



GACETA OFICIAL

DIGITAL

Año CXV

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

N° 28124-A

CONTENIDO

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).

República de Panamá
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS



Resolución AN No. 10377 -Elec

Panamá, 29 de agosto de 2016

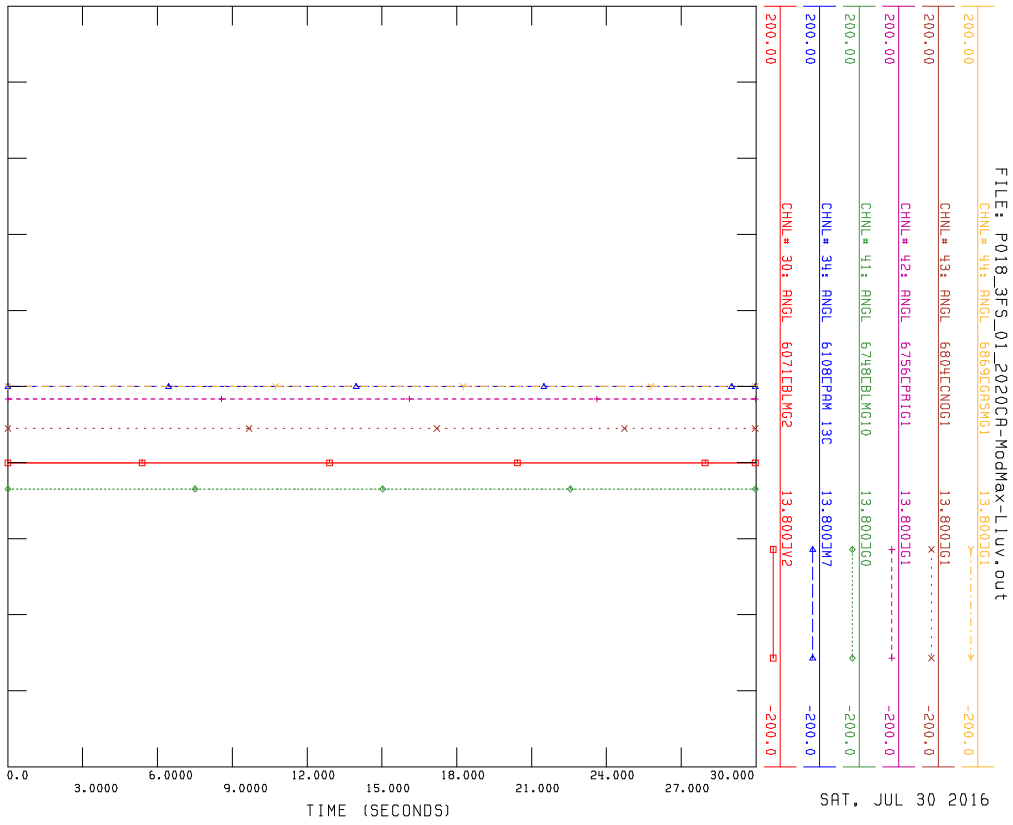
“Por la cual se aprueba la celebración de la Consulta Pública No. 007-16-Elec, para considerar la propuesta del Plan de Expansión del Sistema Interconectado Nacional correspondiente al año 2016, presentada por la Empresa de Transmisión Eléctrica, S.A. (ETESA).”

ANEXO A

TOMO IX (De la foja 1601 a la foja 1800)



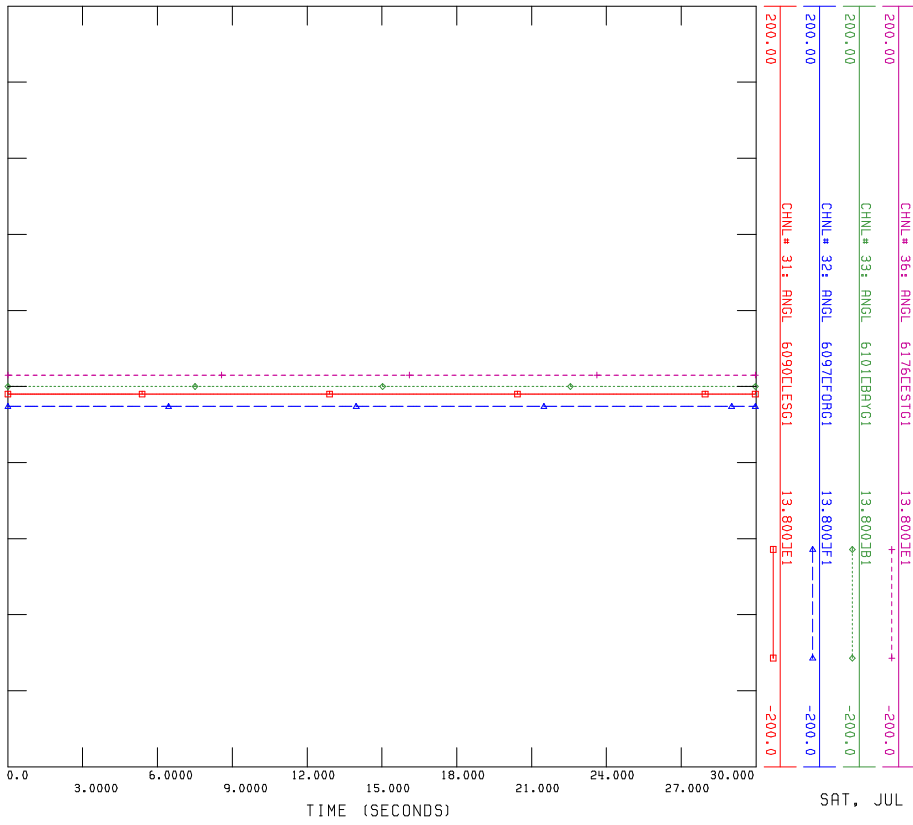
ESCENARIO 01_2020CR-MODMX-LUV - FALLA P018 3FS.
 ANGULOS RELATIVOS EN MOJUNRS TERCIMCRS.





ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P018 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P018_3FS_01_2020CR-ModMax-Lluv.out

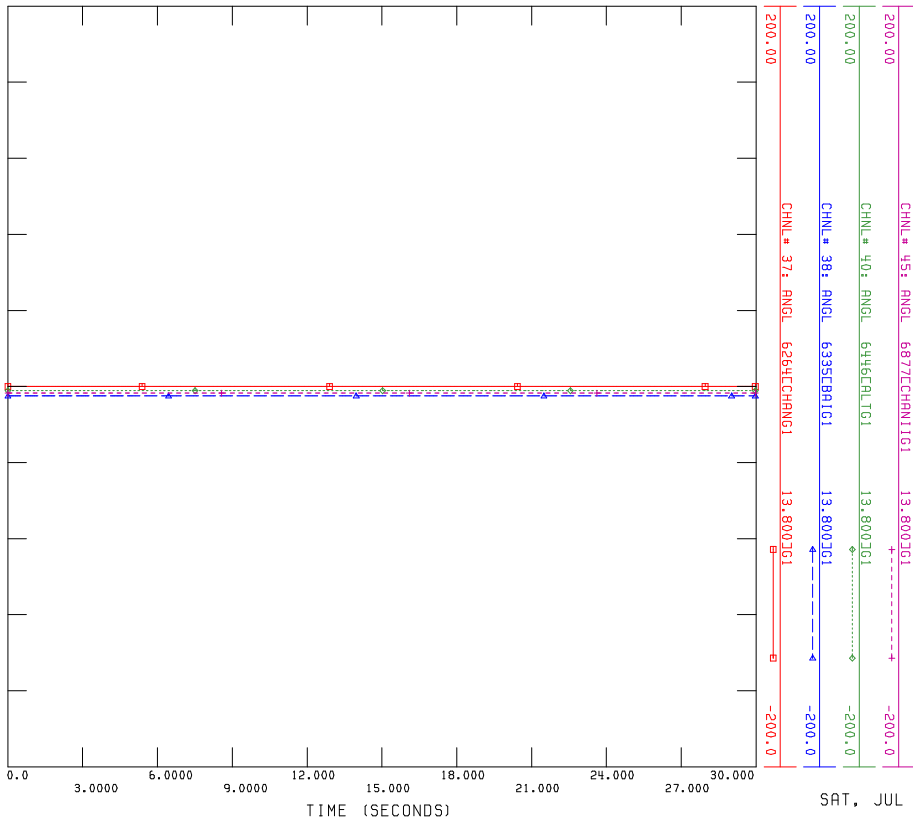


SAT, JUL 30 2016 14:46



ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P018 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P018_3FS_01_2020CR-ModMax-Luv.out



