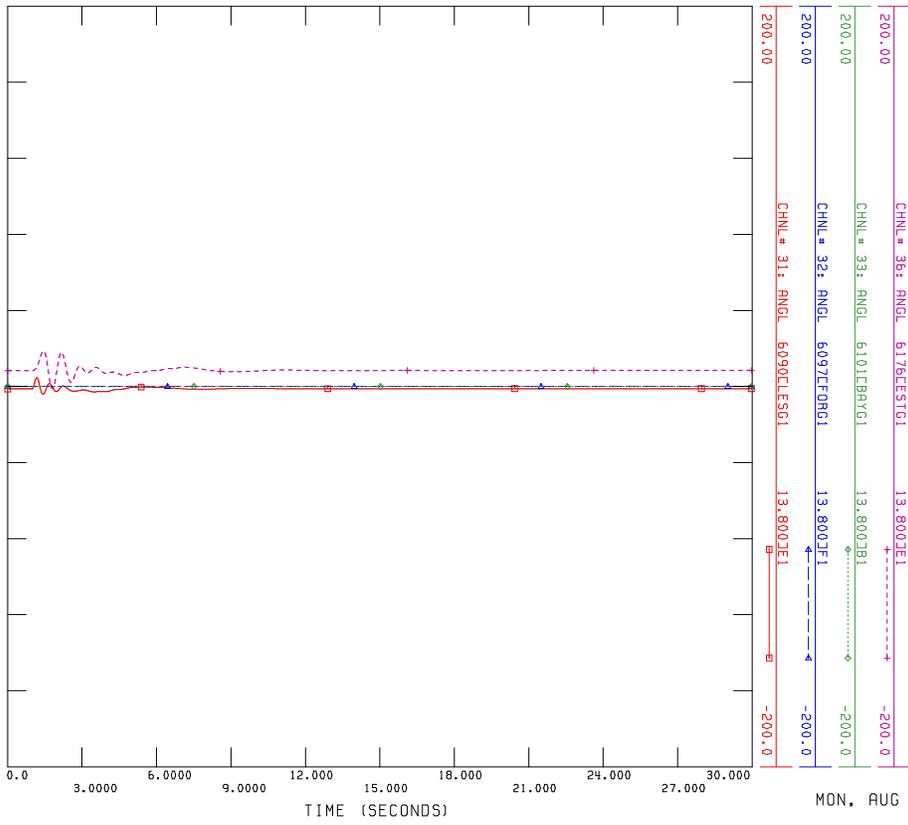






ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P015 3FS.  
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

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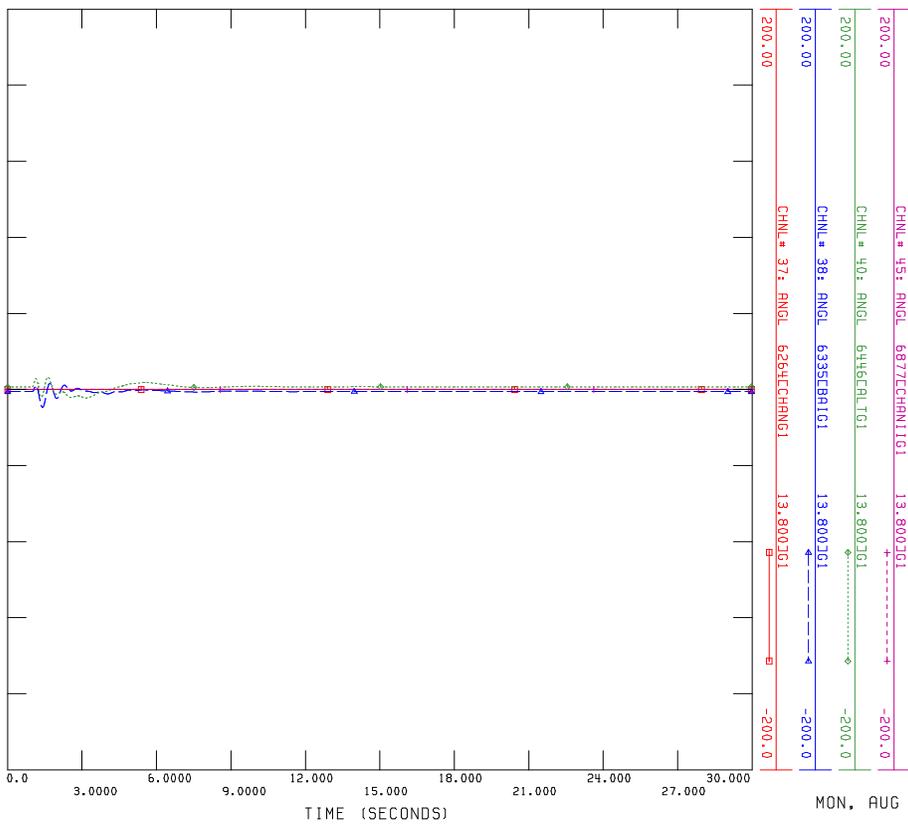


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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P015\_3FS\_01\_2020CR-MODMIN-LUV.out



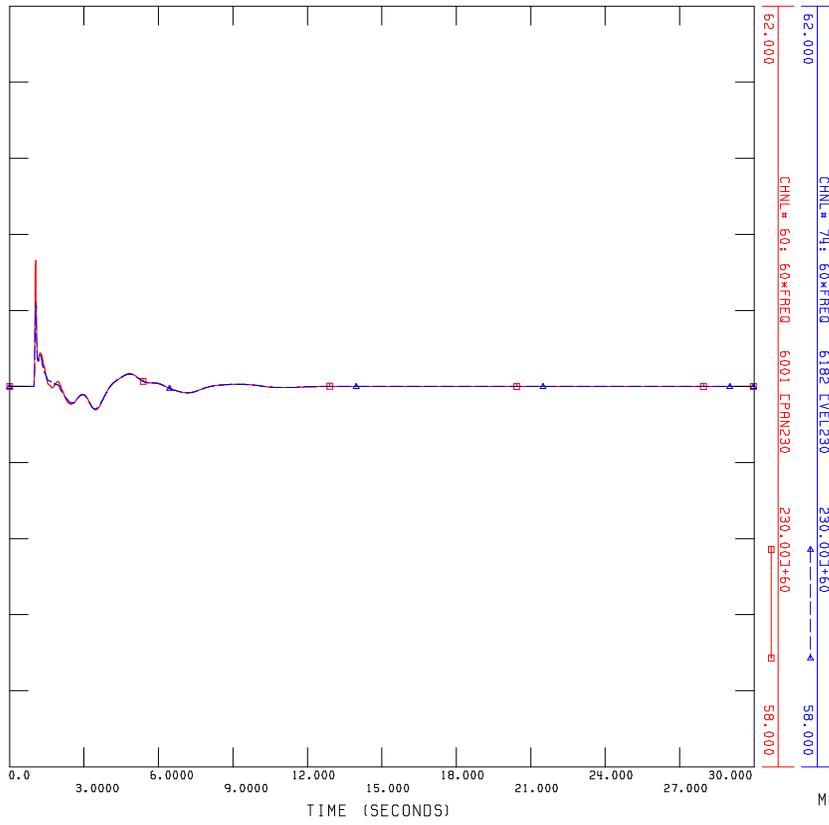
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AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P015 3FS.  
FRECUENCIAS.

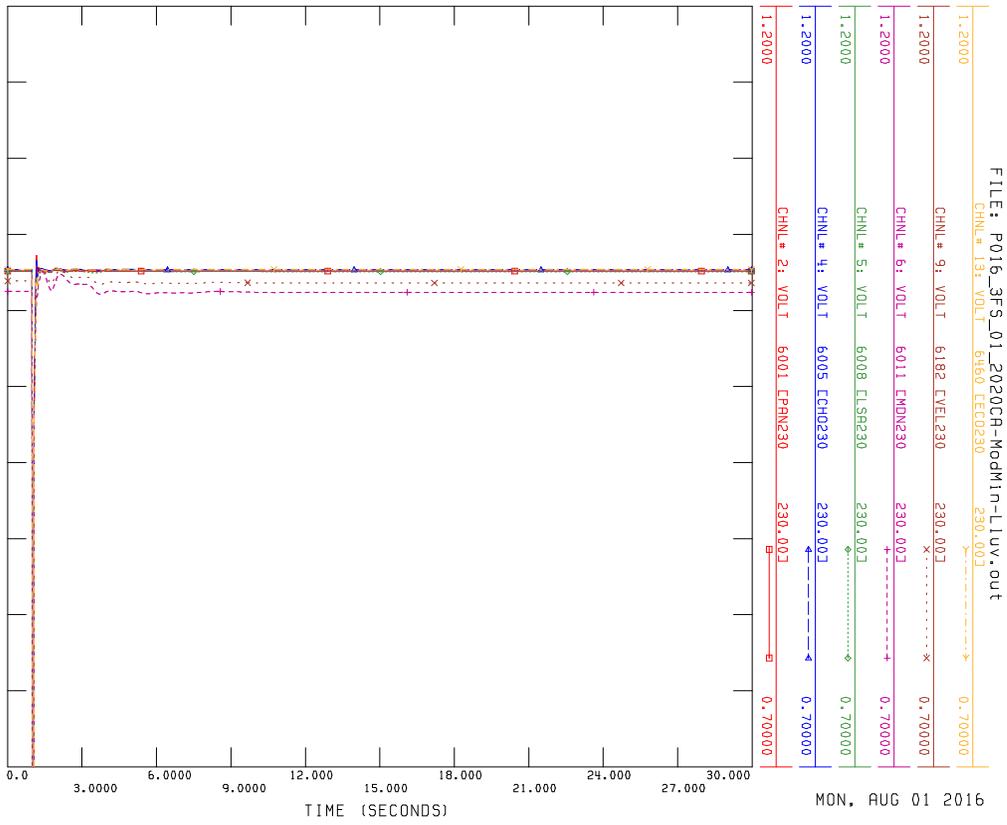
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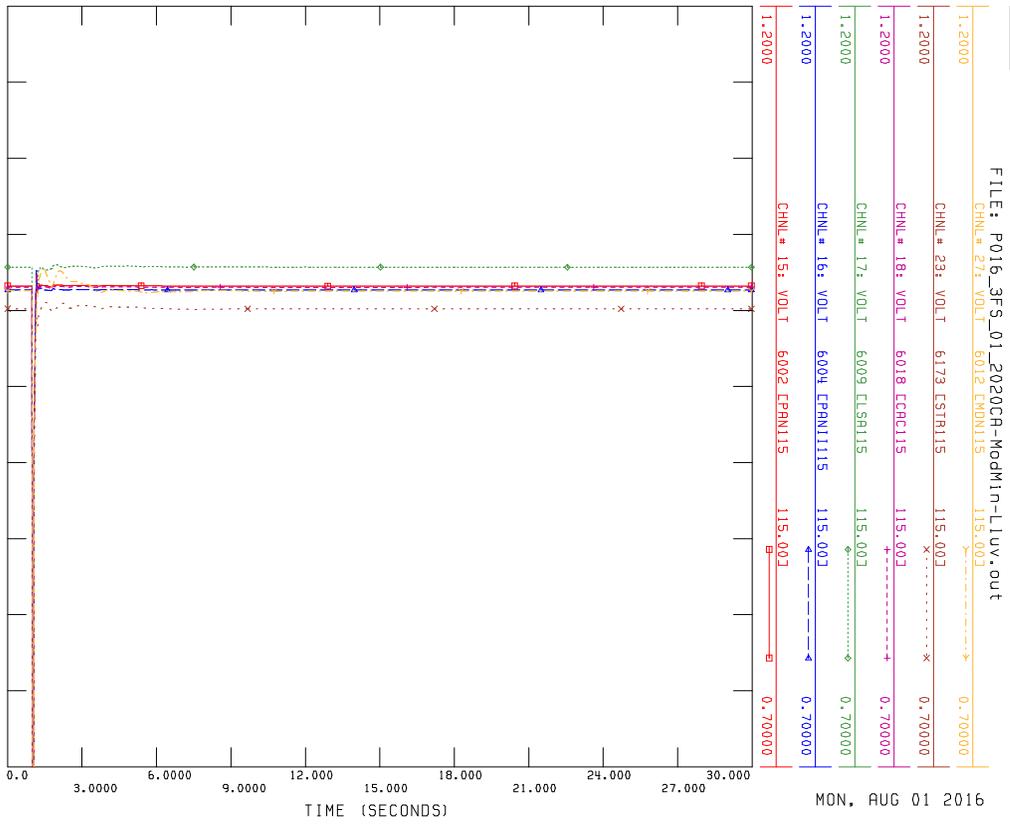


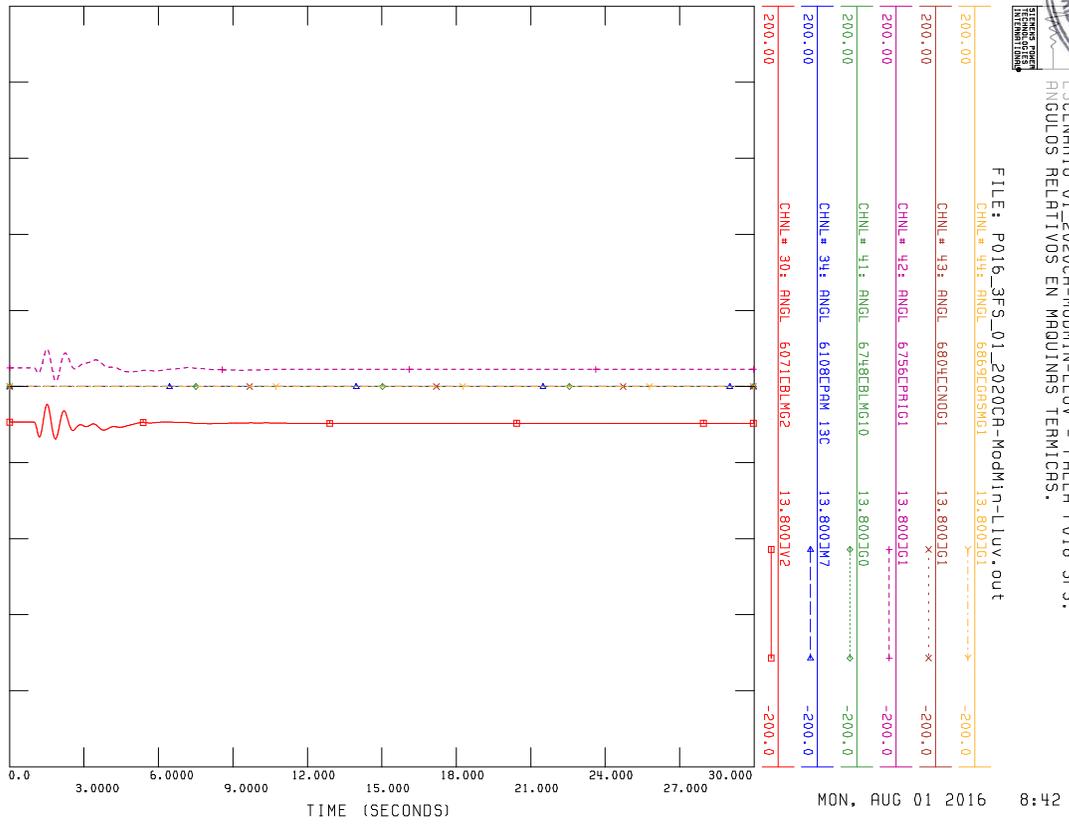
ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P016 3FS.  
TENSIONES 230 KV - SIN





ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P016 3FS.  
TENSIONES 115 KV - SIN

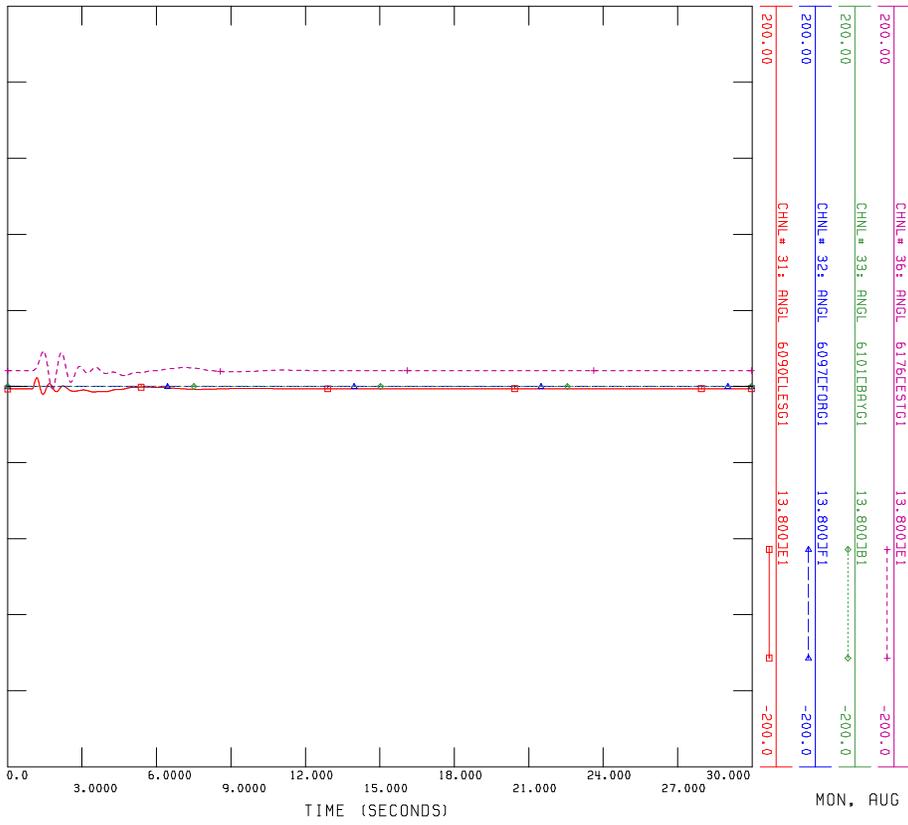






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 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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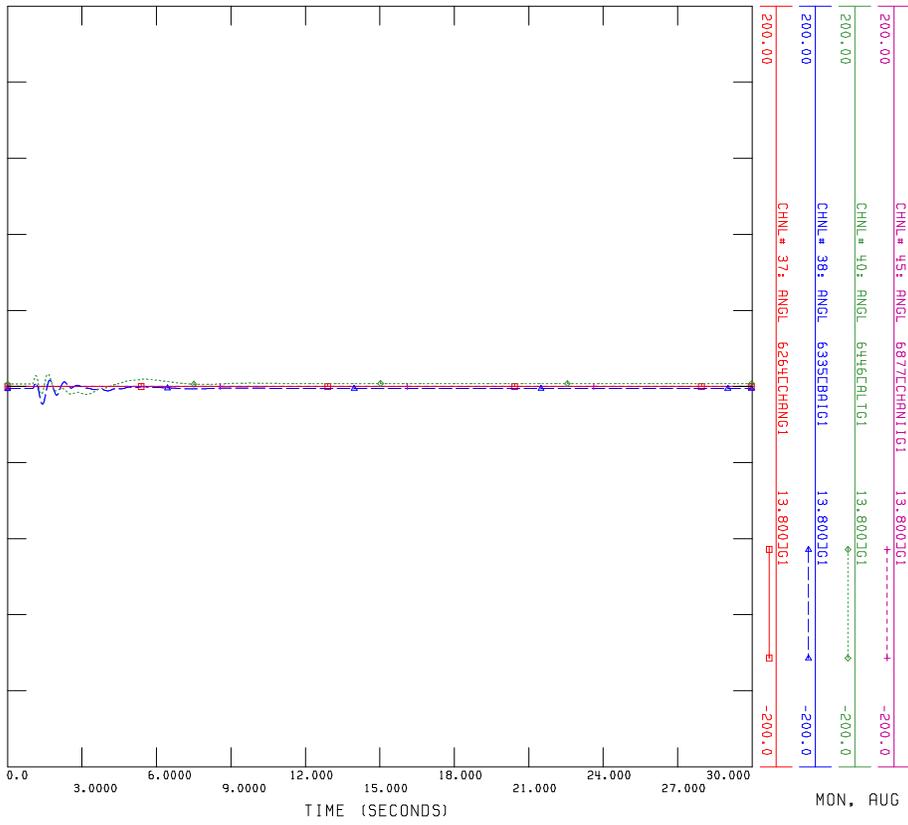


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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P016 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P016\_3FS\_01\_2020CR-MODMIN-LUV.out



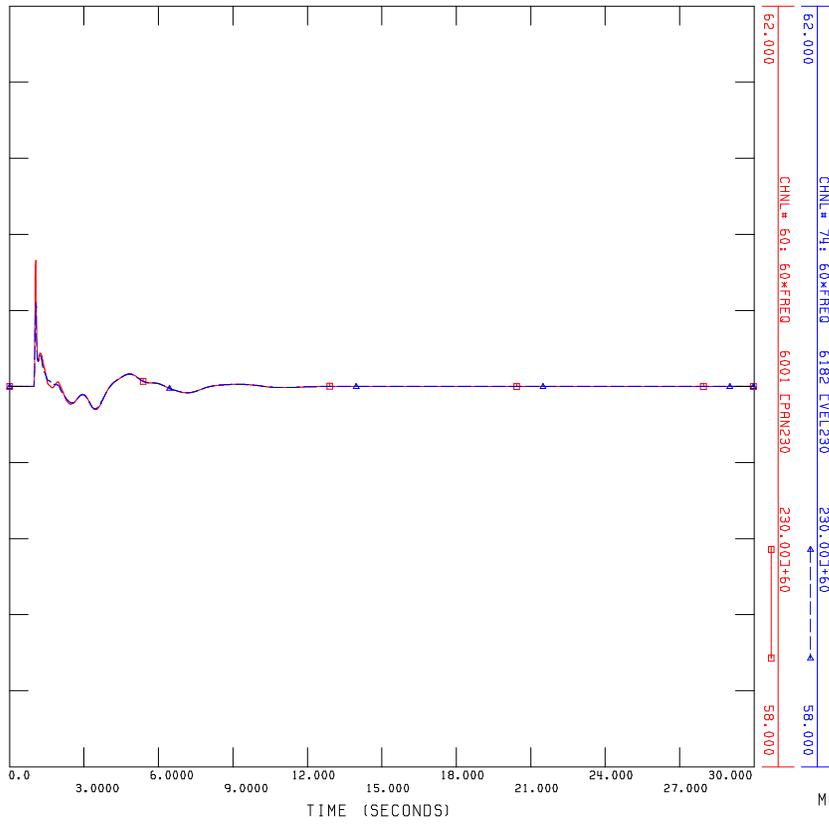
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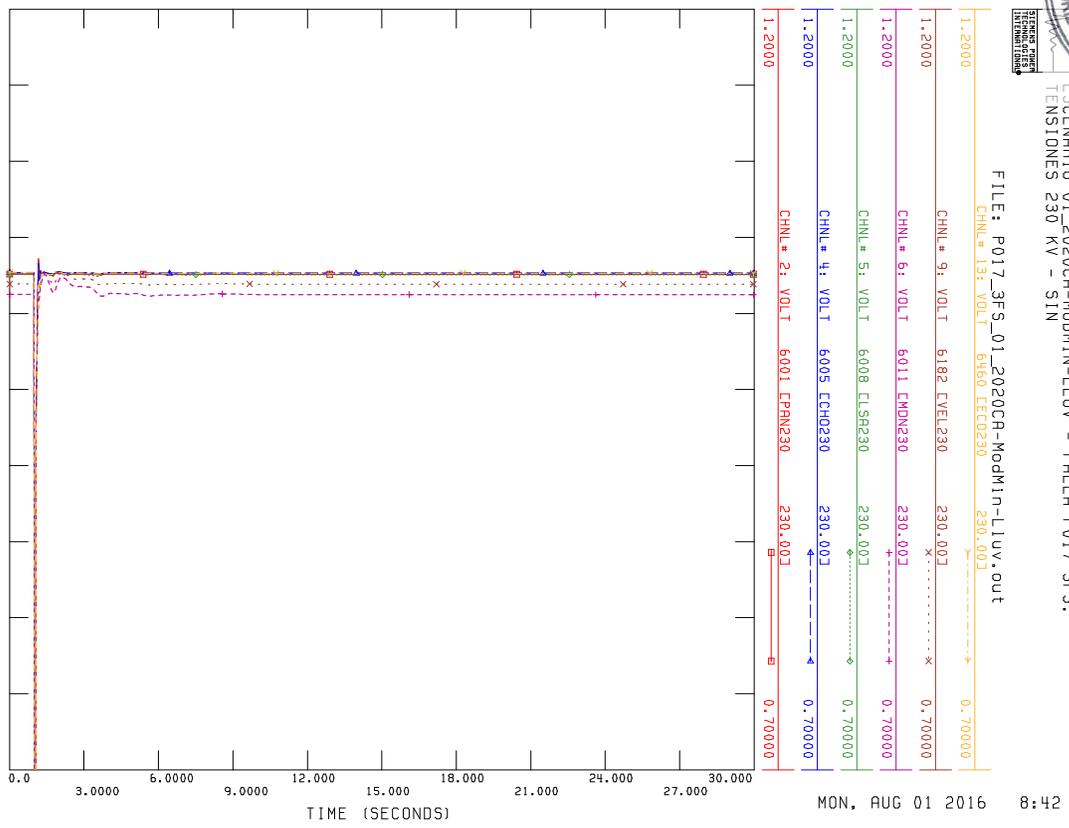
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AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

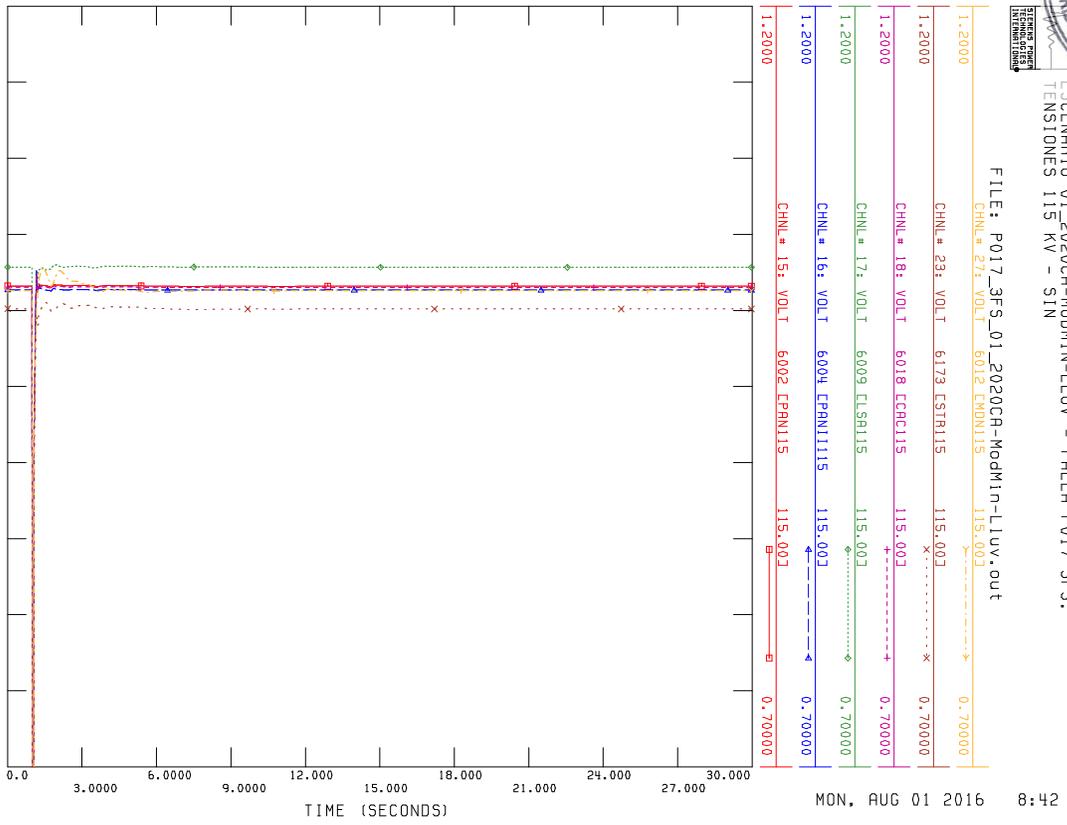
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FRECUENCIAS.

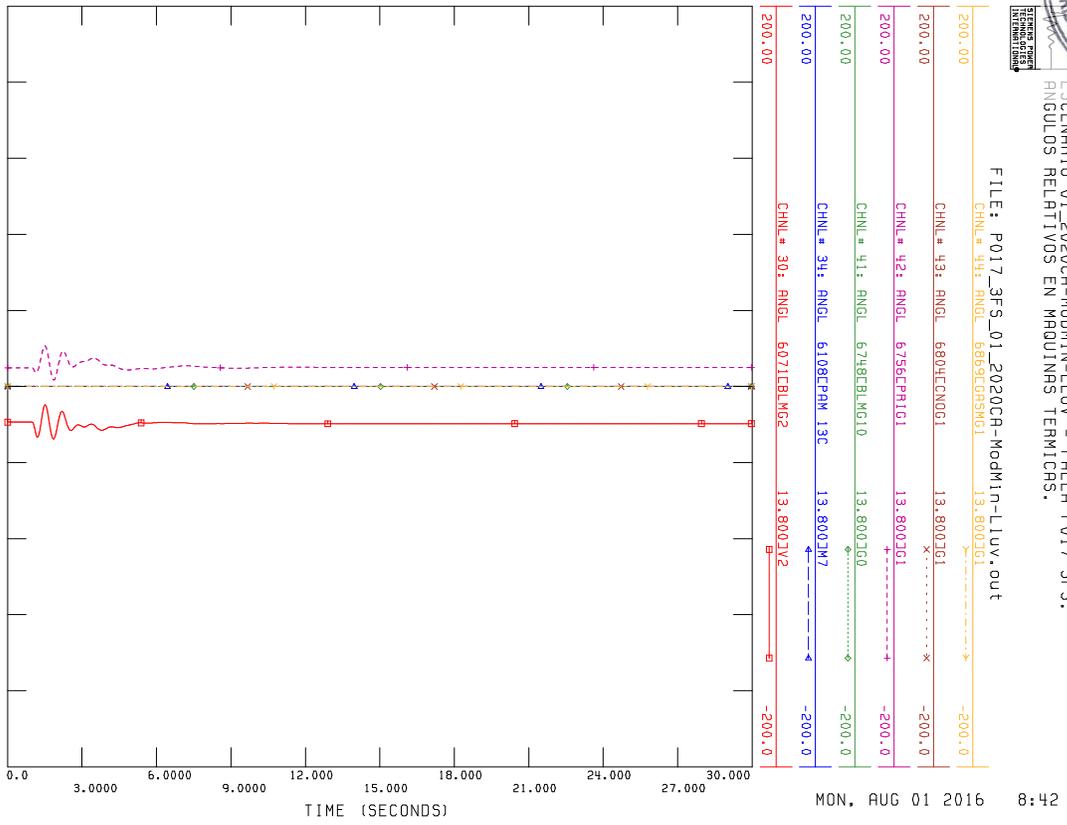
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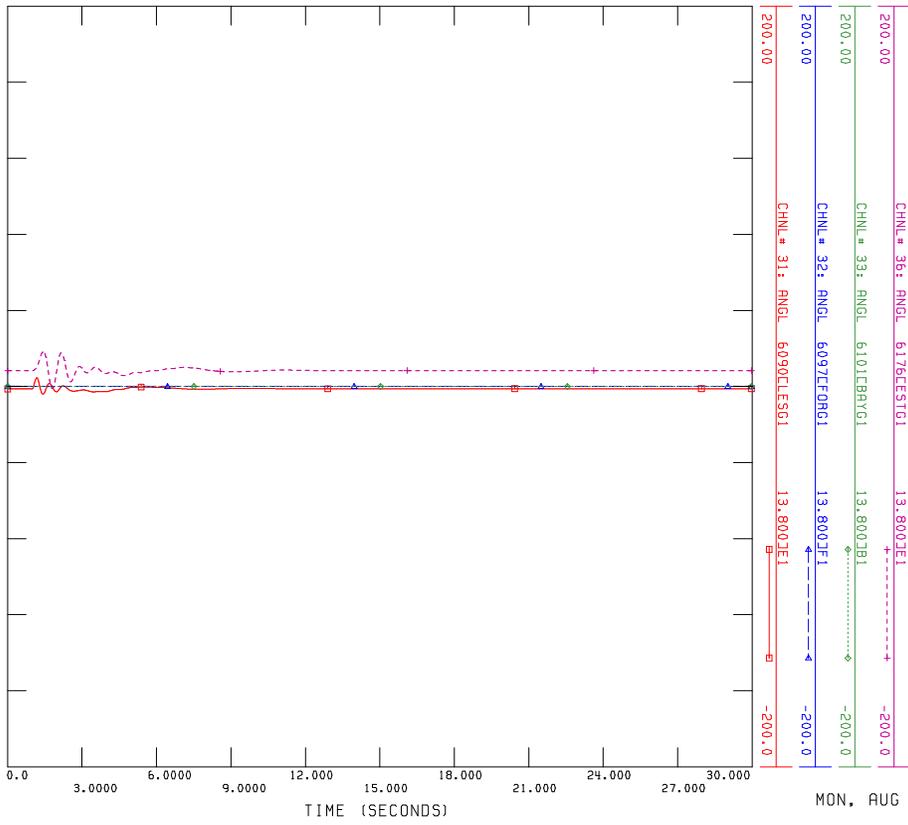






ESCENARIOS  
 ANGLULOS RELATIVOS  
 EN MODULOS HIDRAULICOS

ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P017 3FS.  
 ANGLULOS RELATIVOS EN MODULOS HIDRAULICOS.  
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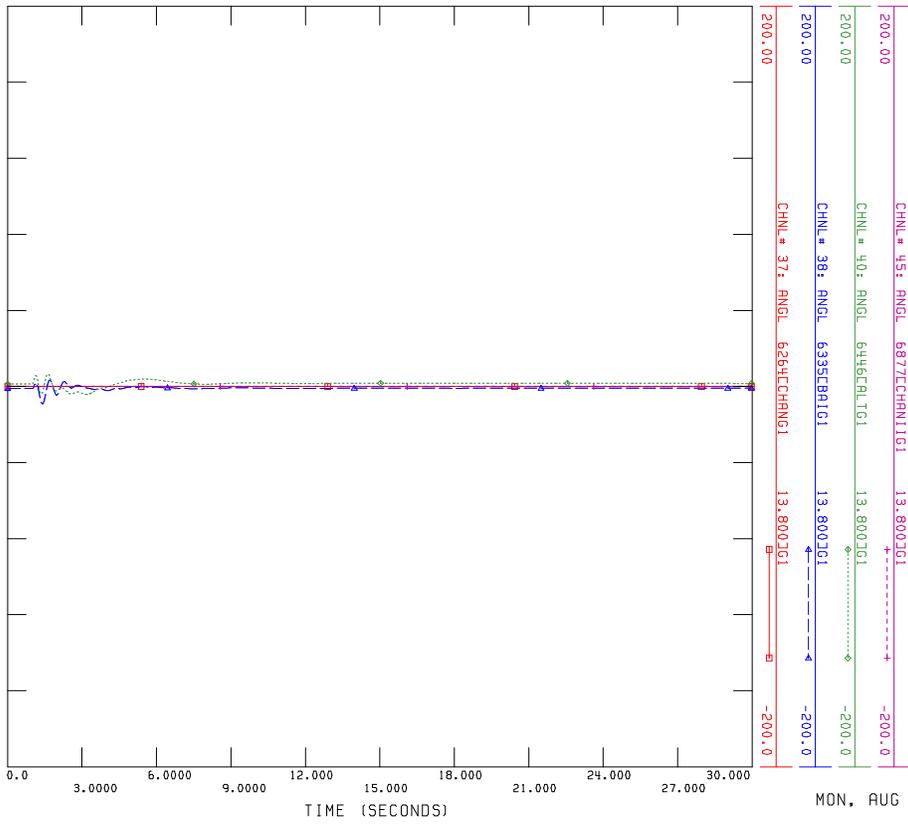
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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P017 3FS.  
 ANGULOS RELATIVOS EN MODUINRS HIDRAULICAS.

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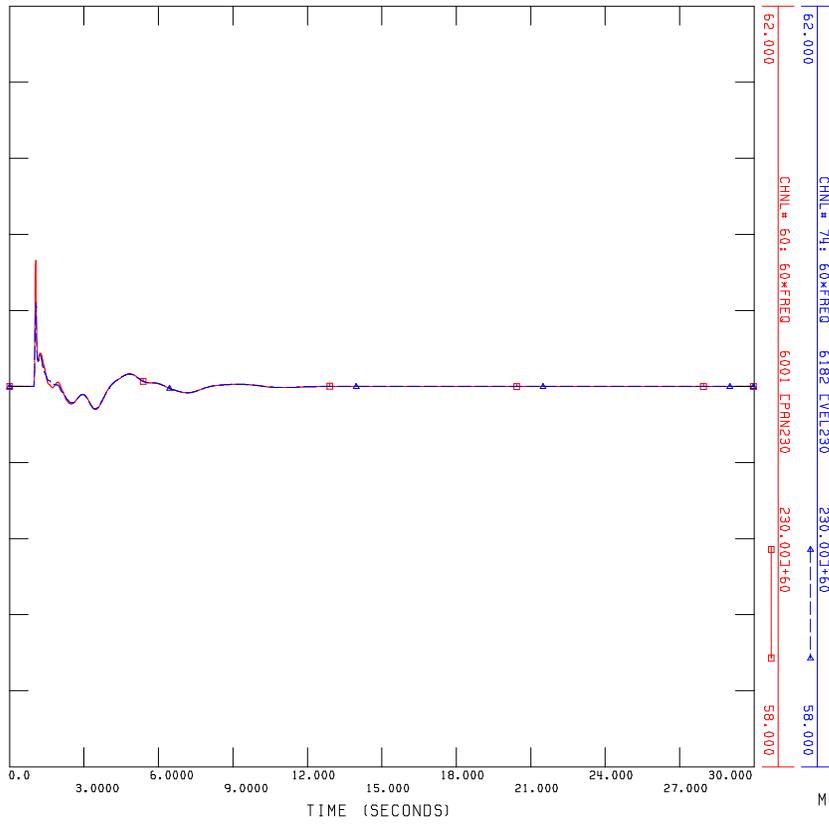
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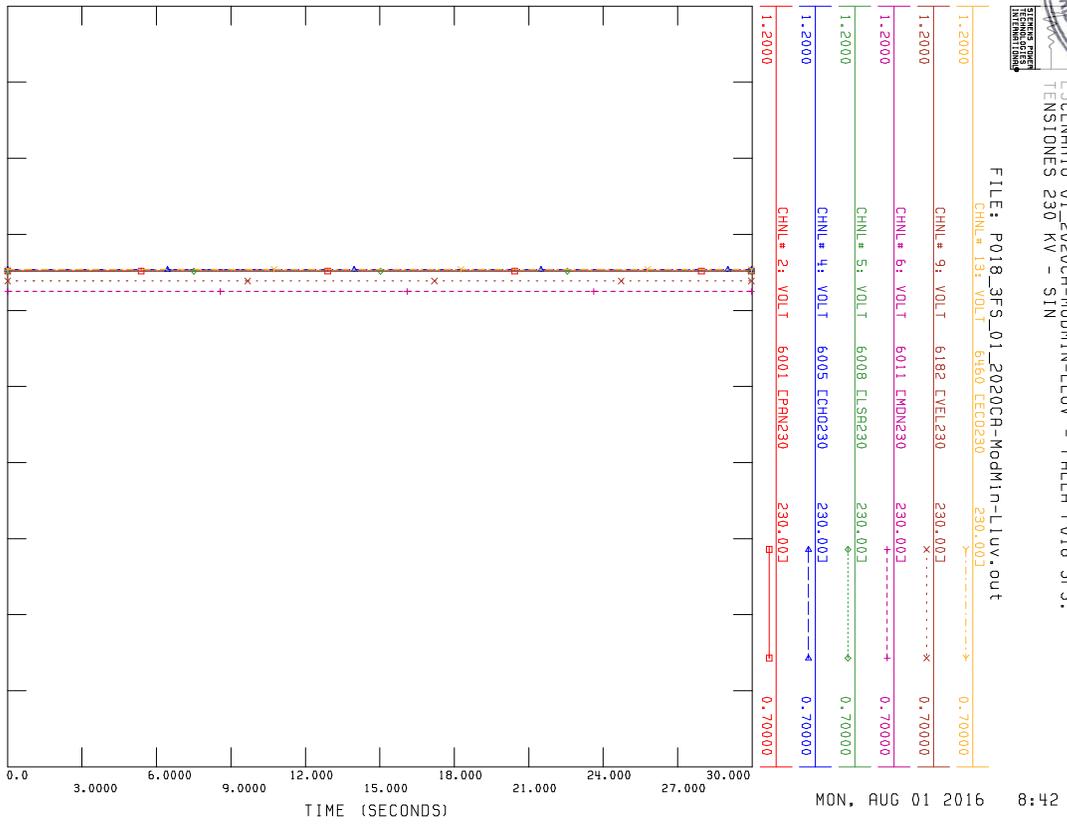
ESCENARIOS  
DE FRECUENCIAS

ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P017 3FS.  
FRECUENCIAS.