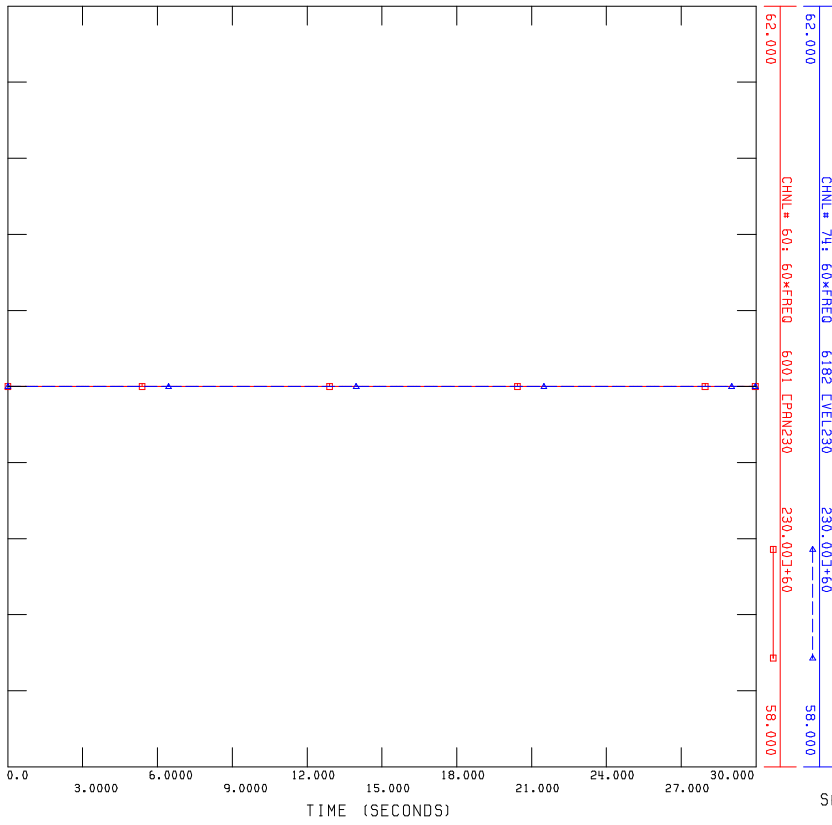
SAT, JUL 30 2016 14:46



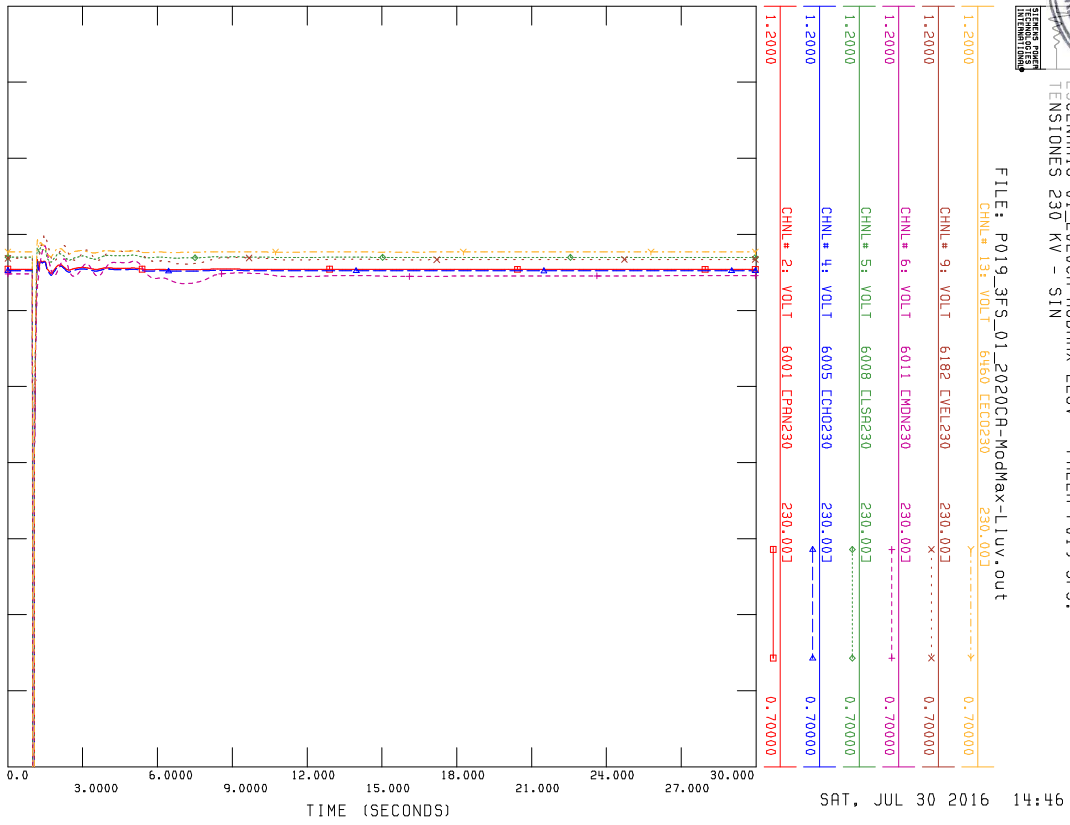
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMX-LUV - FALLA P018 3FS.
FRECUENCIAS.

FILE: P018_3FS_01_2020CR-ModMax-Luv.out

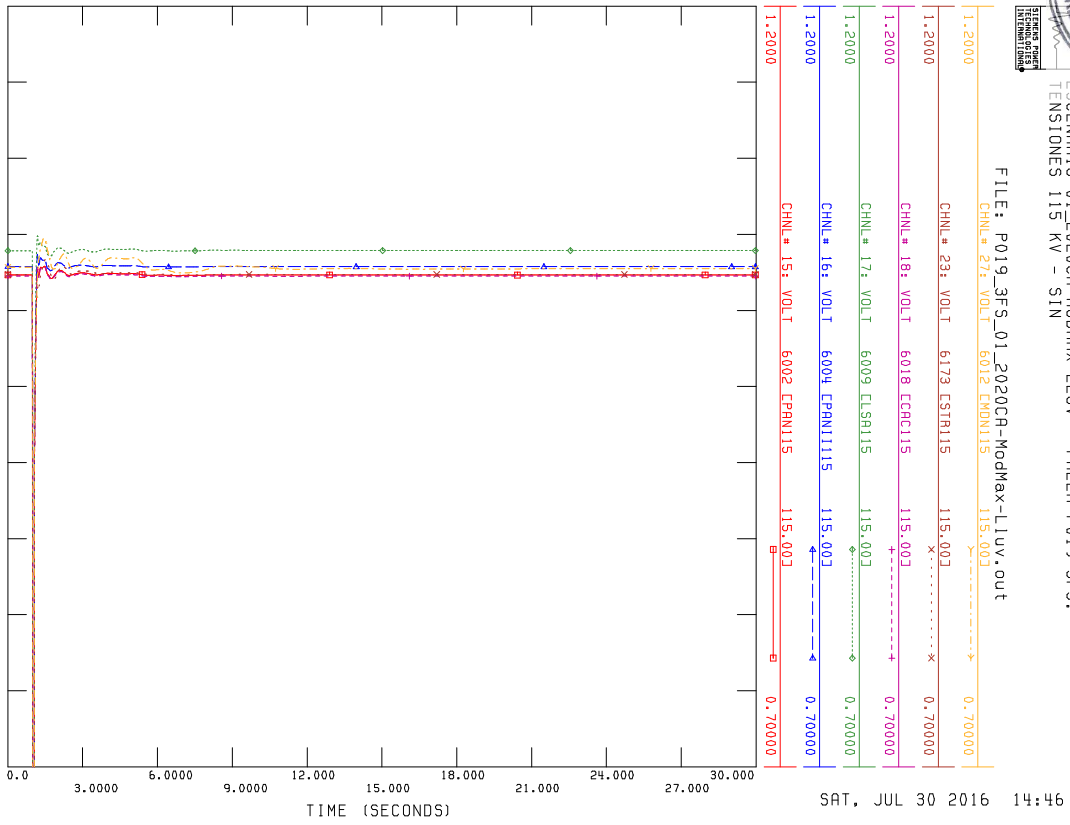


SAT, JUL 30 2016 14:46



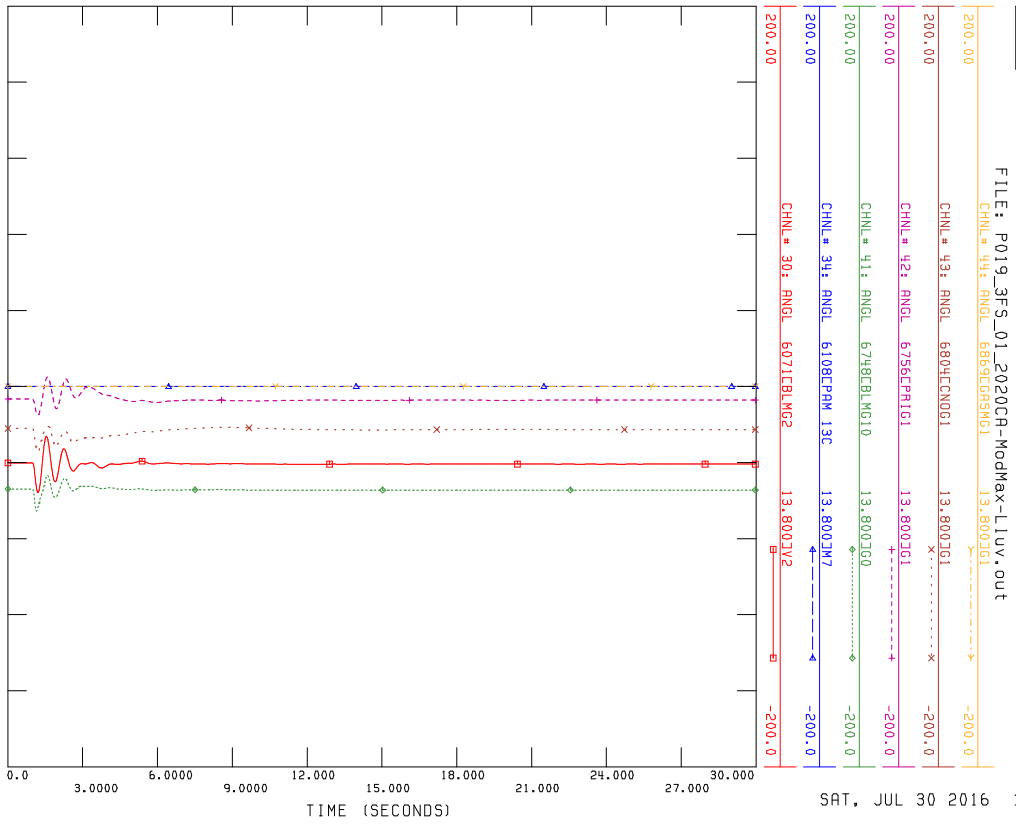


ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P019 3FS.
 TENSIONES 115 KV - SIN





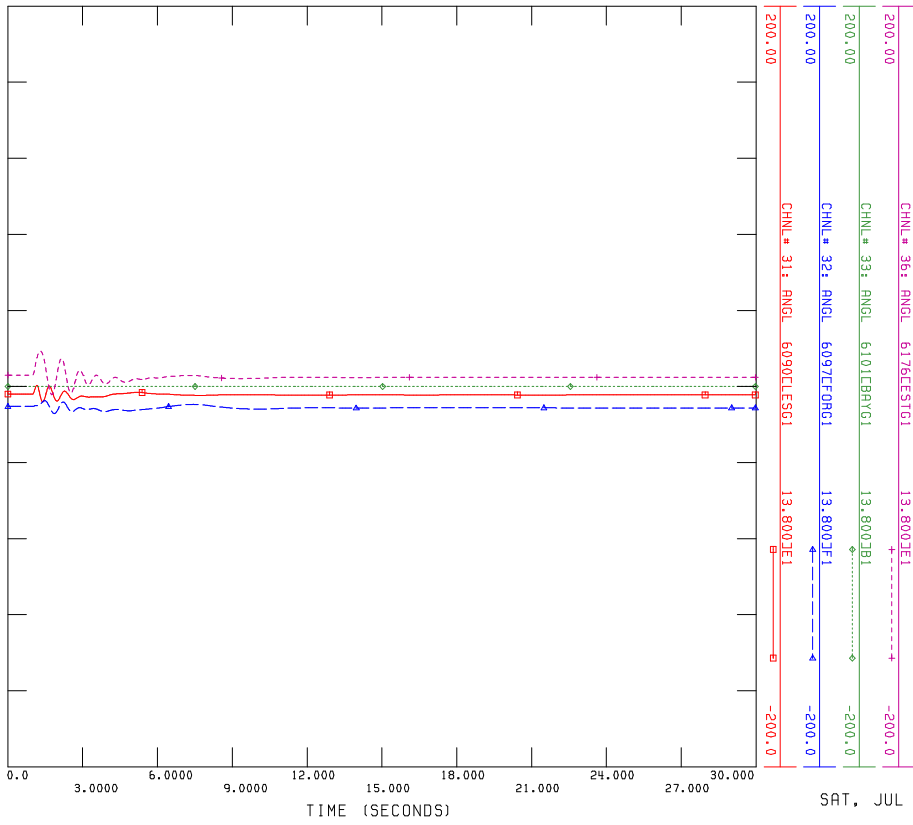
ESCENARIO 01_2020CR-MODMX-LLUV - FALLA P019 3FS.
 ANGULOS RELATIVOS EN MOJUNRS TERCICAS.





ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P019 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P019_SFS_01_2020CR-ModMax-LLuv.out

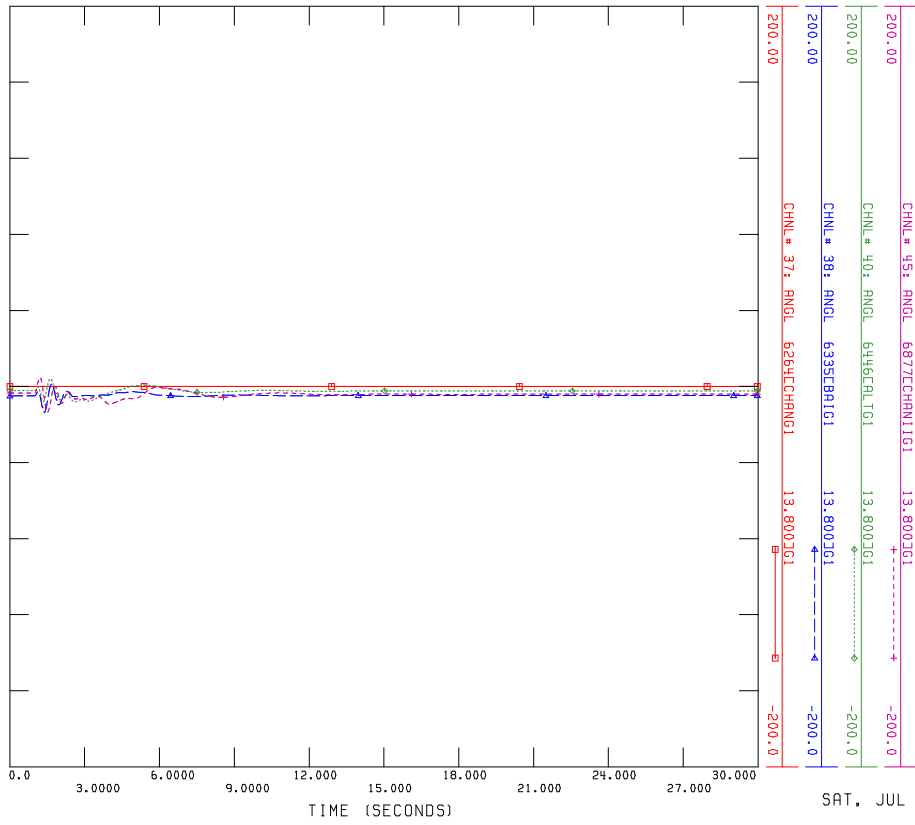


SAT, JUL 30 2016 14:46



ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P019 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P019_3FS_01_2020CR-ModMax-Luv.out



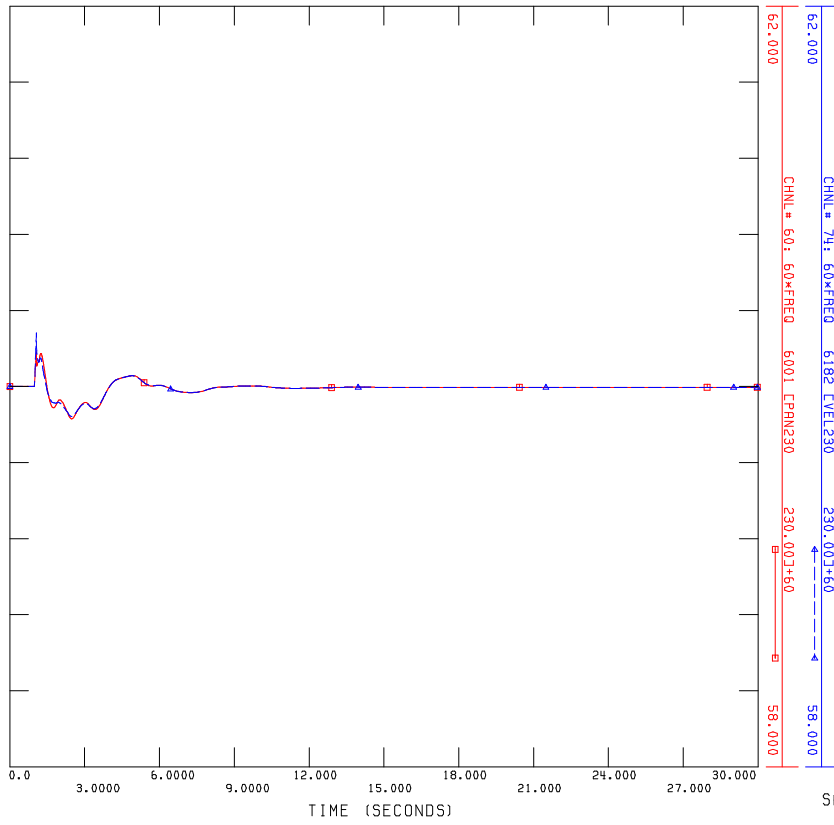
SAT, JUL 30 2016 14:46

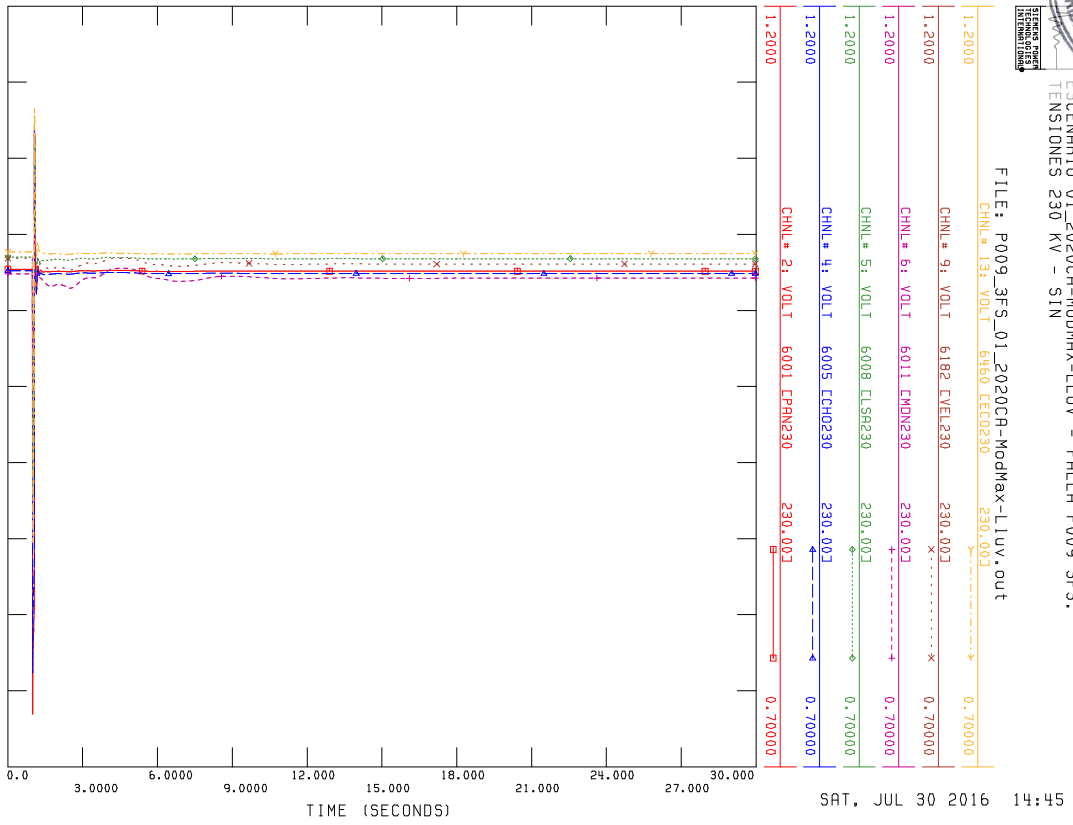


REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMX-LUV - FALLA P019 3FS.
FRECUENCIAS.

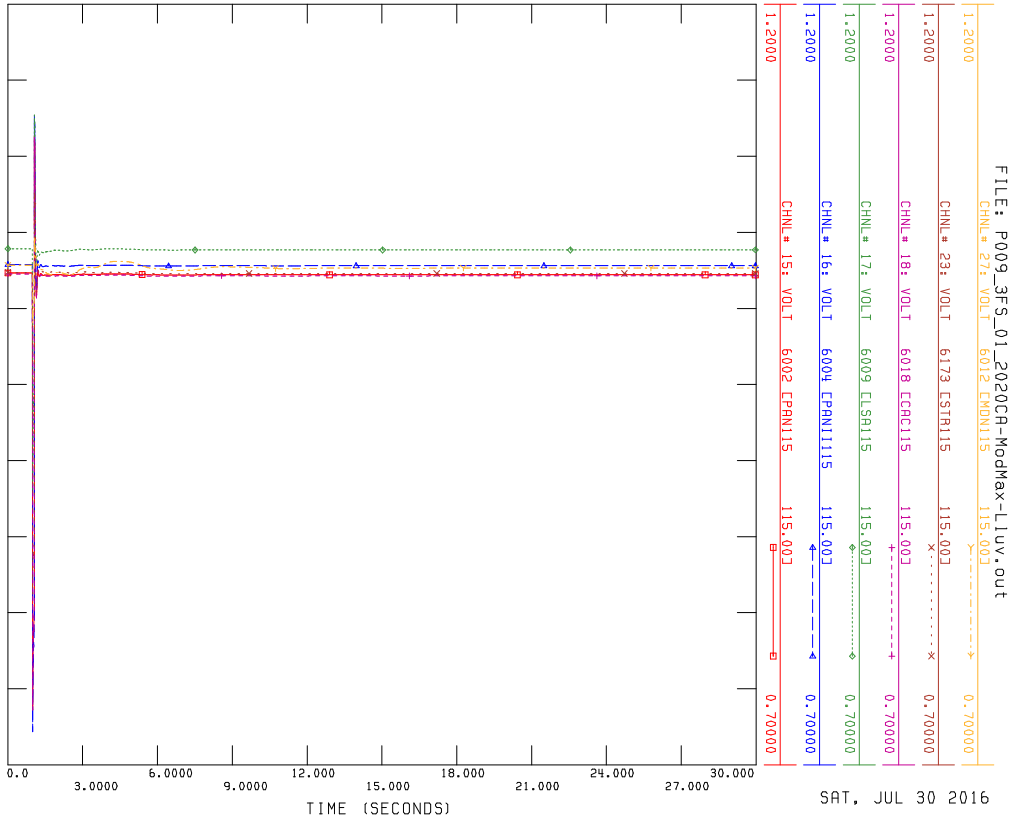
FILE: P019_3FS_01_2020CR-ModMax-Luv.out

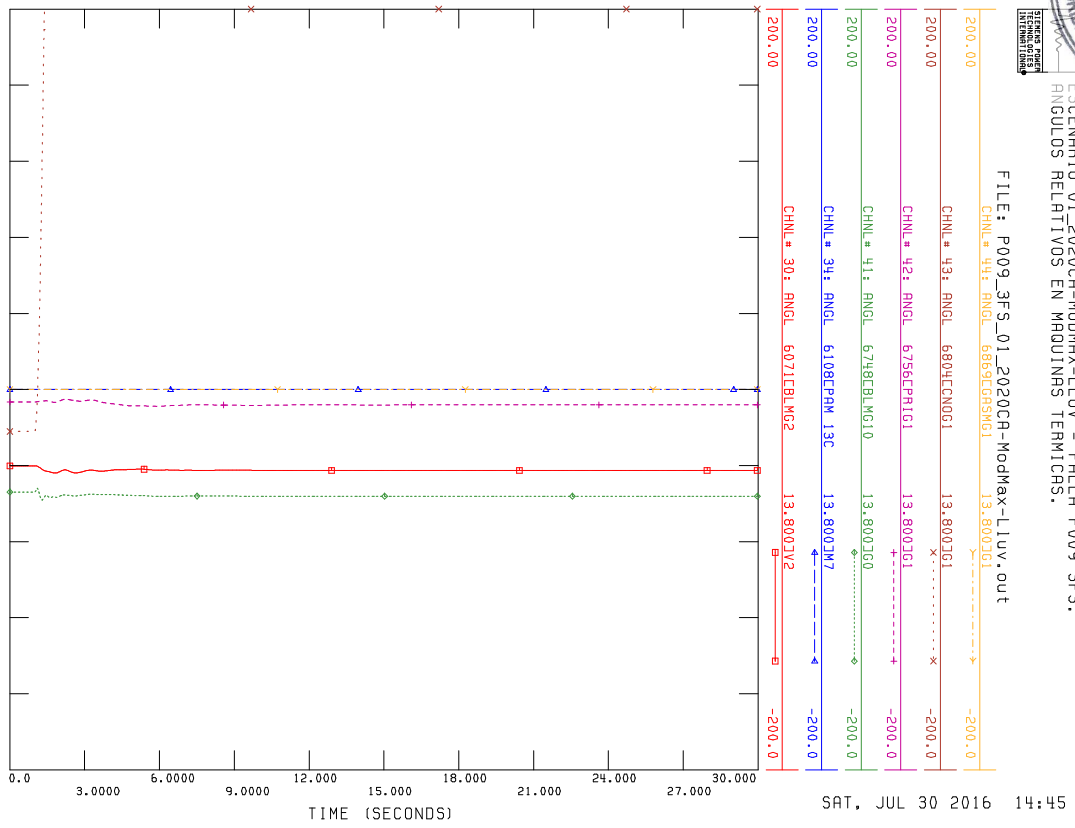






ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P009 3FS.
TENSIONES 115 KV - SIN