FILE: P017\_SFS\_01\_2020CR-ModMin-LLUV.out



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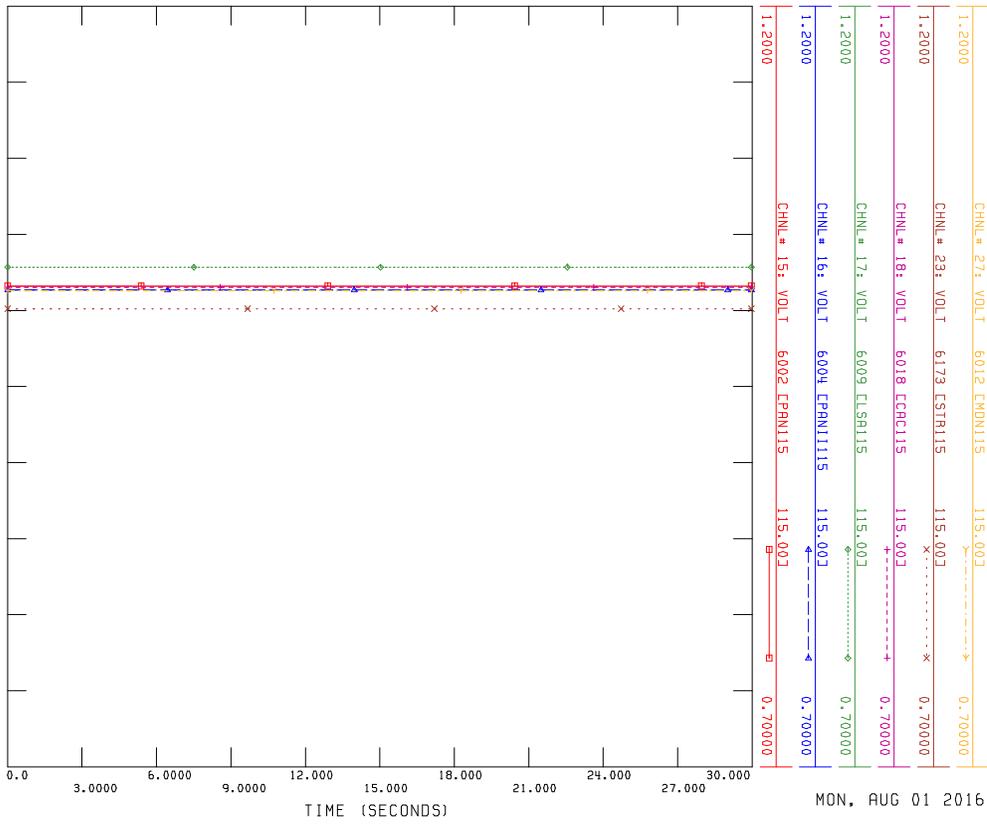


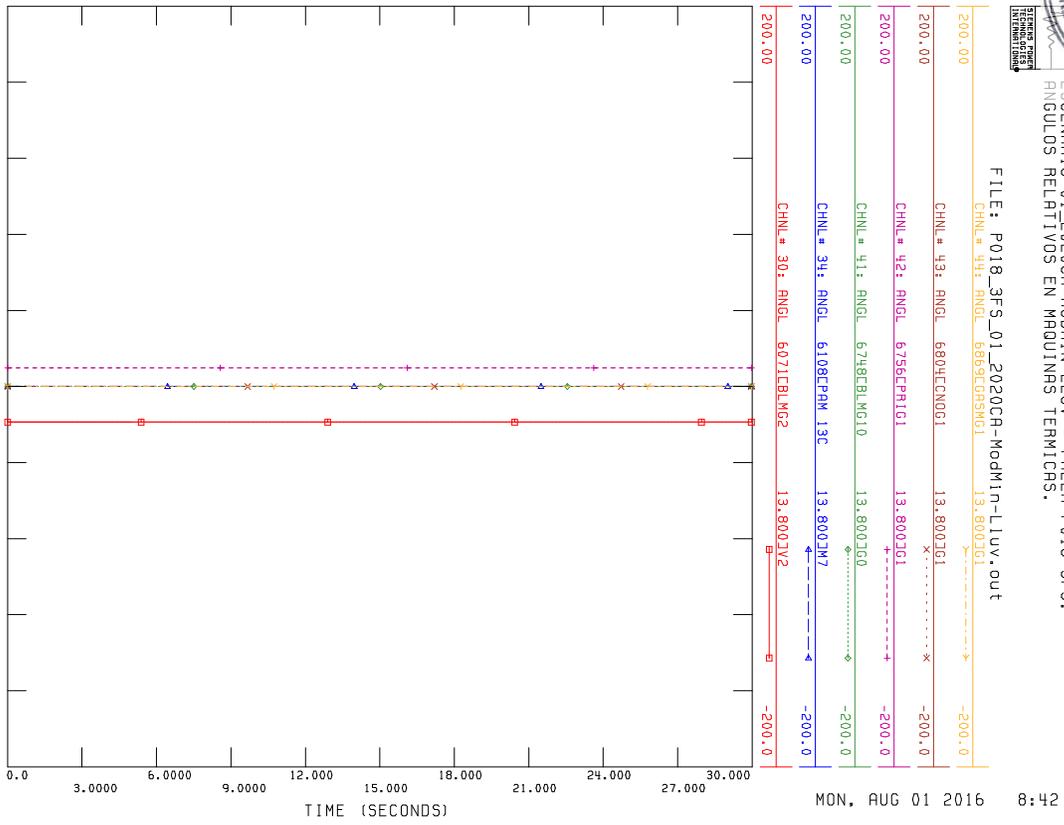


ESQUEMA DE TENSIONES 115 KV - SIN

ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P018 3FS.

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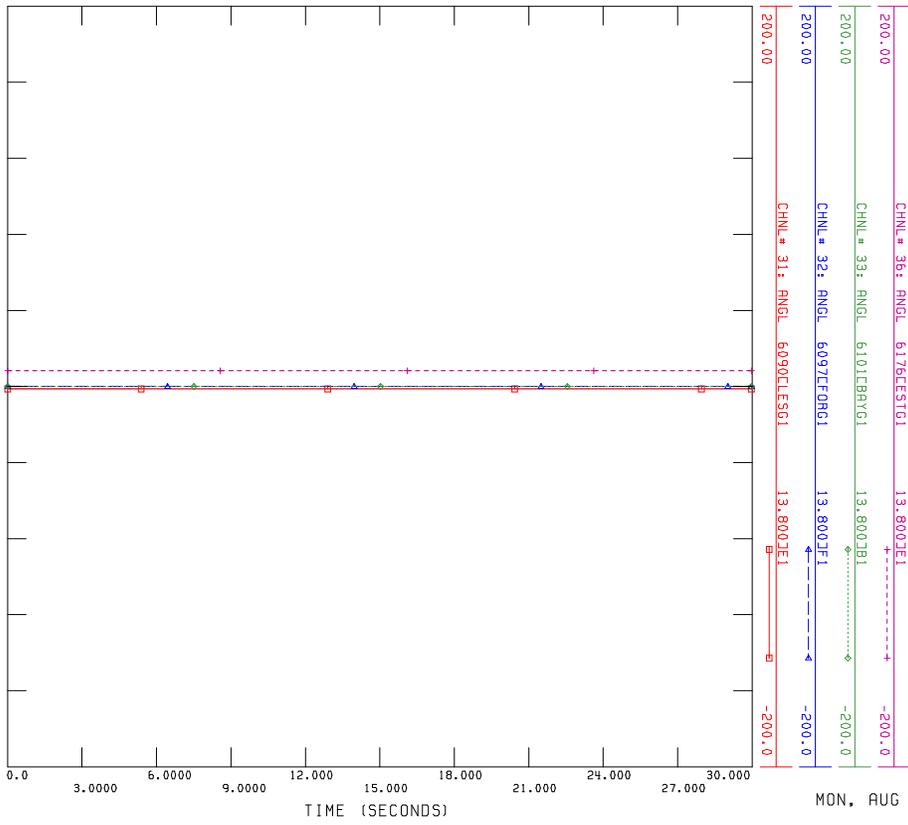






ESCENARIO 01\_2020CR-MODMIN-LLUV - FALLA P018 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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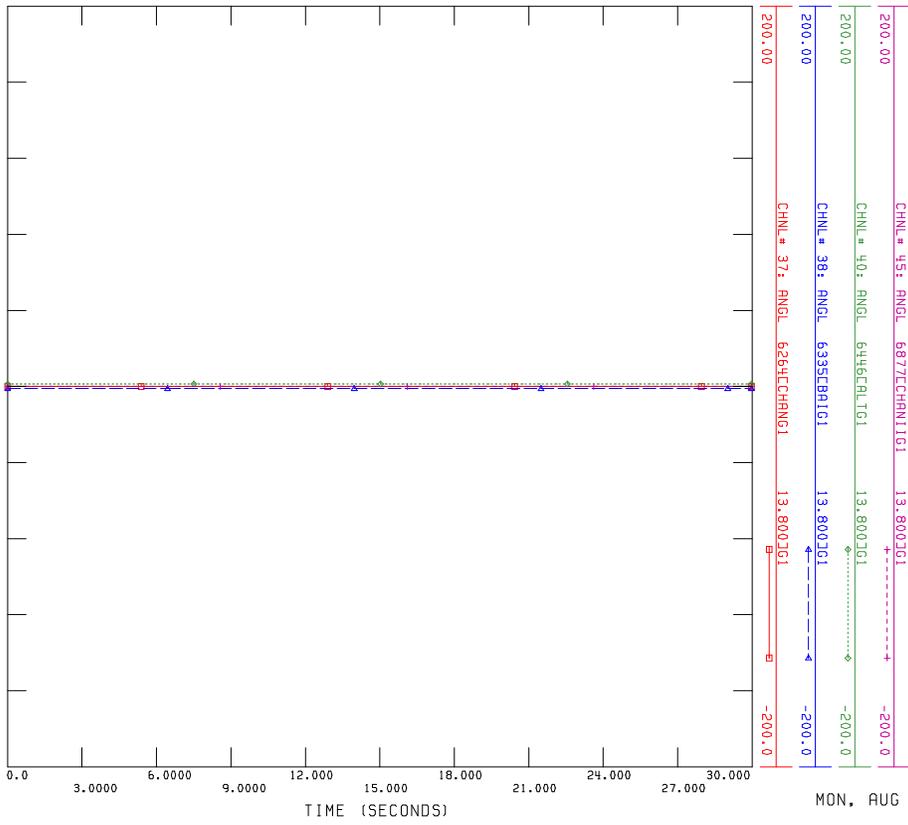


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ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P018 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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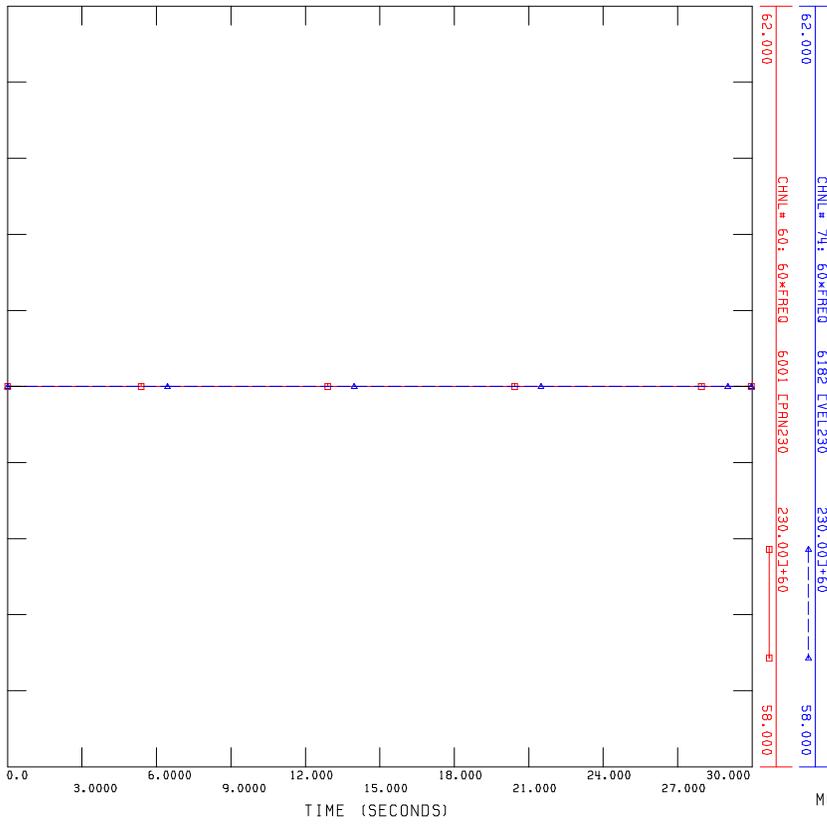
MON, AUG 01 2016 8:42

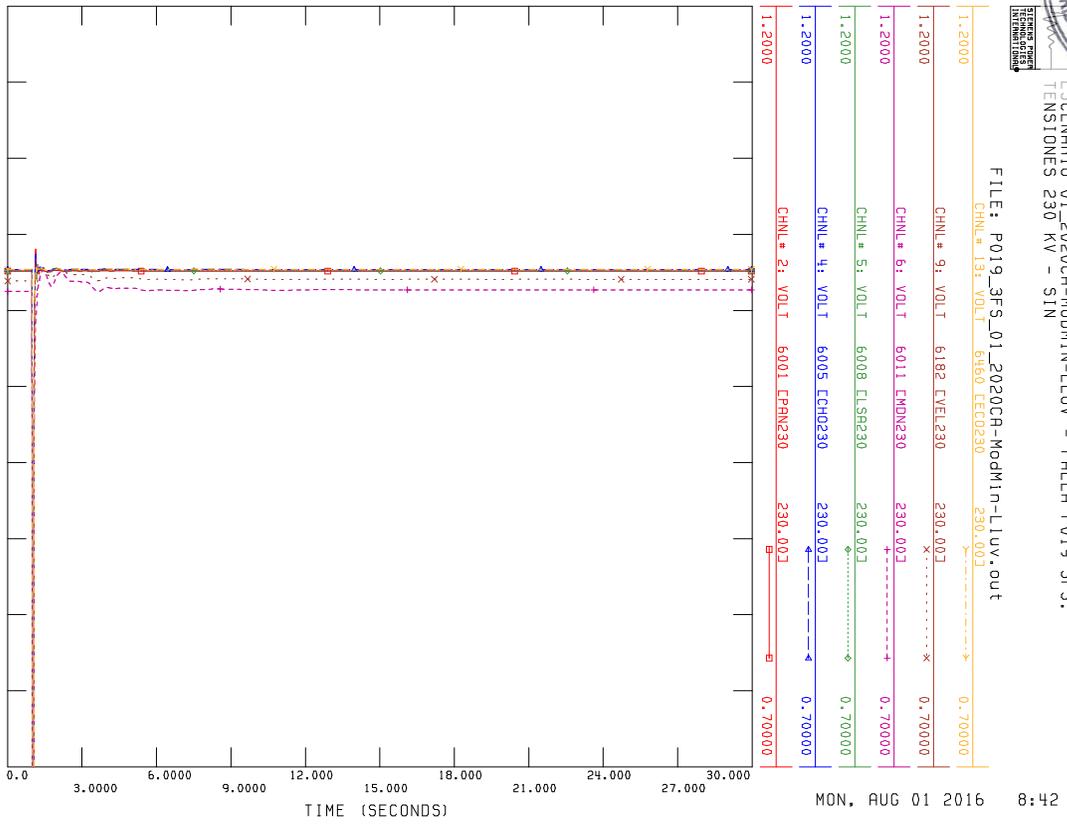


REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P018 3FS.  
FRECUENCIAS.

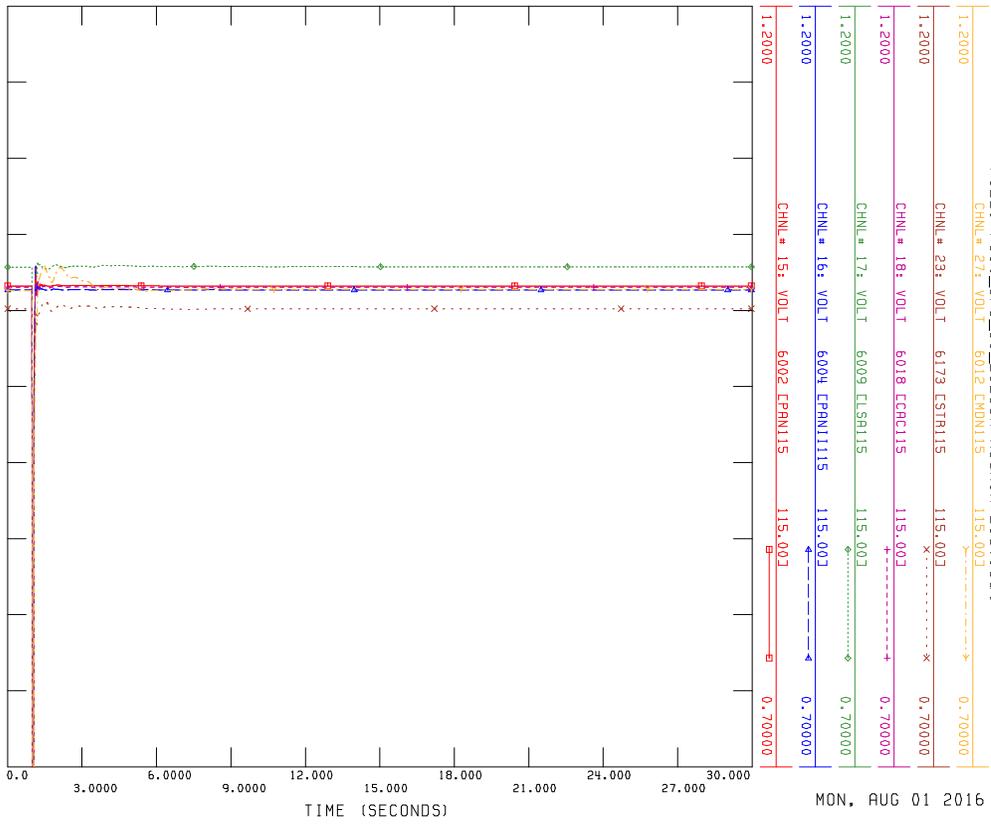
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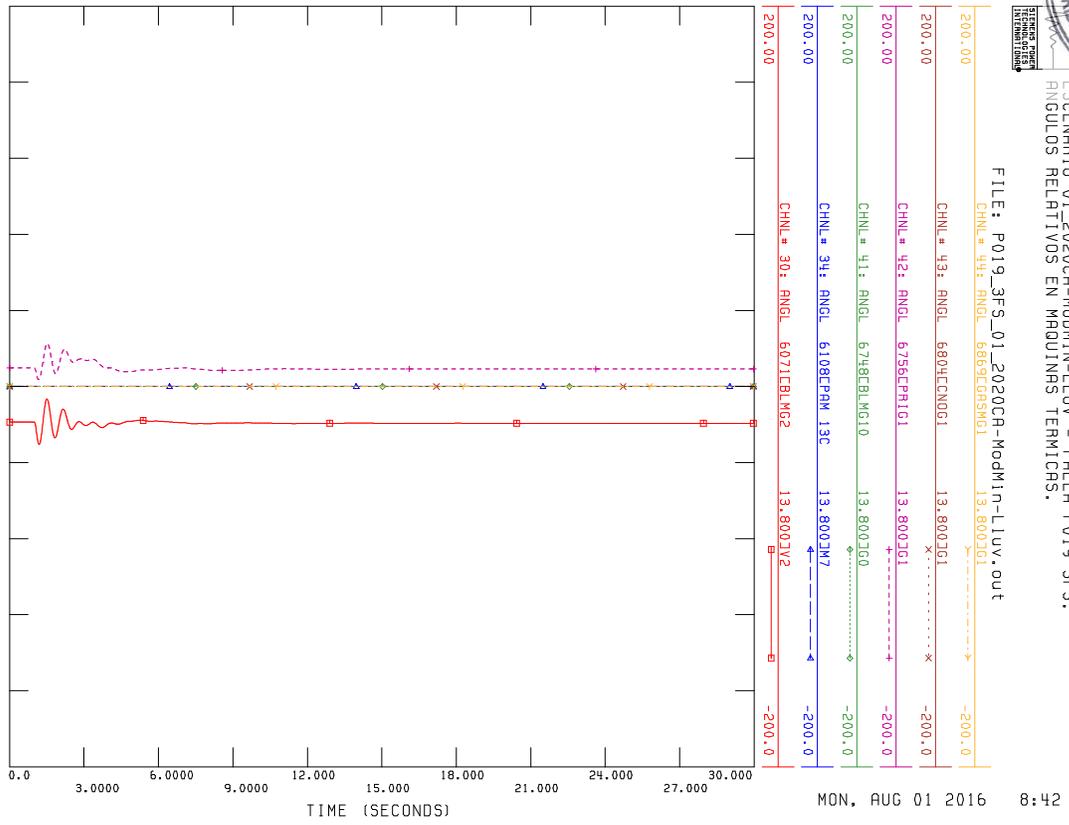






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TENSIONES 115 KV - SIN



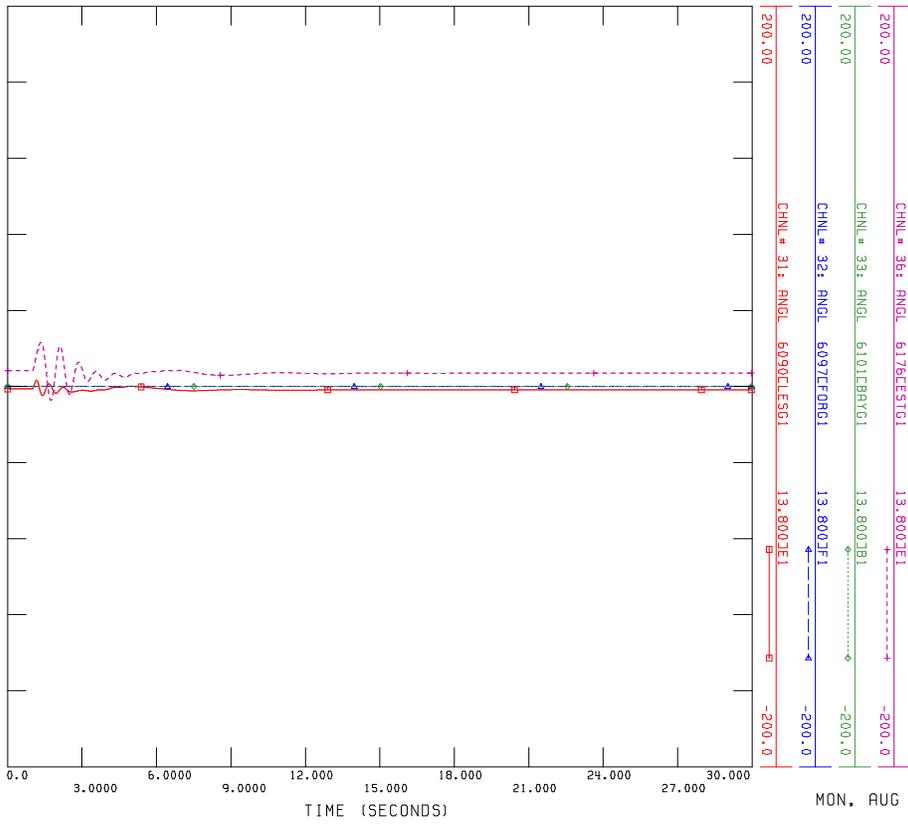




ANSP  
 Autoridad Nacional de los Servicios Públicos

ESCENARIO 01\_2020CR-MODMIN-LUV - FALLA P019 3FS.  
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

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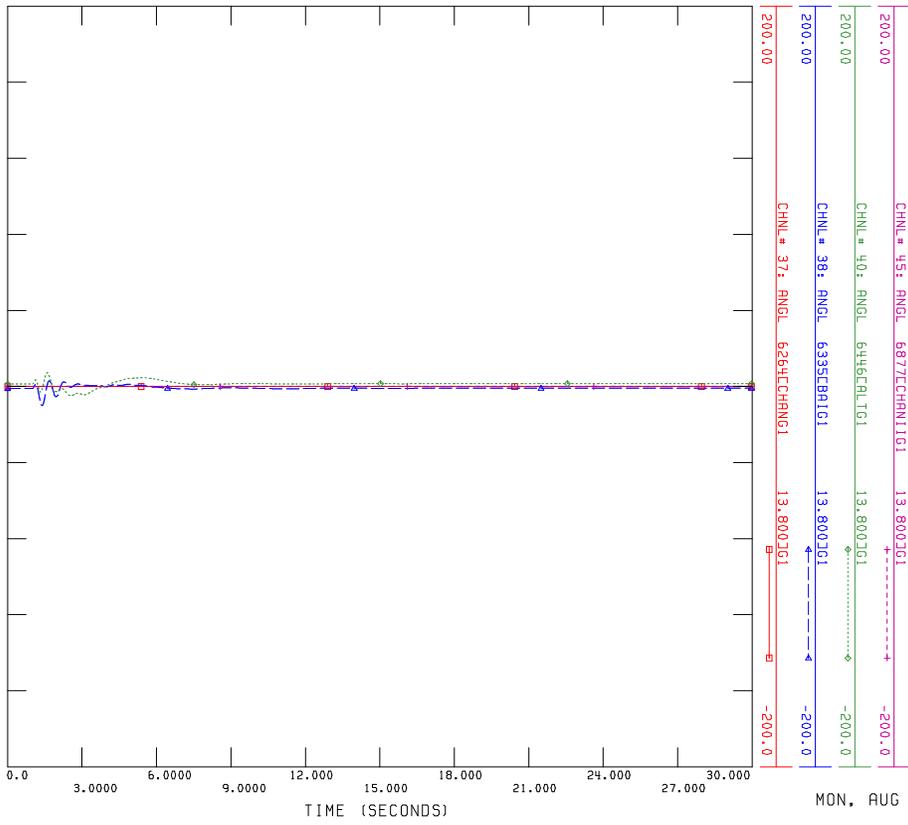


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 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P019\_3FS\_01\_2020CR-MODMIN-LUV.out



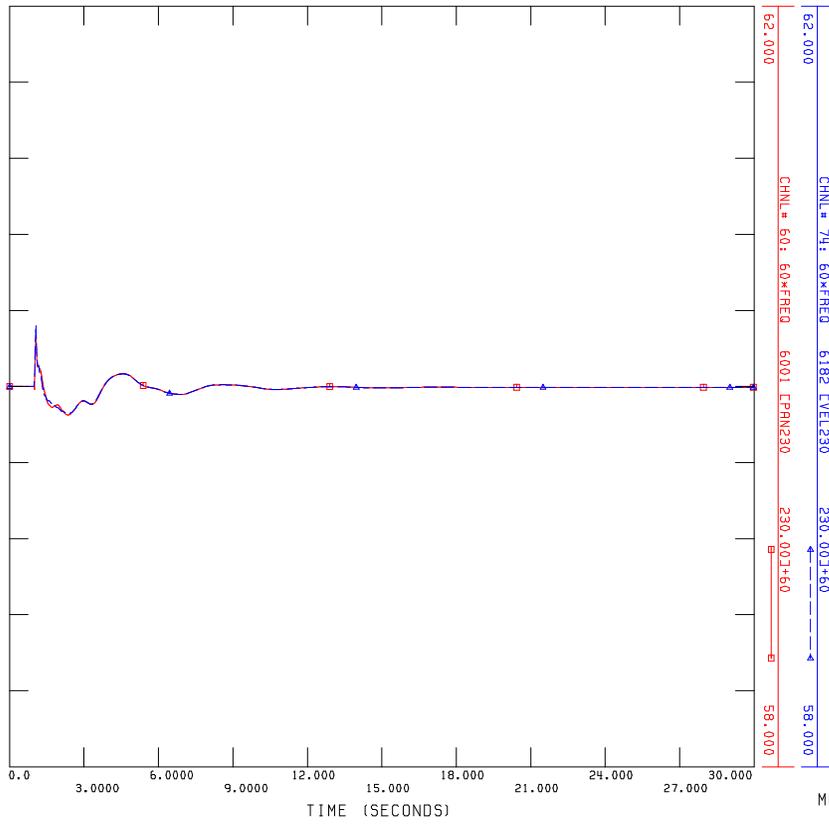
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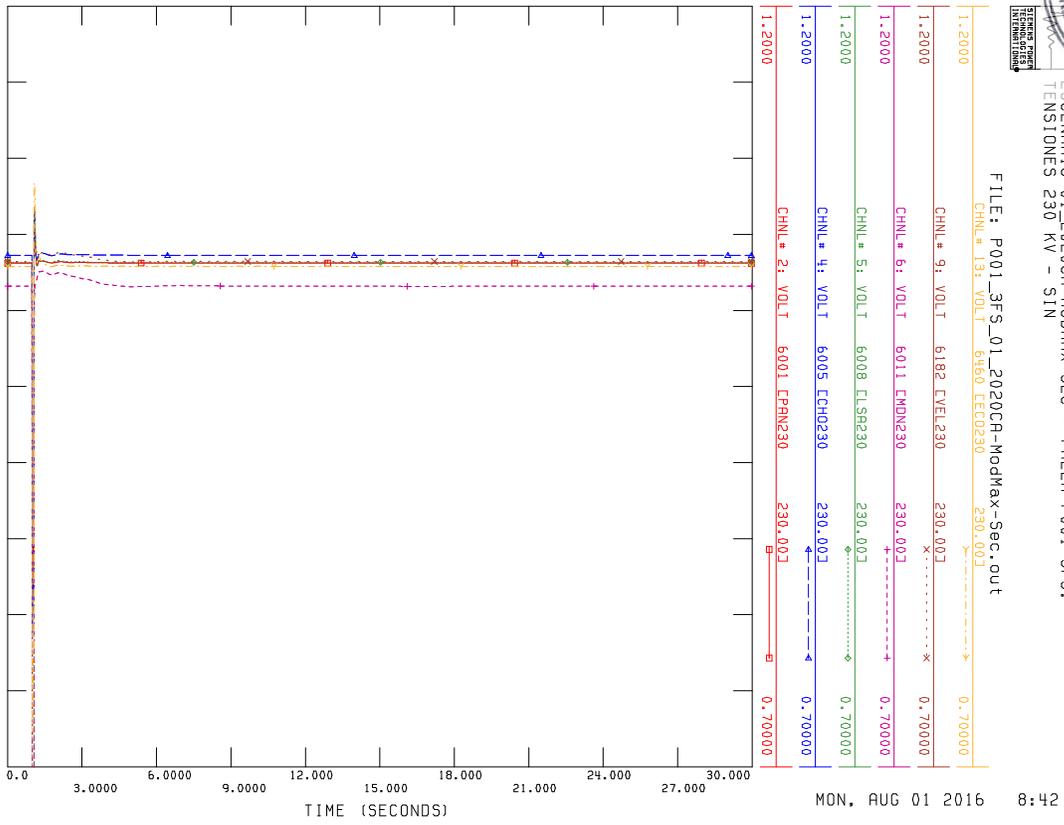
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AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

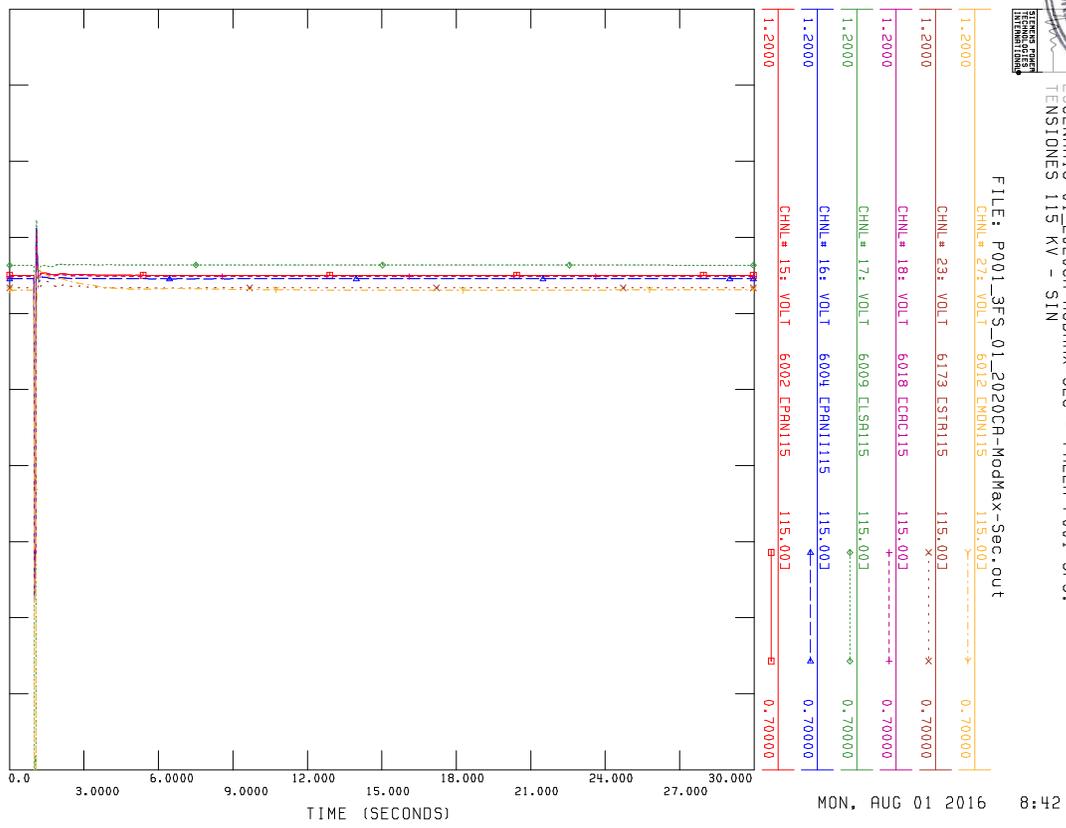
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FRECUENCIAS.

FILE: P019\_3FS\_01\_2020CR-ModMin-LLuv.out



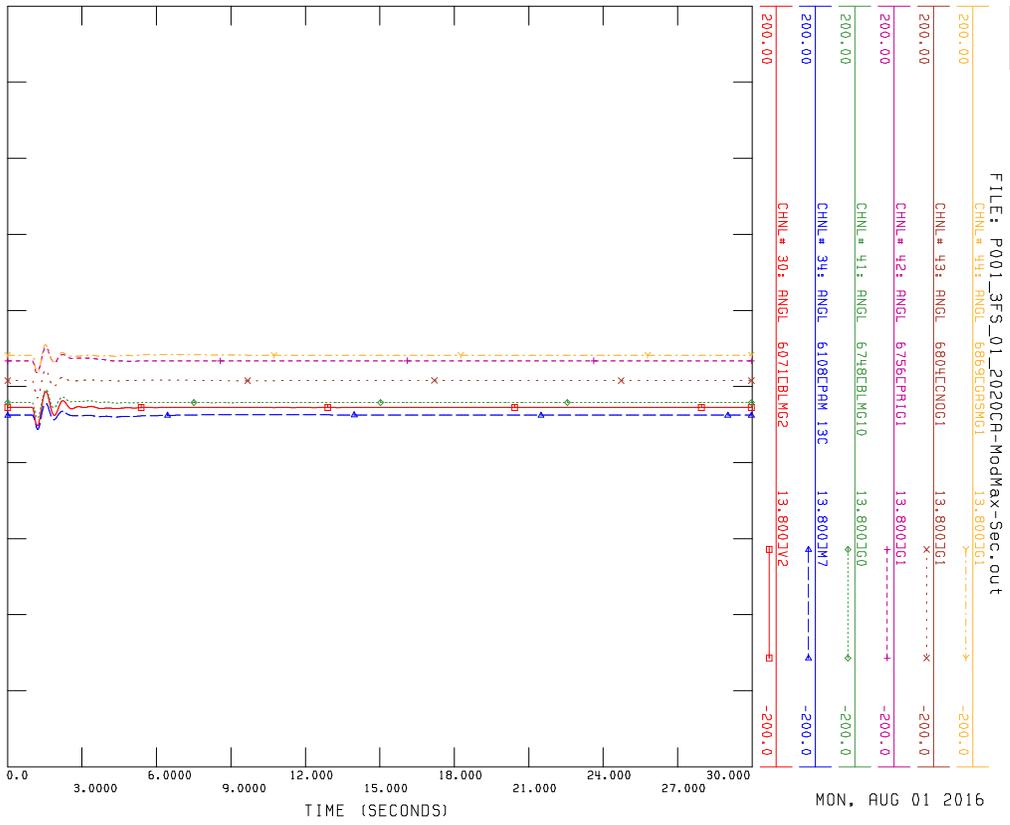
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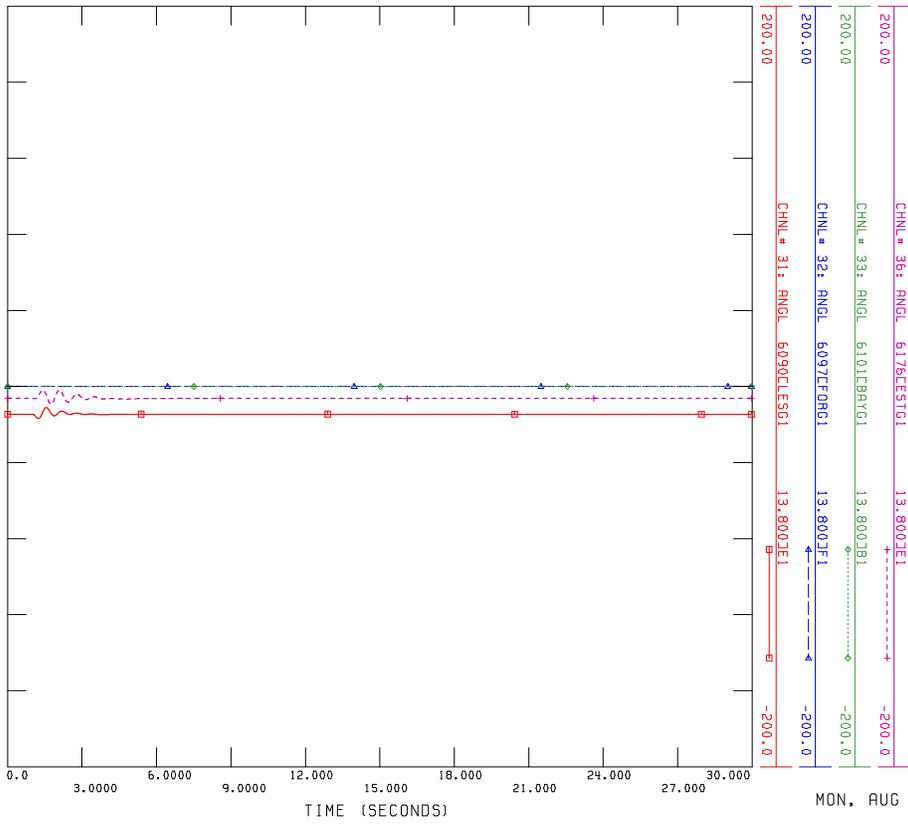
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P001 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P001 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P001\_3FS\_01\_2020CA-ModMax-Sec.out

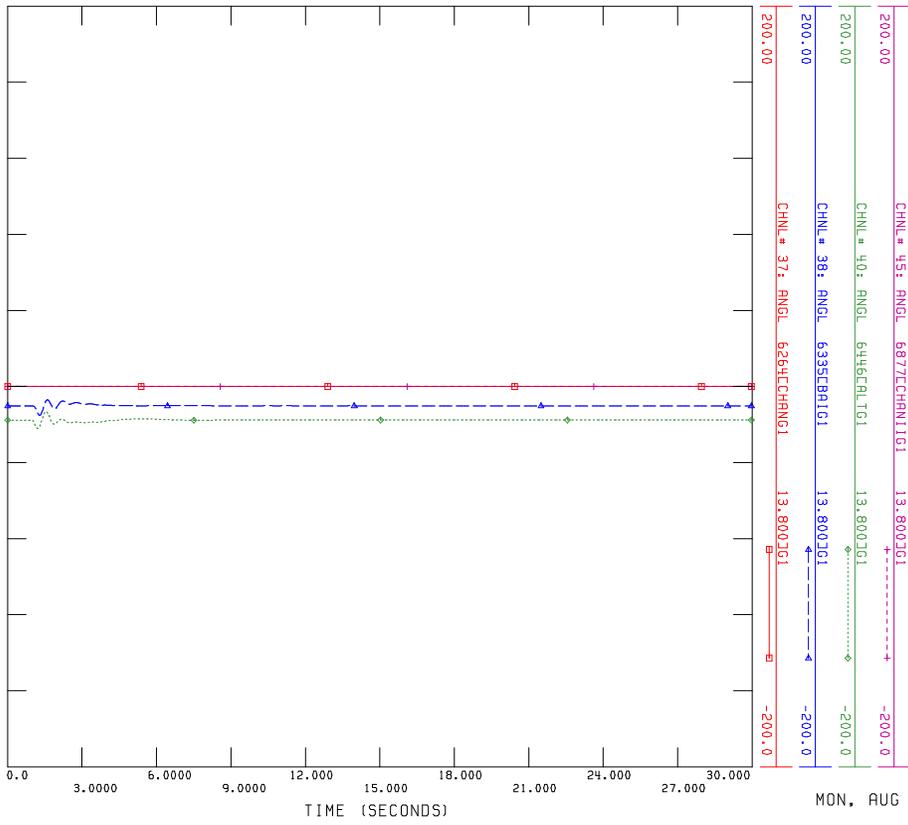


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P001 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P001\_3FS\_01\_2020CA-ModMax-Sec.out



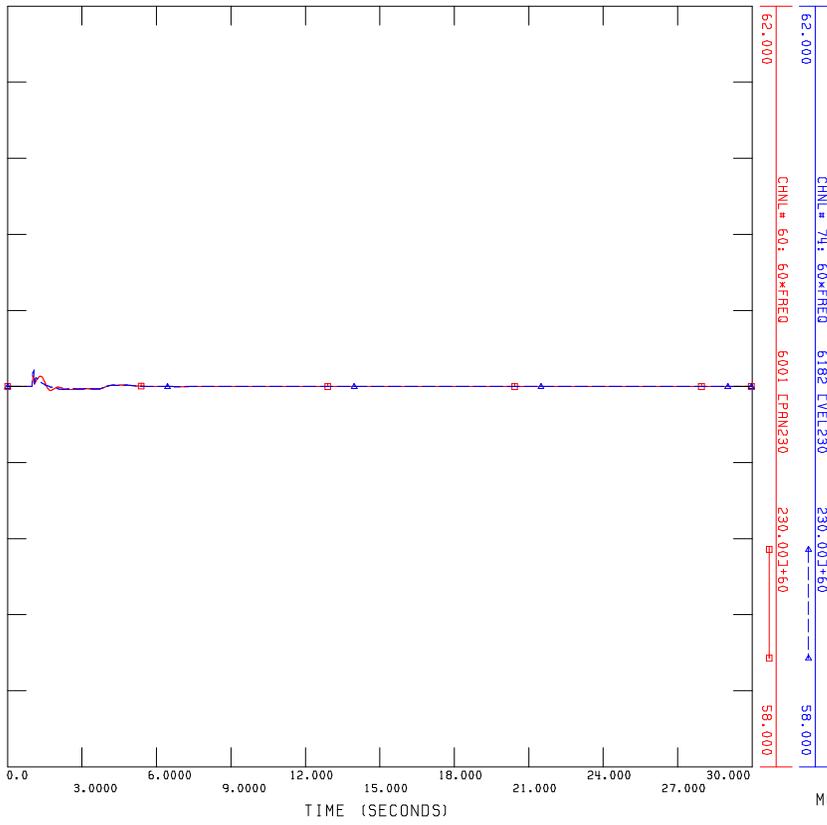
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REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

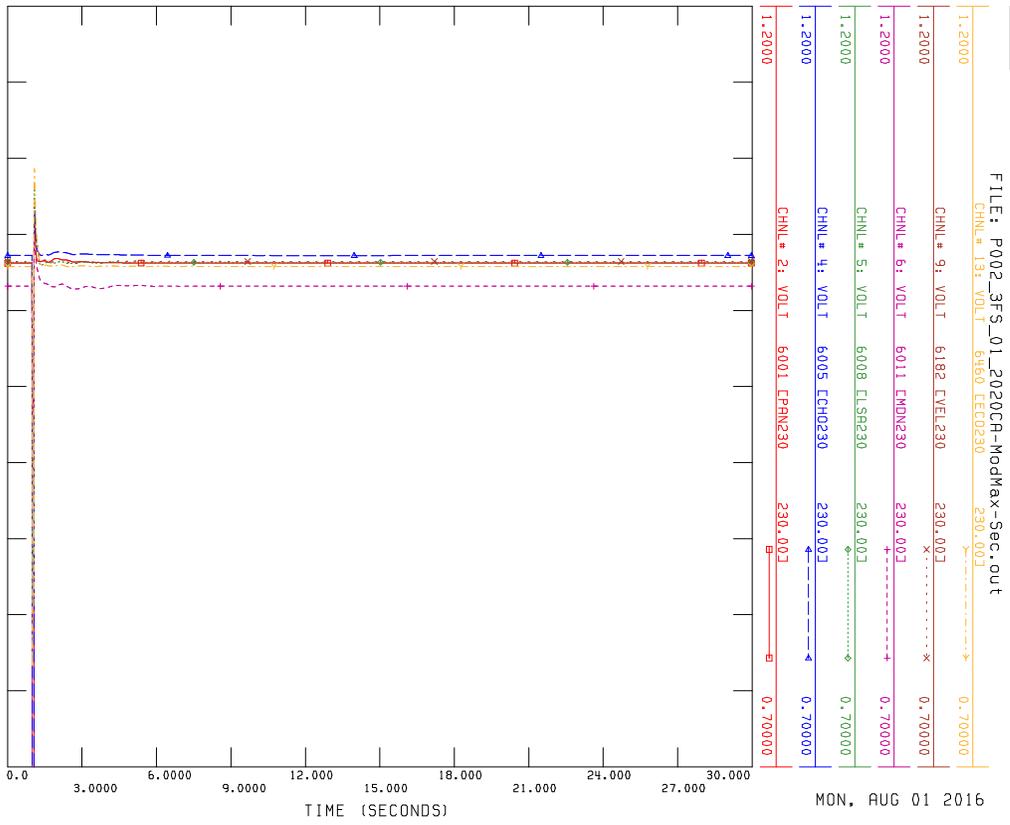
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FRECUENCIAS.

FILE: P001\_3FS\_01\_2020CA-ModMax-Sec.out

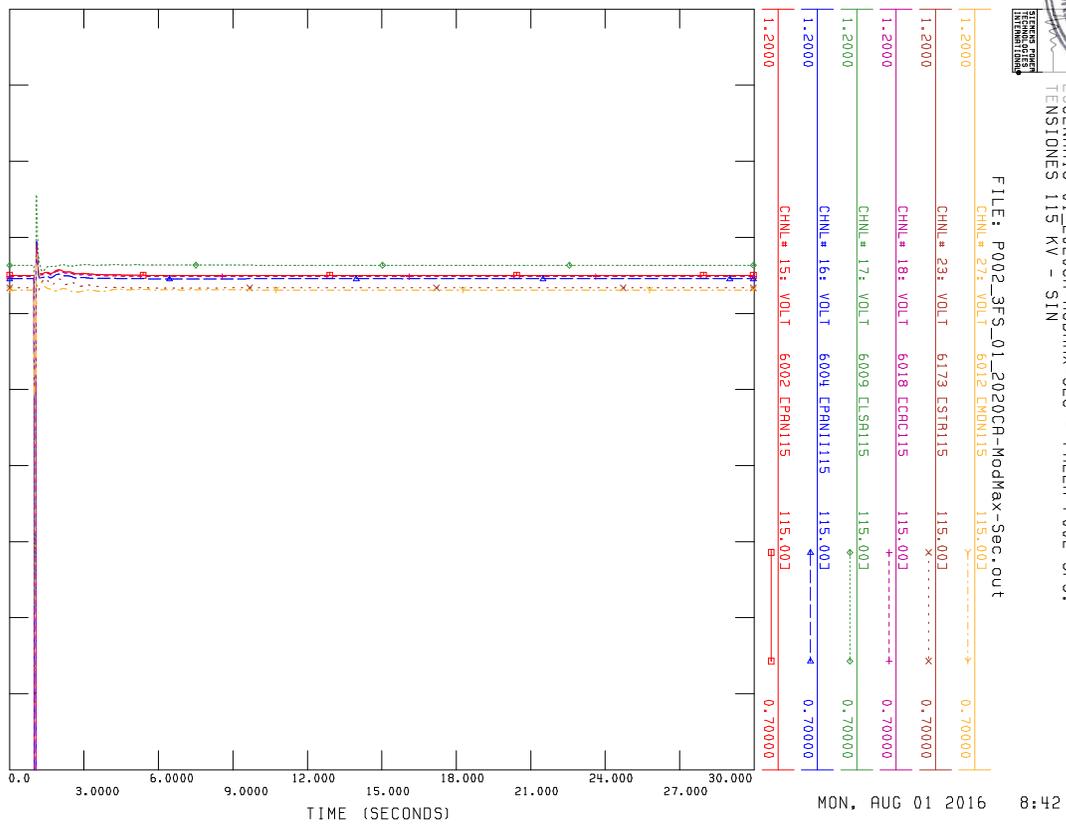




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TENSIONES 230 KV - SIN

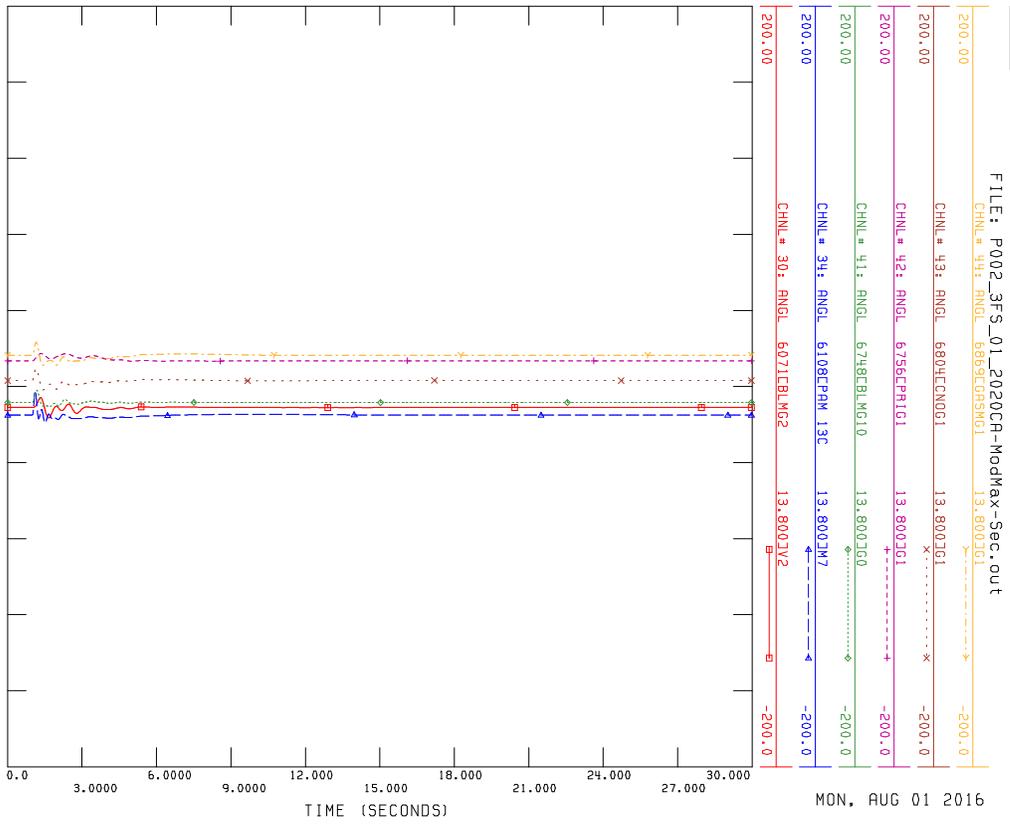


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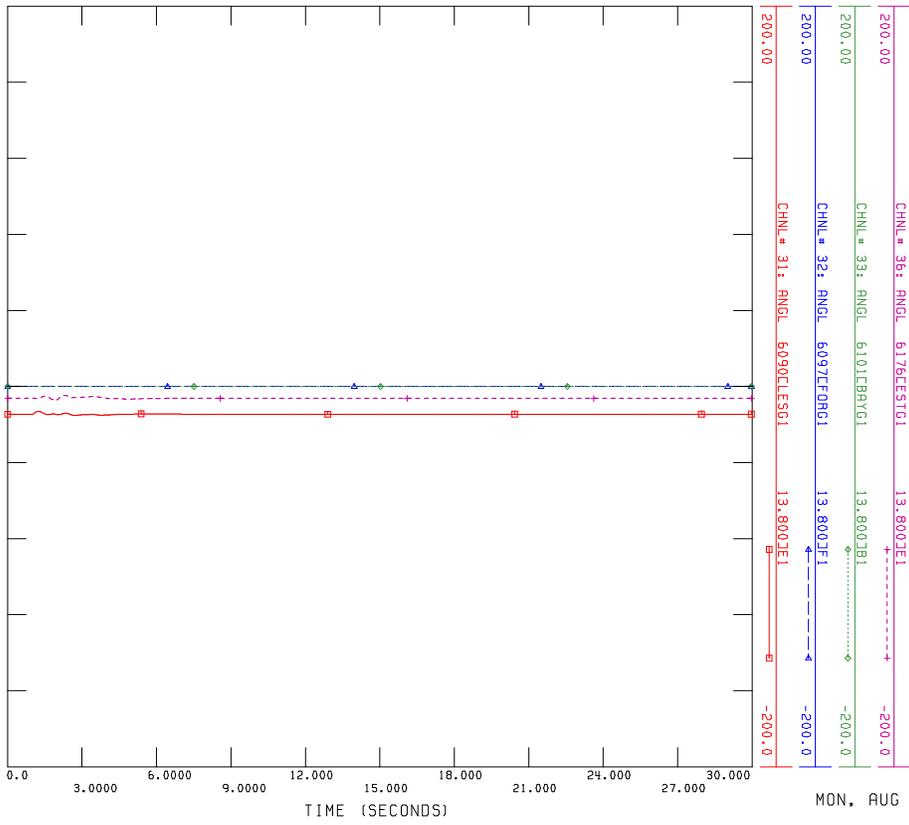
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P002 3FS.  
ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P002 3FS.  
ÁNGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P002\_3FS\_01\_2020CA-ModMax-Sec.out



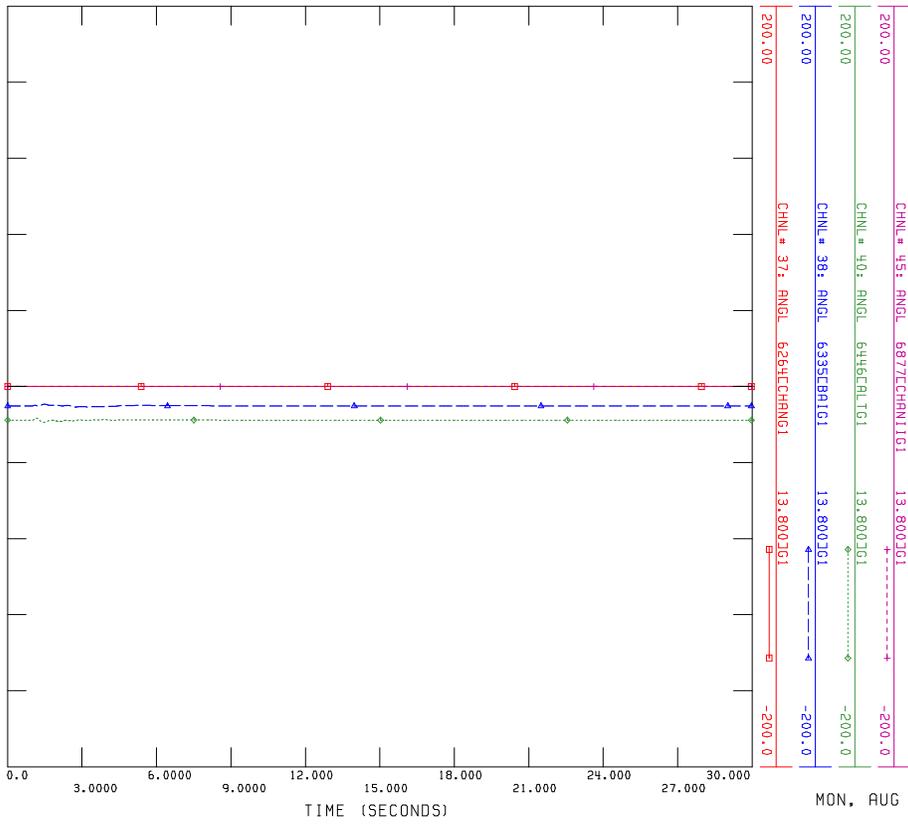
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ESCENARIOS  
DE FALLA

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P002 3FS.  
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P002\_3FS\_01\_2020CA-ModMax-Sec.out

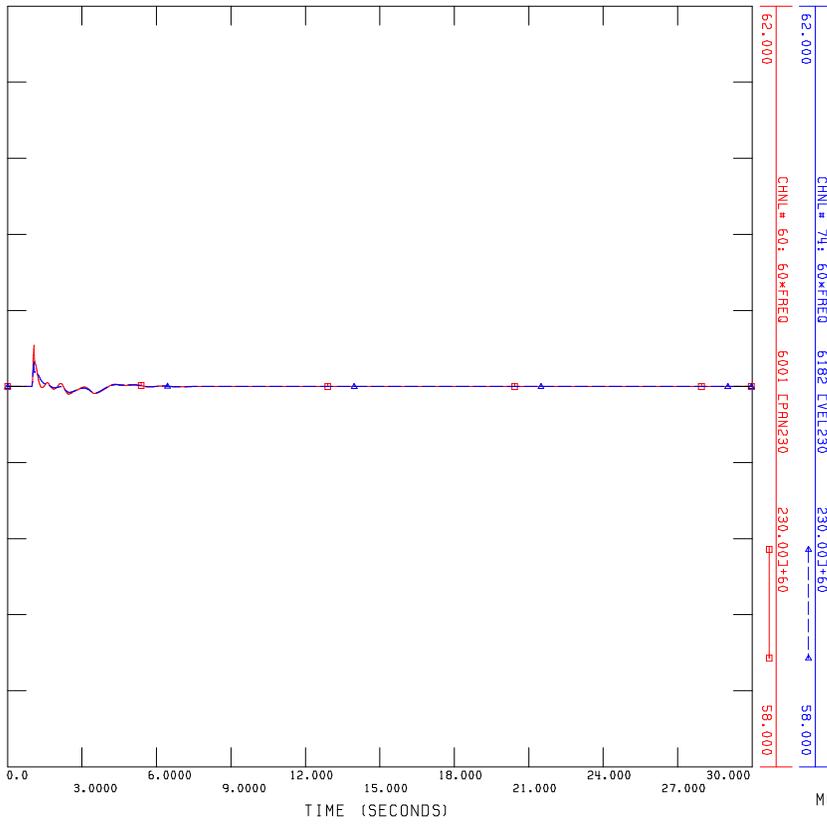


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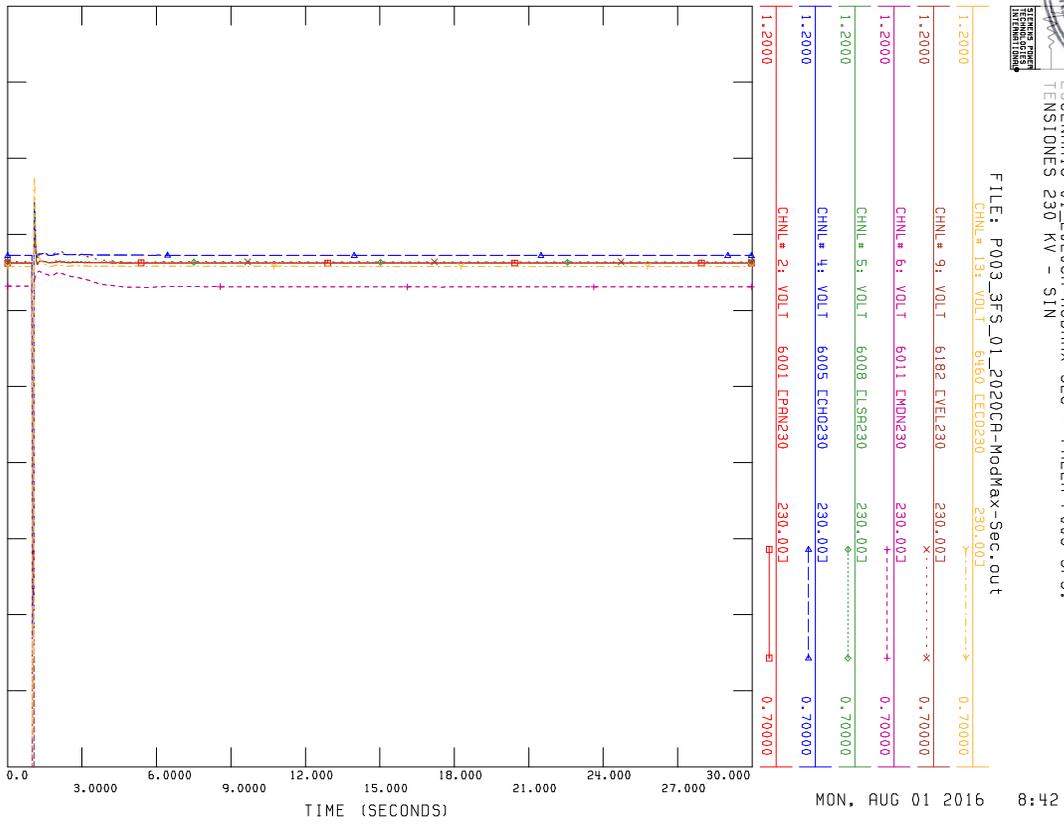


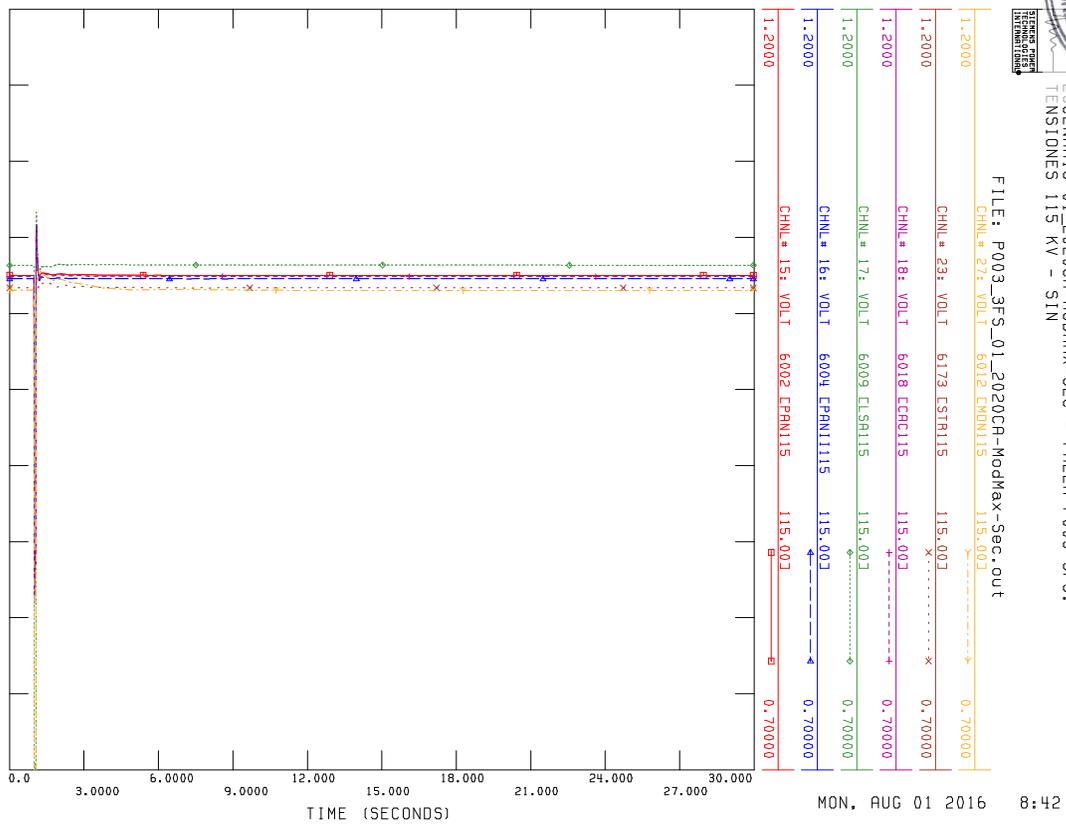
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 FRECUENCIAS.

FILE: P002\_3FS\_01\_2020CA-ModMax-Sec.out



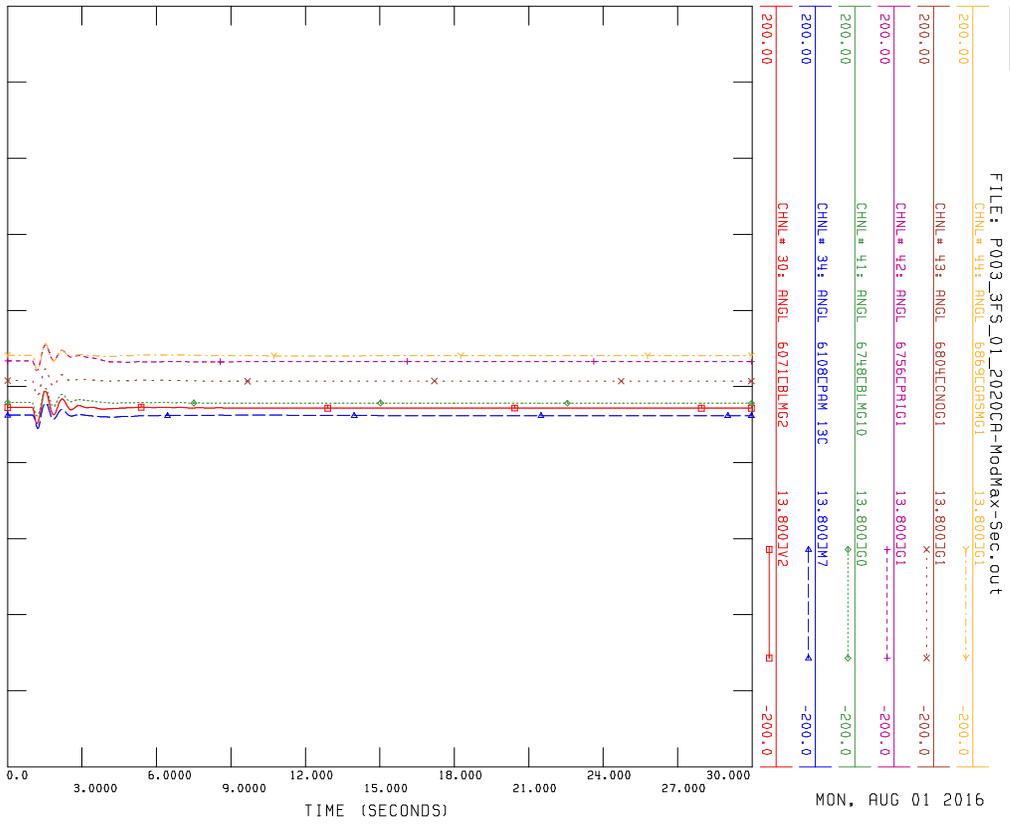
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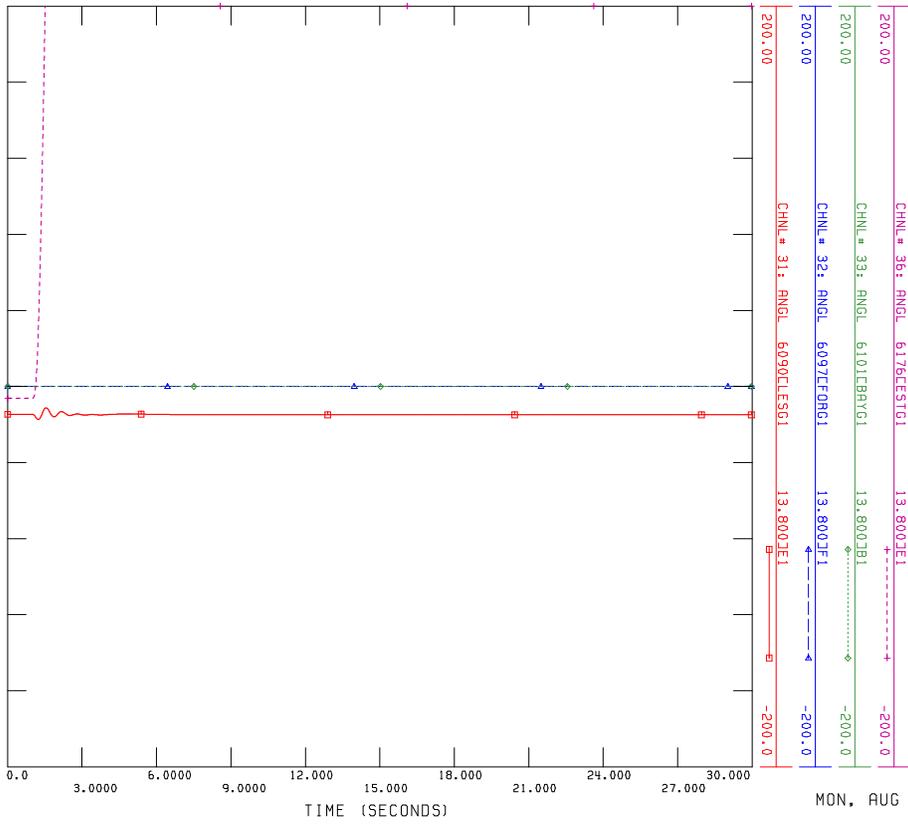
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ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P003 3FS.  
 ANGULOS RELATIVOS EN MAQUINNS HIDRAULICAS.

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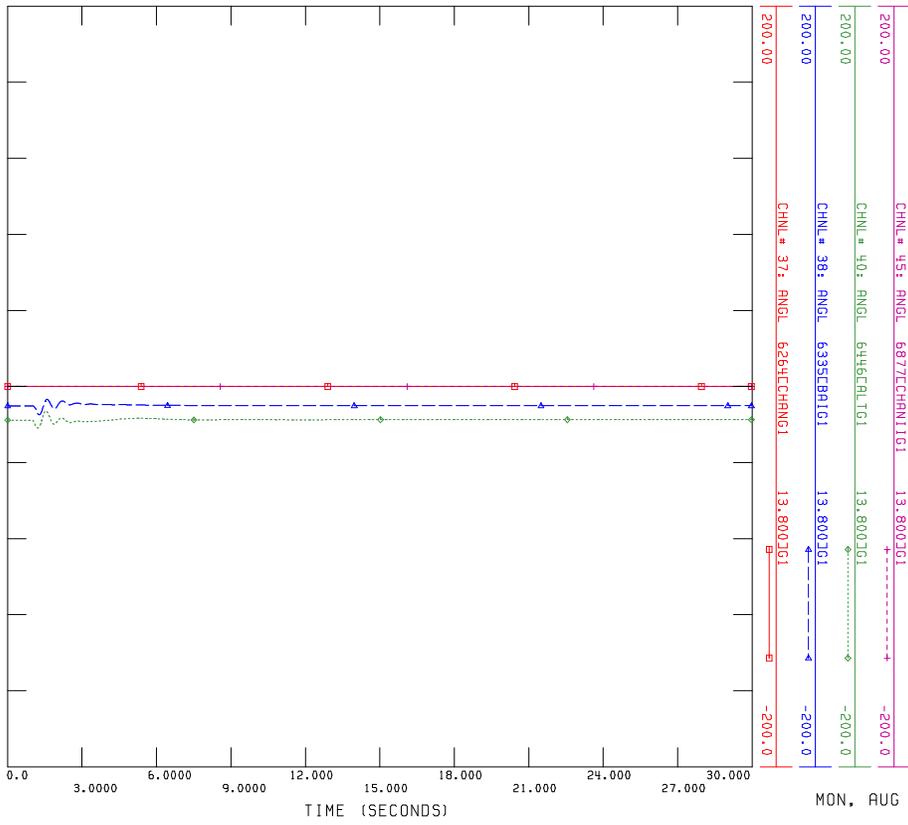


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P003 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P003\_3FS\_01\_2020CA-ModMax-Sec.out



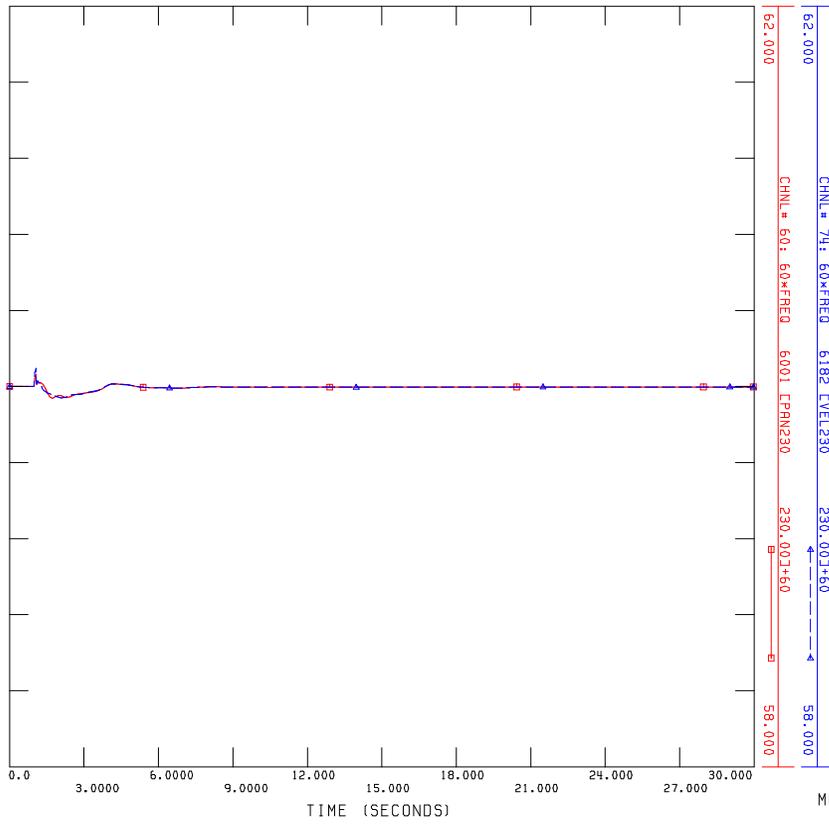
MON, AUG 01 2016 8:42

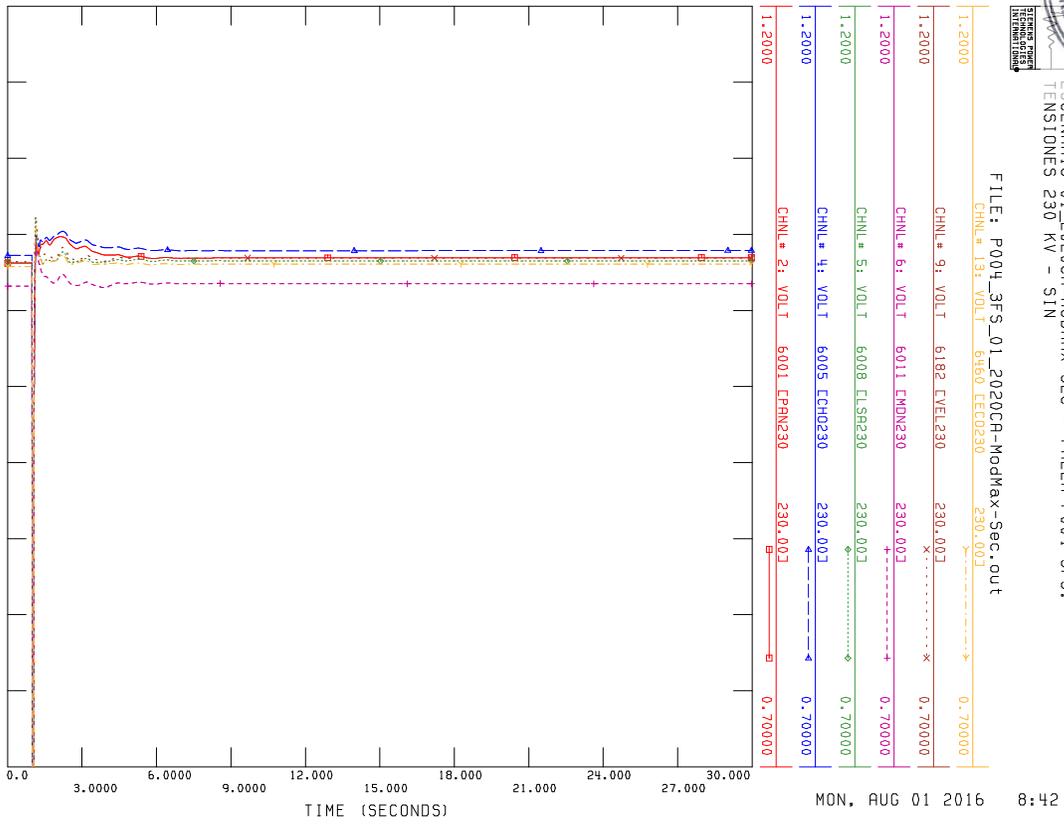


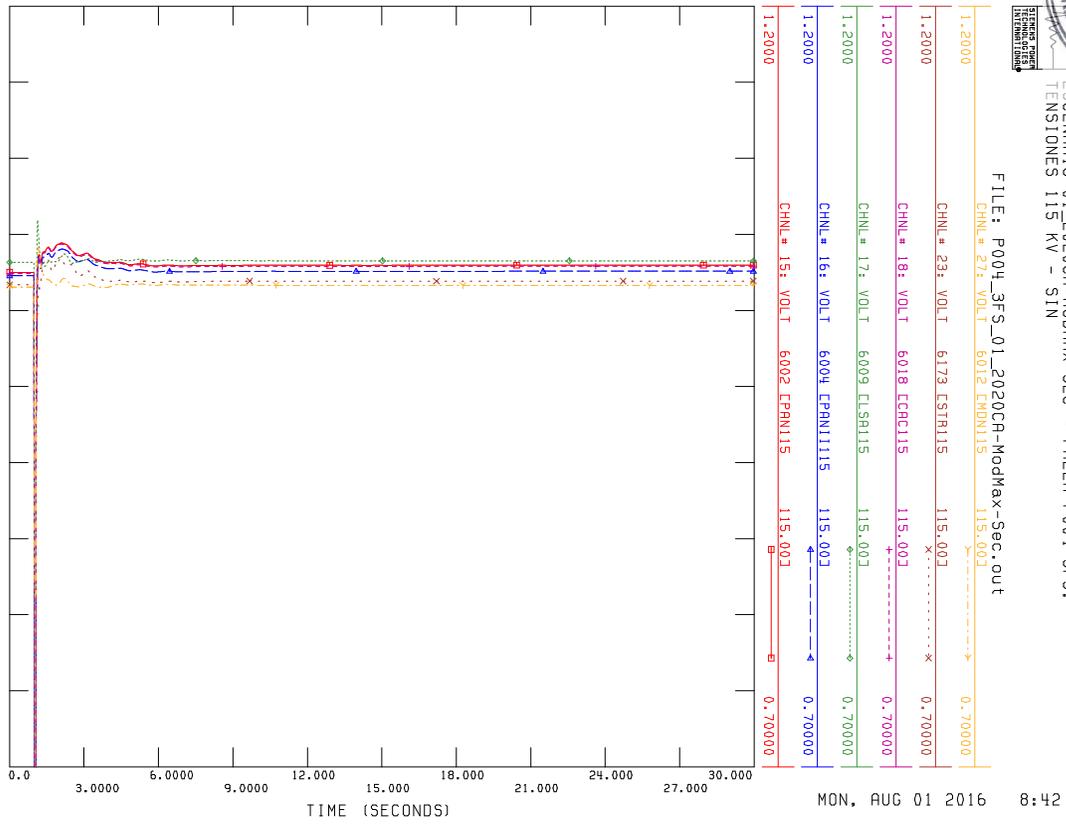
ESPECIFICACIONES TÉCNICAS

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P003 3FS.  
FRECUENCIAS.