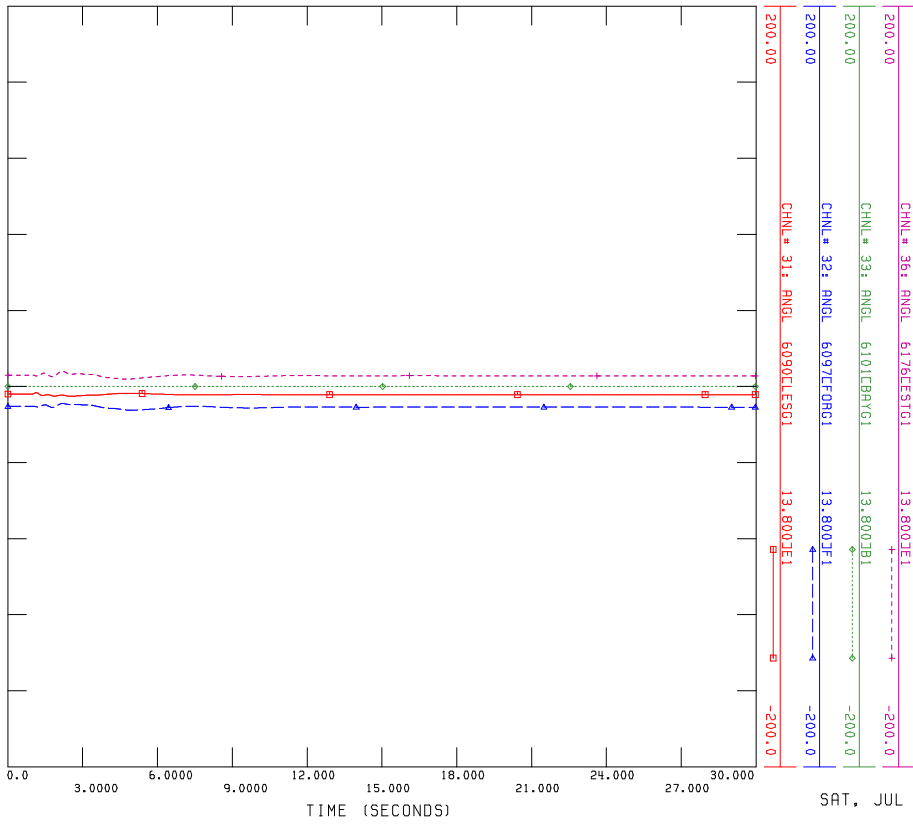






ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P009 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

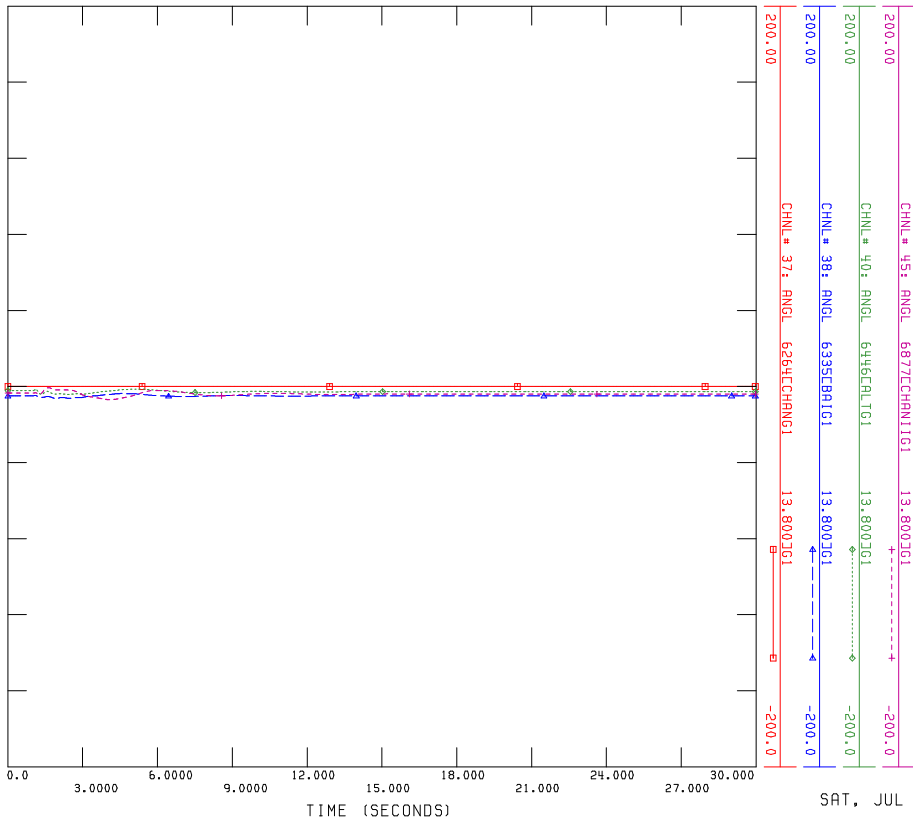
FILE: P009_3FS_01_2020CR-ModMax-LLuv.out





ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P009 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P009_3FS_01_2020CR-ModMax-Luv.out



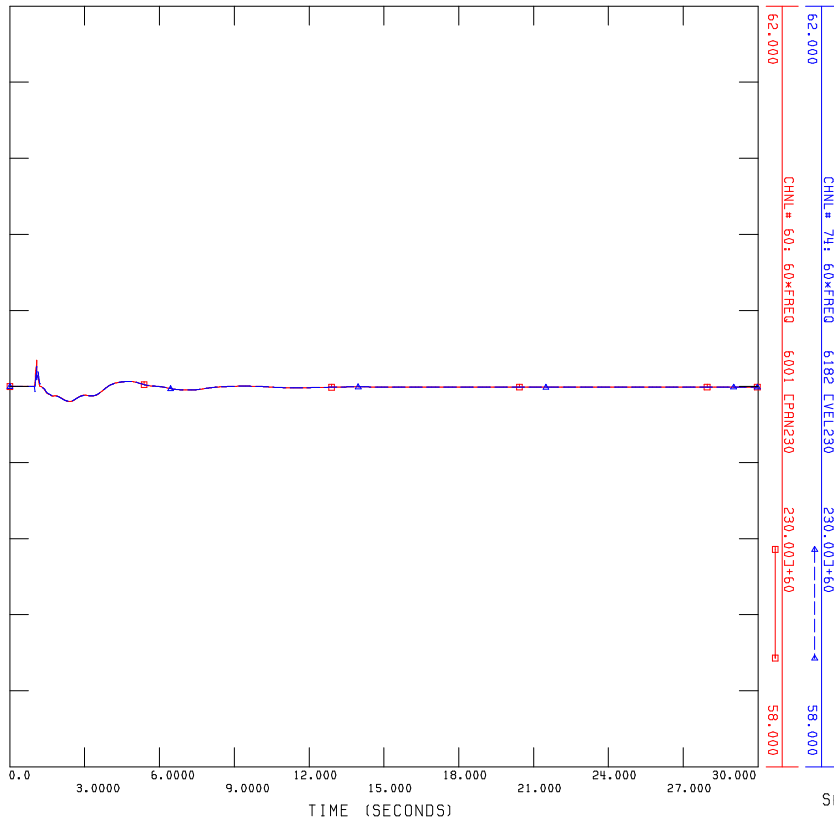
SAT, JUL 30 2016 14:45



ESCENARIO 01_2020CR-MODMAX-LLUV - FILLA P009 3FS.

RECUCENCIAS.

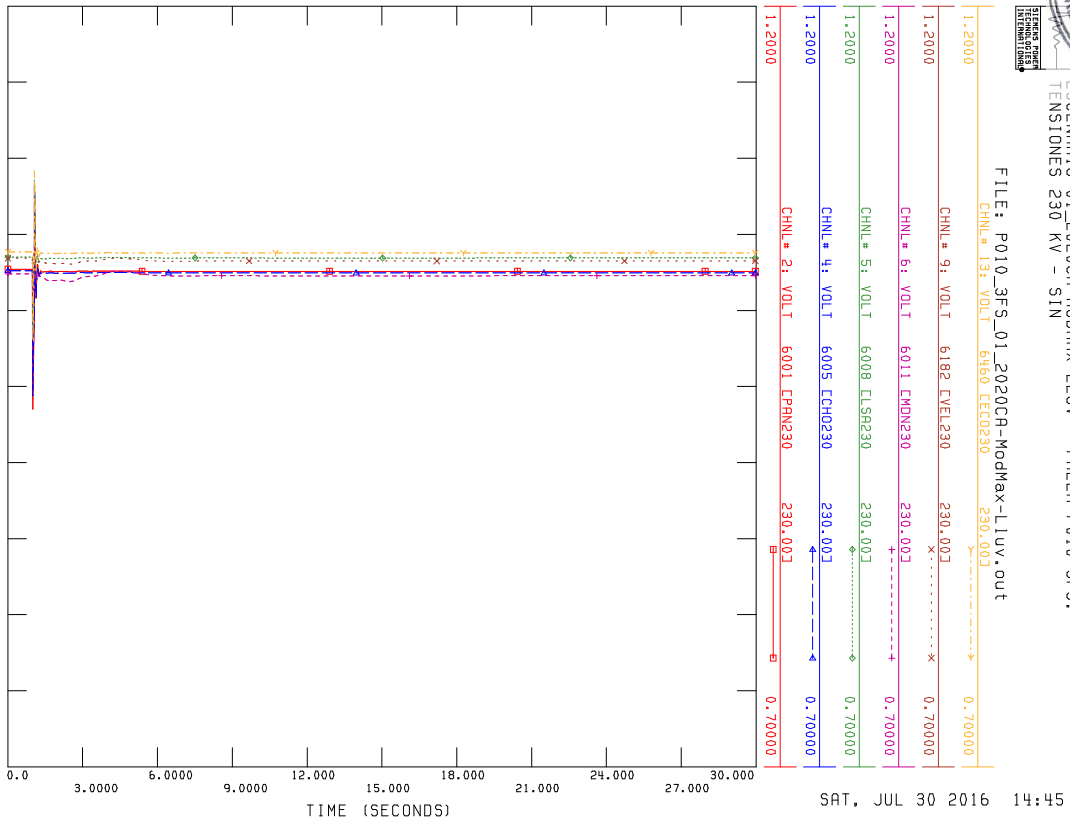
FILE: P009_3FS_01_2020CR-ModMax-Lluv.out



SAT, JUL 30 2016 14:45

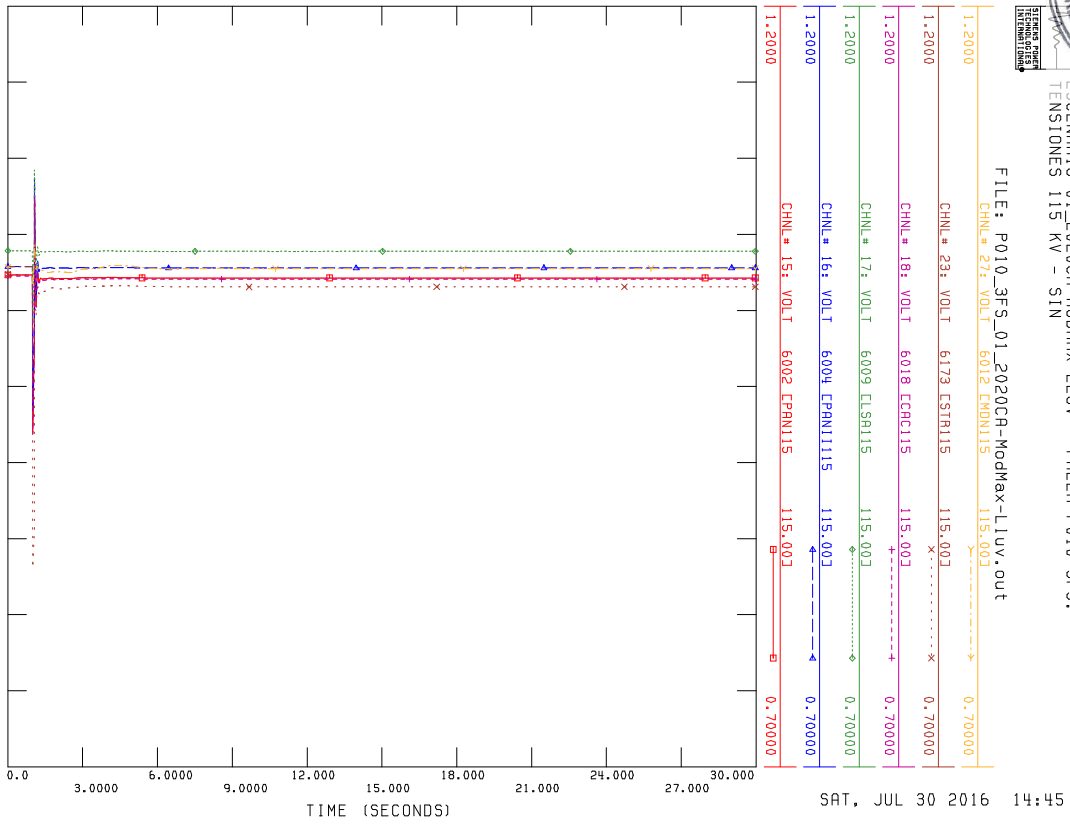


ESCENARIO 01_2020CR-MODMAX-LLUV - FALTA P010 3FS.
TENSIONES 230 KV - SIN



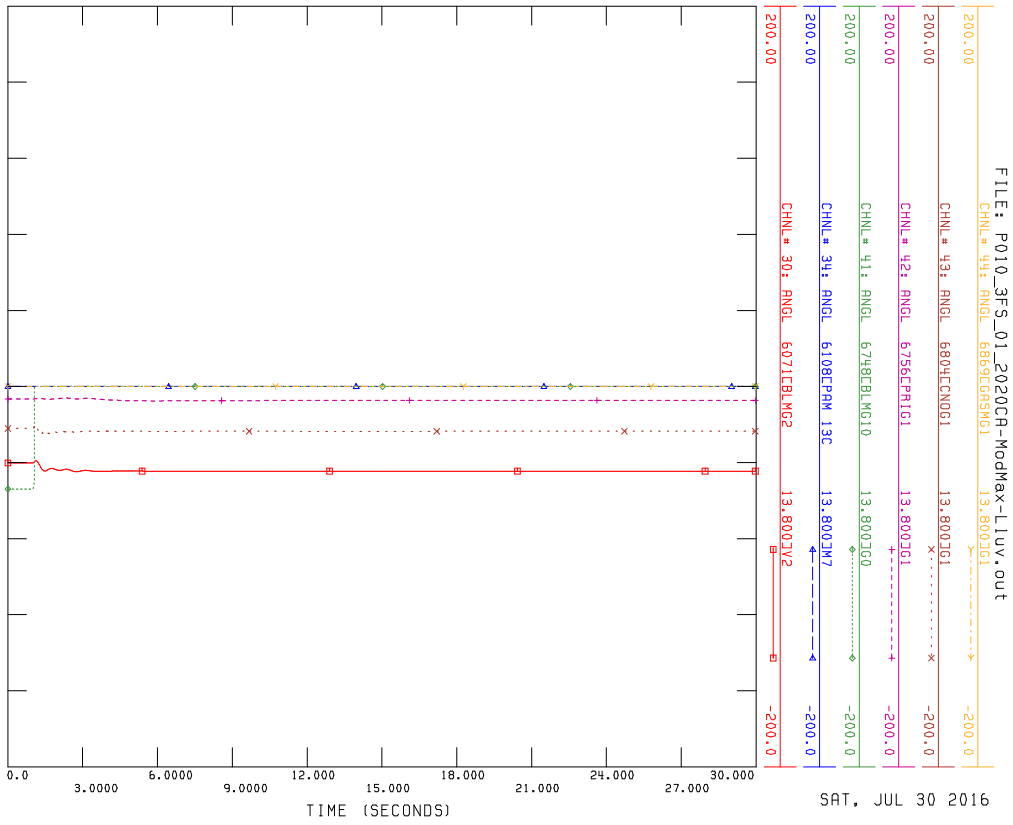


ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P010 3FS.
TENSIONES 115 KV - SIN





ESCENARIO 01_2020CR-MODMX-LLUV - FALLA P010 3FS.
 ANGULOS RELATIVOS EN MOJUNRS TERMICRS.

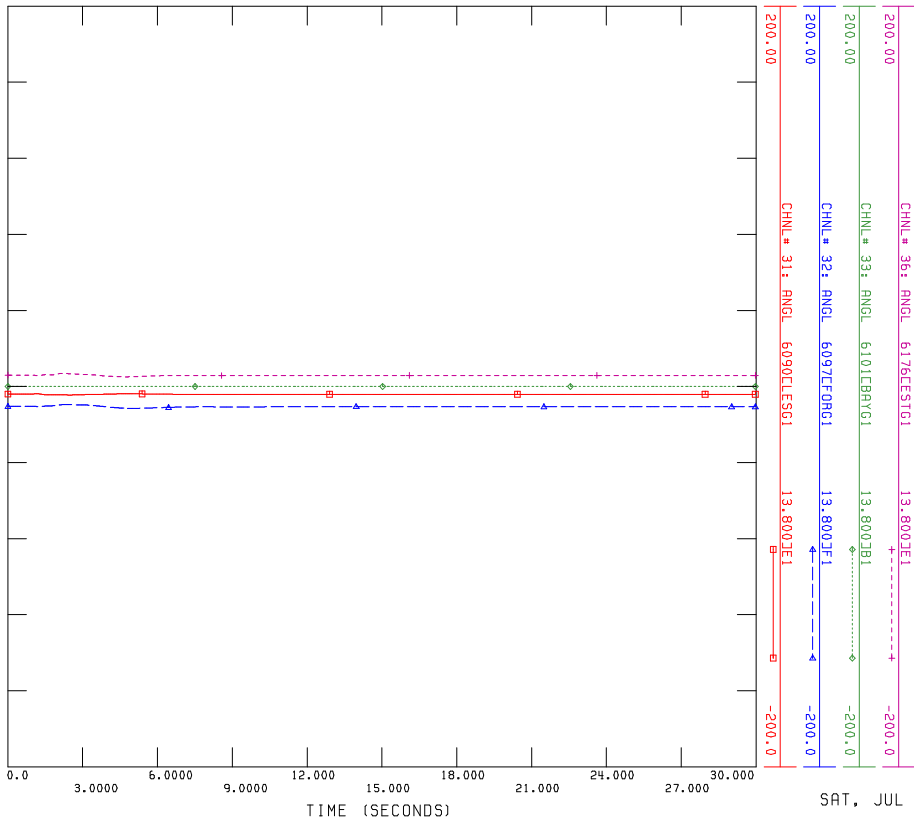




100.00
 0.00
 -100.00
 -200.00
 -300.00
 -400.00
 -500.00
 -600.00
 -700.00
 -800.00
 -900.00
 -1000.00

ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P010 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P010_SFS_01_2020CR-ModMax-Lluv.out

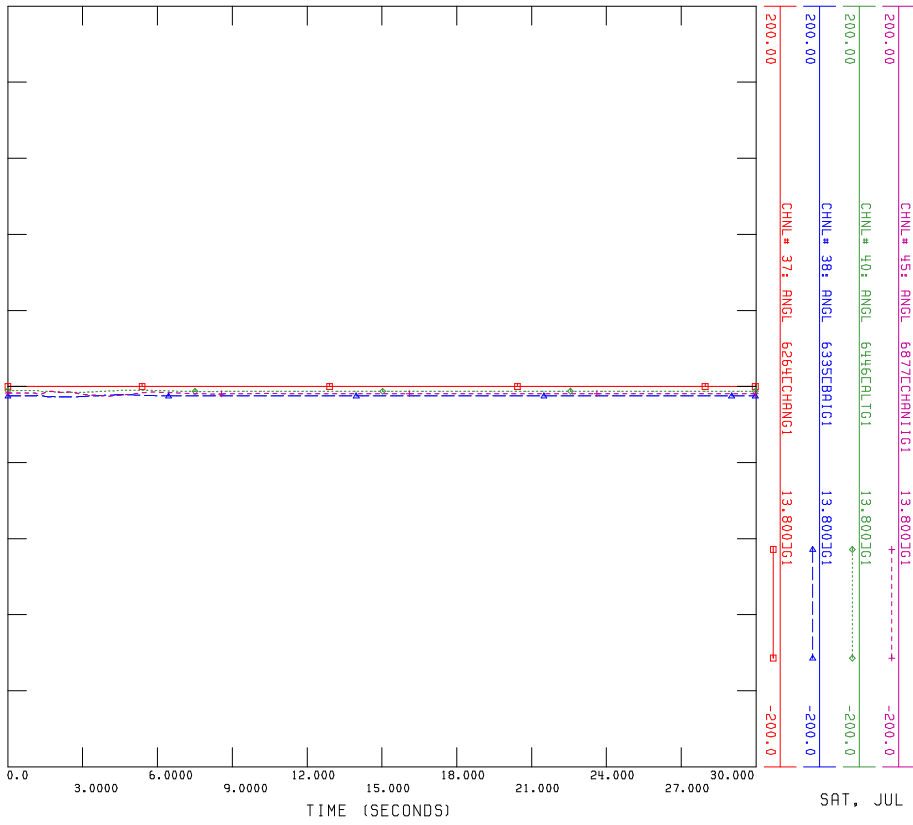


SAT, JUL 30 2016 14:45



ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P010 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P010_3FS_01_2020CR-ModMax-Lluv.out