FILE: P003\_3FS\_01\_2020CA-ModMax-Sec.out

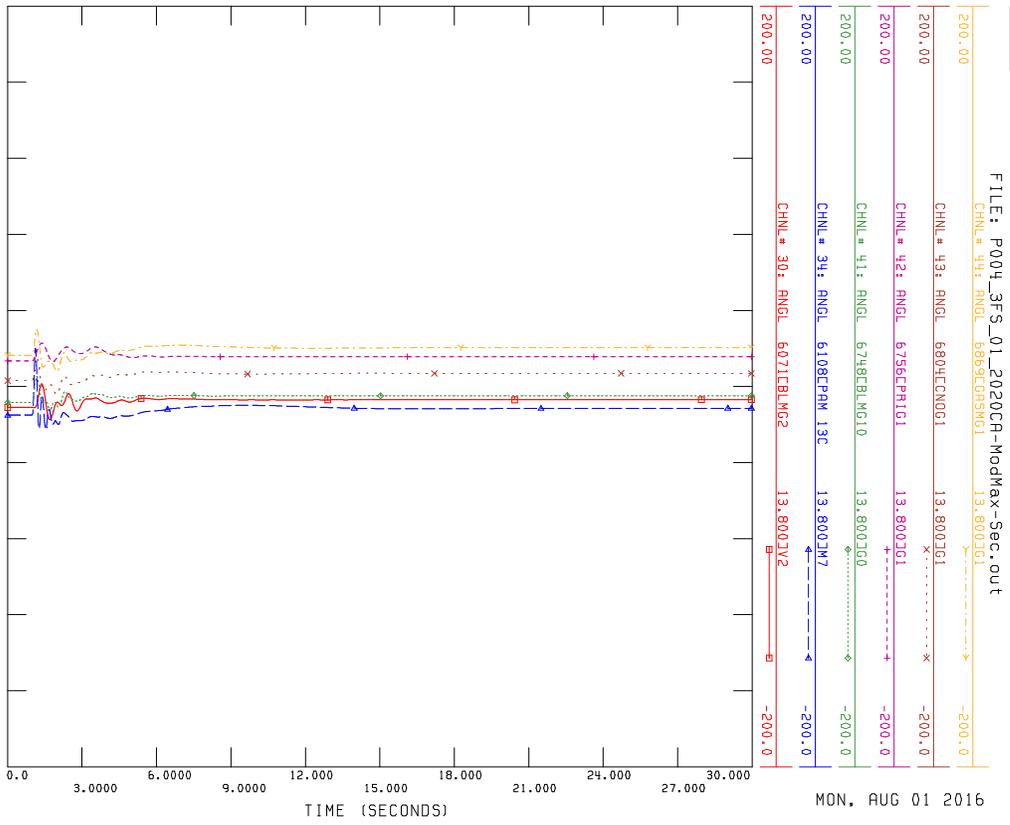








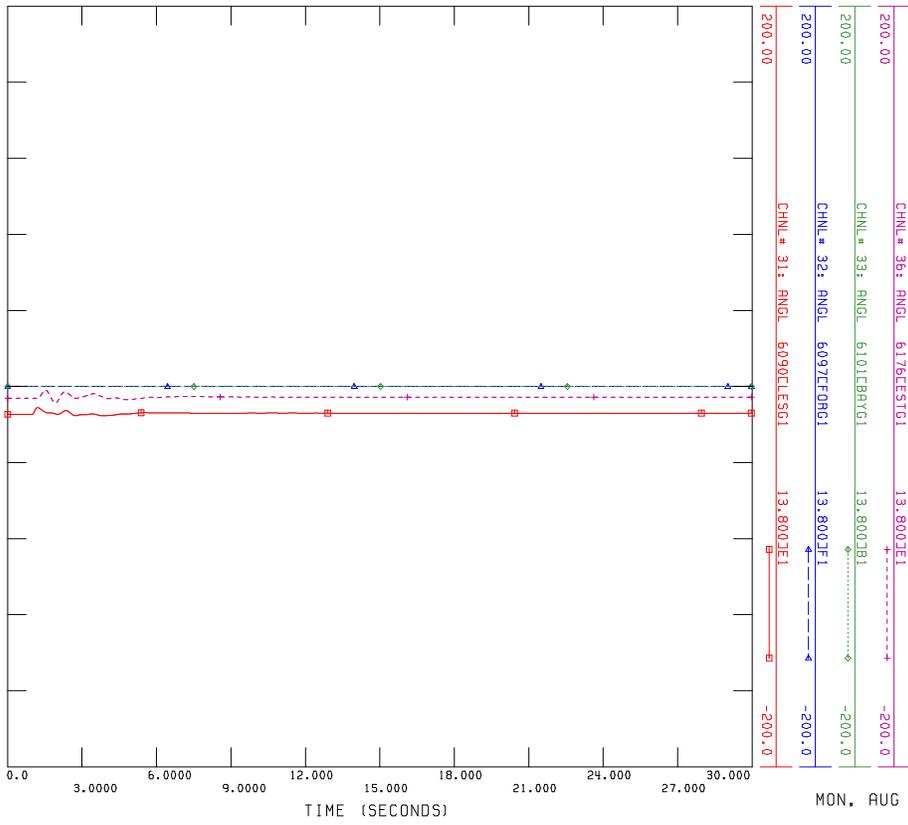
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P004 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P004 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P004\_3FS\_01\_2020CA-ModMax-Sec.out

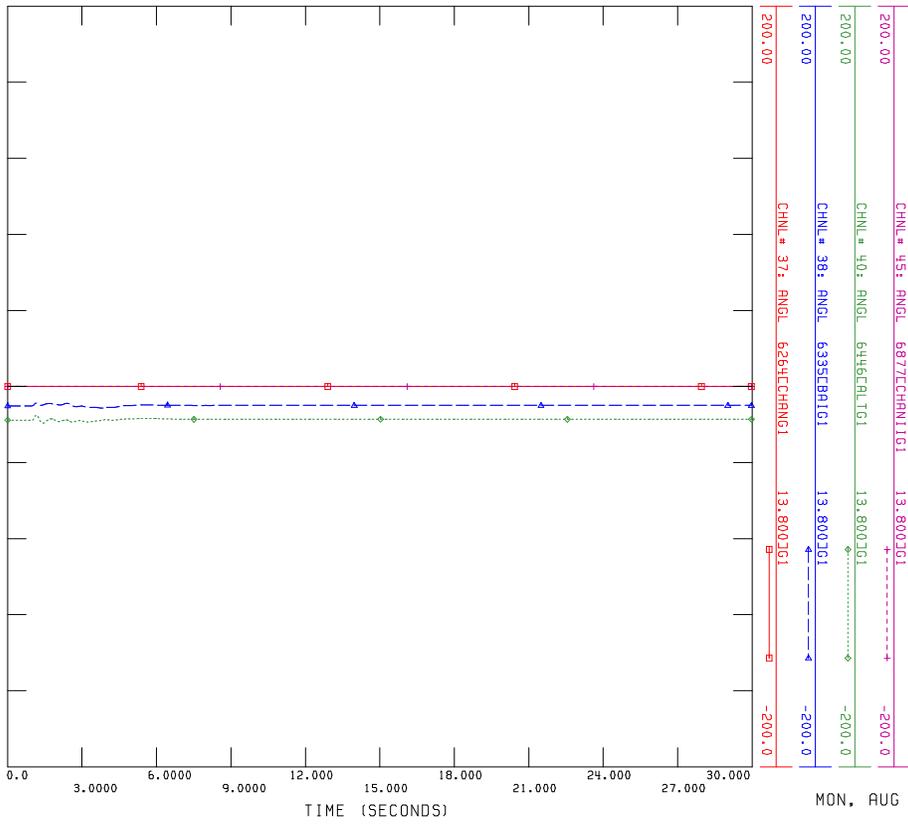


MON, AUG 01 2016 8:43



ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P004 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P004\_3FS\_01\_2020CA-ModMax-Sec.out



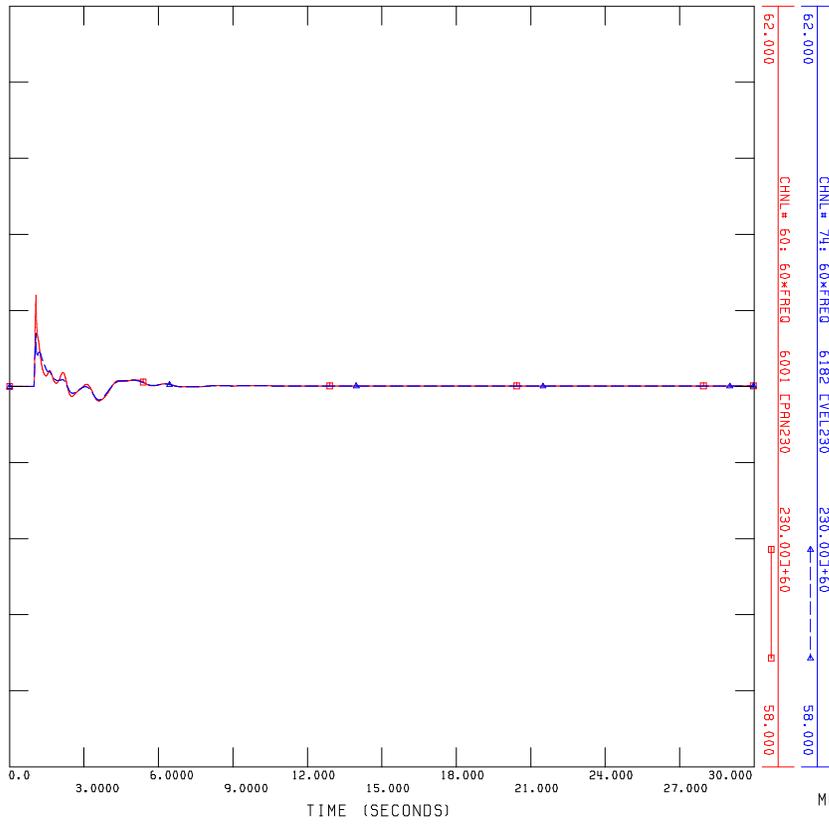
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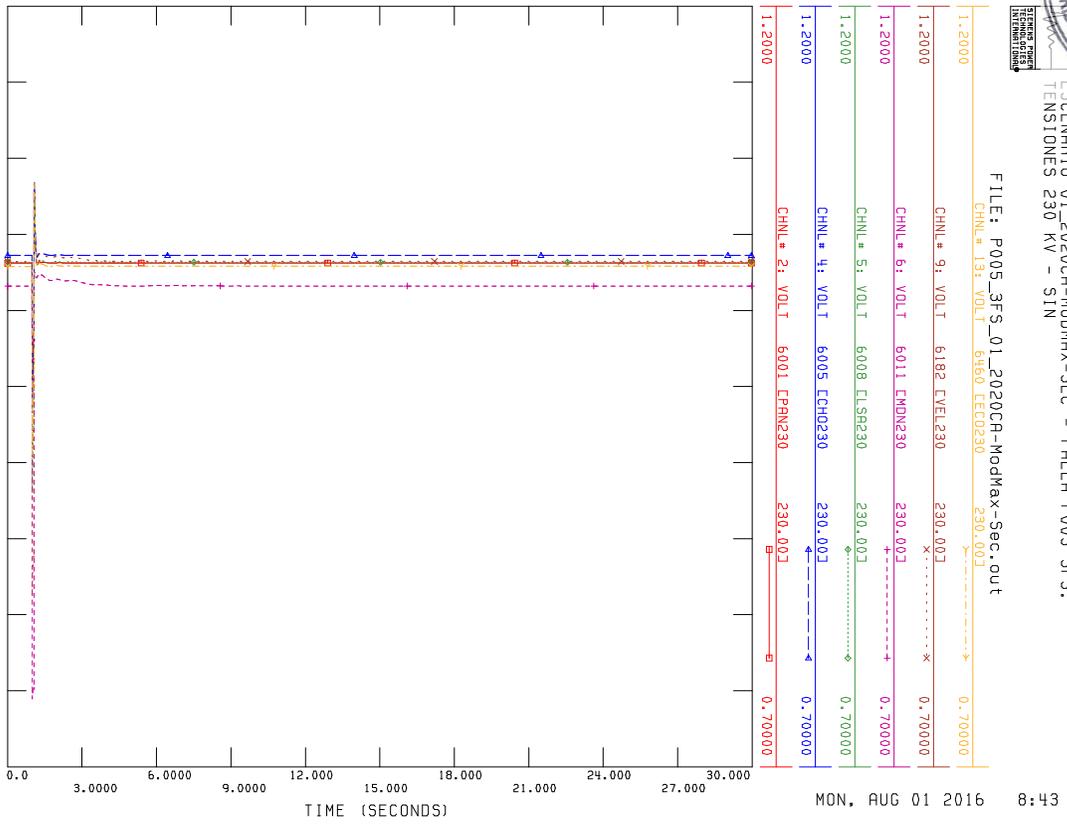
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FALLAS  
FRECUENCIAS

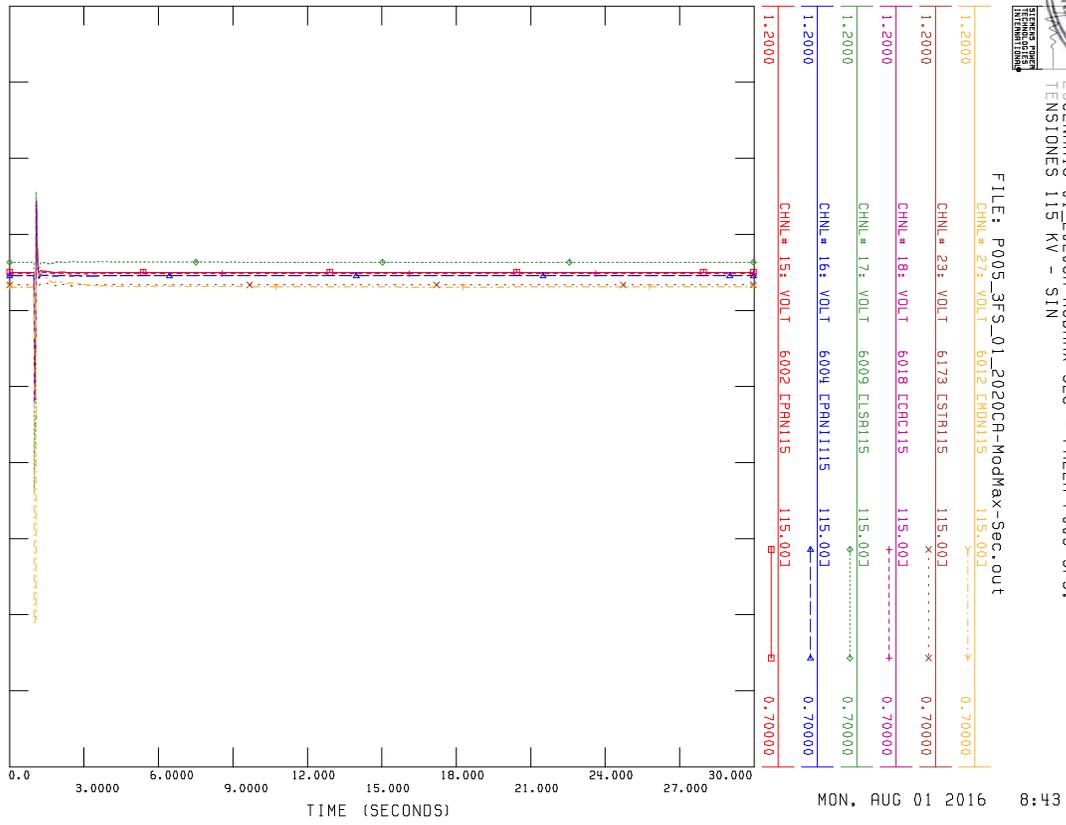
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FRECUENCIAS.

FILE: P004\_3FS\_01\_2020CA-ModMax-Sec.out



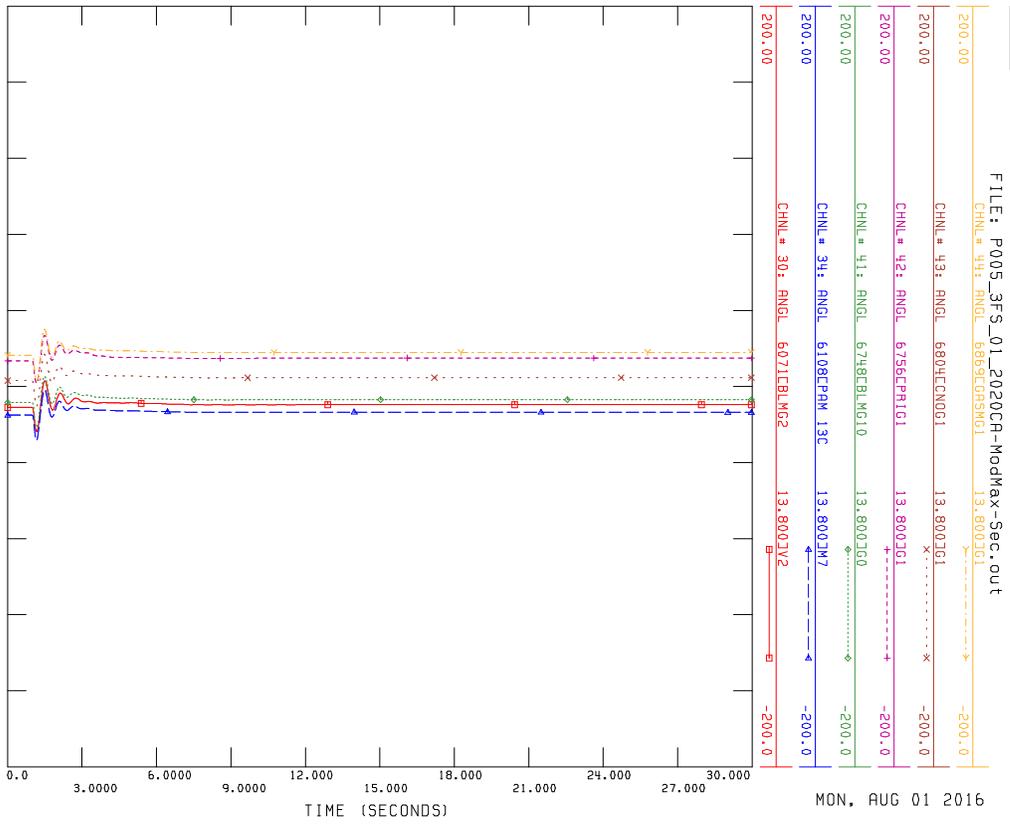
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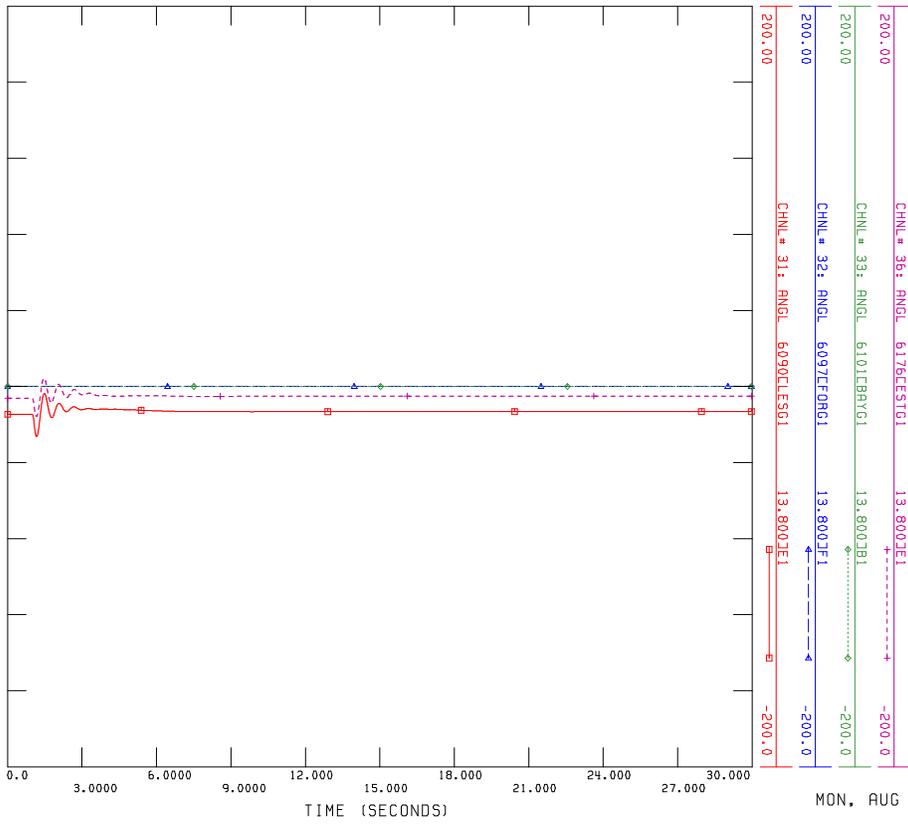
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P005 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P005 3FS.  
 ANGULOS RELATIVOS EN MAQUINNS HIDRAULICAS.

FILE: P005\_3FS\_01\_2020CA-ModMax-Sec.out

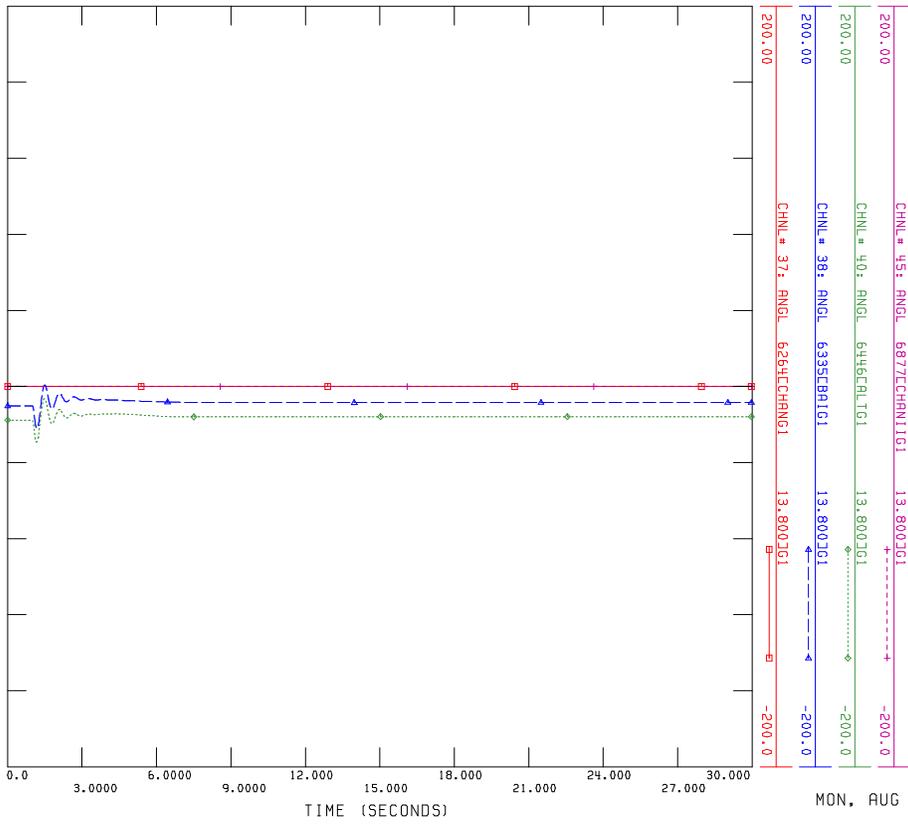


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P005 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P005\_3FS\_01\_2020CA-ModMax-Sec.out



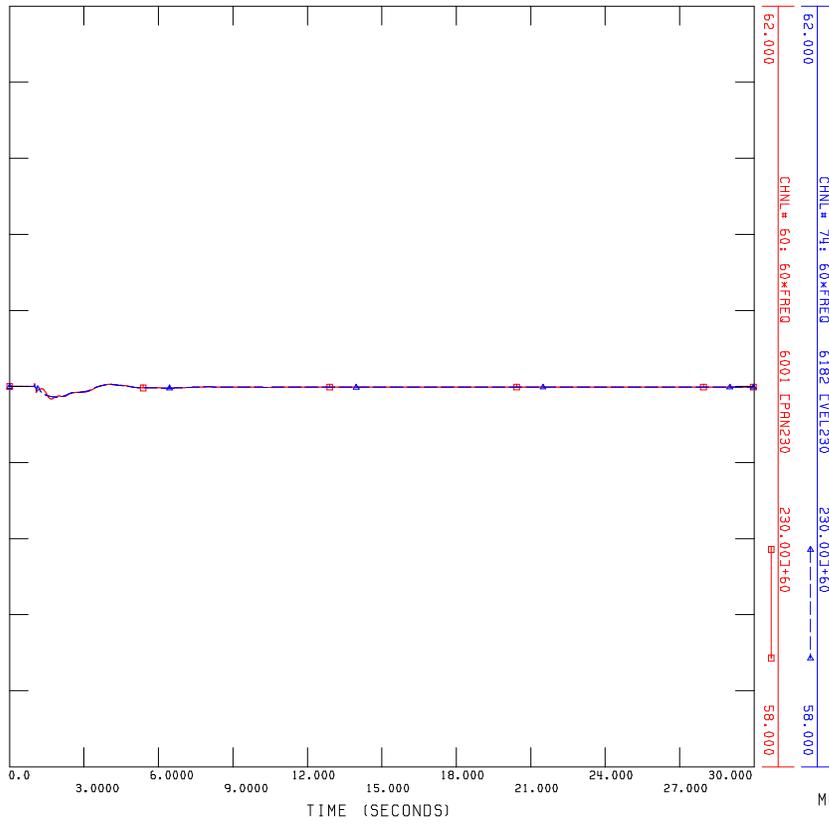
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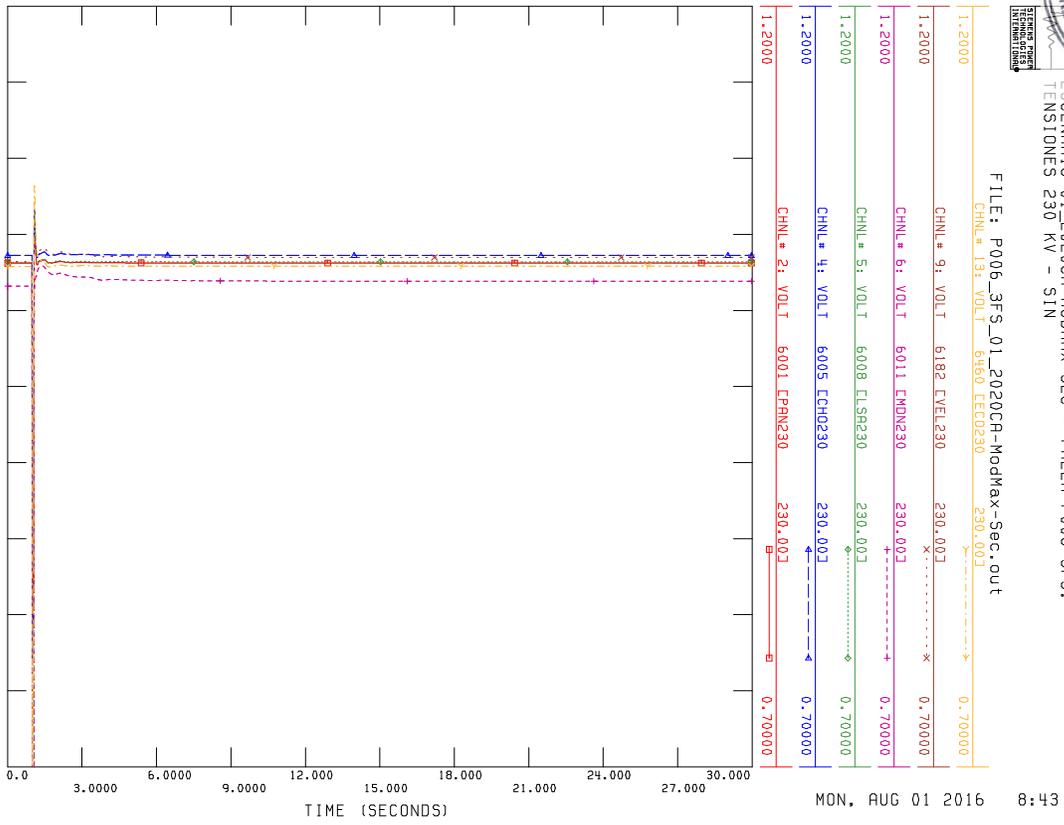


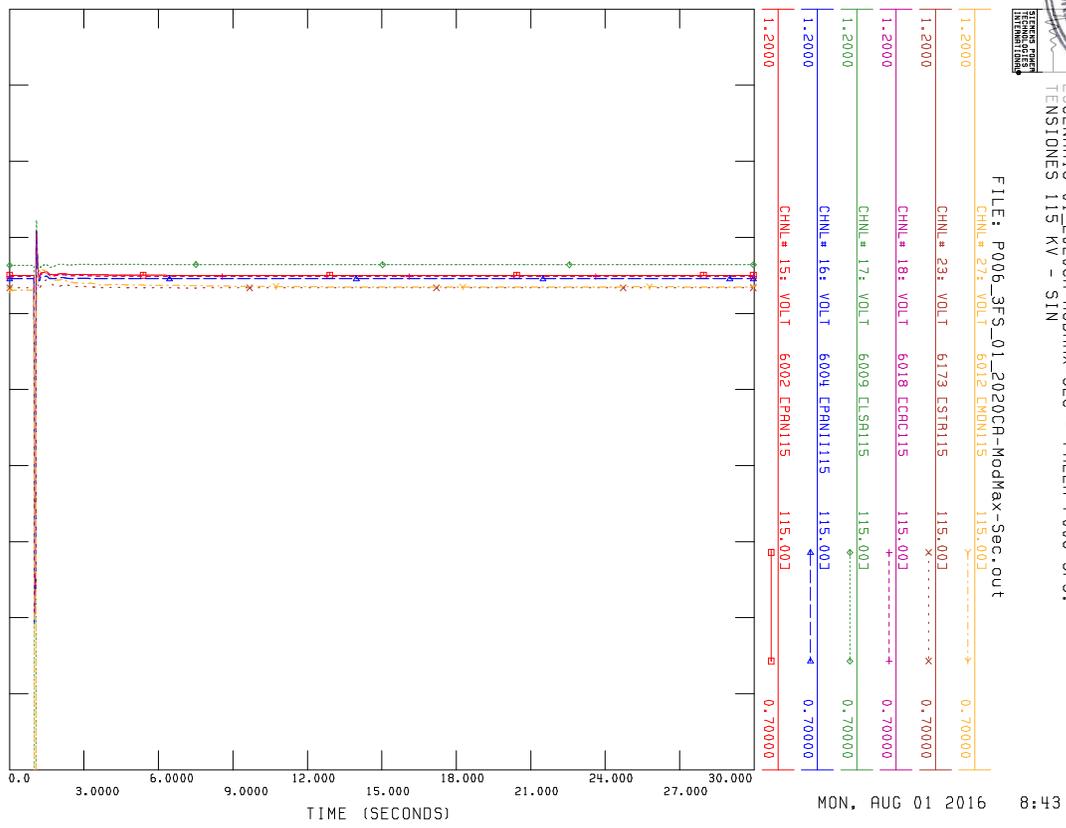
REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P005 3FS.  
FRECUENCIAS.

FILE: P005\_3FS\_01\_2020CA-ModMax-Sec.out

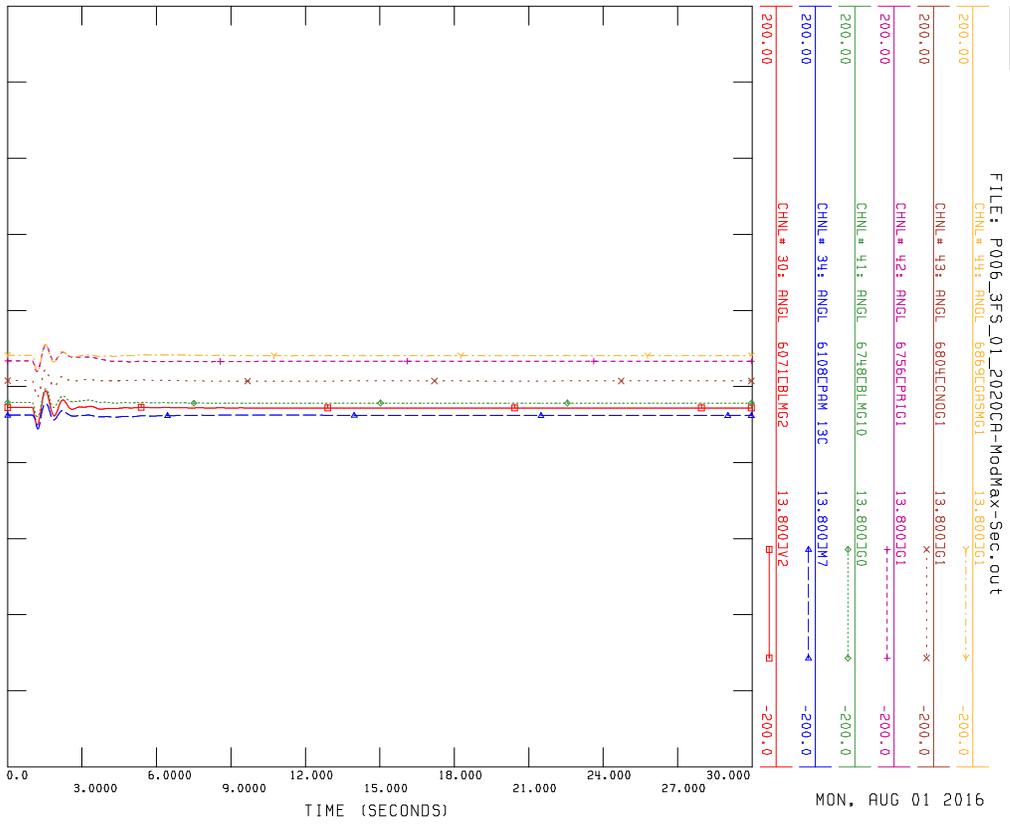








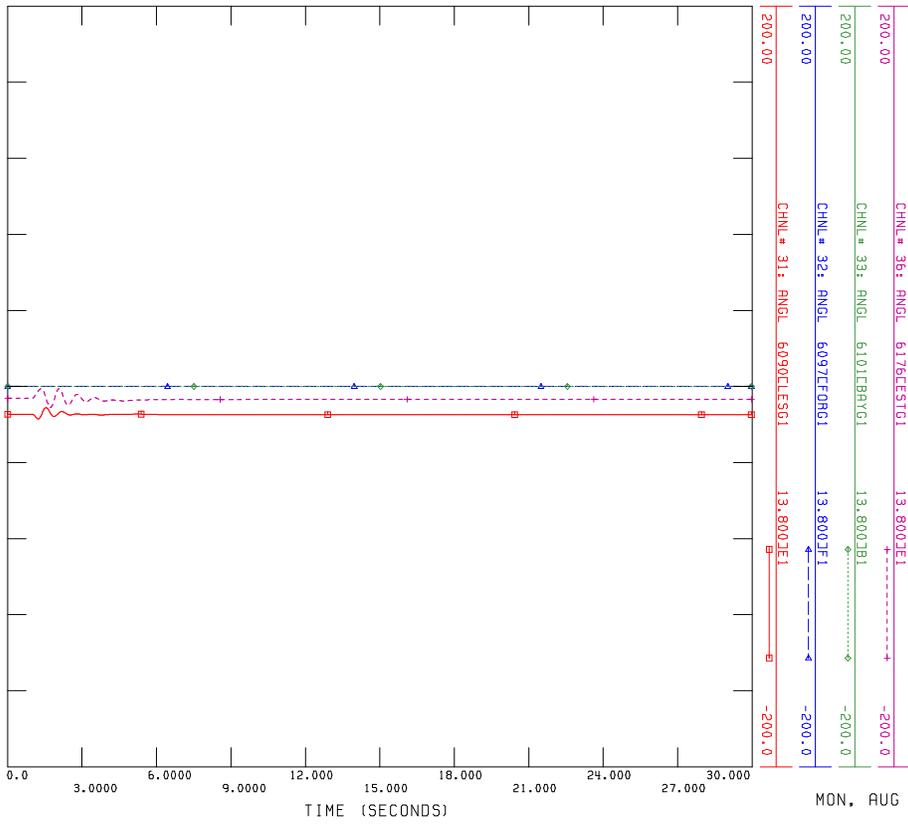
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 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P006 3FS.  
 ANGULOS RELATIVOS EN MAQUINNS HIDRAULICAS.

FILE: P006\_3FS\_01\_2020CA-ModMax-Sec.out

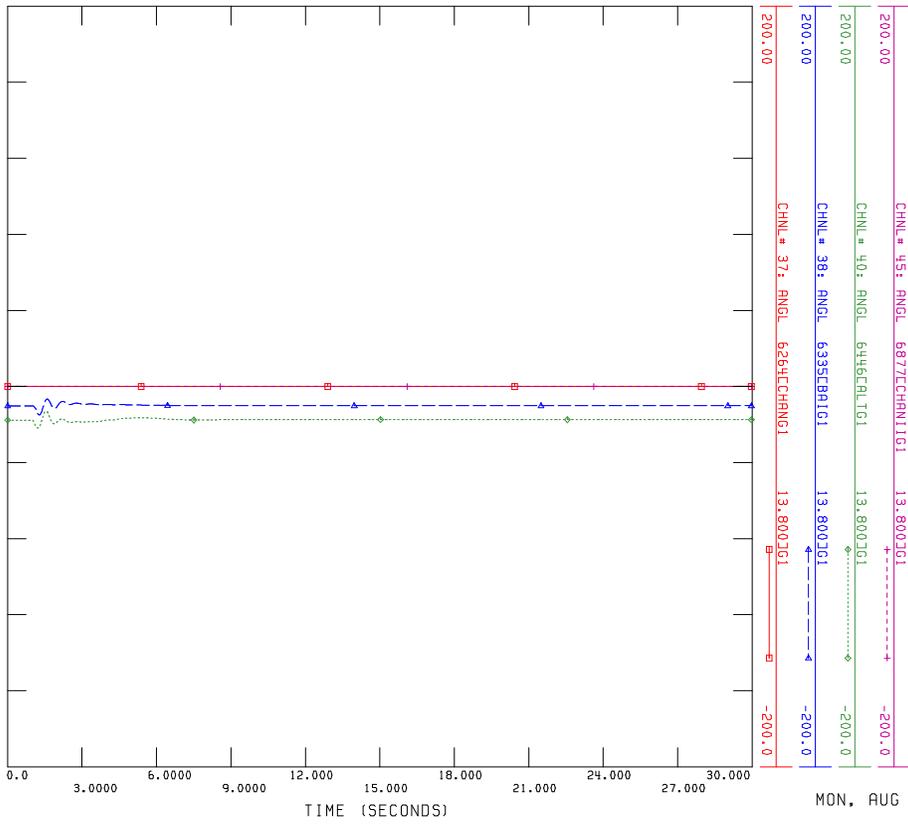


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P006 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P006\_3FS\_01\_2020CA-ModMax-Sec.out



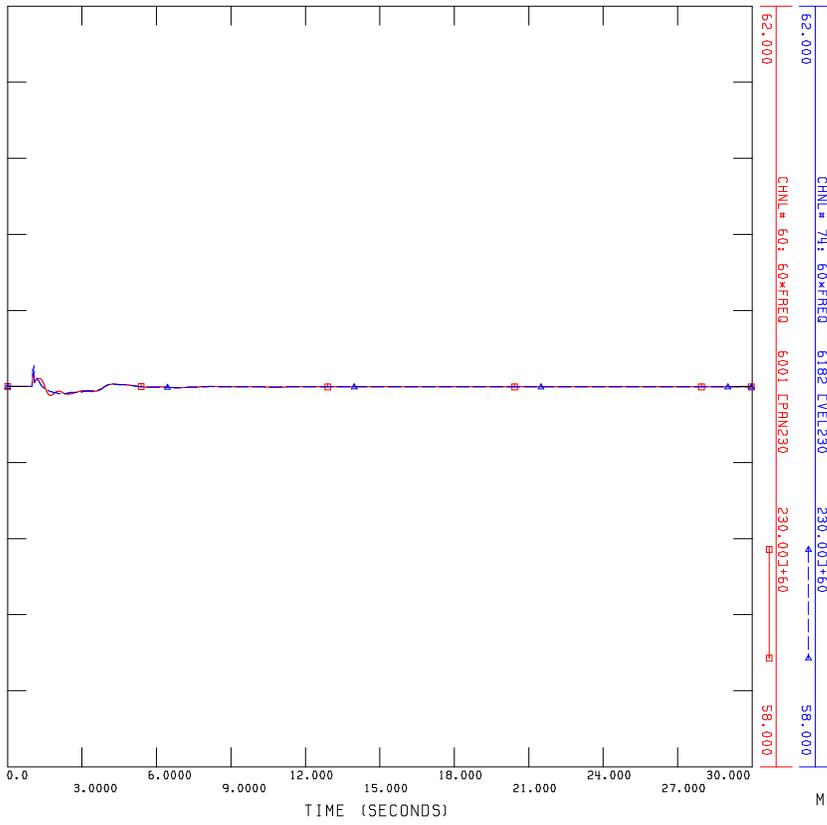
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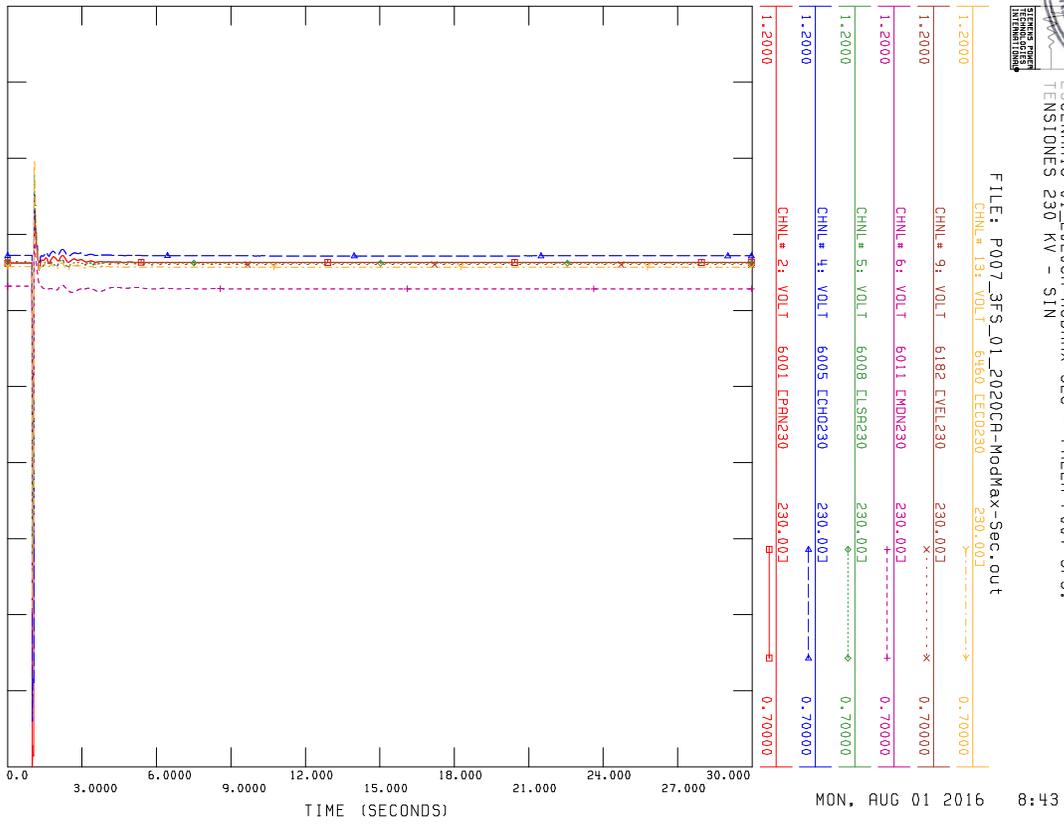
ESQUEMA DE  
SEÑAL DE  
SERVIDOR

ESQUEMA 01\_2020CA-MODMX-SEC - FALLA P006 3FS.  
FRECUENCIAS.