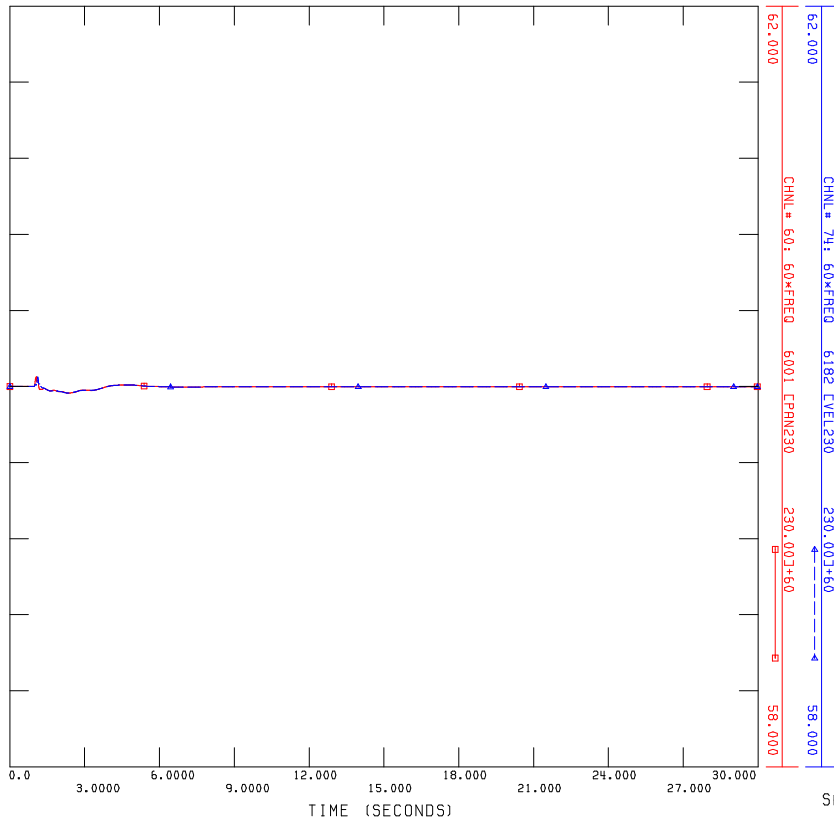


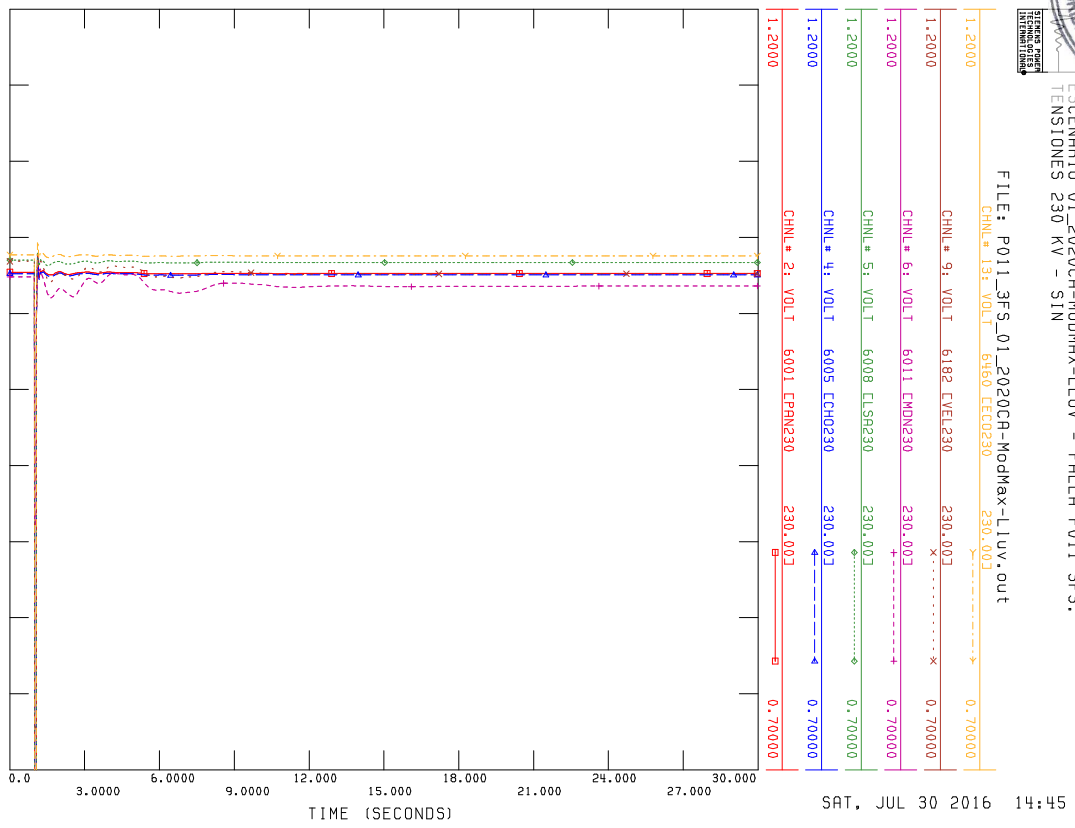


ESCENARIOS
DE FRECUENCIA

ESCENARIO 01_2020CR-MODMX-LLUV - FALLA P010 3FS.
FRECUENCIAS.

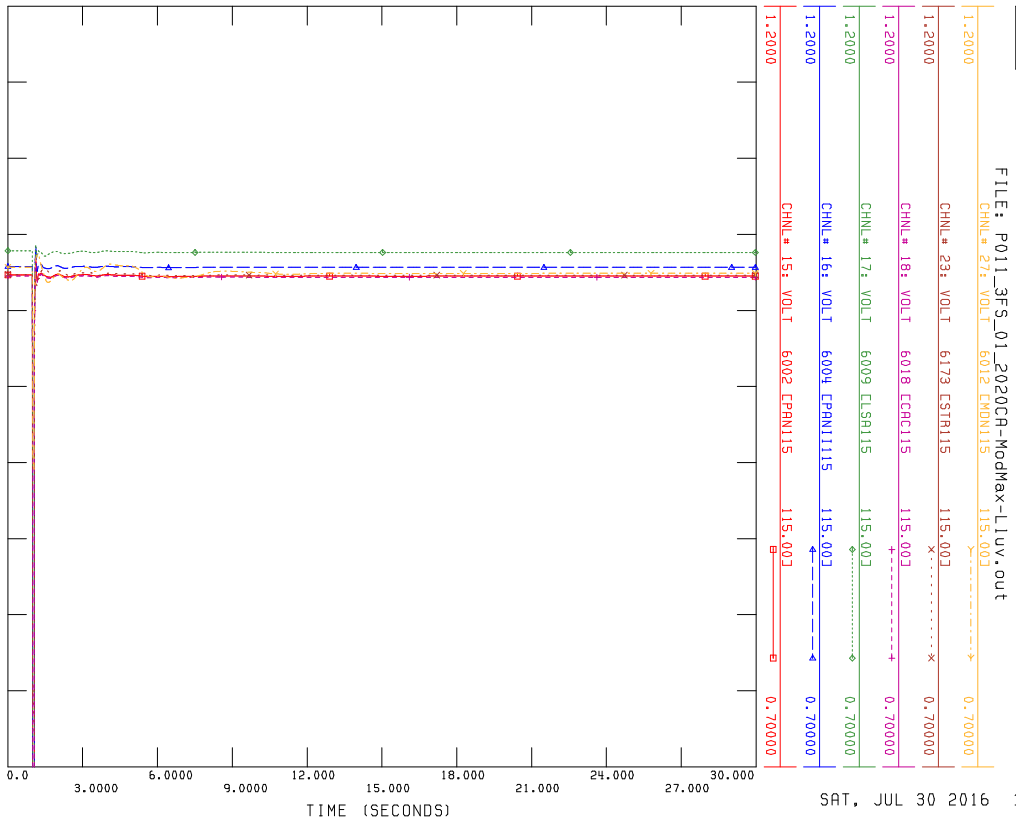
FILE: P010_SFS_01_2020CR-ModMax-Lluv.out

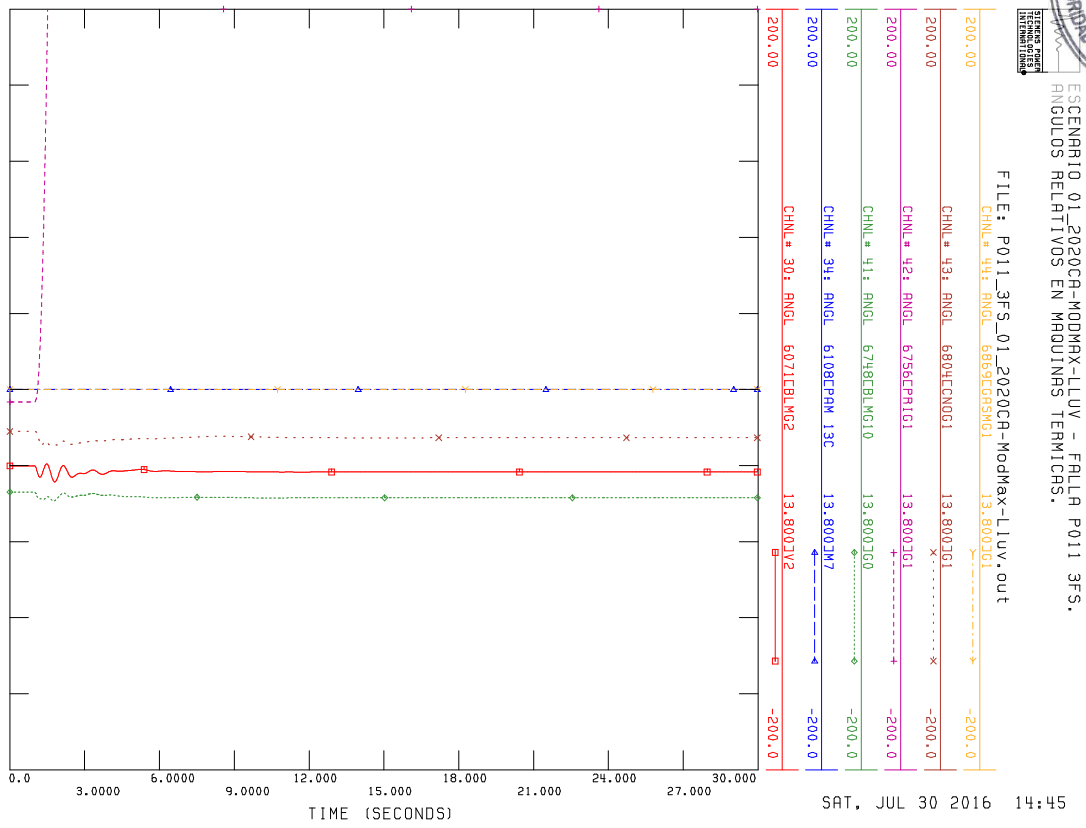






ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P011 3FS.
TENSIONES 115 KV - SIN