FILE: P006\_3FS\_01\_2020CA-ModMax-Sec.out

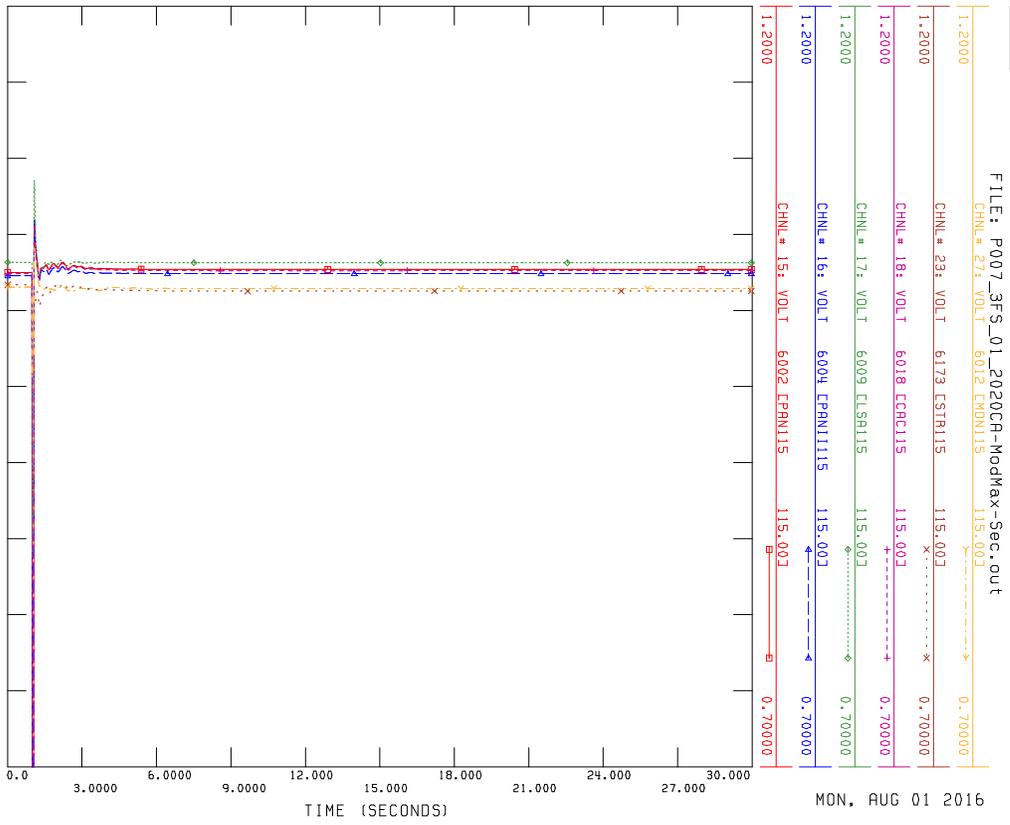


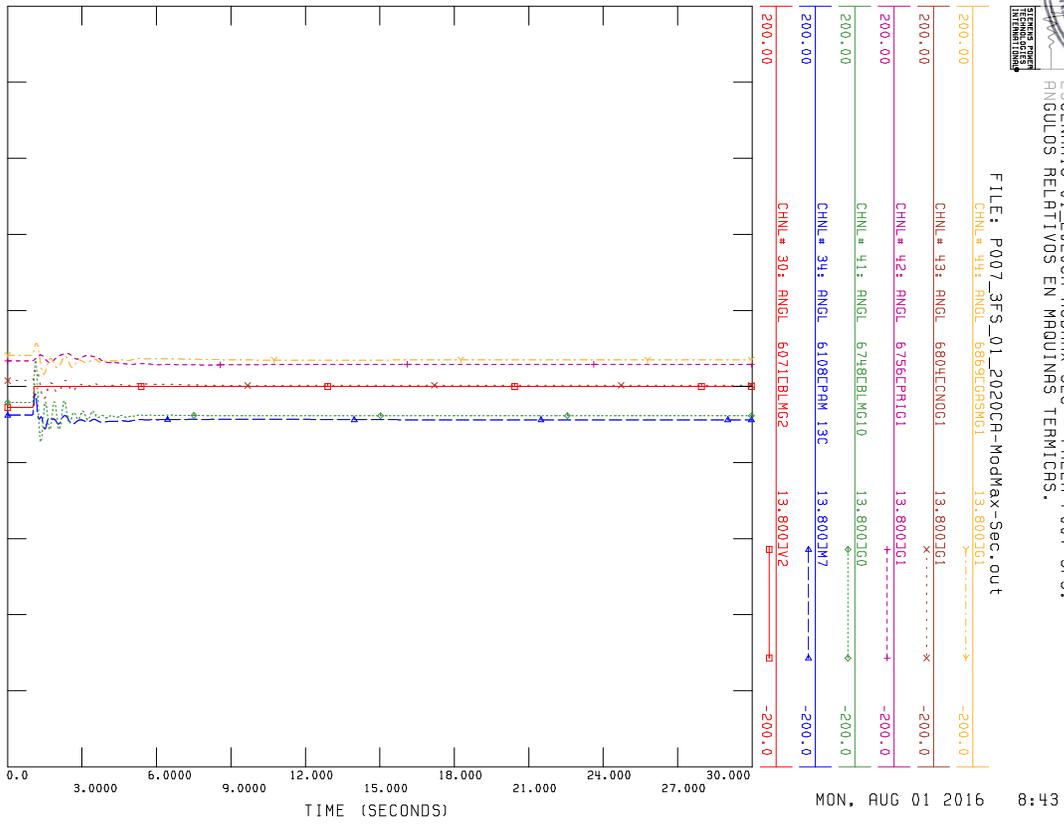
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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P007 3FS.  
TENSIONES 115 KV - SIN

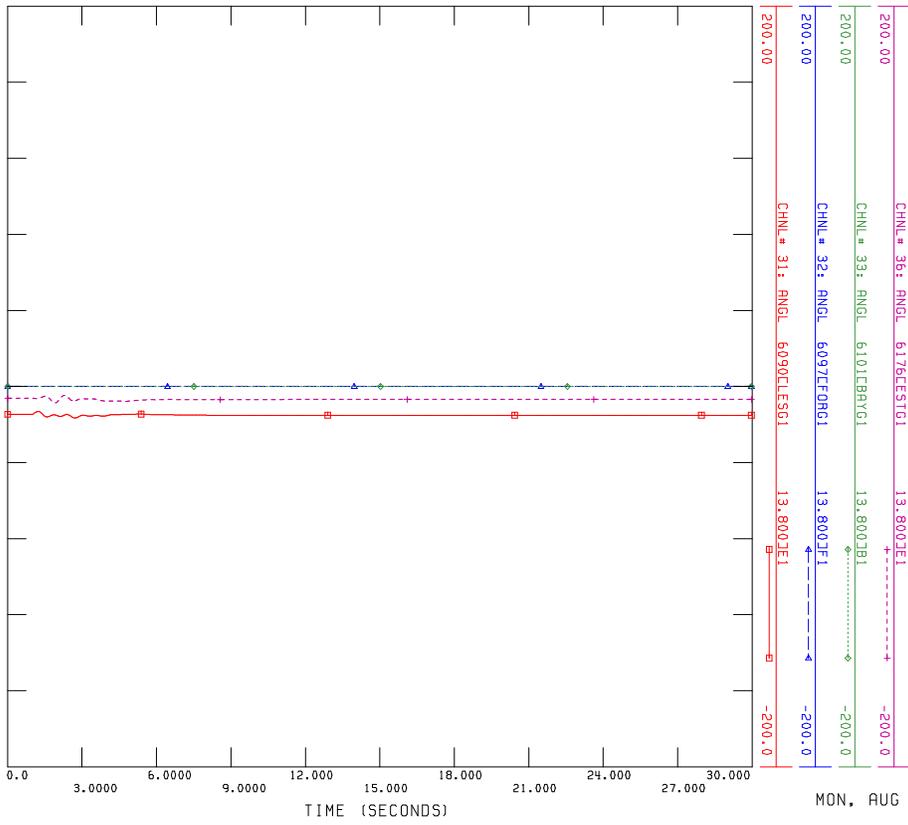






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P007 3FS.  
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P007\_3FS\_01\_2020CA-ModMax-Sec.out

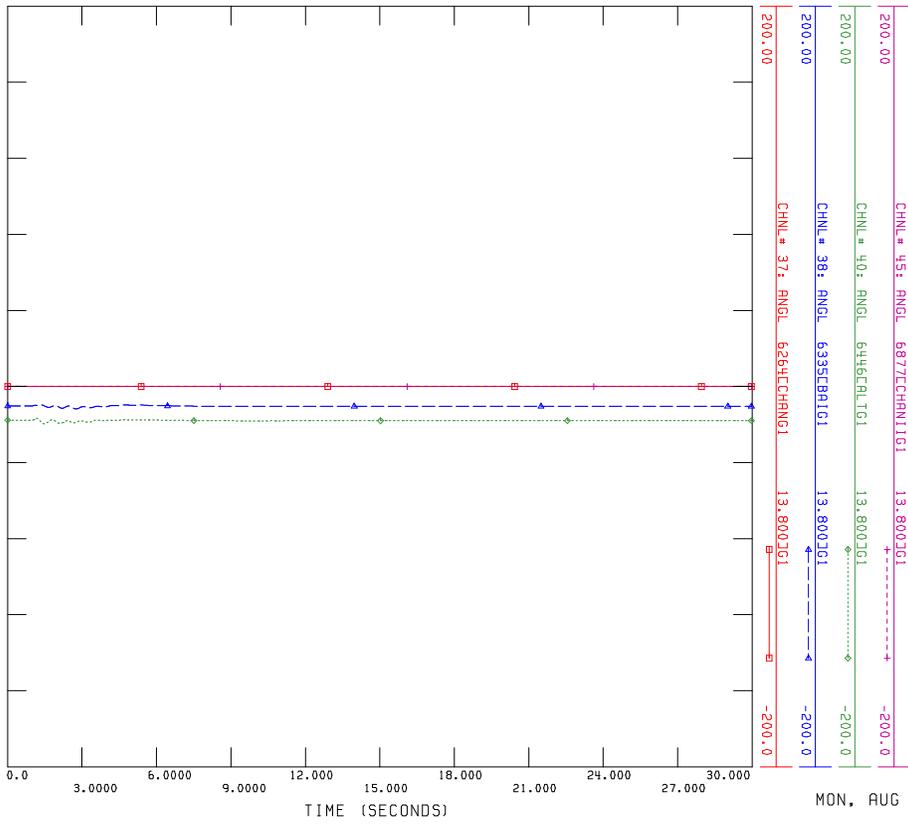


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P007 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P007\_3FS\_01\_2020CA-ModMax-Sec.out



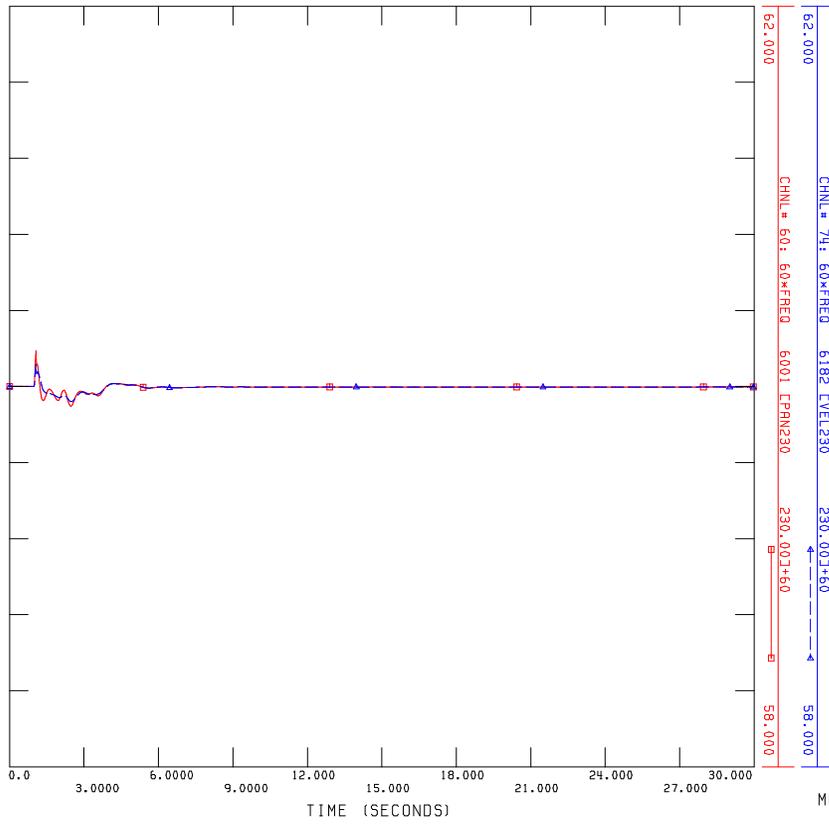
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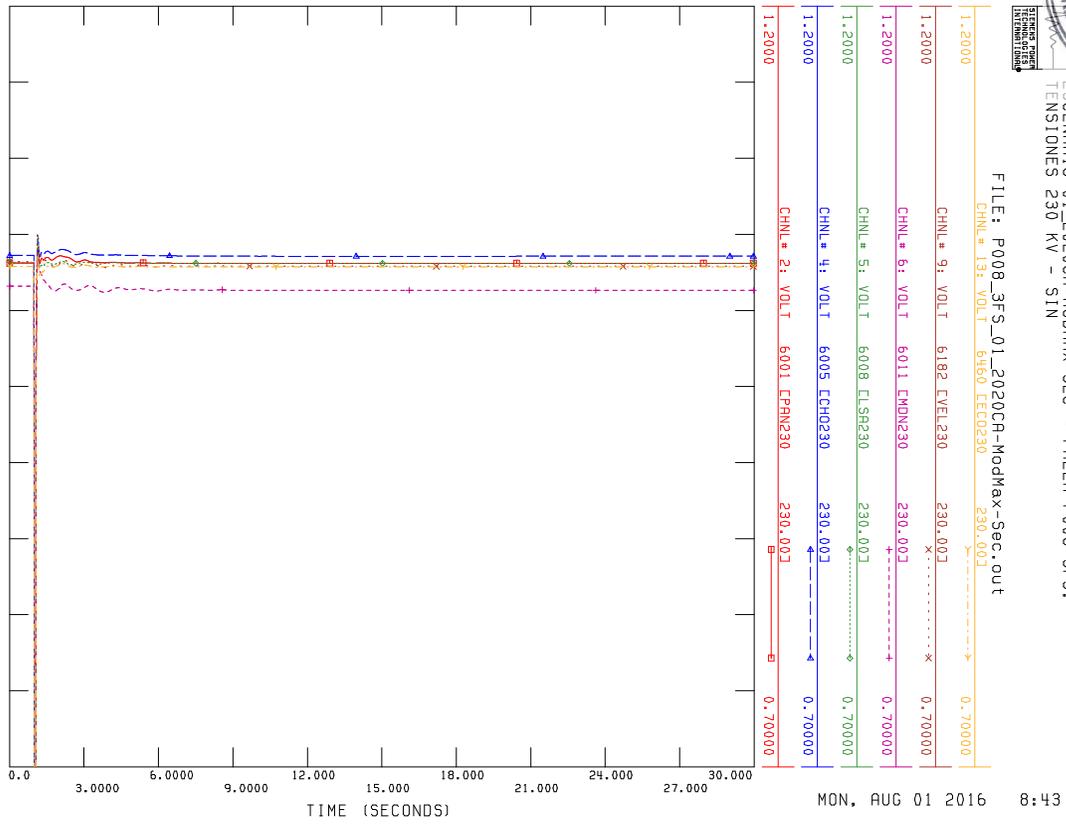


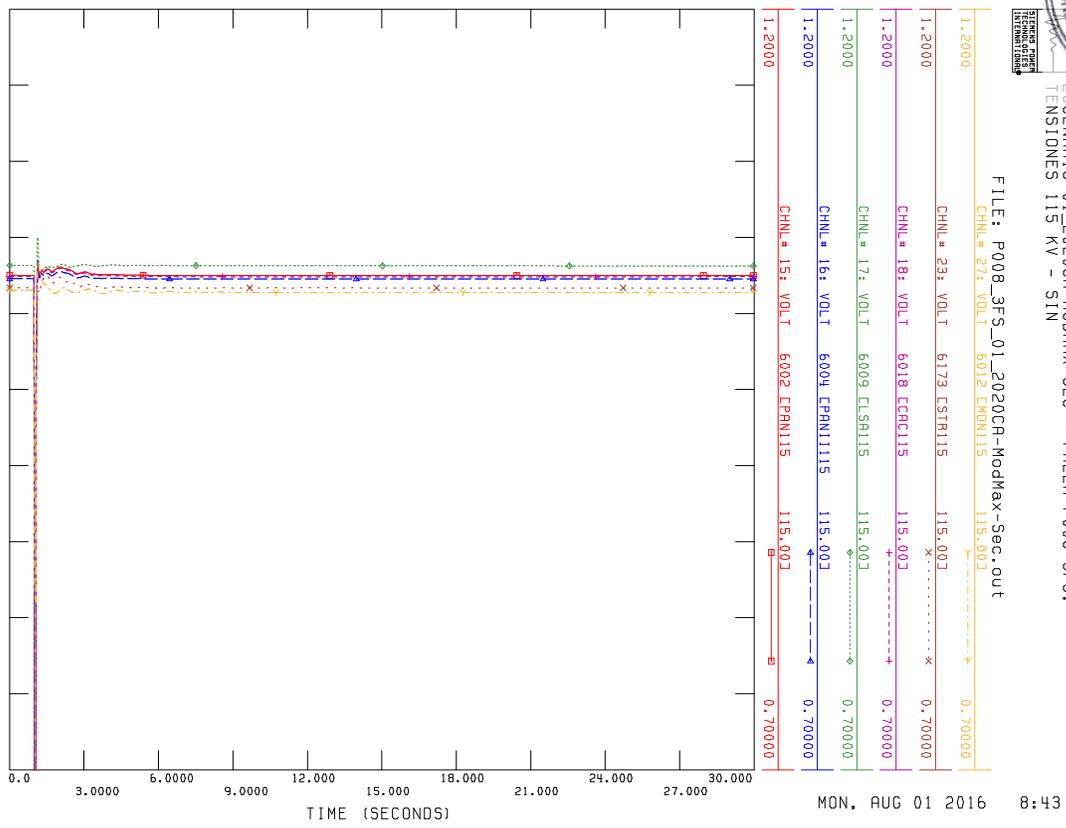
REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

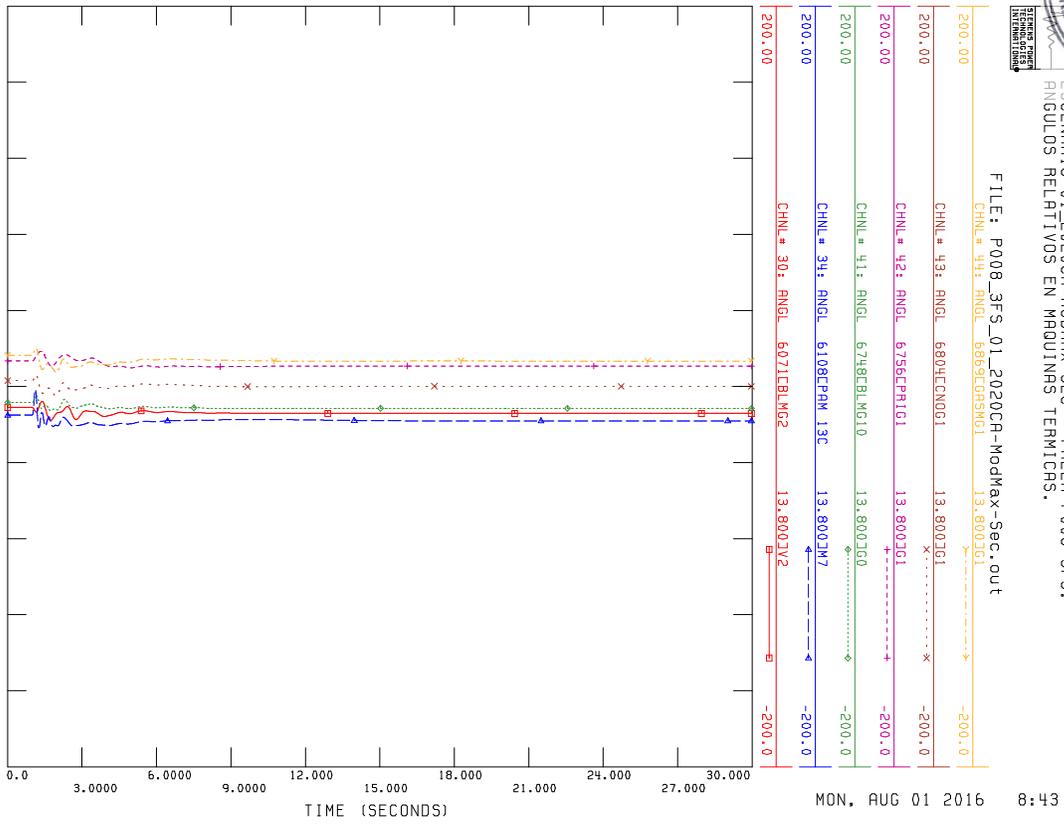
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FRECUENCIAS.

FILE: P007\_3FS\_01\_2020CA-ModMax-Sec.out





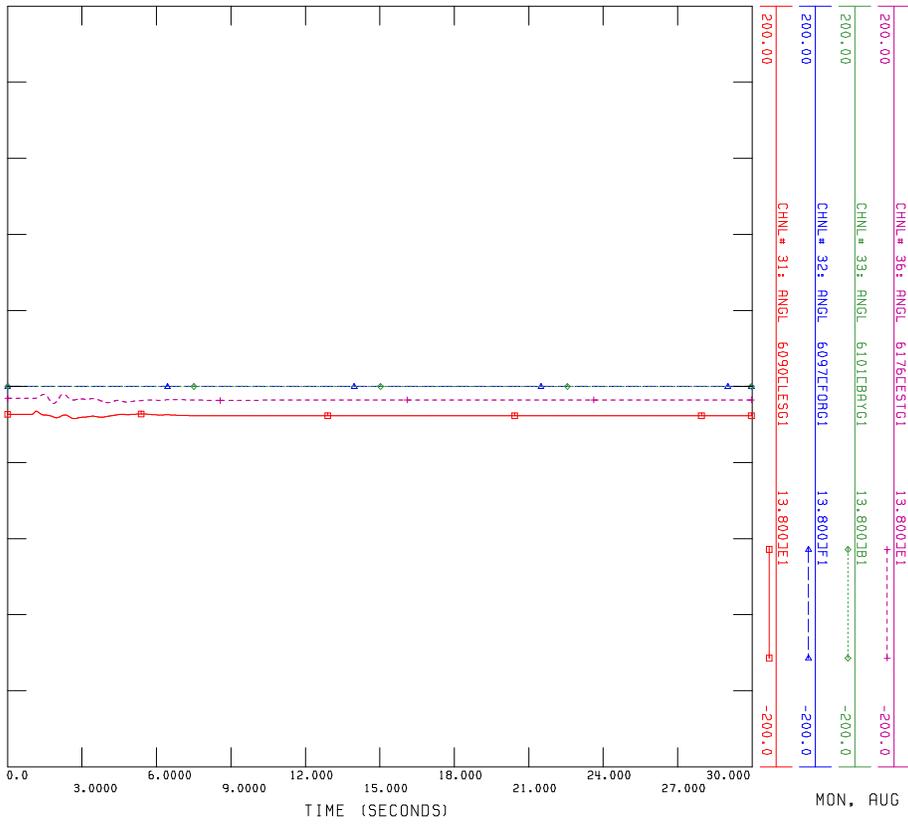






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P008 3FS.  
 ANGULOS RELATIVOS EN MAQUINRS HIDRAULICAS.

FILE: P008\_3FS\_01\_2020CA-ModMax-Sec.out

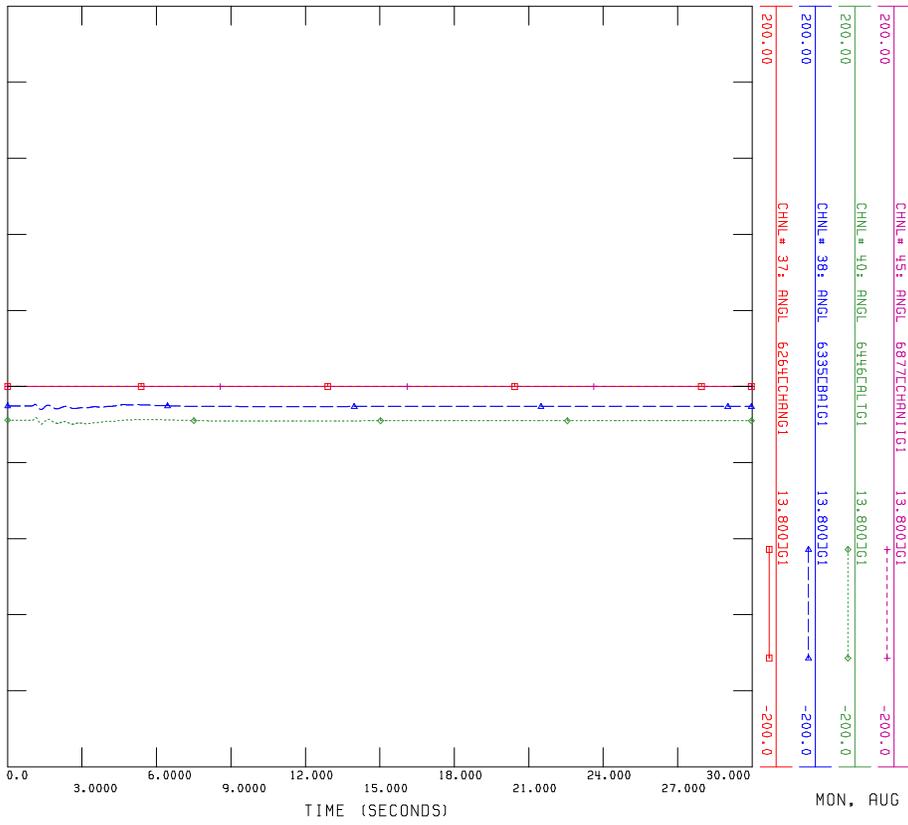


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P008 3FS.  
ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P008\_3FS\_01\_2020CA-ModMax-Sec.out

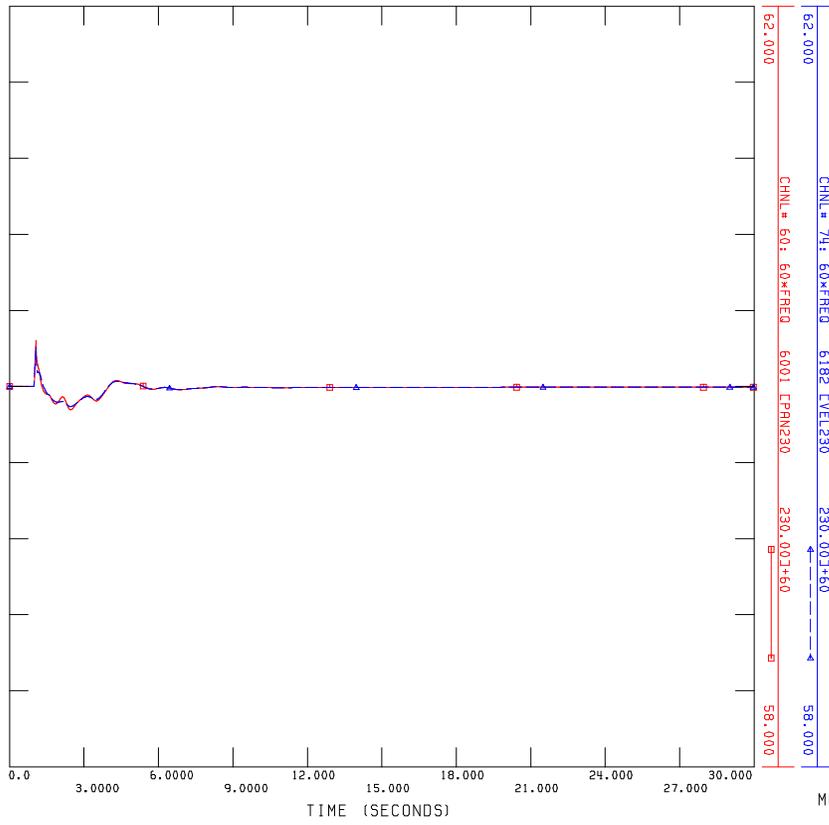


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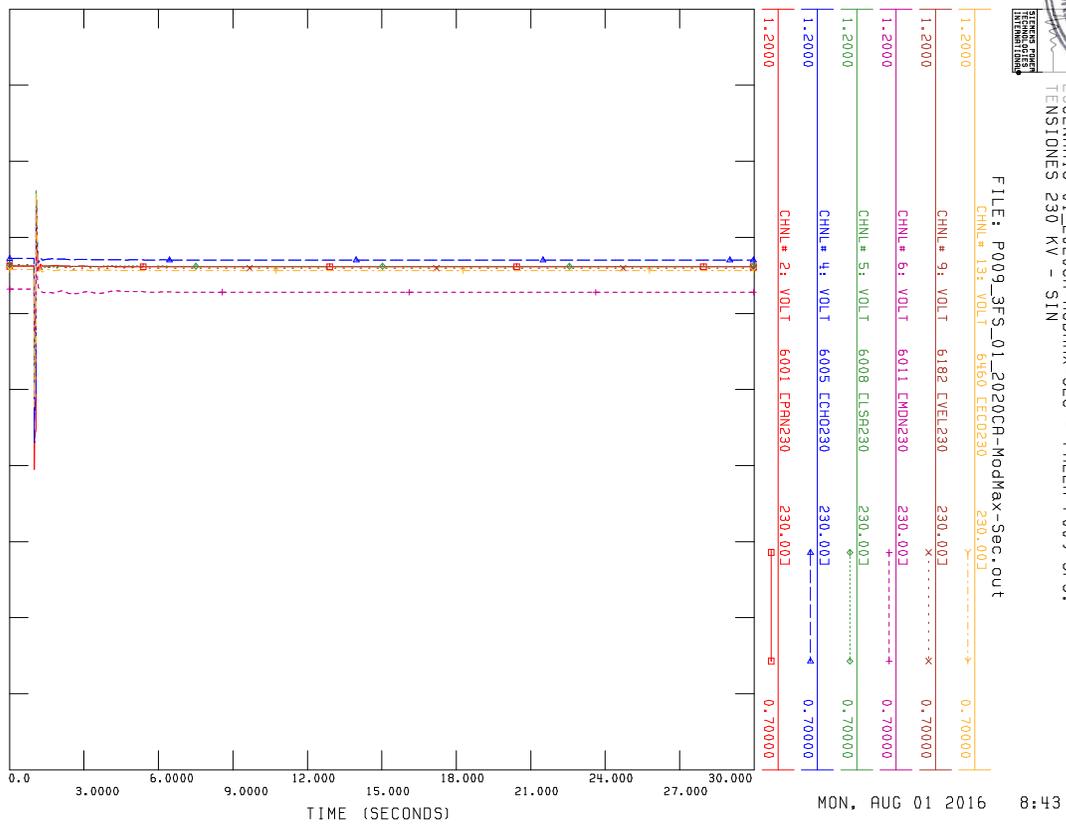


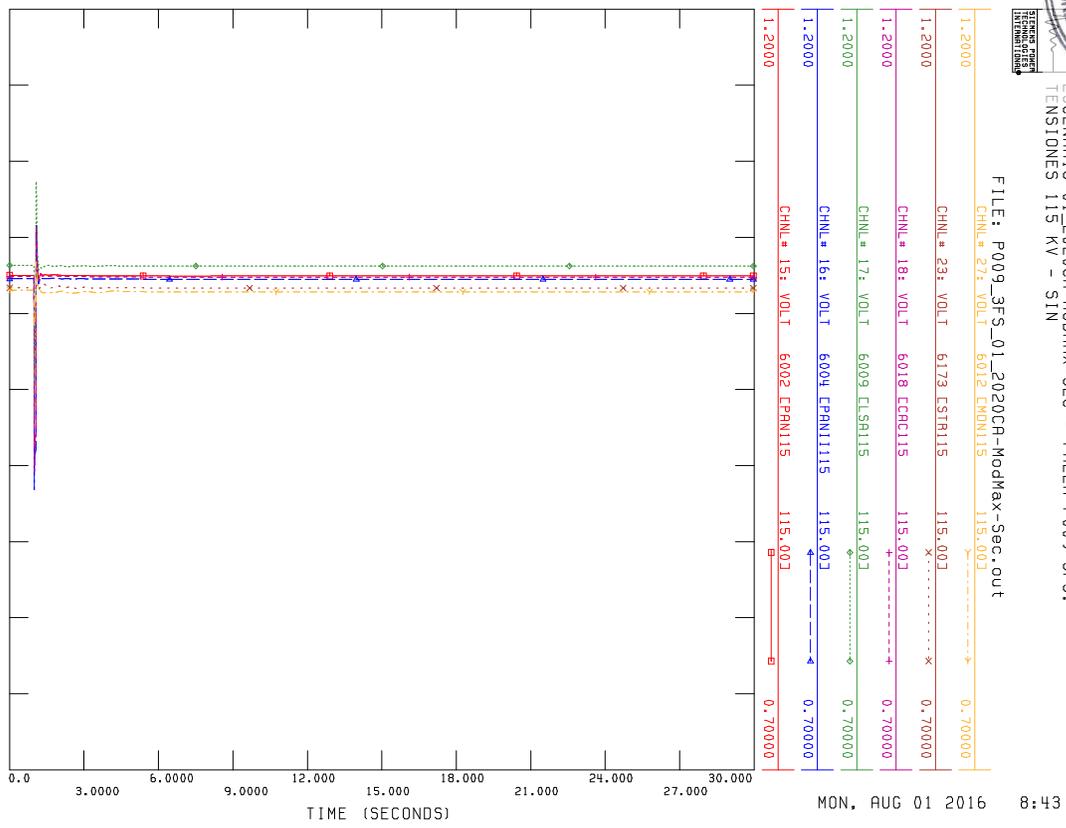
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 FRECUENCIAS.

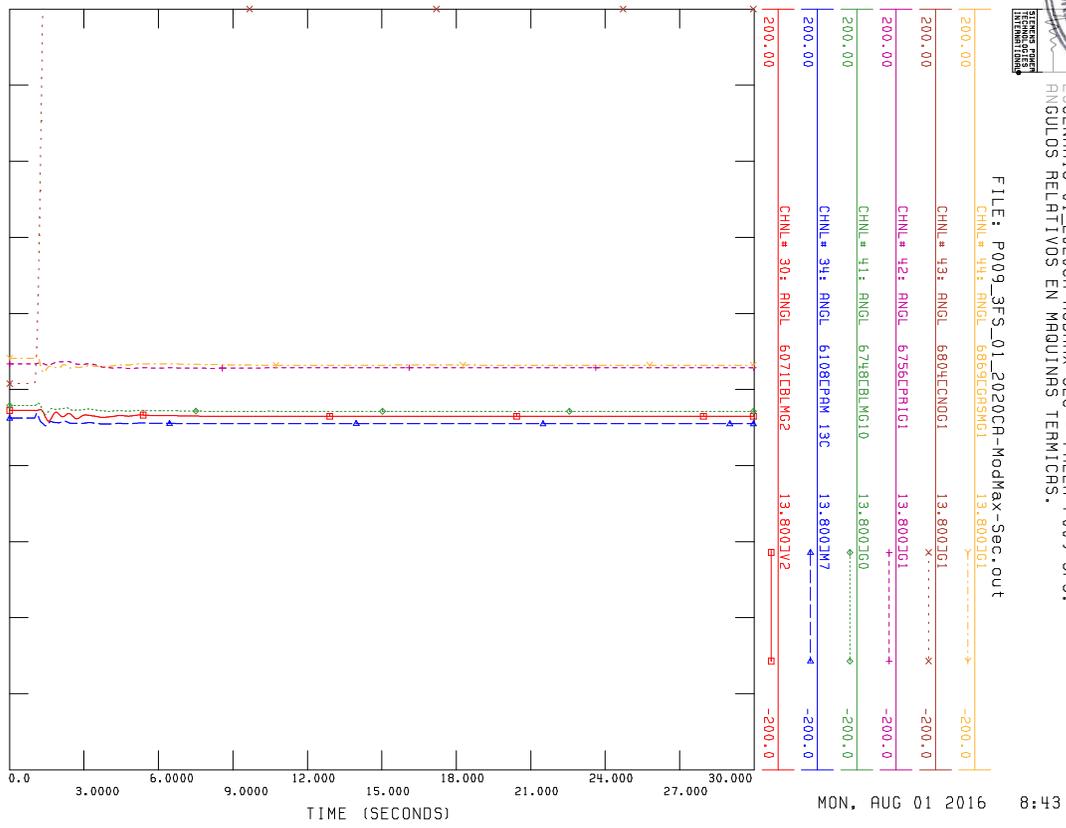
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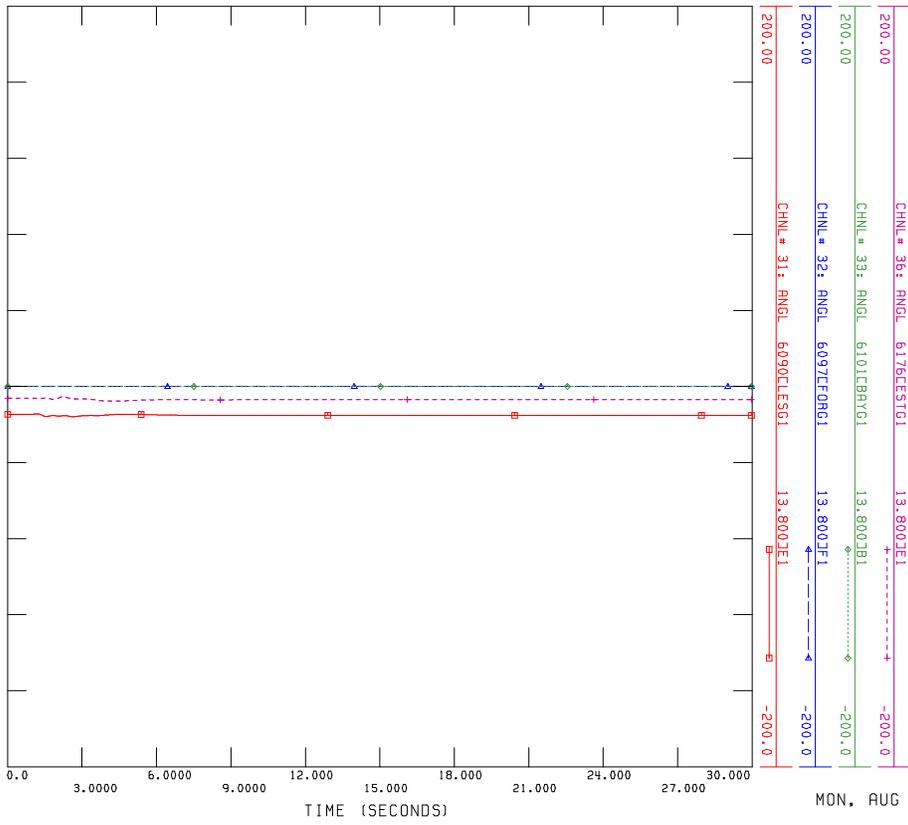






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P009 3FS.  
ÁNGULOS RELATIVOS EN MÁQUINAS HIDRAULICAS.

FILE: P009\_3FS\_01\_2020CA-ModMax-Sec.out

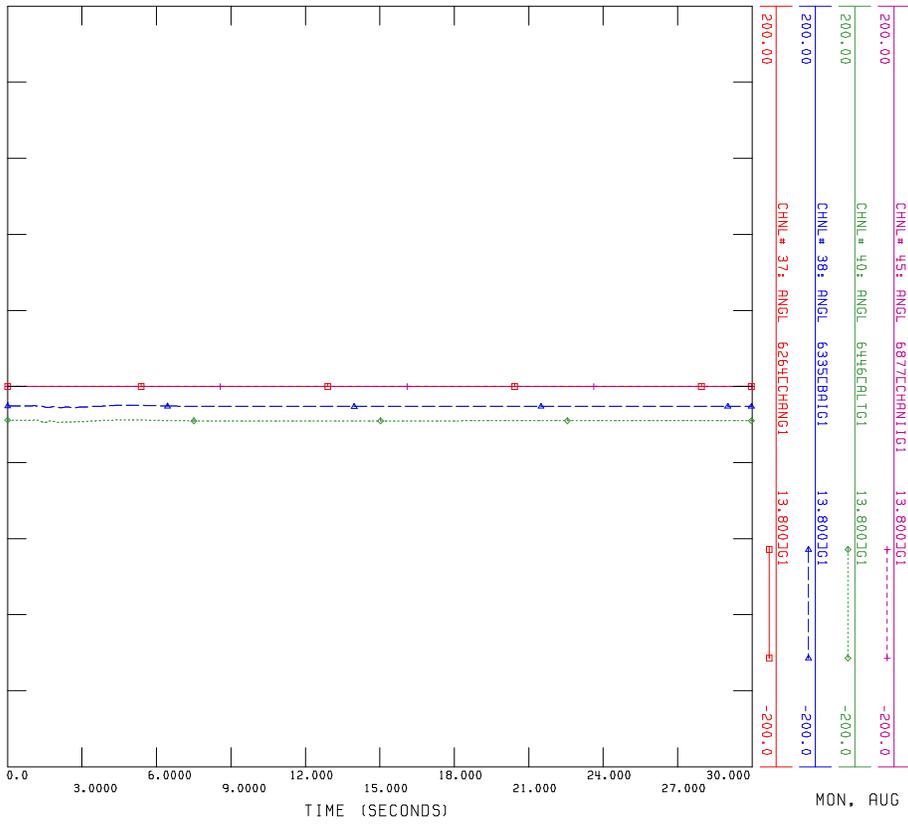


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P009 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P009\_3FS\_01\_2020CA-ModMax-Sec.out



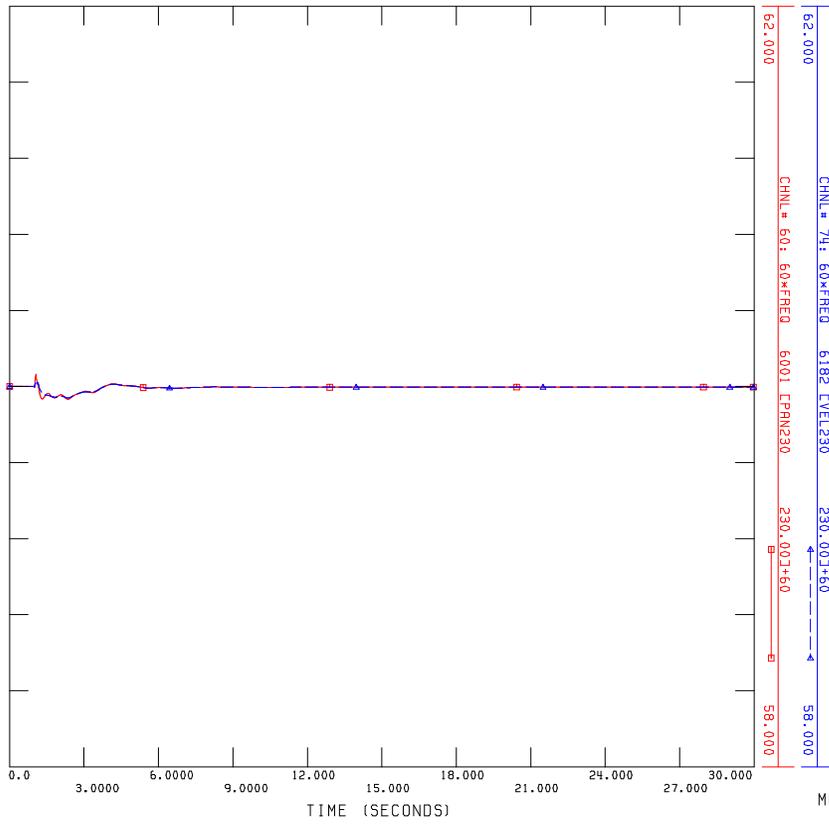
MON, AUG 01 2016 8:43



REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P009 3FS.  
FRECUENCIAS.

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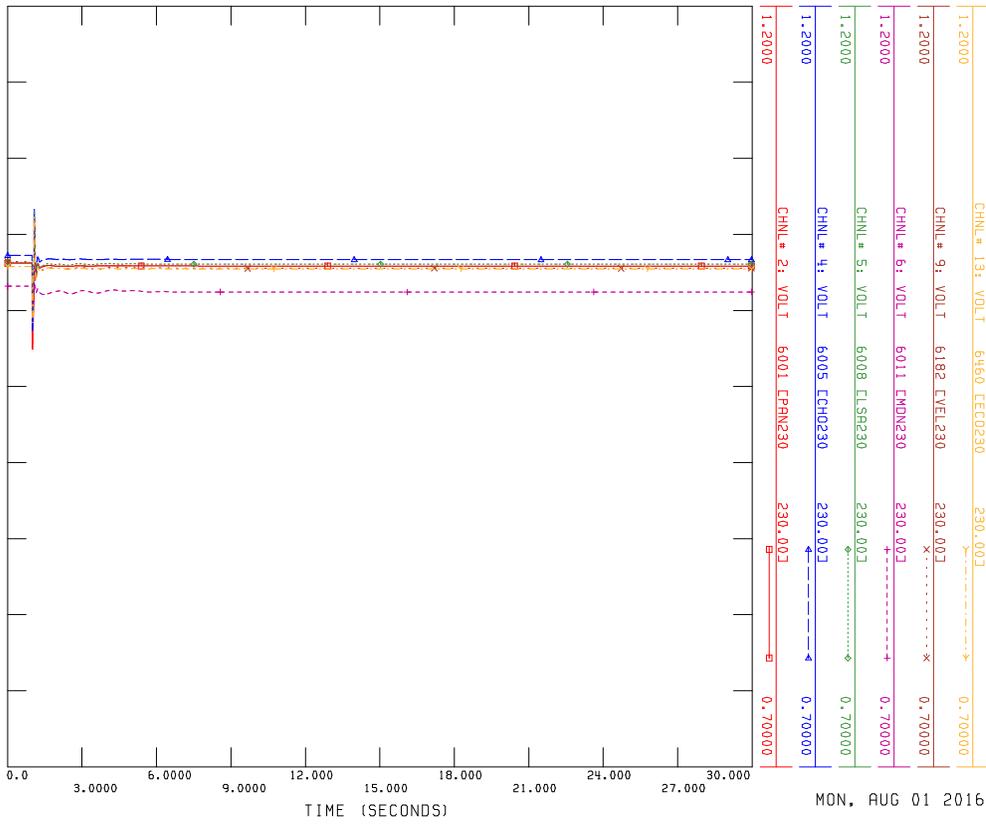




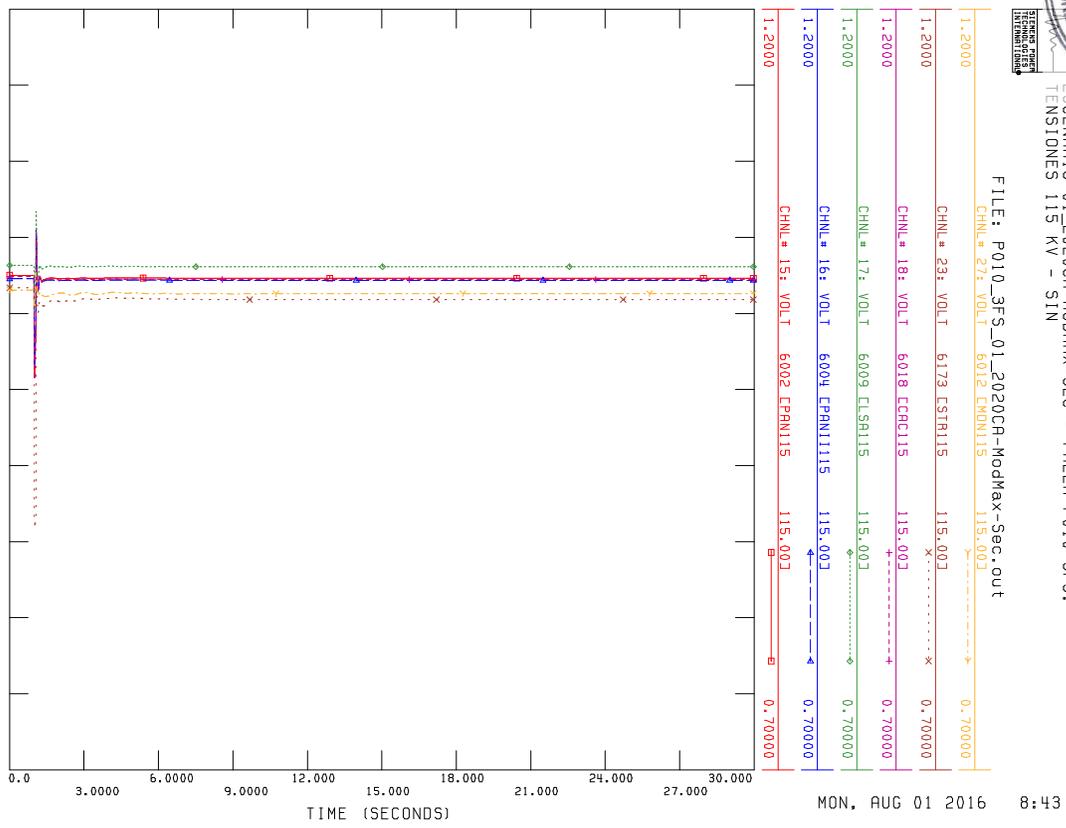
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P010 3FS.

TENSIONES 230 KV - SIN

FILE: P010\_3FS\_01\_2020CA-ModMax-Sec\_out

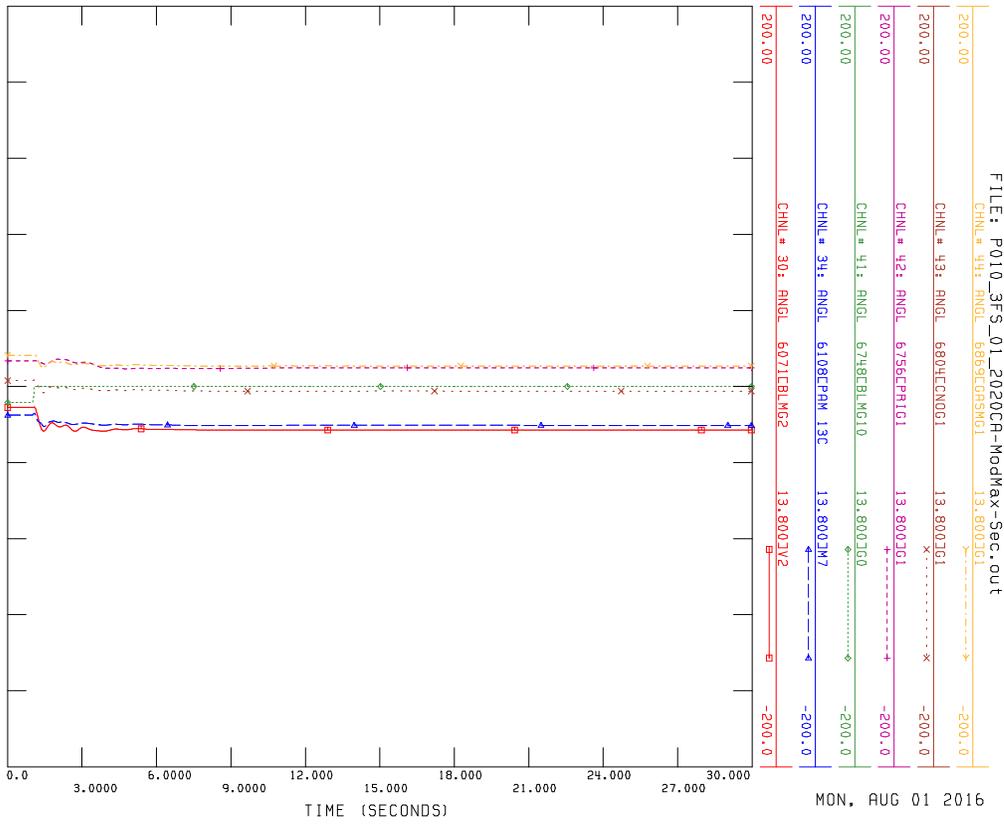


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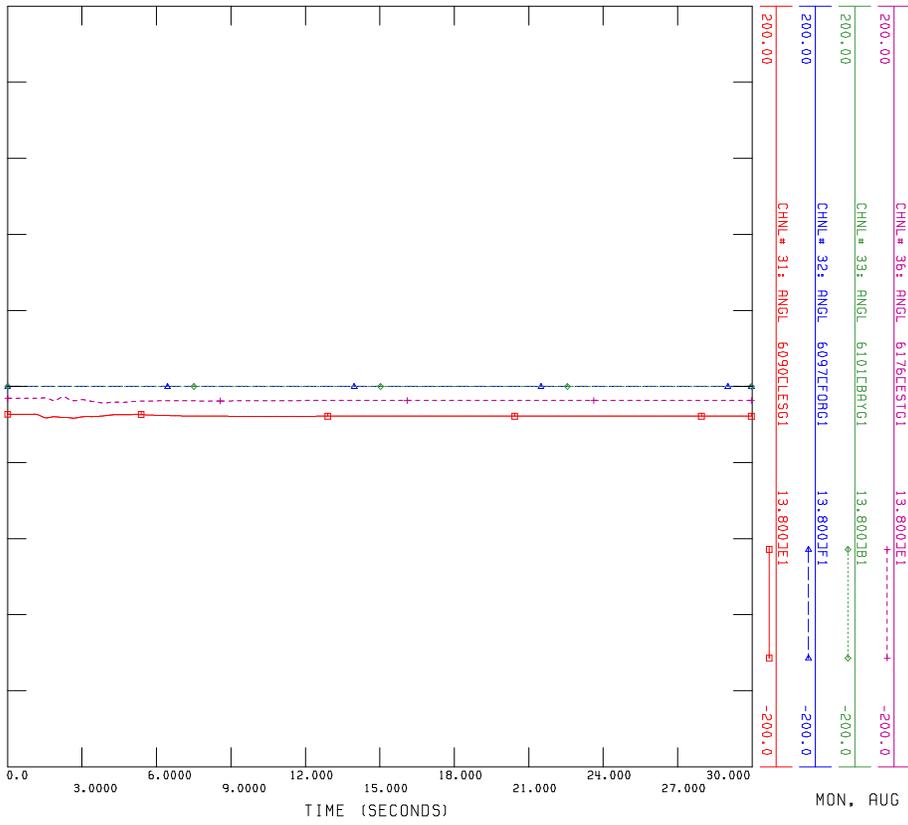
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 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P010 3FS.  
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P010\_3FS\_01\_2020CA-ModMax-Sec.out

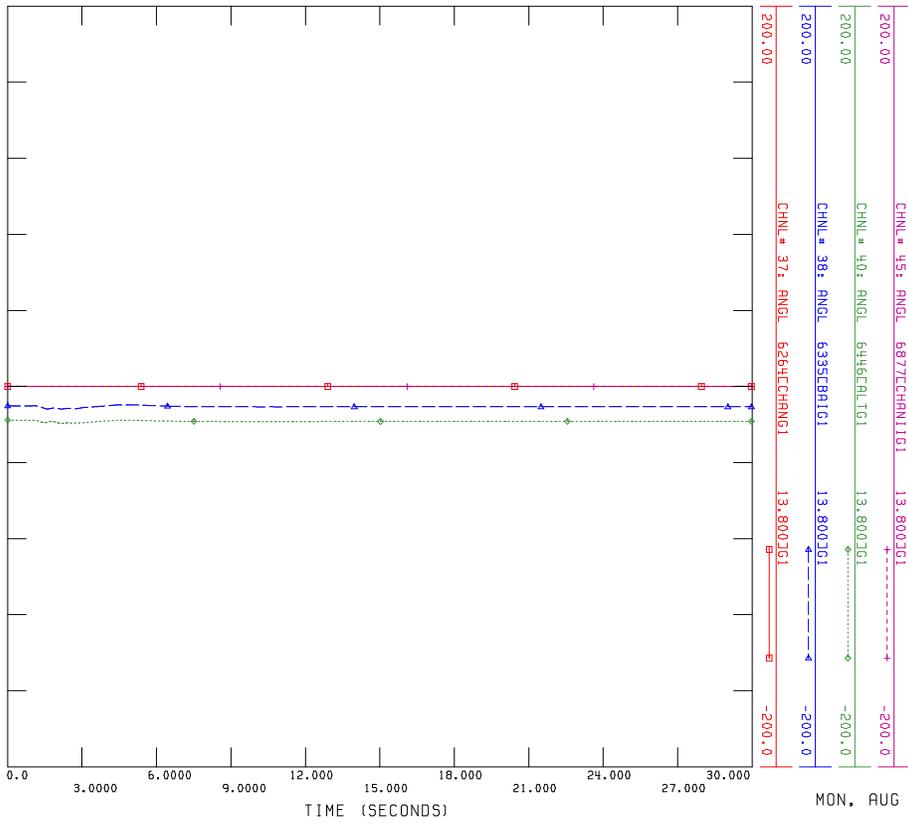


MON, AUG 01 2016 8:43



ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P010 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P010\_3FS\_01\_2020CA-ModMax-Sec.out



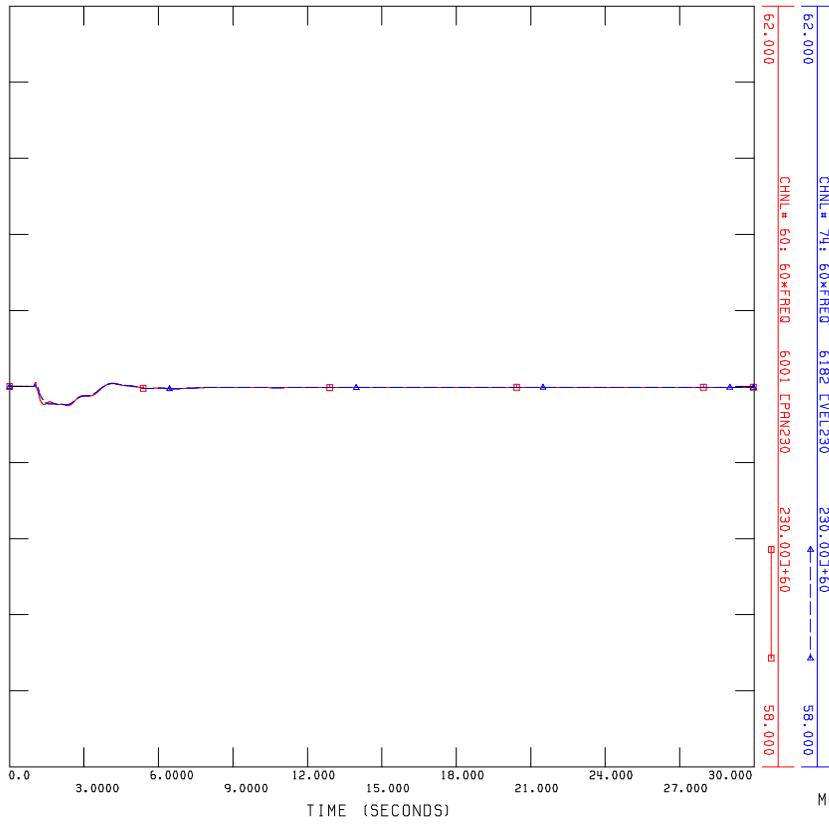
MON, AUG 01 2016 8:43



ESCENARIOS  
DE FALLA

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P010 3FS.  
FRECUENCIAS.

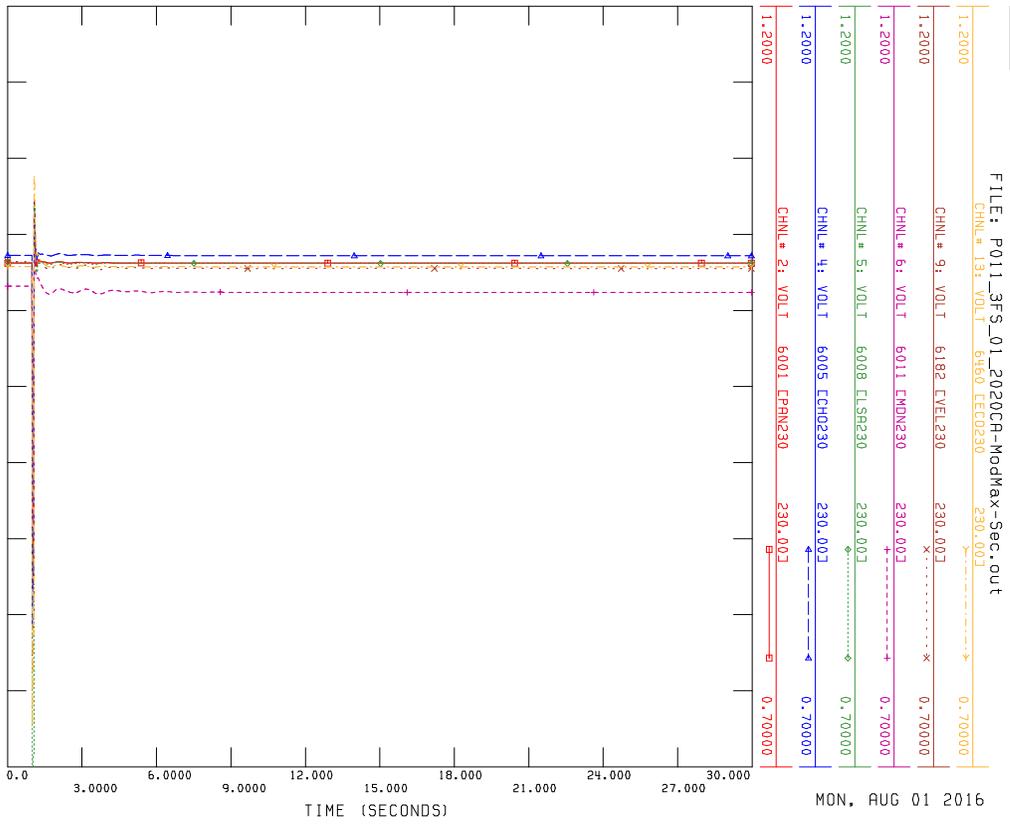
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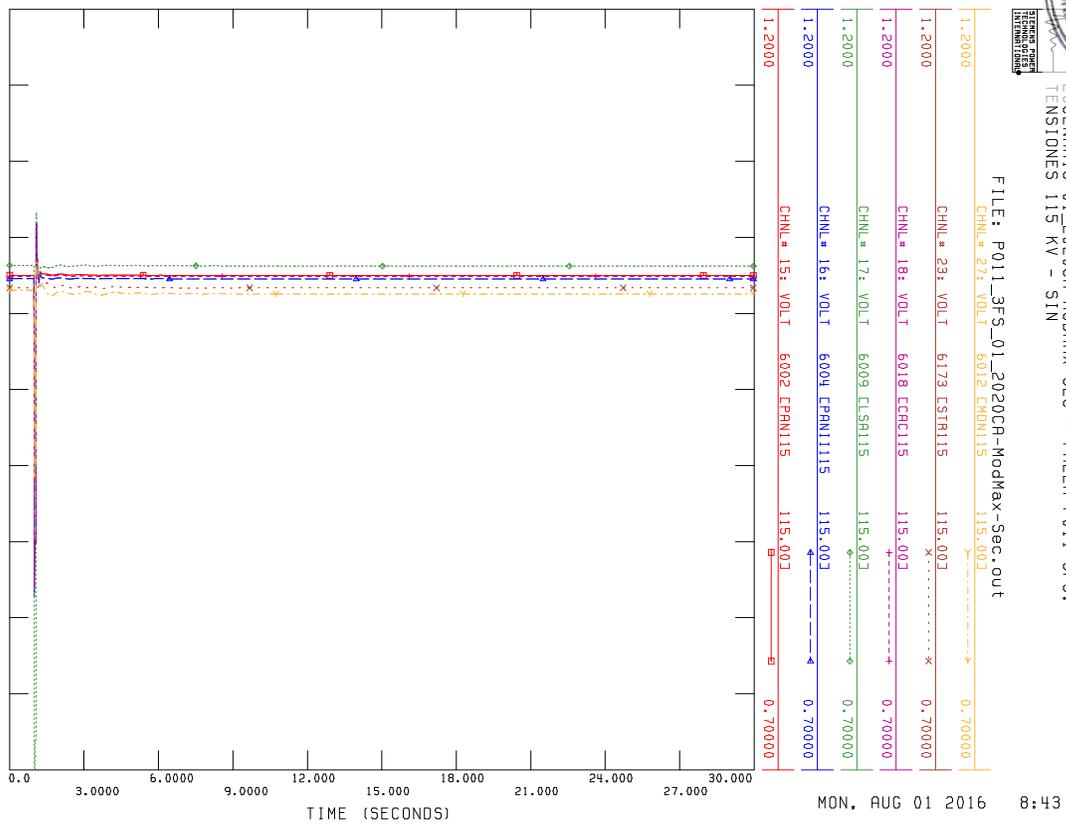


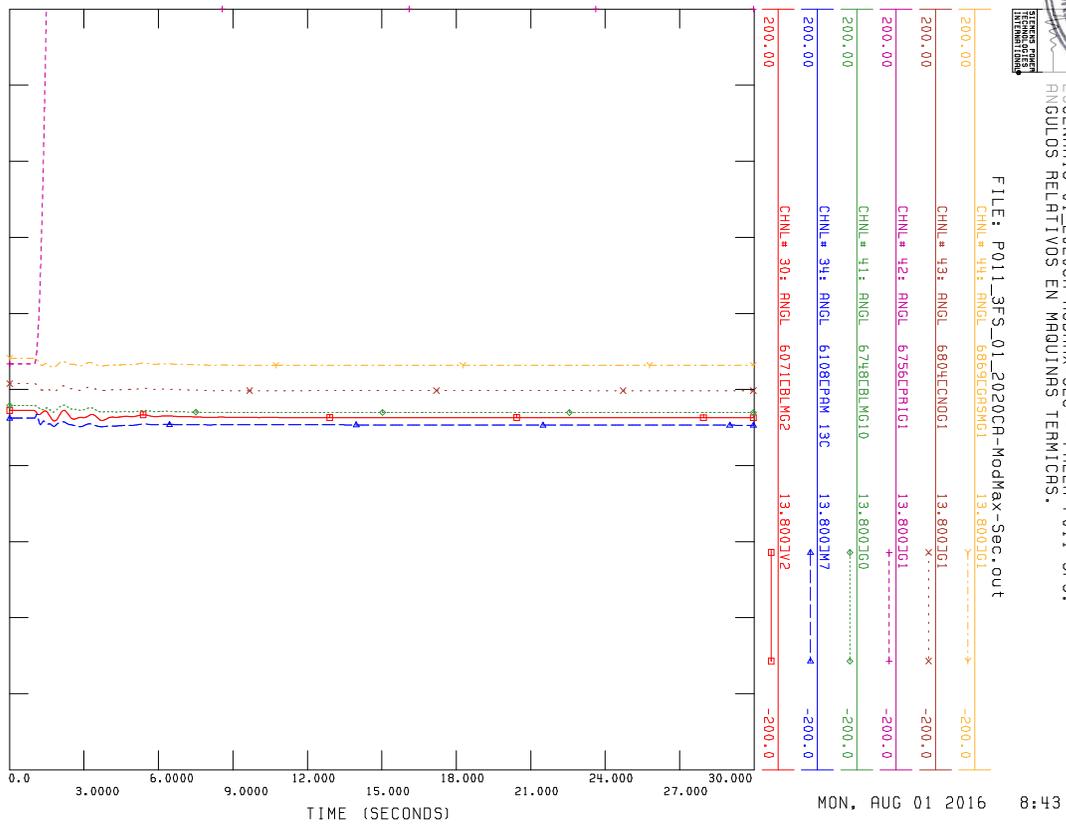
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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P011 3FS.  
TENSIONES 230 KV - SIN



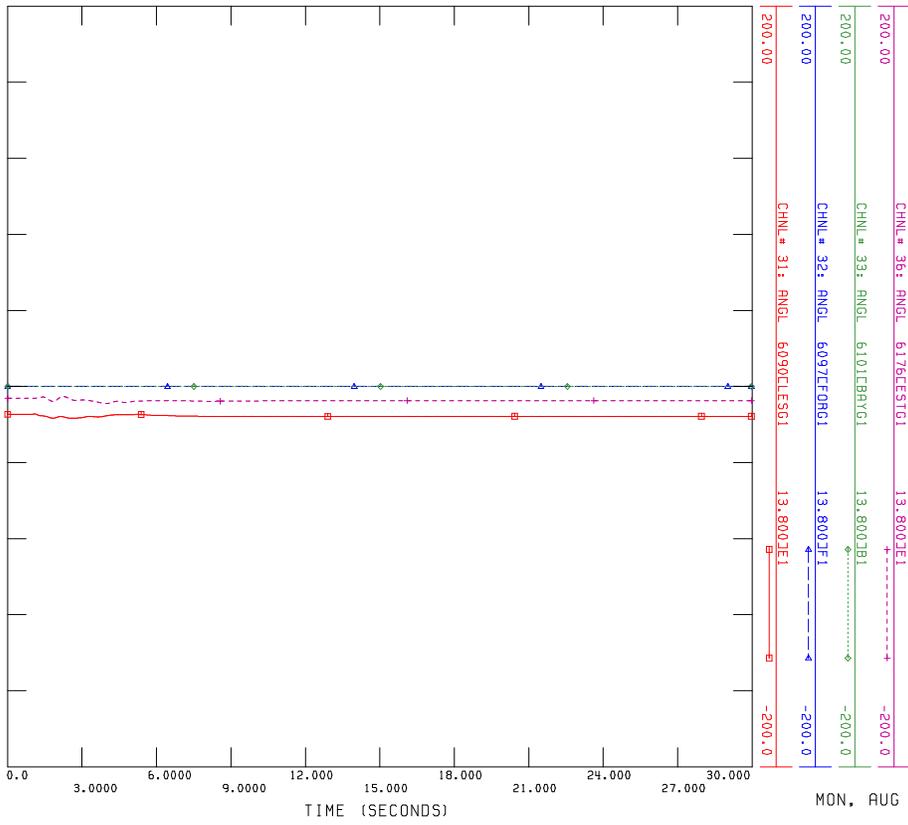






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P011 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P011\_3FS\_01\_2020CA-ModMax-Sec.out

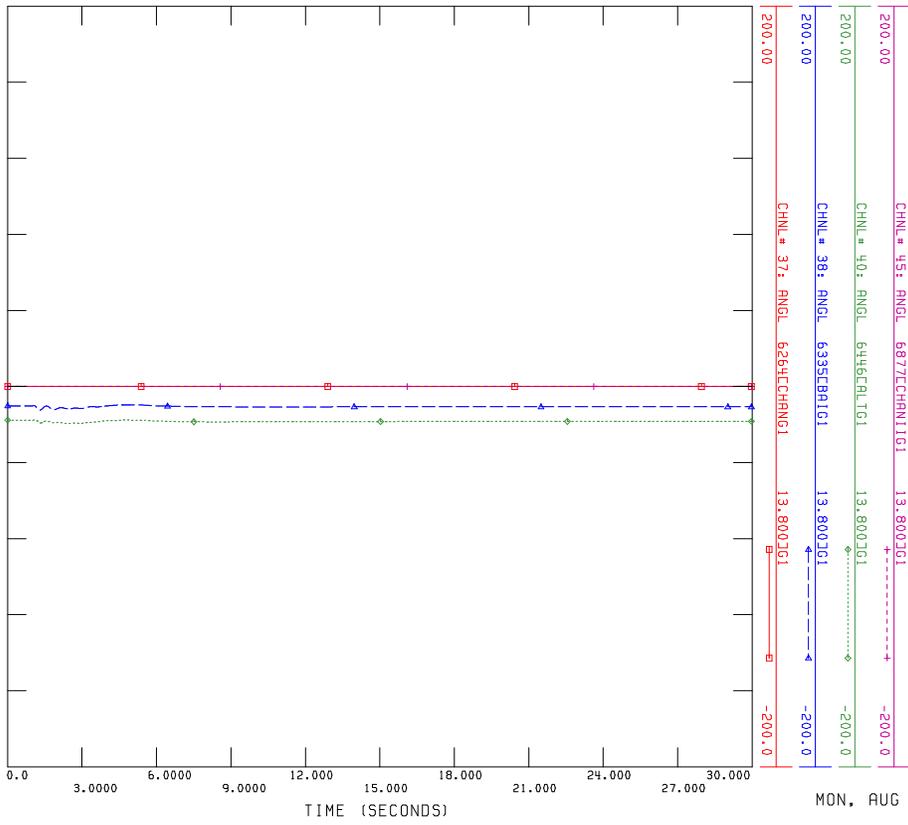


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P011 3FS.  
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FILE: P011\_3FS\_01\_2020CA-ModMax-Sec.out

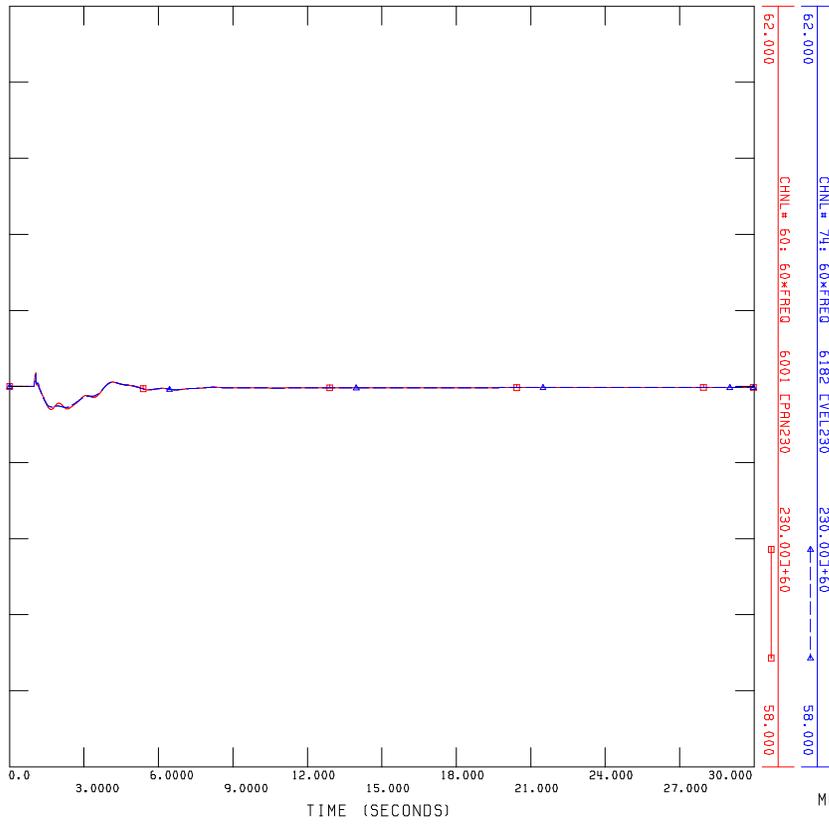


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P011 3FS.  
 FRECUENCIAS.