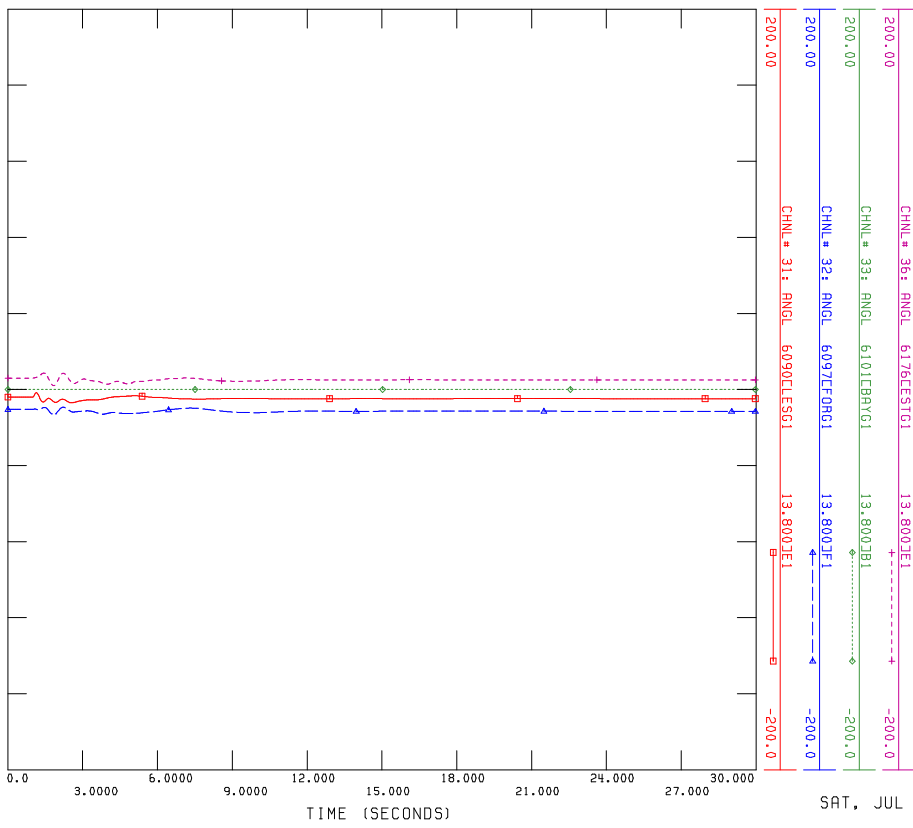






ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P011 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P011_SFS_01_2020CR-ModMax-Lluv.out

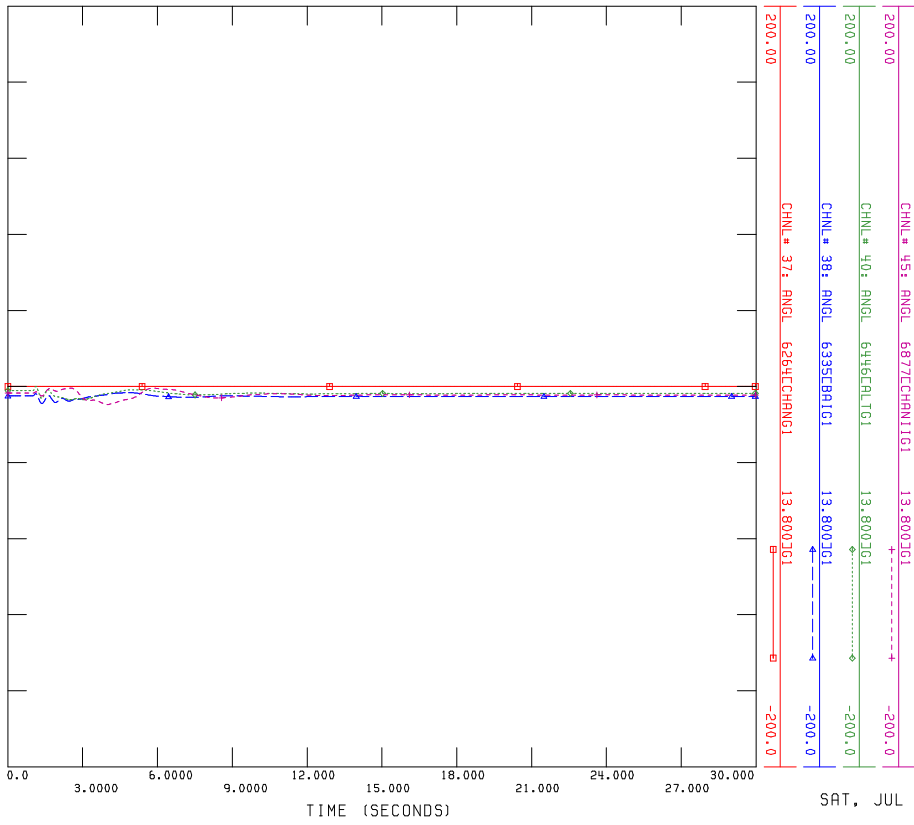


SAT, JUL 30 2016 14:45



ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P011 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P011_SFS_01_2020CR-ModMax-Luv.out



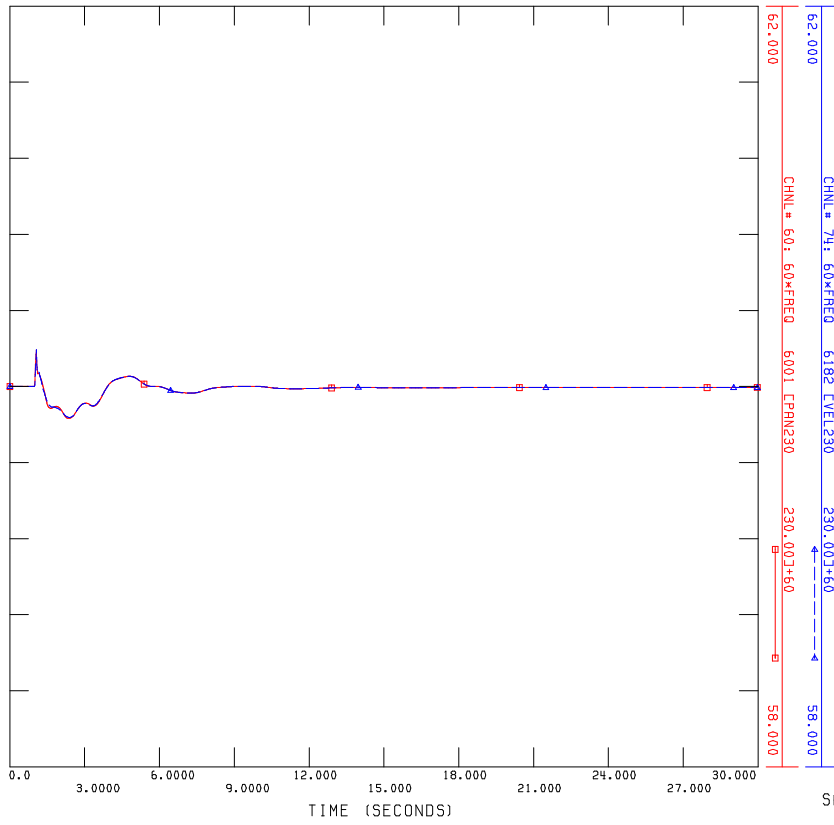
SAT, JUL 30 2016 14:45

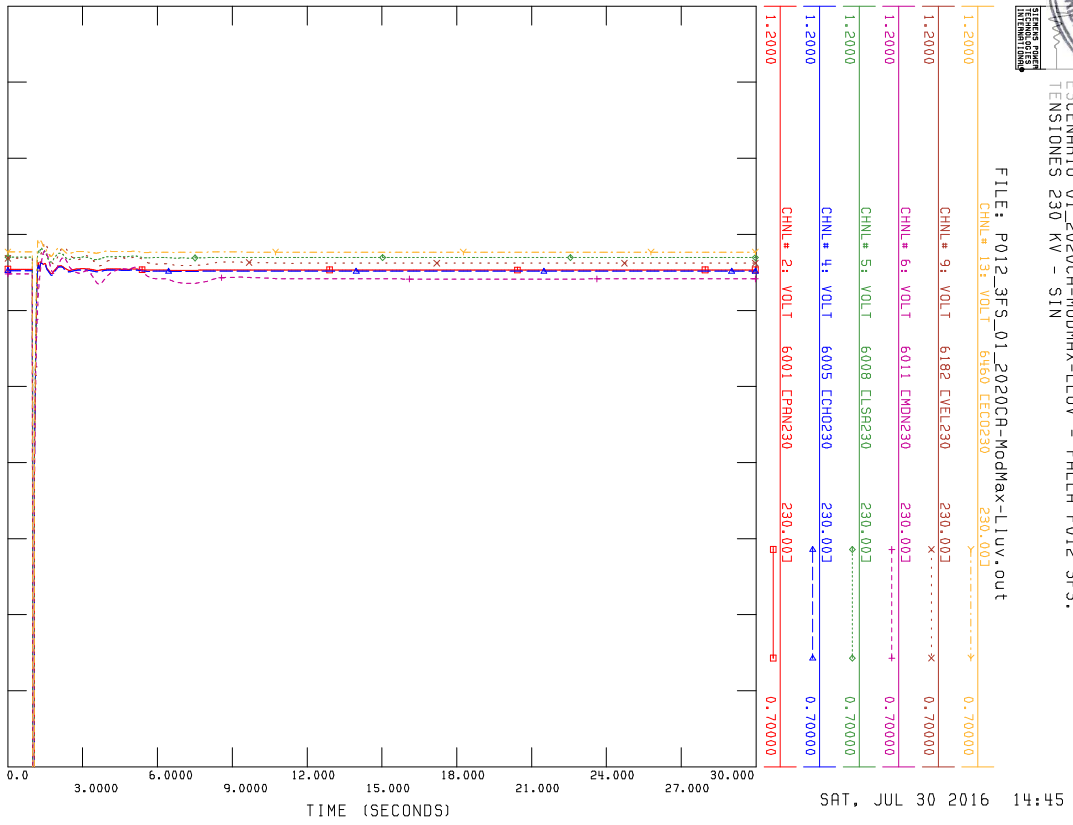


REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMX-LLUV - FALLA P011 3FS.
FRECUENCIAS.

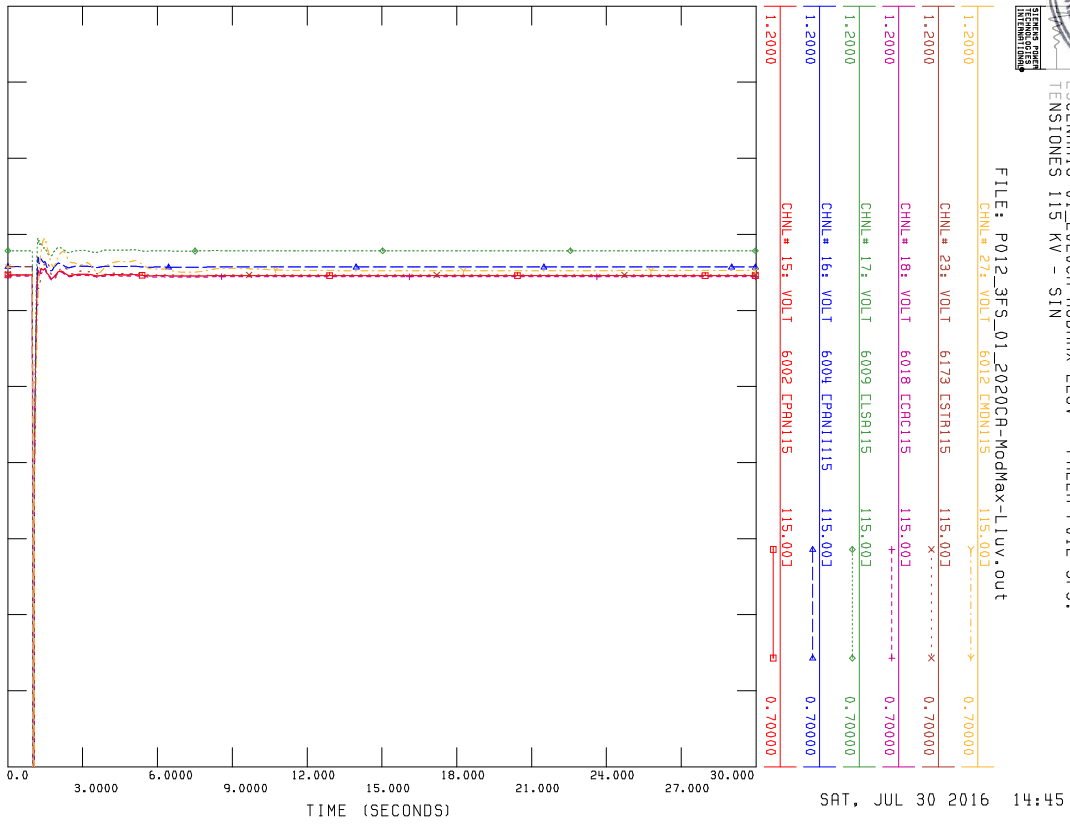
FILE: P011_SFS_01_2020CR-ModMax-Lluv.out