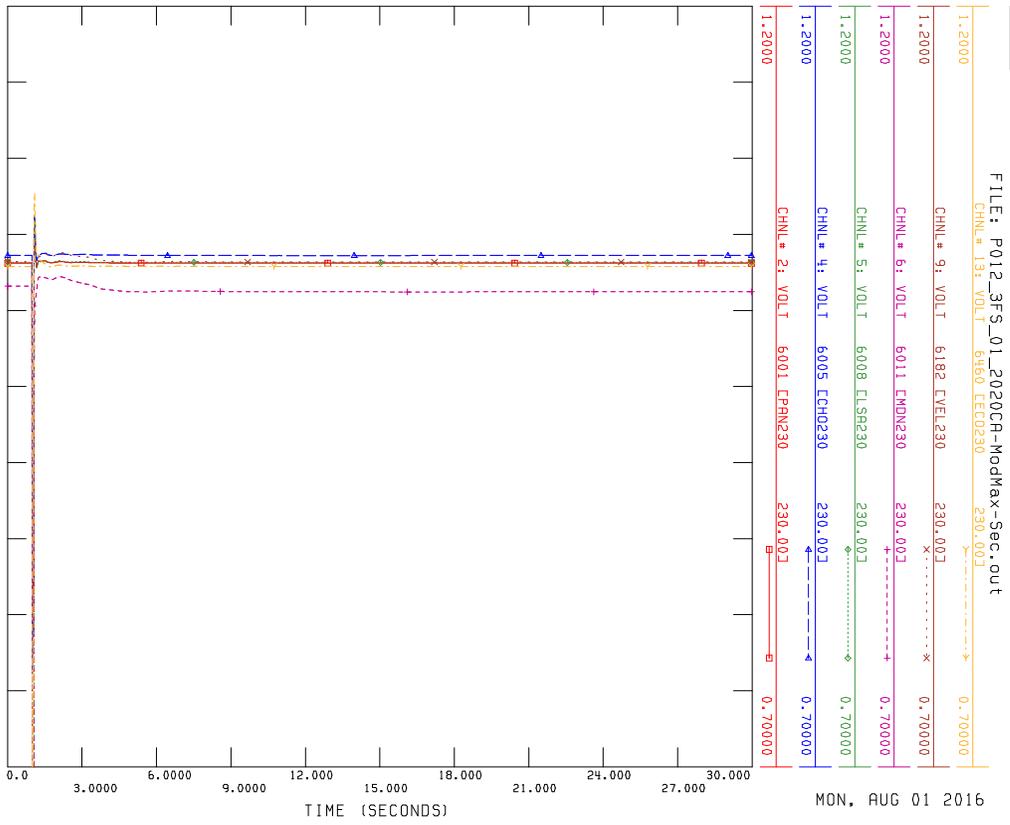
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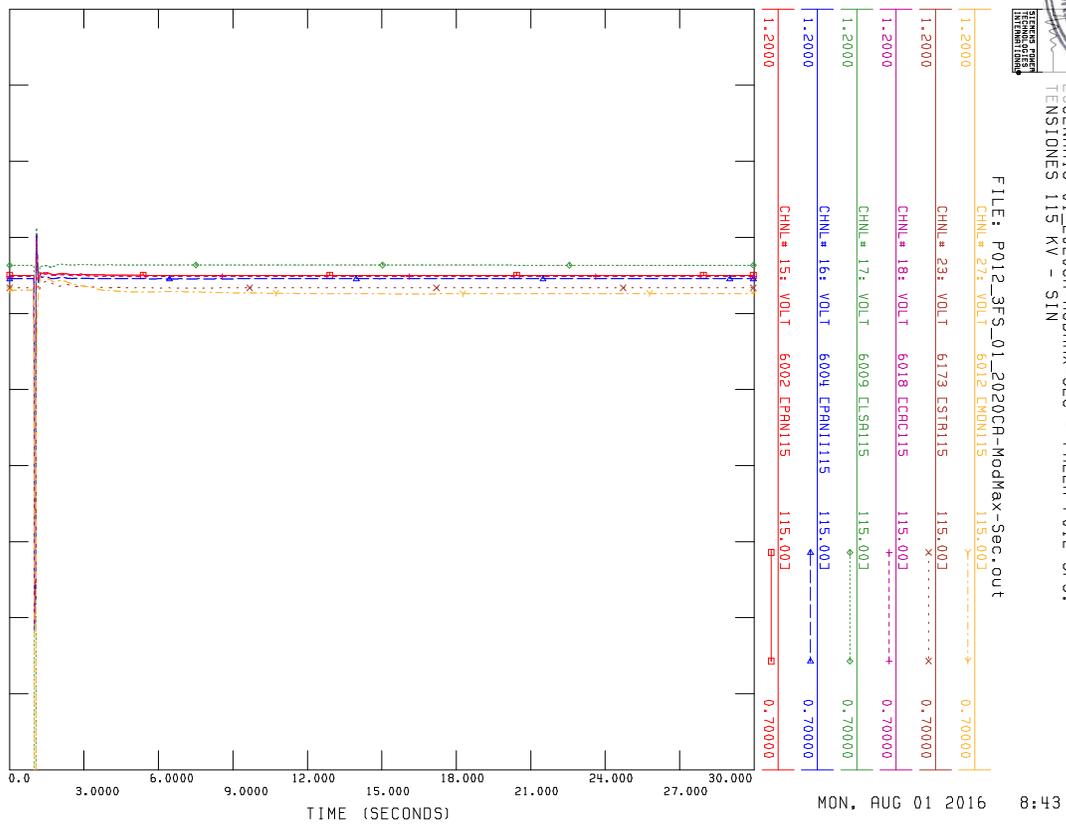


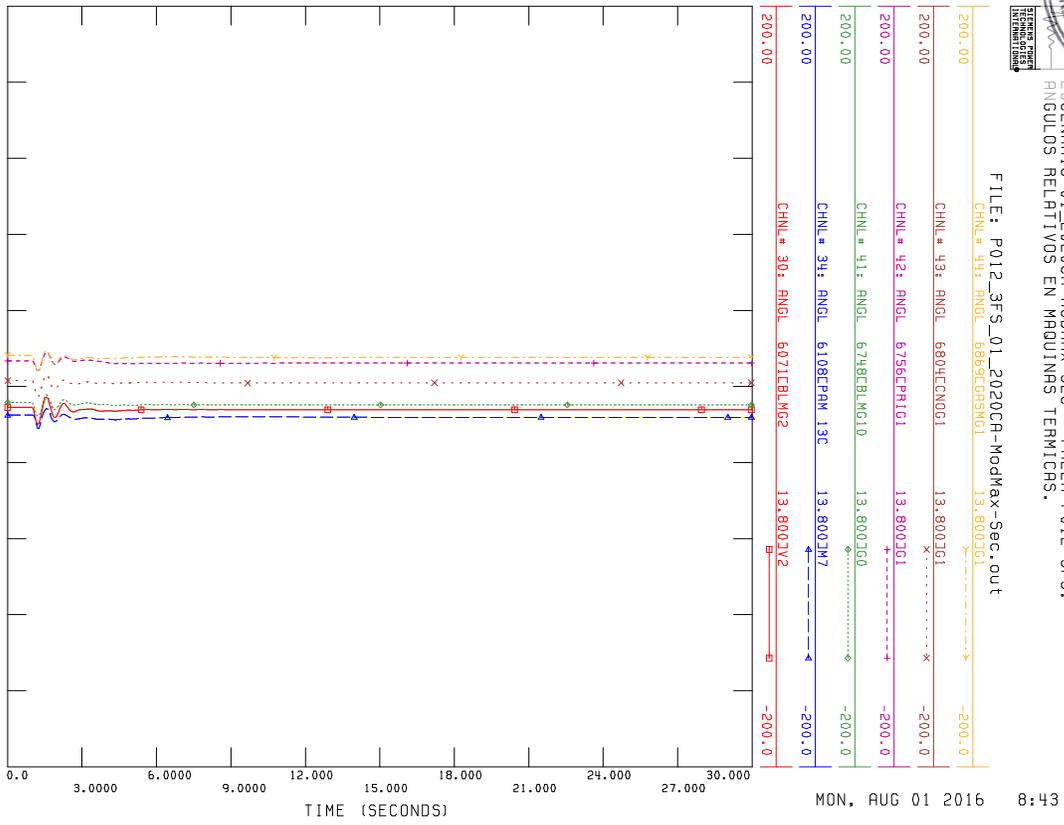
MON, AUG 01 2016 8:43



ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P012 3FS.  
TENSIONES 230 KV - SIN



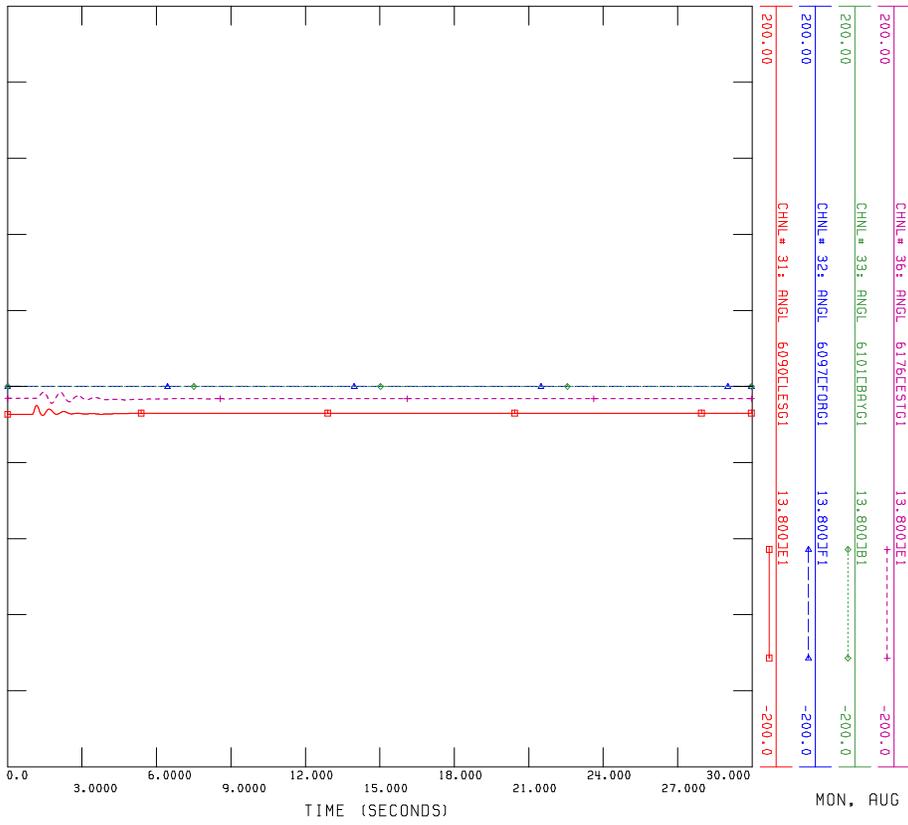






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P012 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P012\_3FS\_01\_2020CA-ModMax-Sec.out

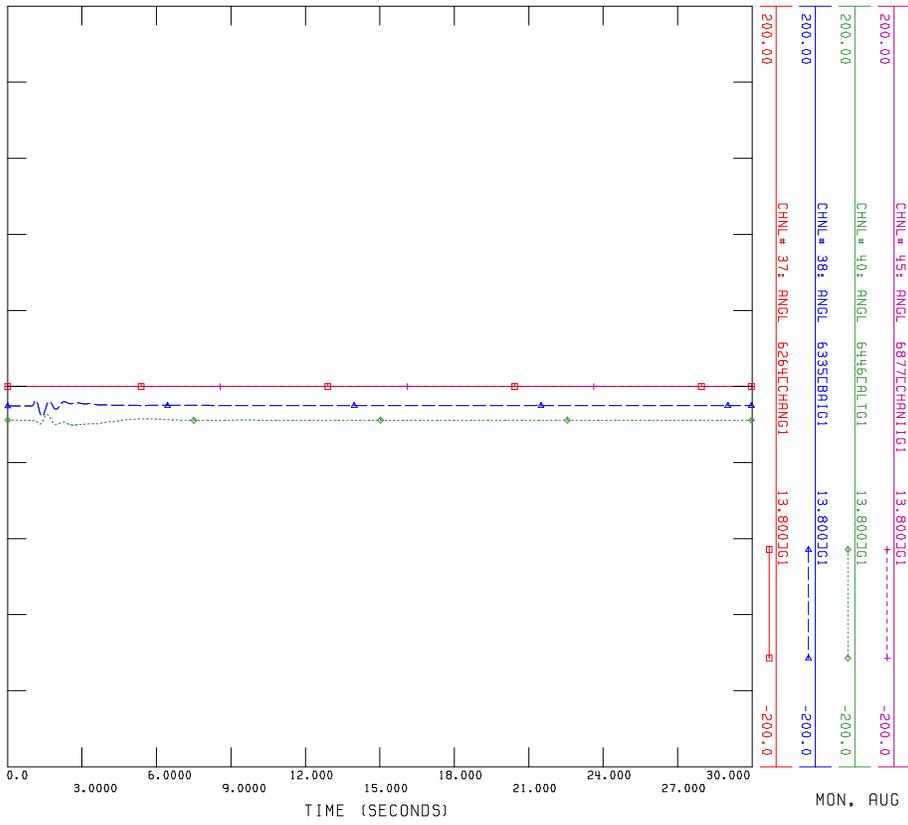


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P012 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P012\_3FS\_01\_2020CA-ModMax-Sec.out



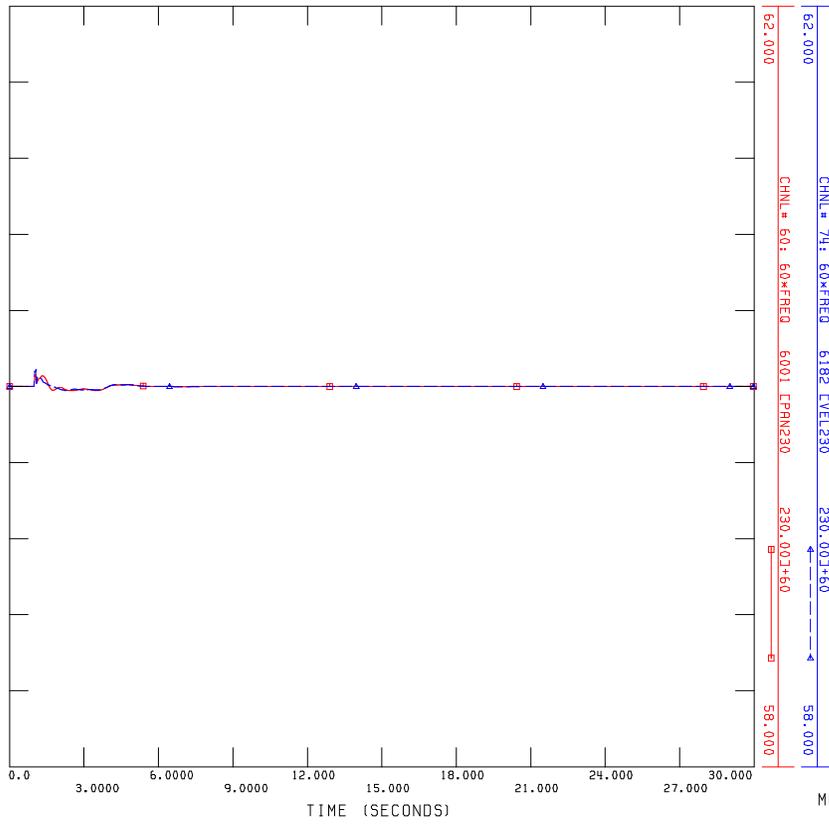
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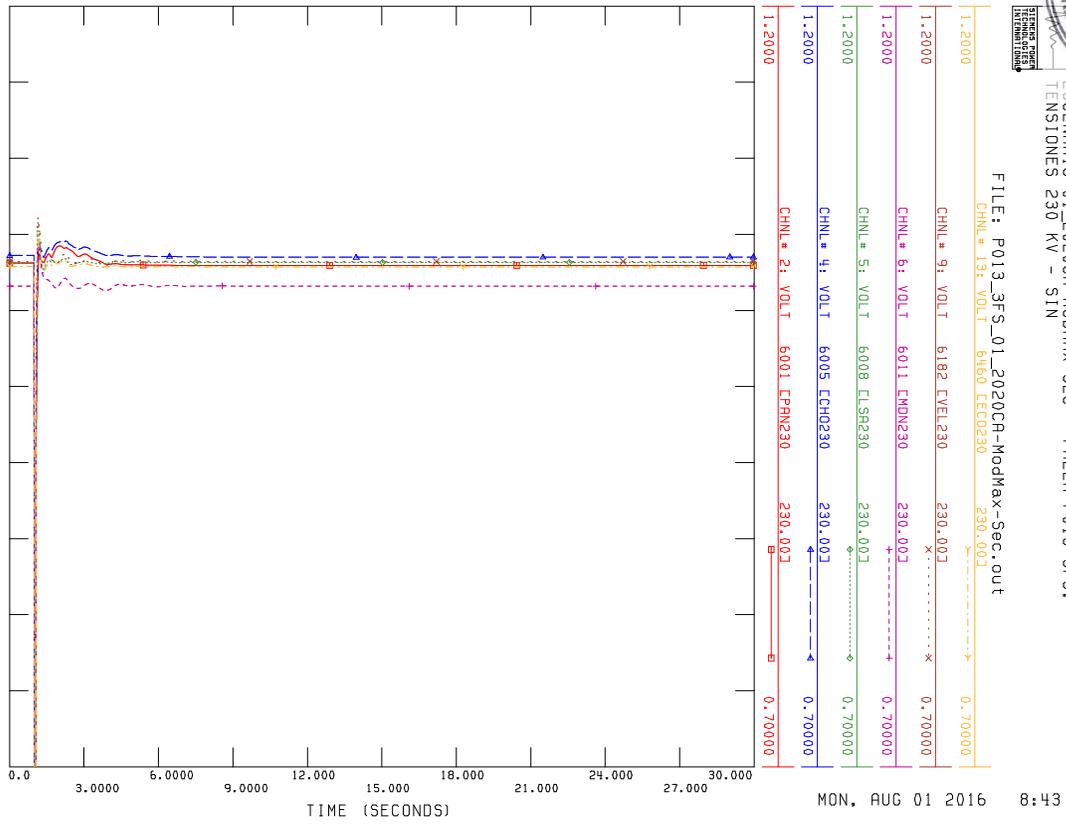


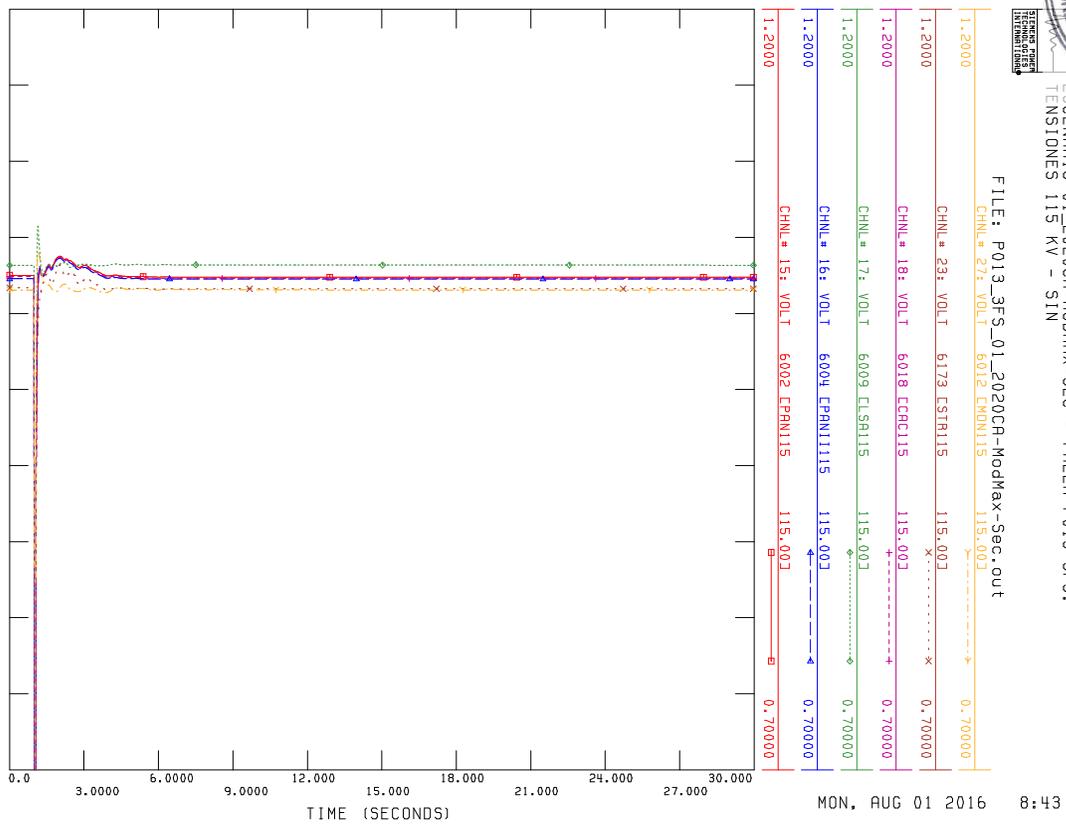
SE  
SERVICIOS  
PÚBLICOS

ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P012 3FS.  
FRECUENCIAS.

FILE: P012\_3FS\_01\_2020CA-ModMax-Sec.out

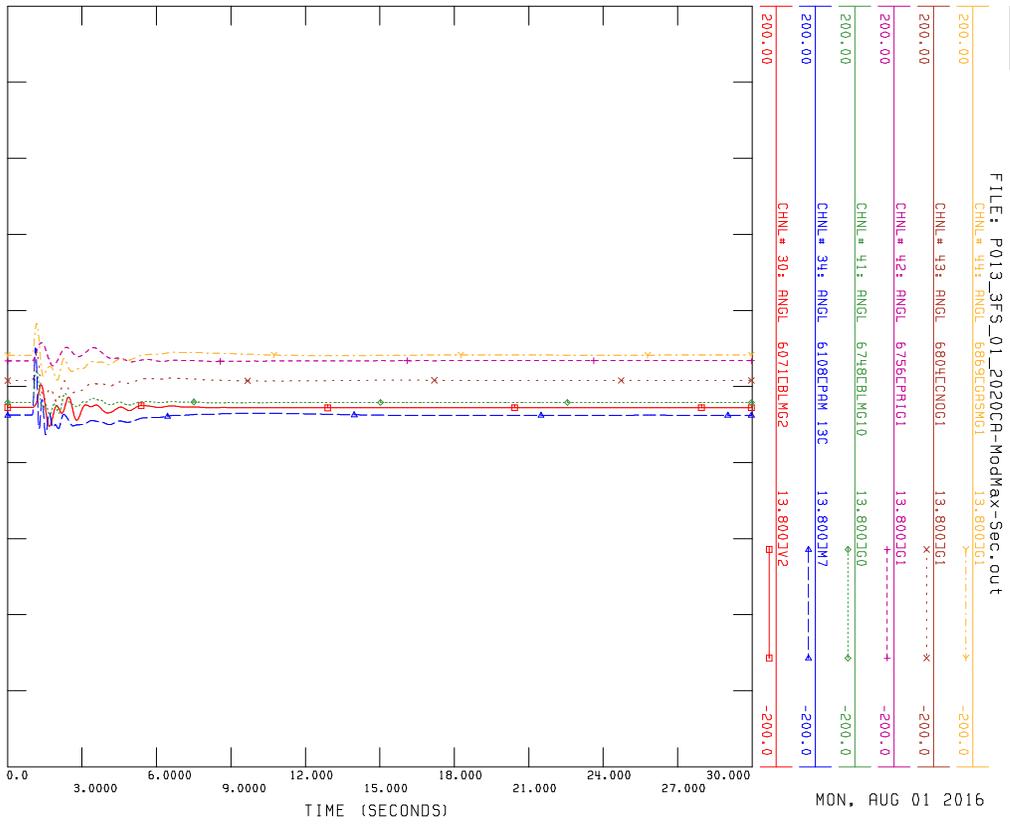








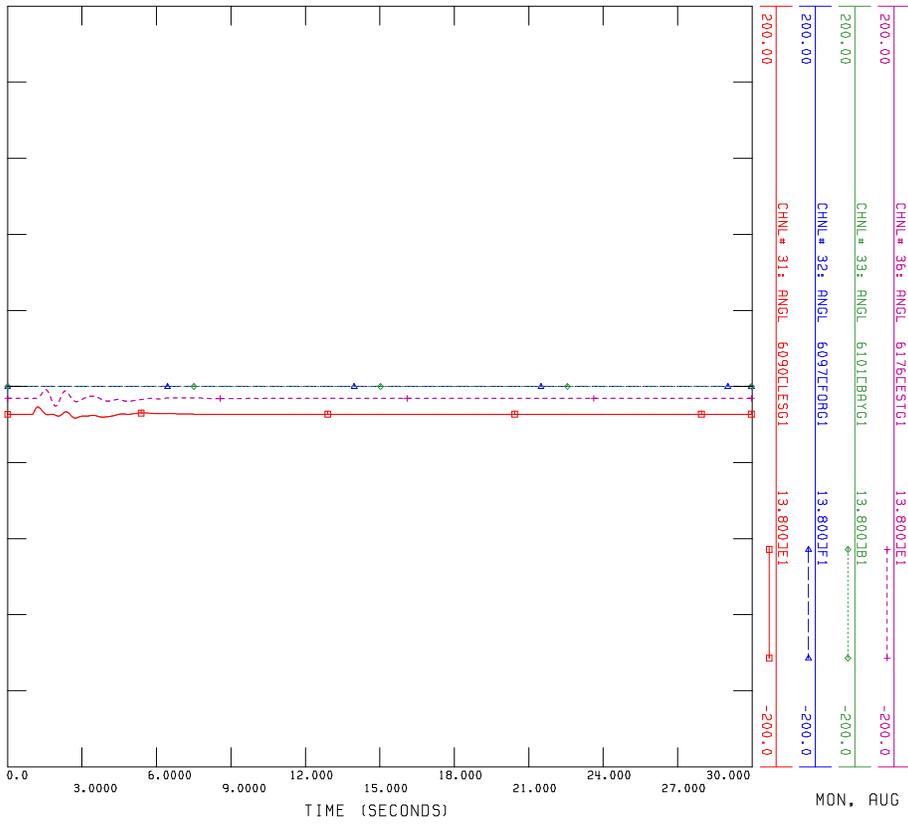
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P013\_3FS\_01\_2020CA-ModMax-Sec.out

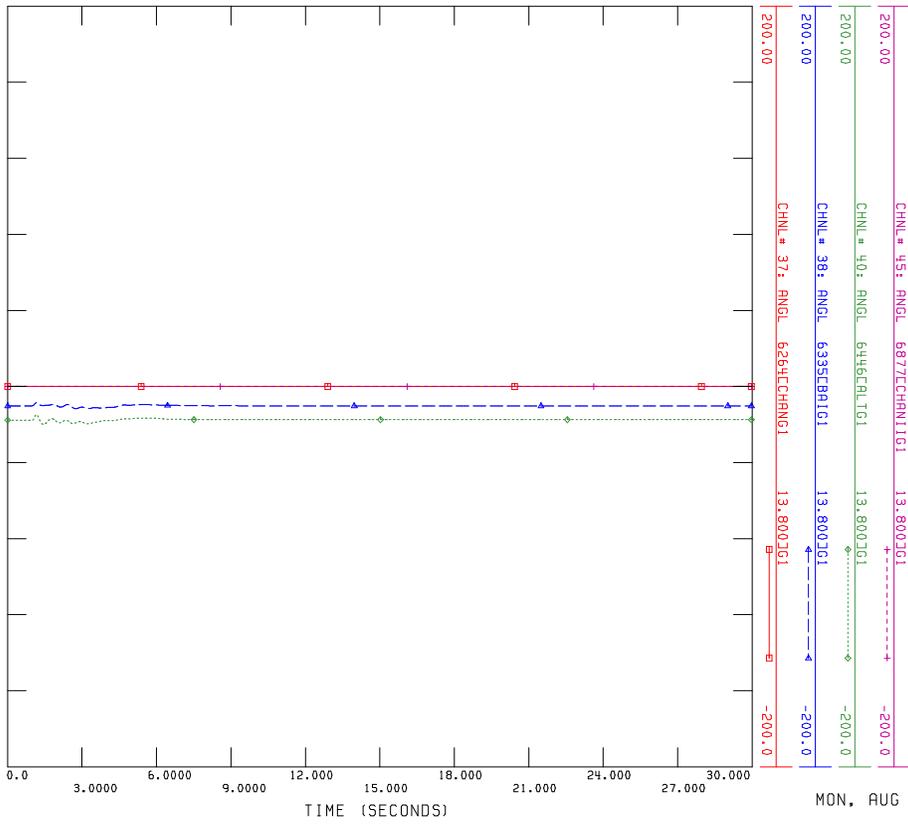


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P013 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P013\_3FS\_01\_2020CA-ModMax-Sec.out



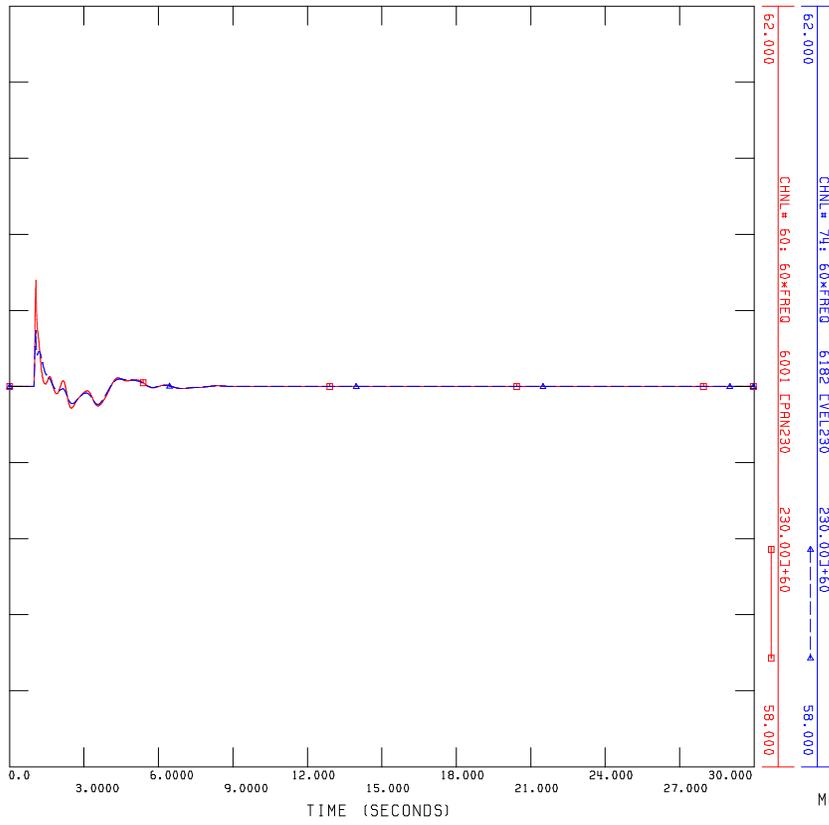
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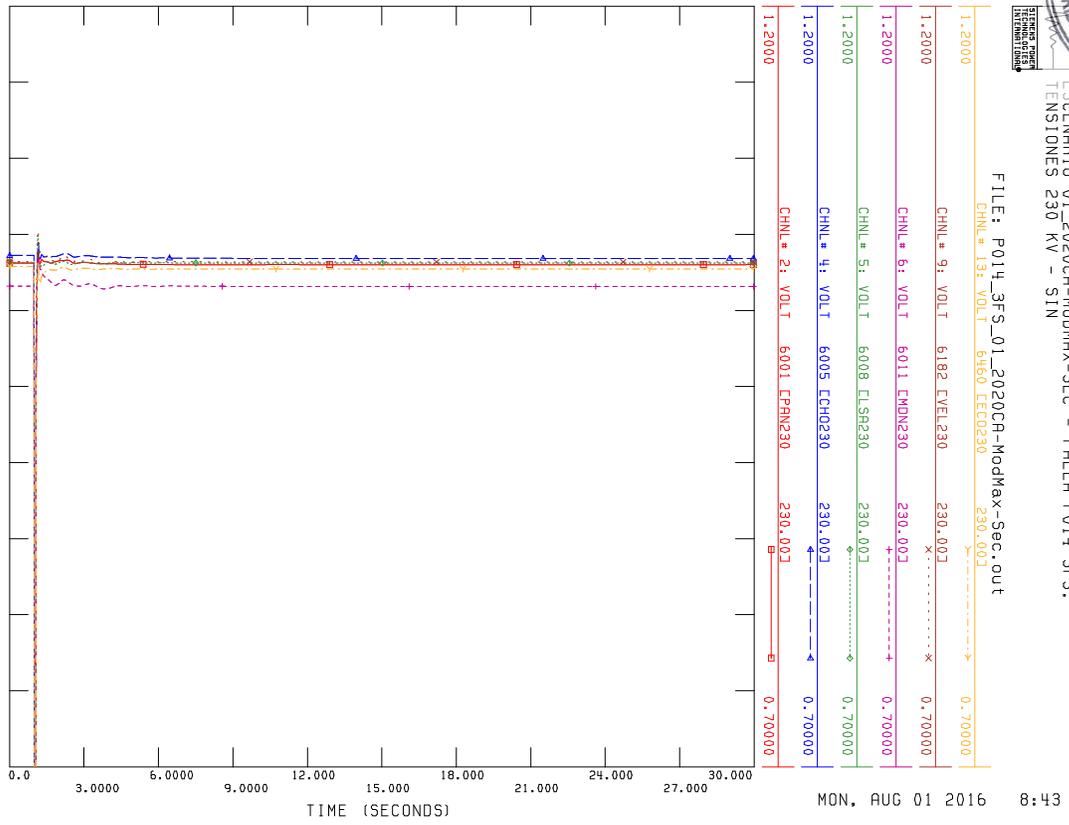
REPUBLICA DE PANAMA  
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

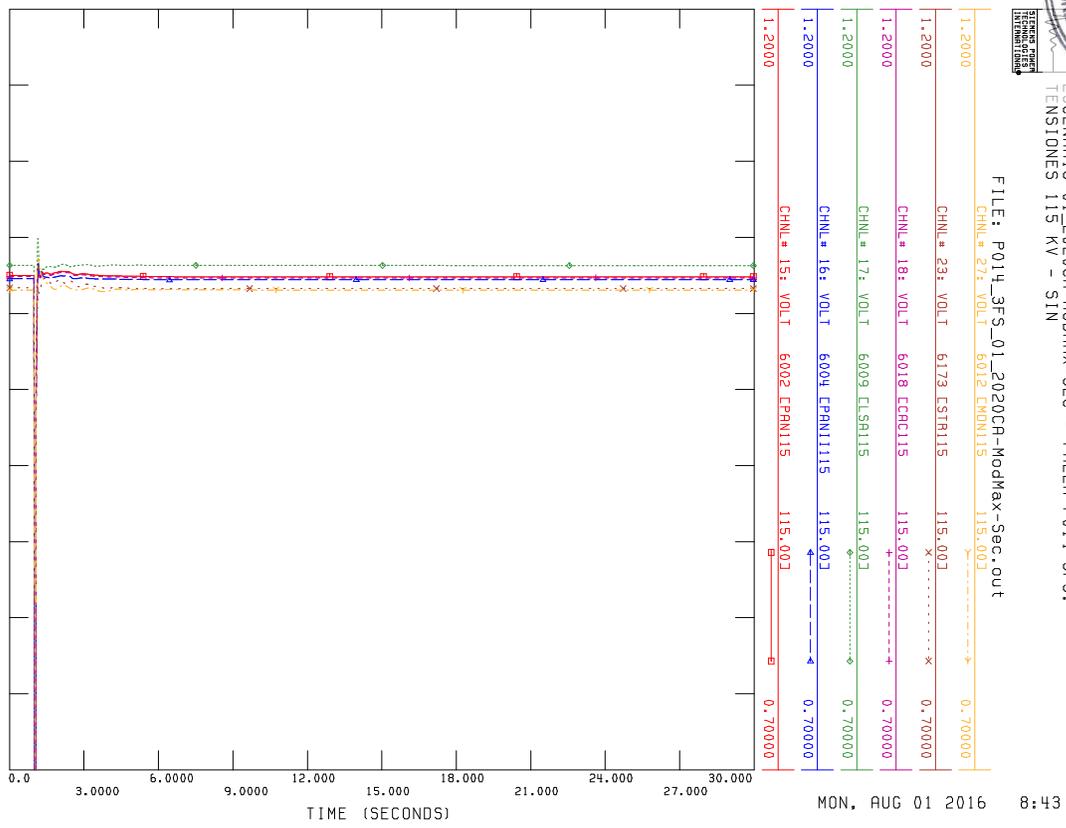
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P013 3FS.  
FRECUENCIAS.

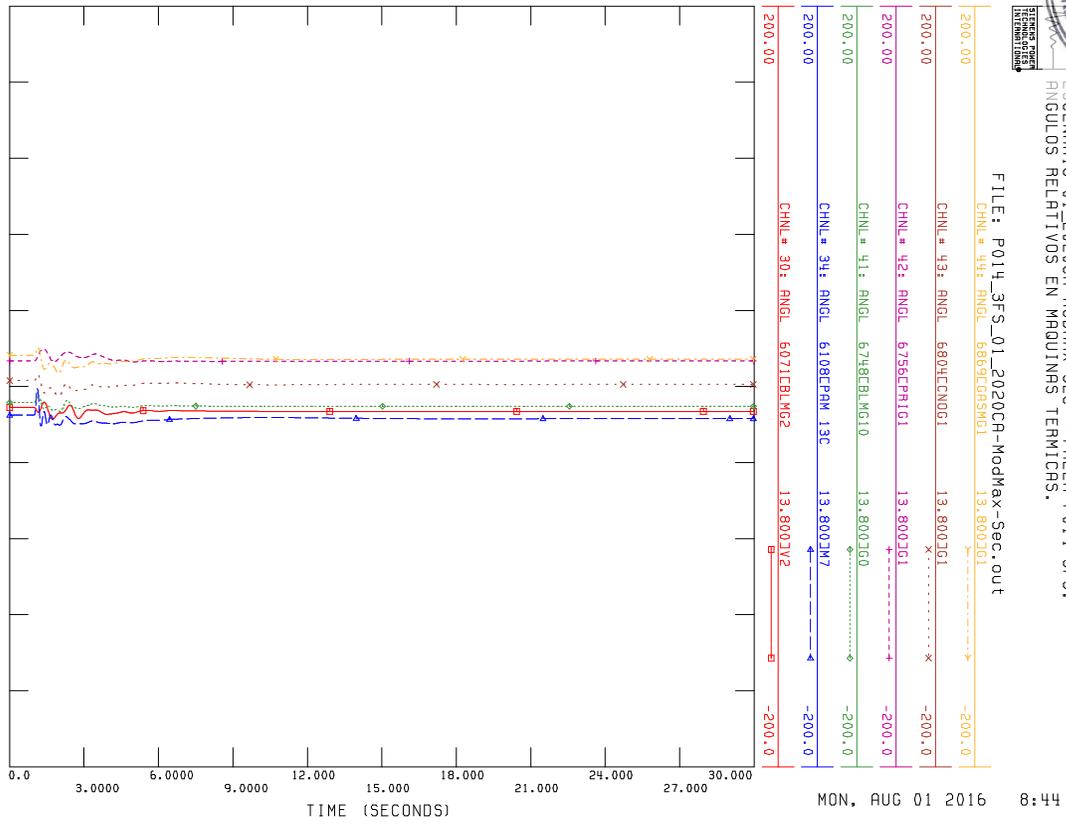
FILE: P013\_3FS\_01\_2020CA-ModMax-Sec.out



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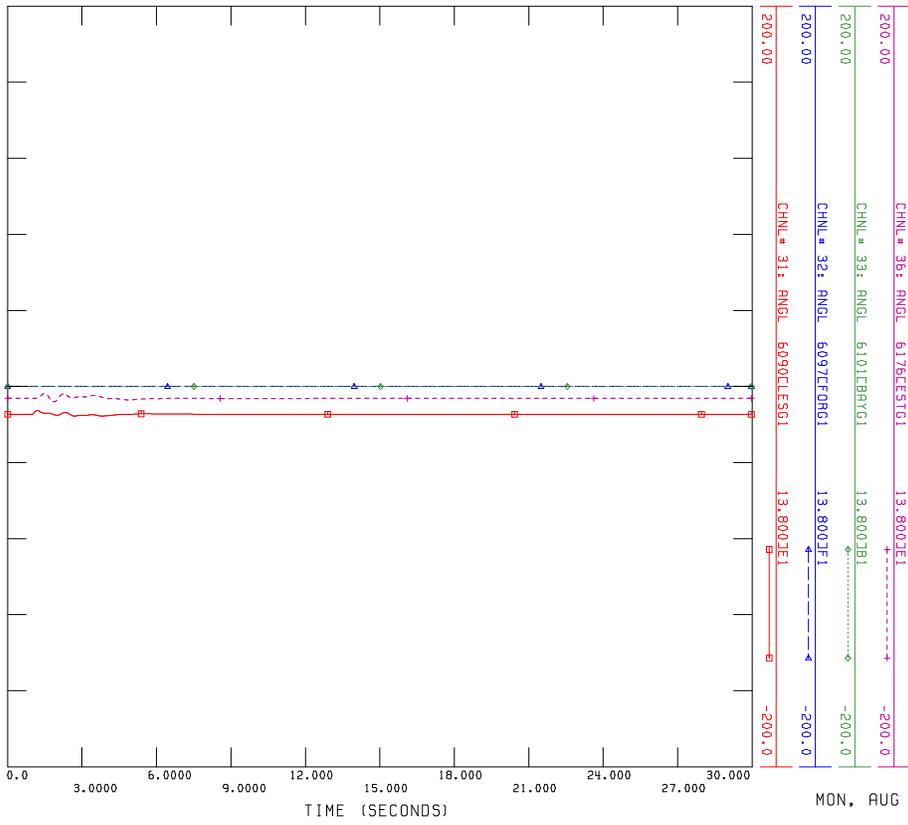






ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P014 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P014\_3FS\_01\_2020CA-ModMax-Sec.out

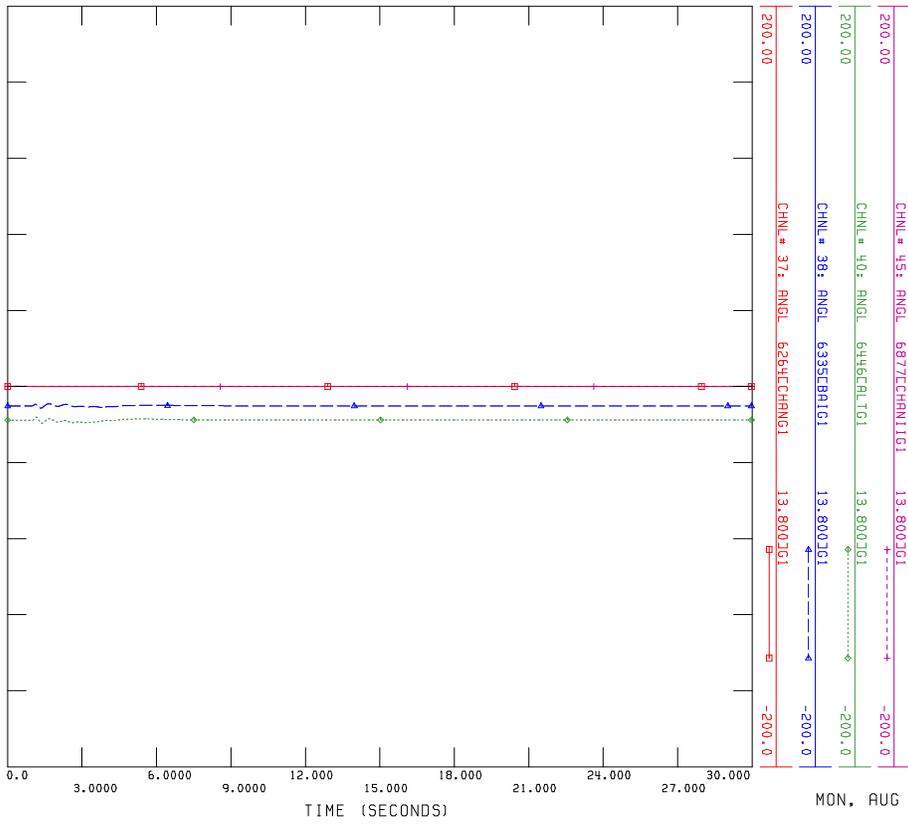


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P014 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P014\_3FS\_01\_2020CA-ModMax-Sec.out



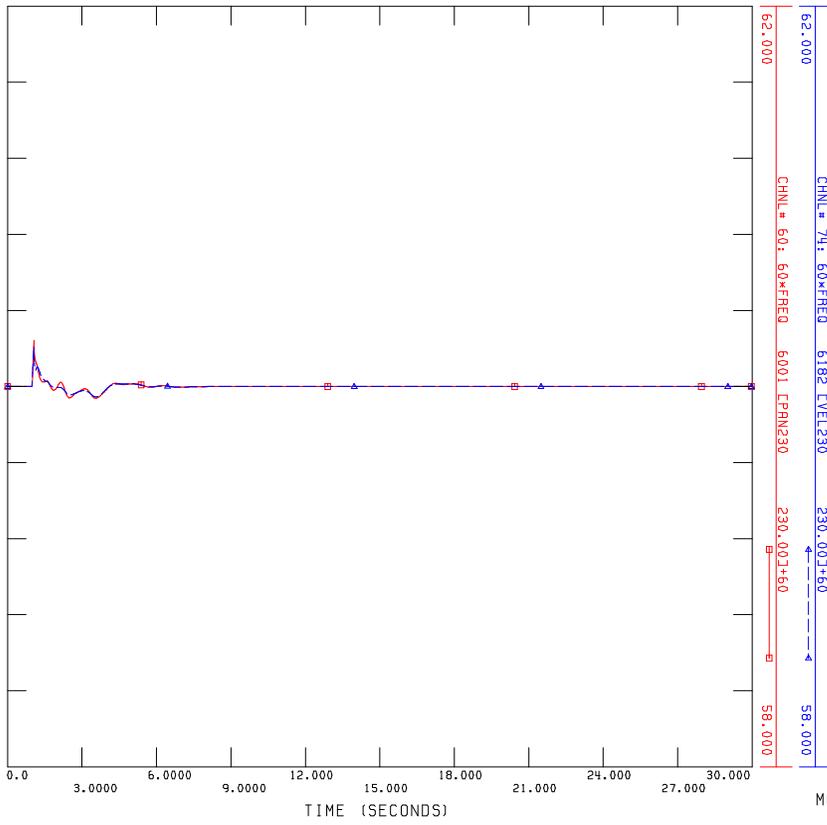
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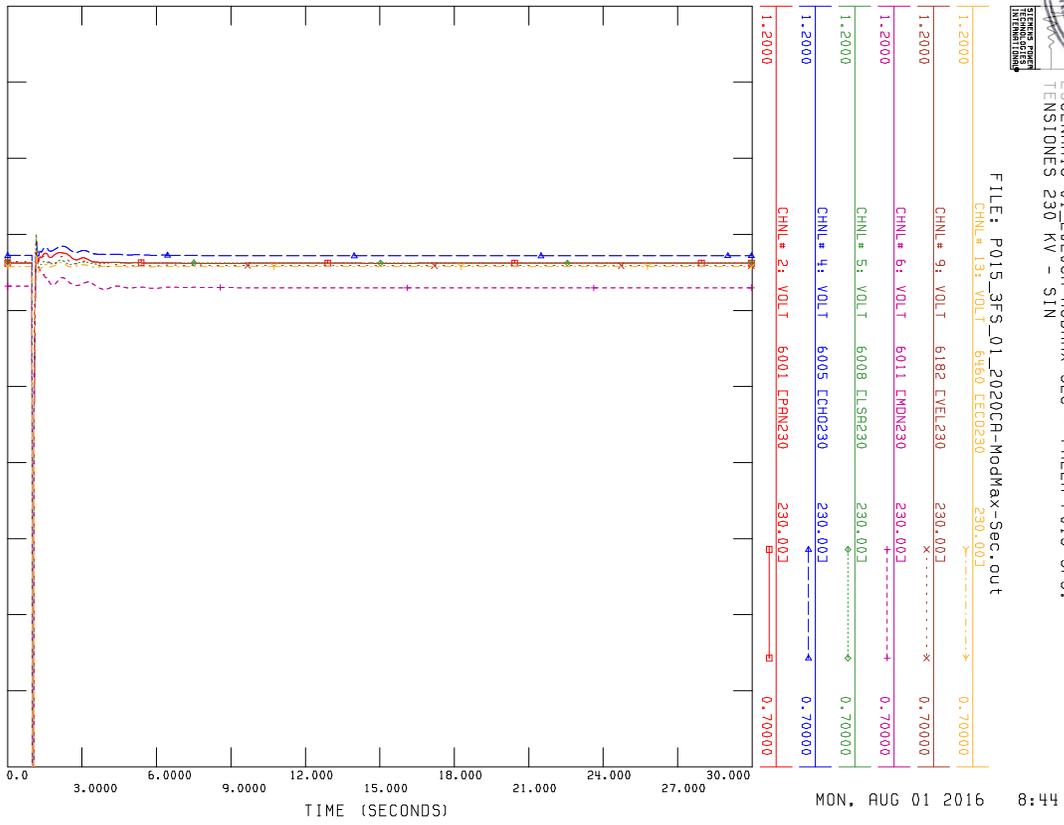
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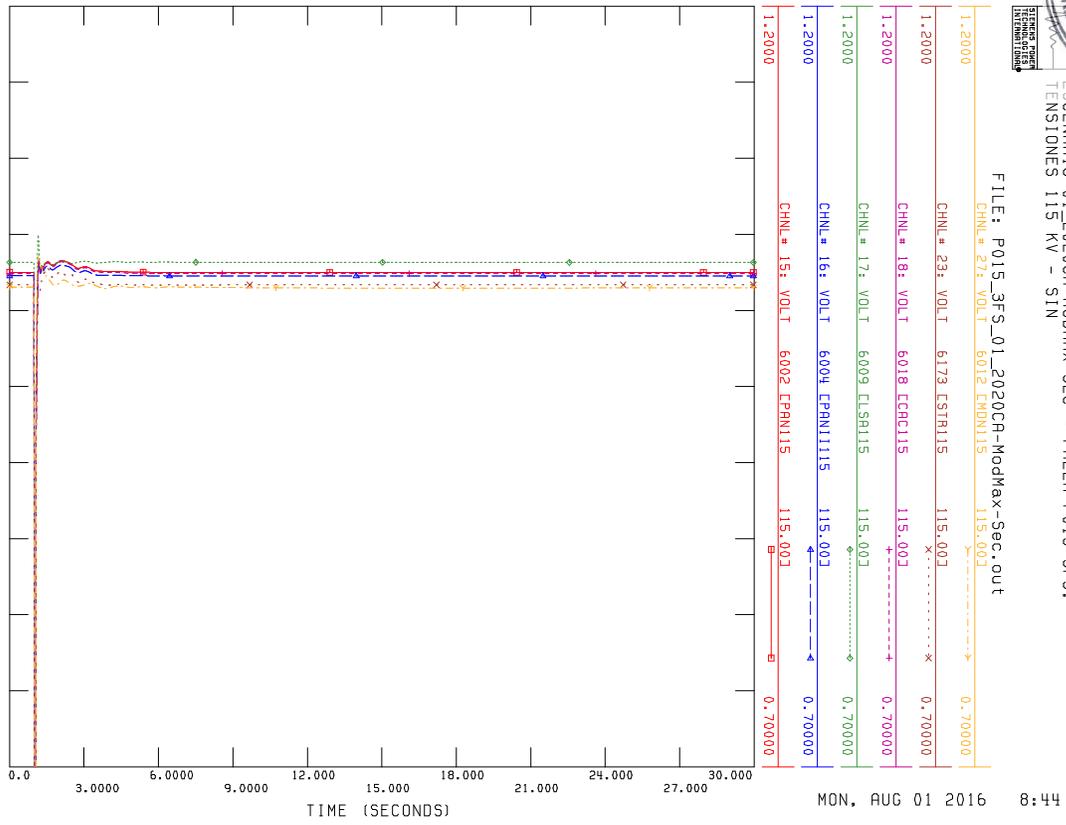
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FRECUENCIAS.

FILE: P014\_3FS\_01\_2020CA-ModMax-Sec.out



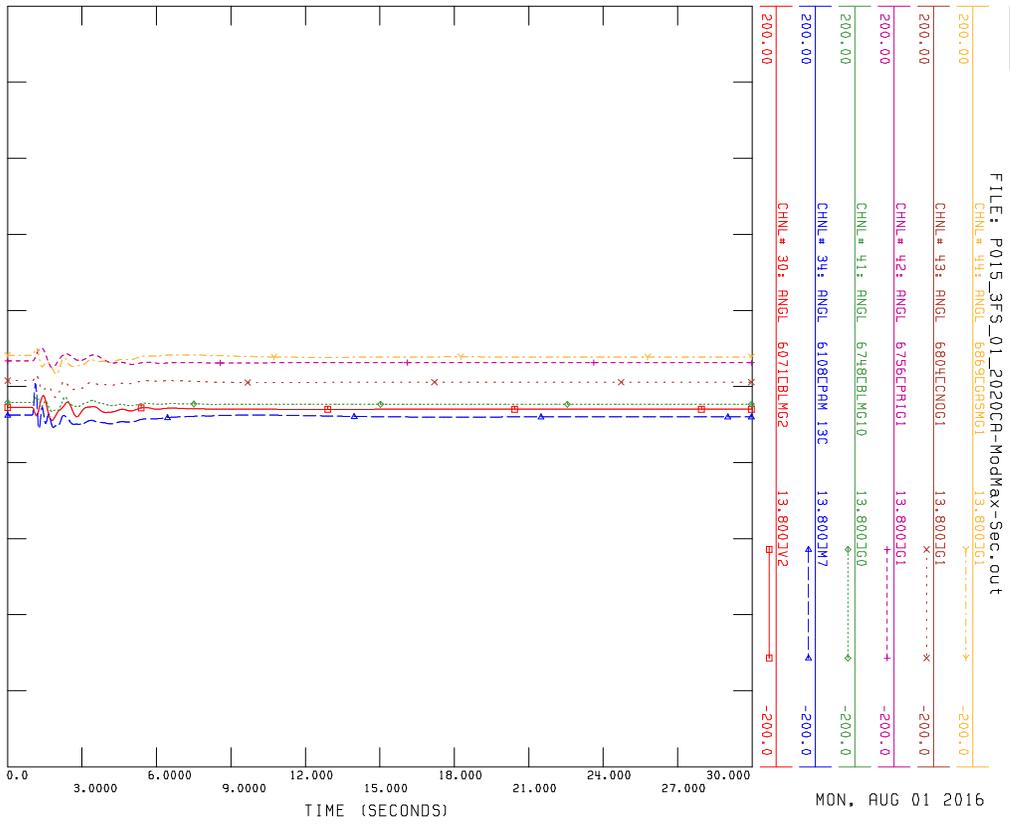
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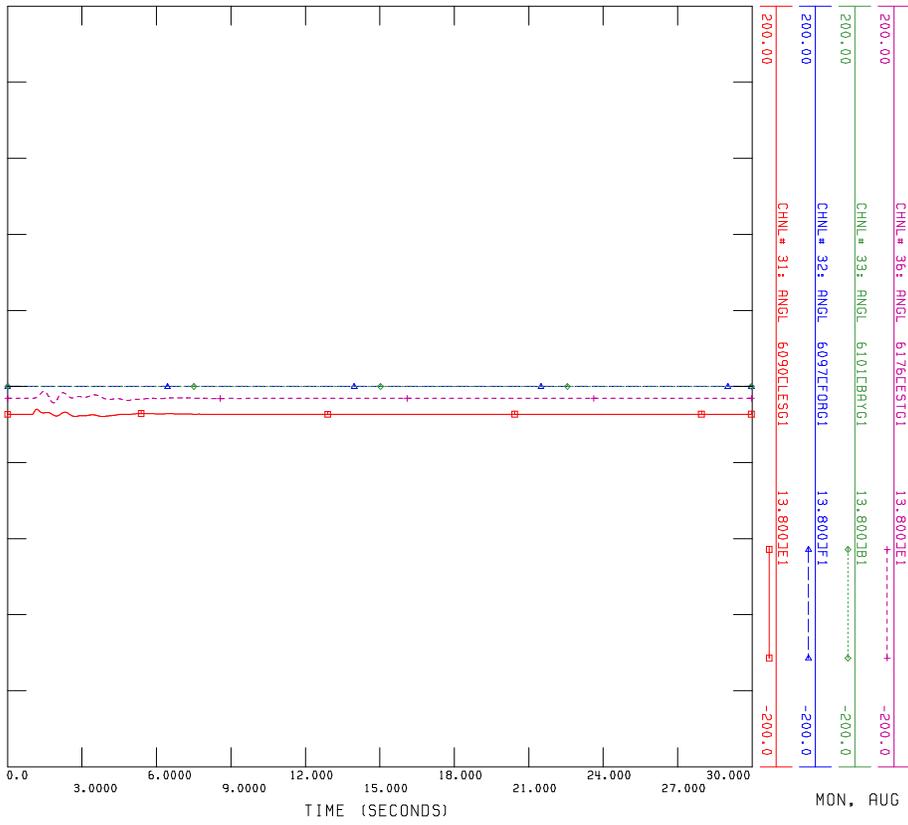
ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P015\_3FS\_01\_2020CA-ModMax-Sec.out

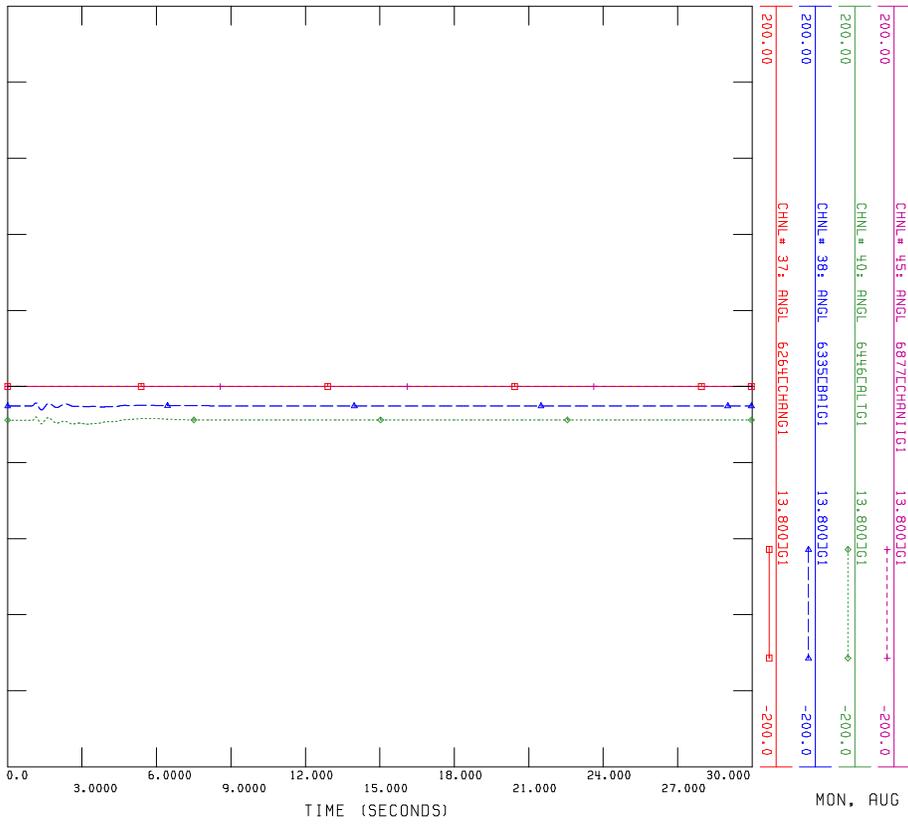


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ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P015\_3FS\_01\_2020CA-ModMax-Sec.out

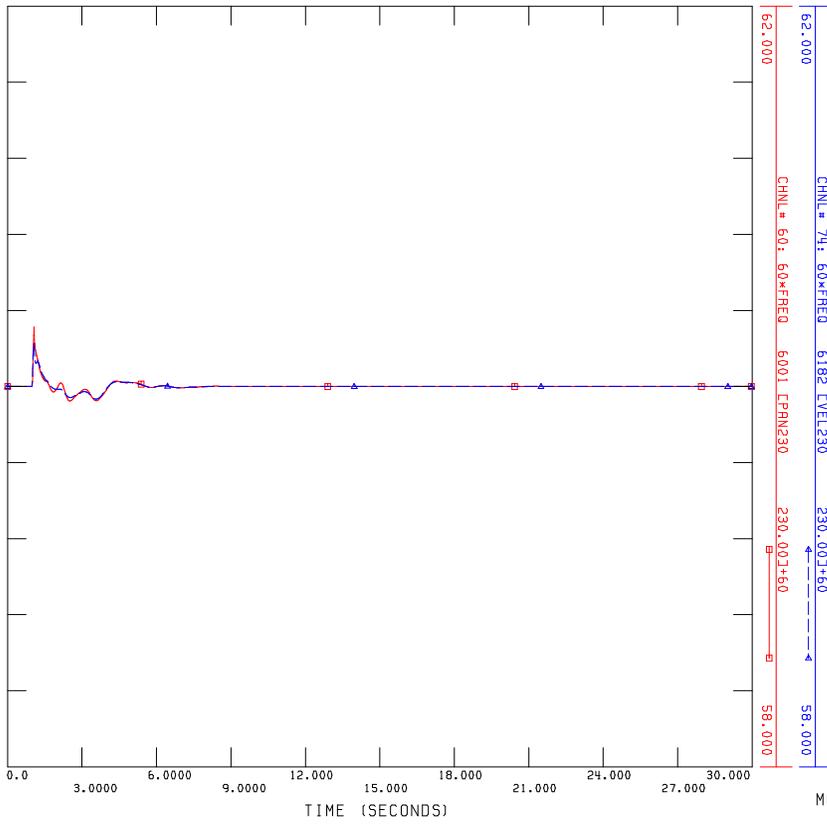


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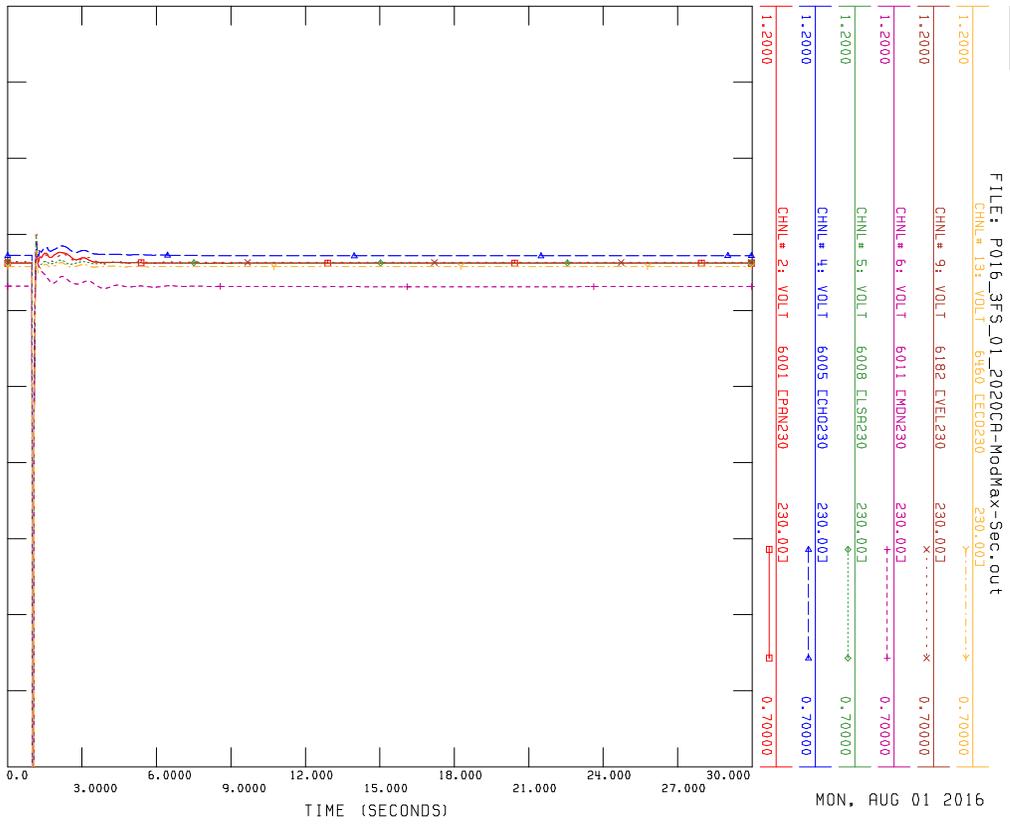
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FILE: P015\_3FS\_01\_2020CA-ModMax-Sec.out





ESCENARIO 01\_2020CA-MODMX-SEC - FALLA P016 3FS.  
TENSIONES 230 KV - SIN

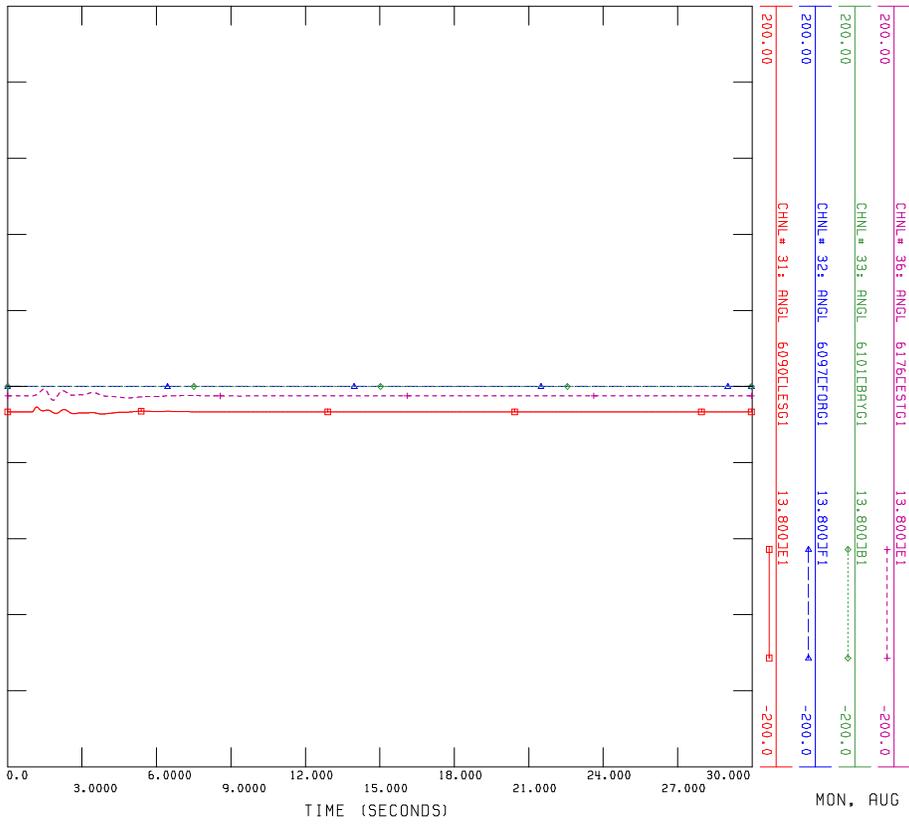




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ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P015\_3FS\_01\_2020CA-ModMed-Sec.out

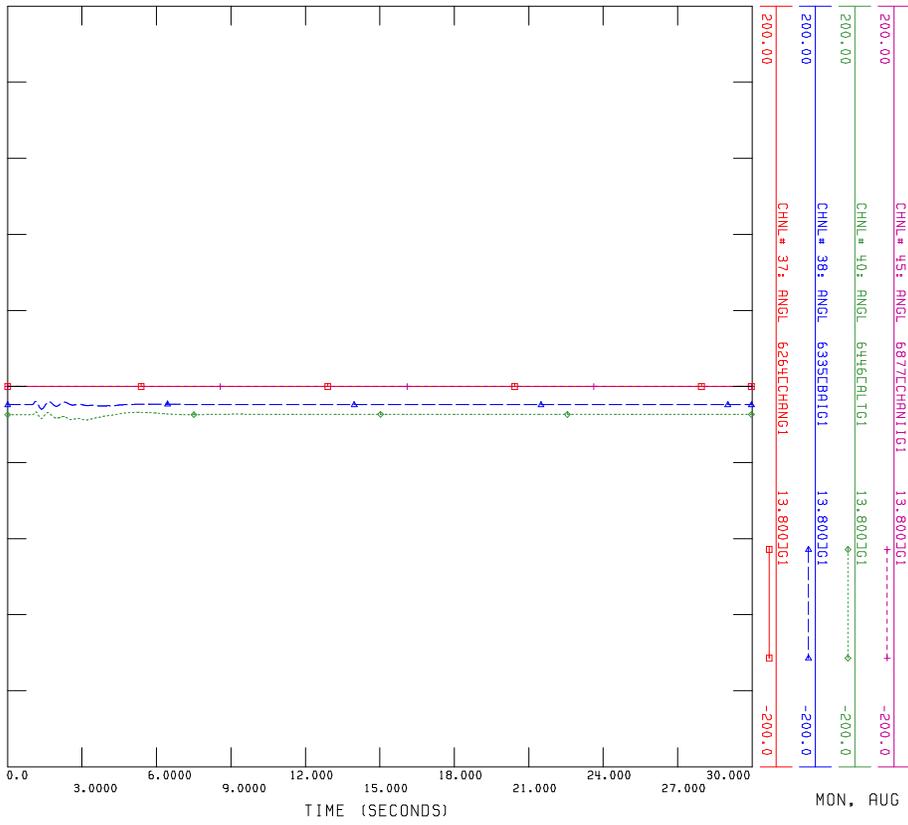


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ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P015 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P015\_3FS\_01\_2020CA-ModMed-Sec.out

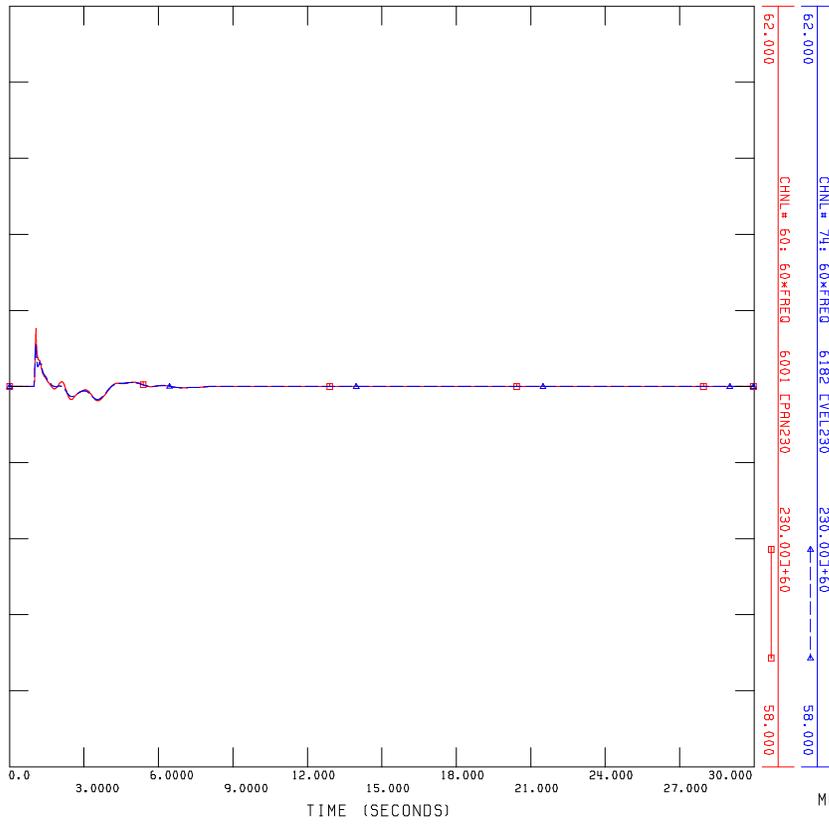


MON, AUG 01 2016 8:48



ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P015 3FS.  
 FRECUENCIAS.

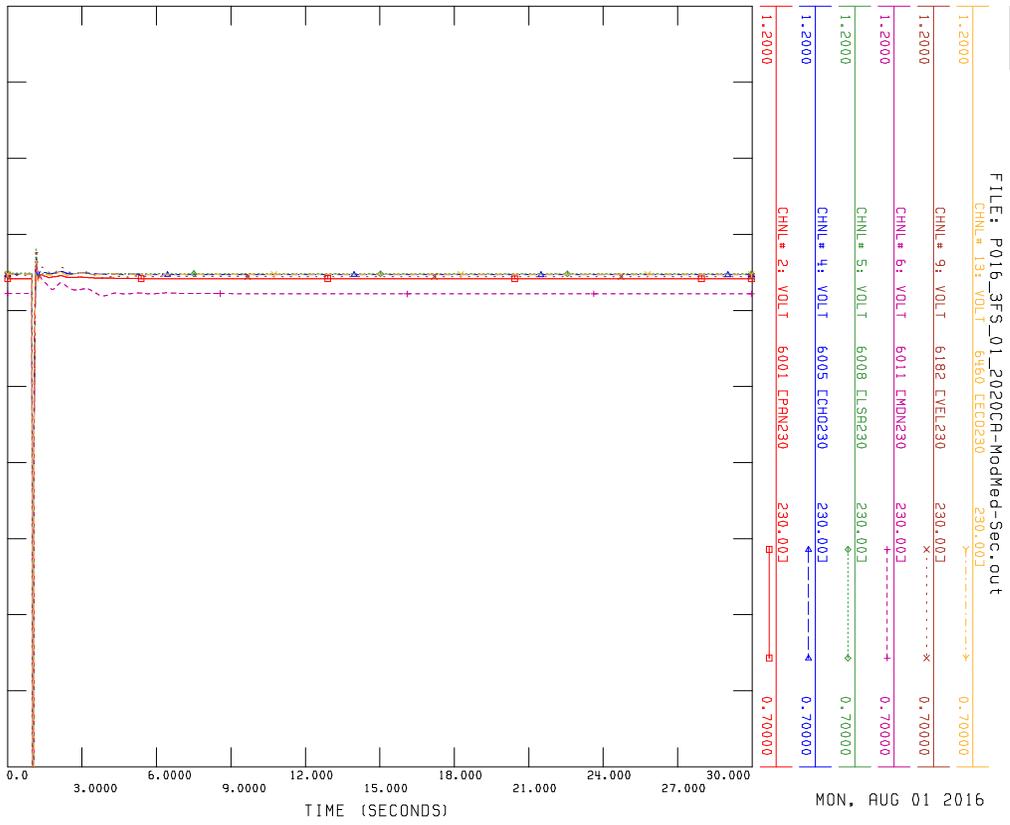
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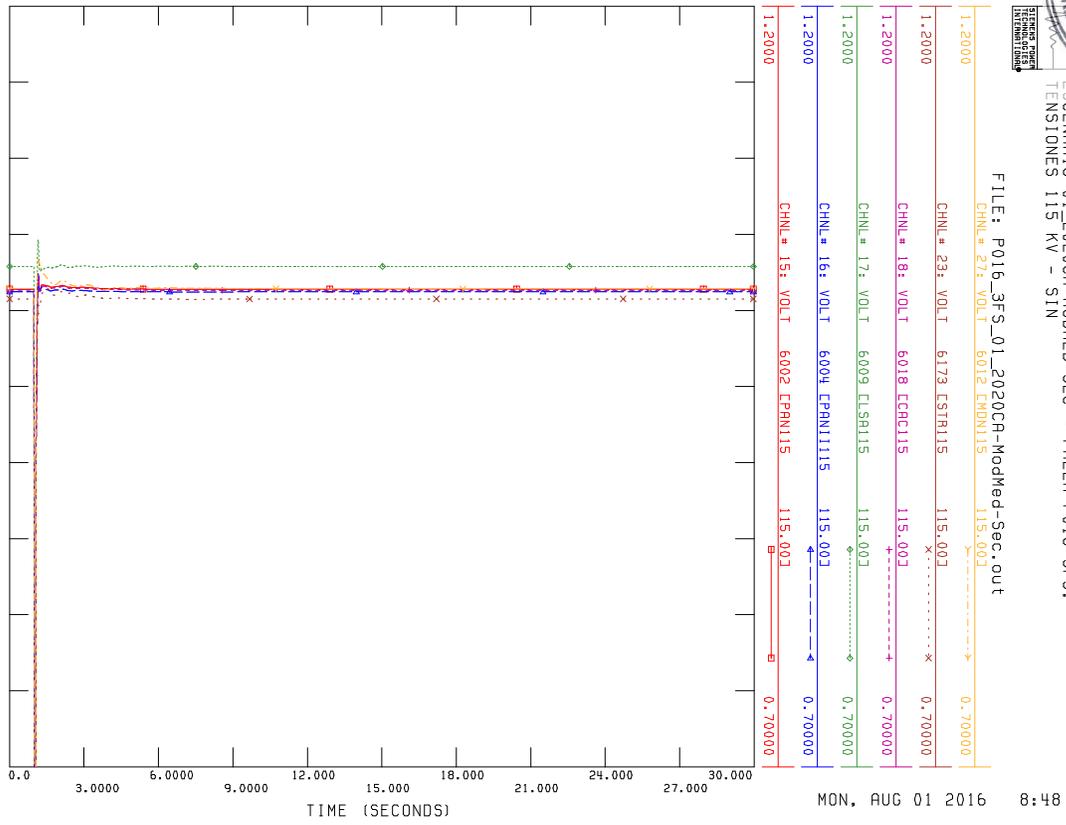


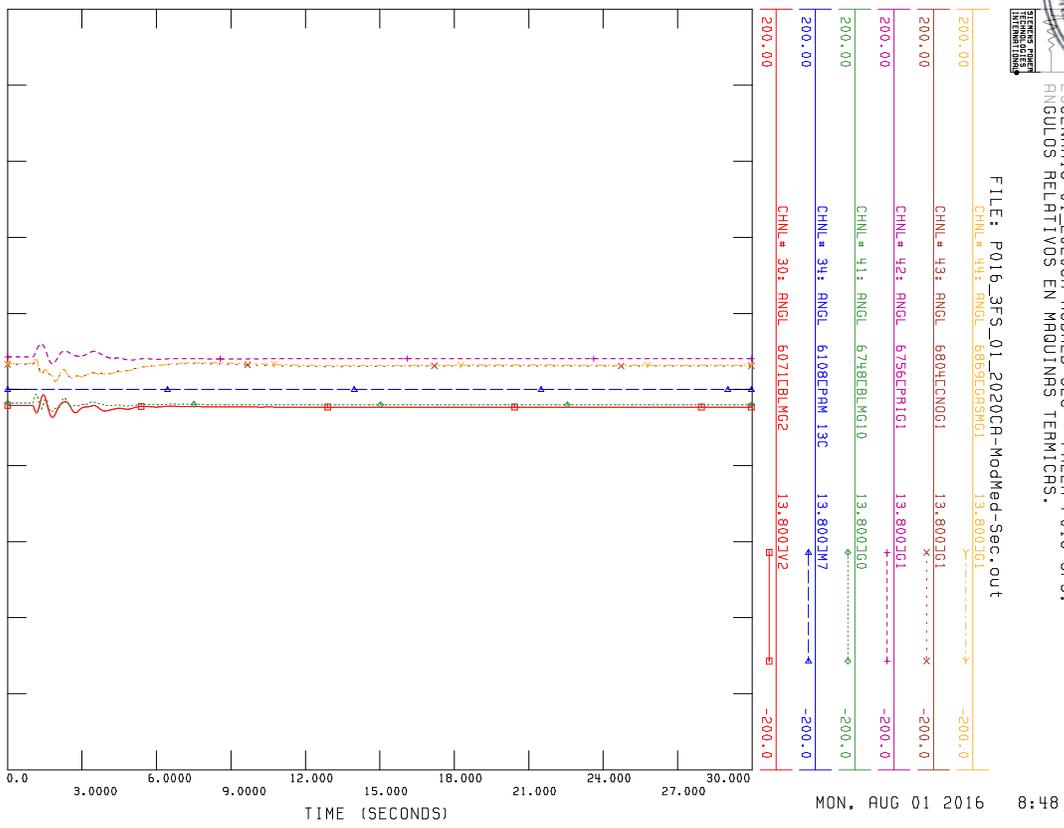
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ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P016 3FS.  
TENSIONES 230 KV - SIN



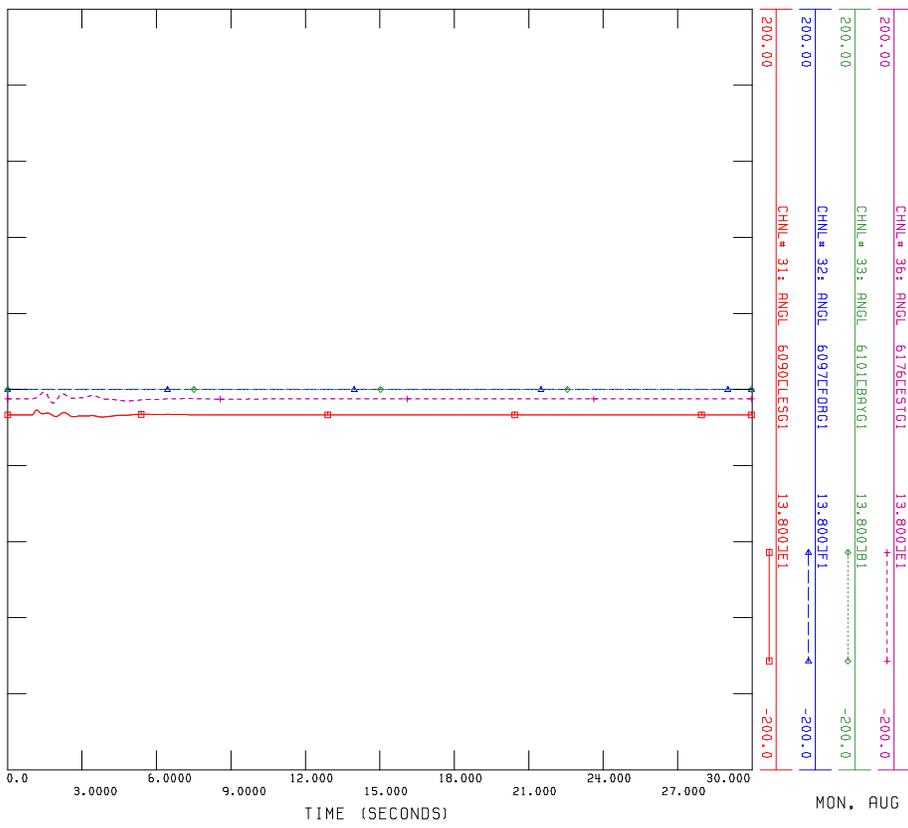






ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P016 3FS.  
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P016\_3FS\_01\_2020CA-ModMed-Sec.out

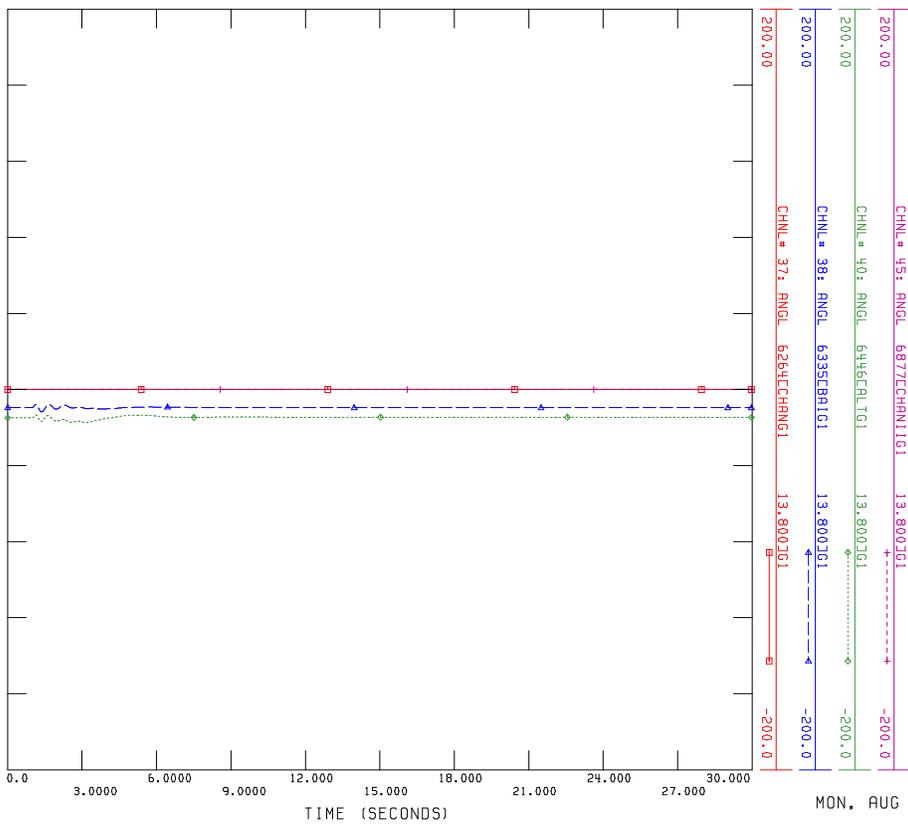


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ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P016 3FS.  
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P016\_3FS\_01\_2020CA-ModMed-Sec.out



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ESCENARIO 01\_2020CA-MODMED-SEC - FALLA P016 3FS. FRECUENCIAS.

FILE: P016\_3FS\_01\_2020CA-ModMed-Sec.out