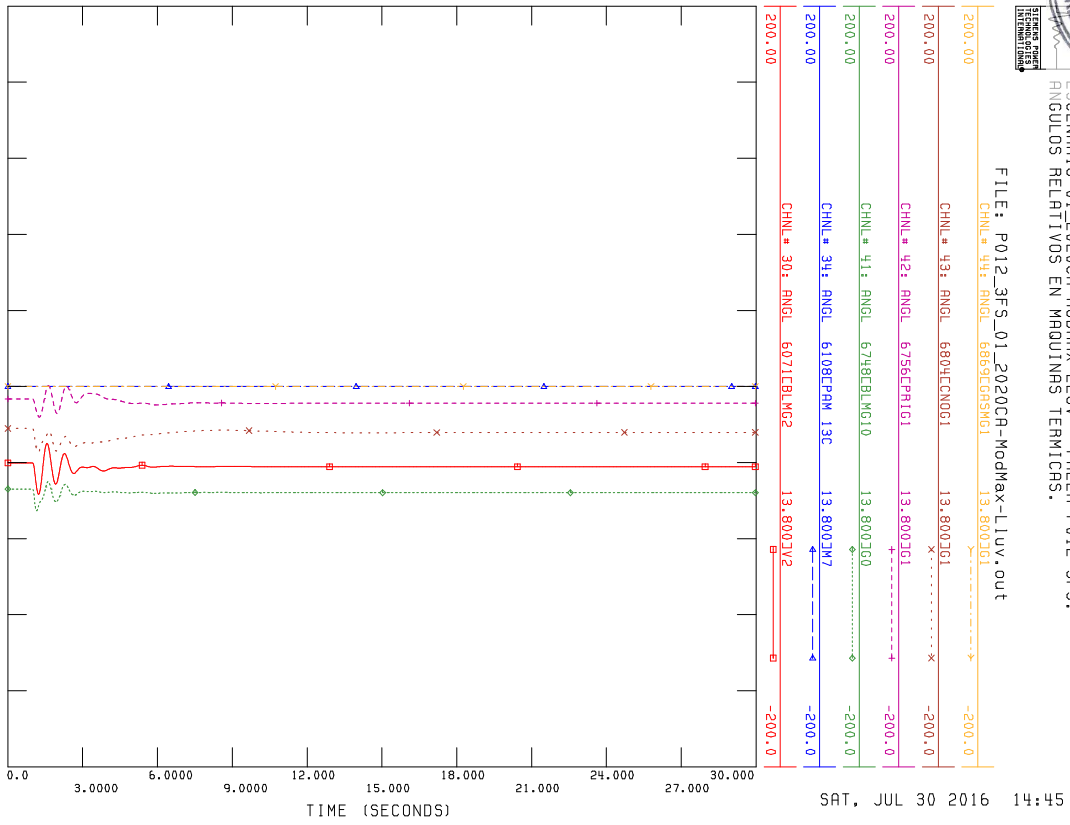


ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P012 3FS.
TENSIONES 115 KV - SIN





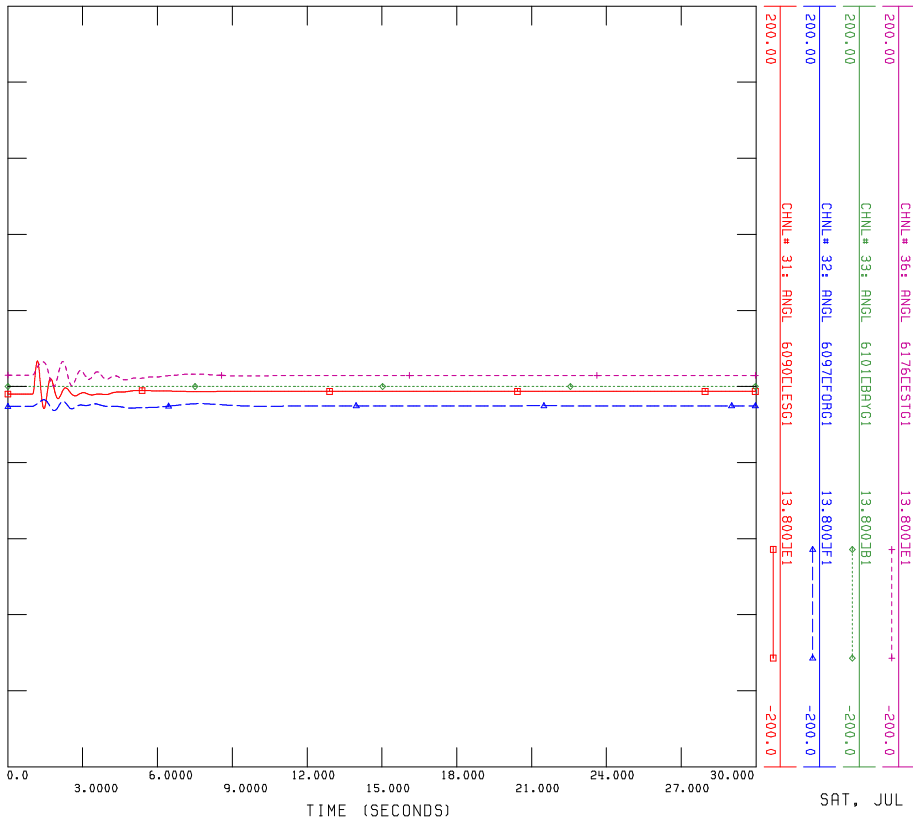
ESCENARIO 01_2020CR-MODMX-LLUV - FALLA P012 3FS.
 ANGULOS RELATIVOS EN MOQUINNS TERMICRS.





ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P012 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P012_SFS_01_2020CR-ModMax-LLuv.out

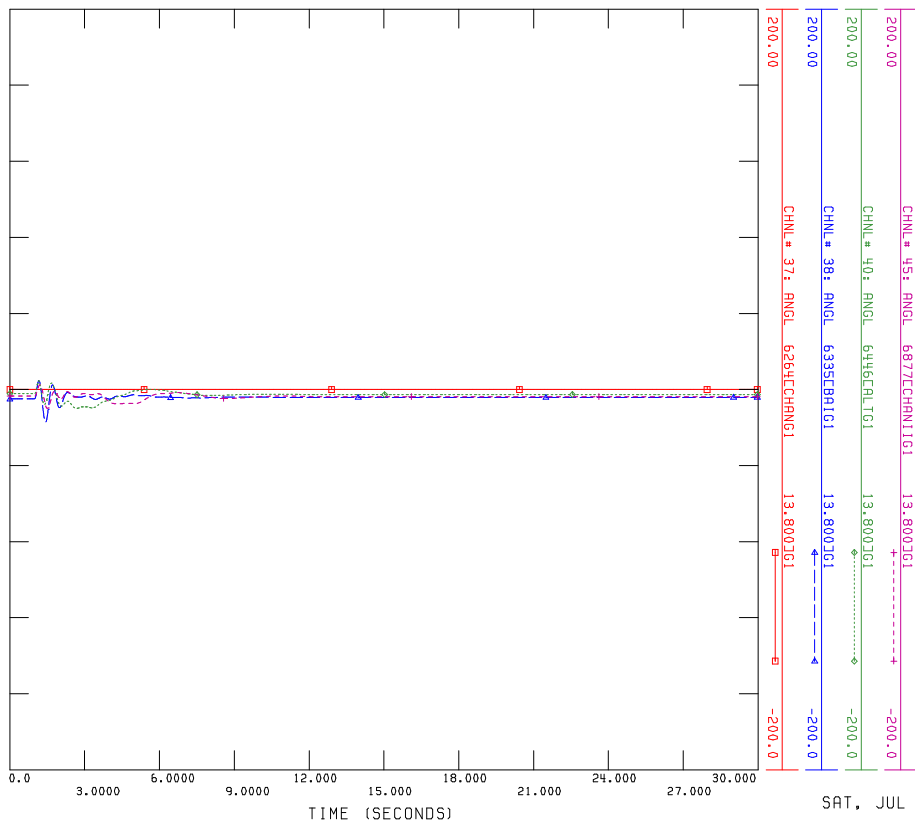


SAT, JUL 30 2016 14:45



ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P012 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P012_3FS_01_2020CR-ModMax-Luv.out



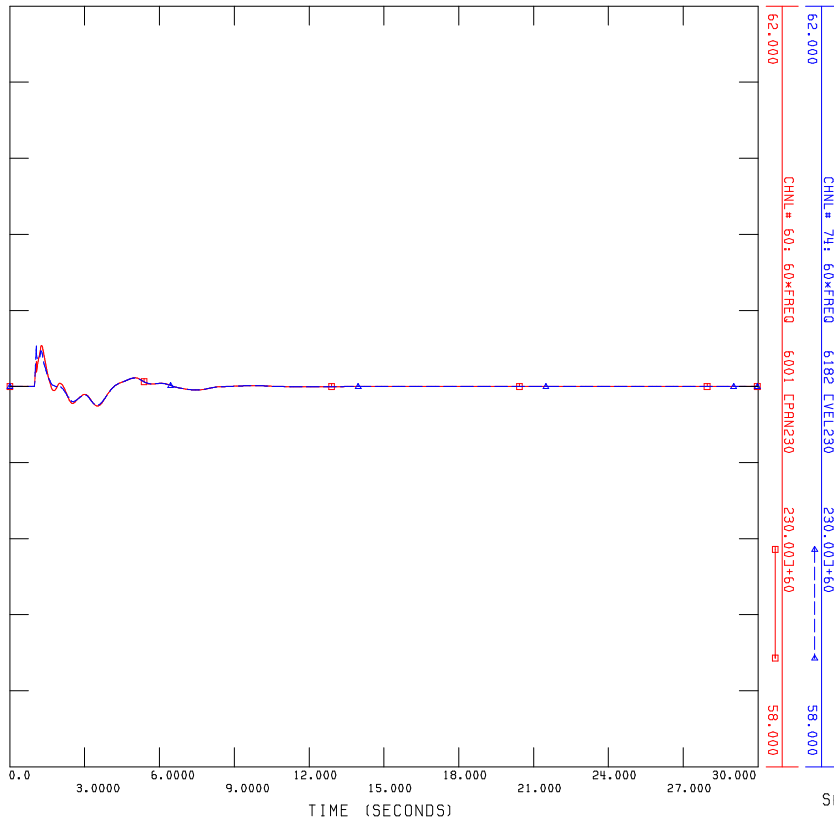
SAT, JUL 30 2016 14:45

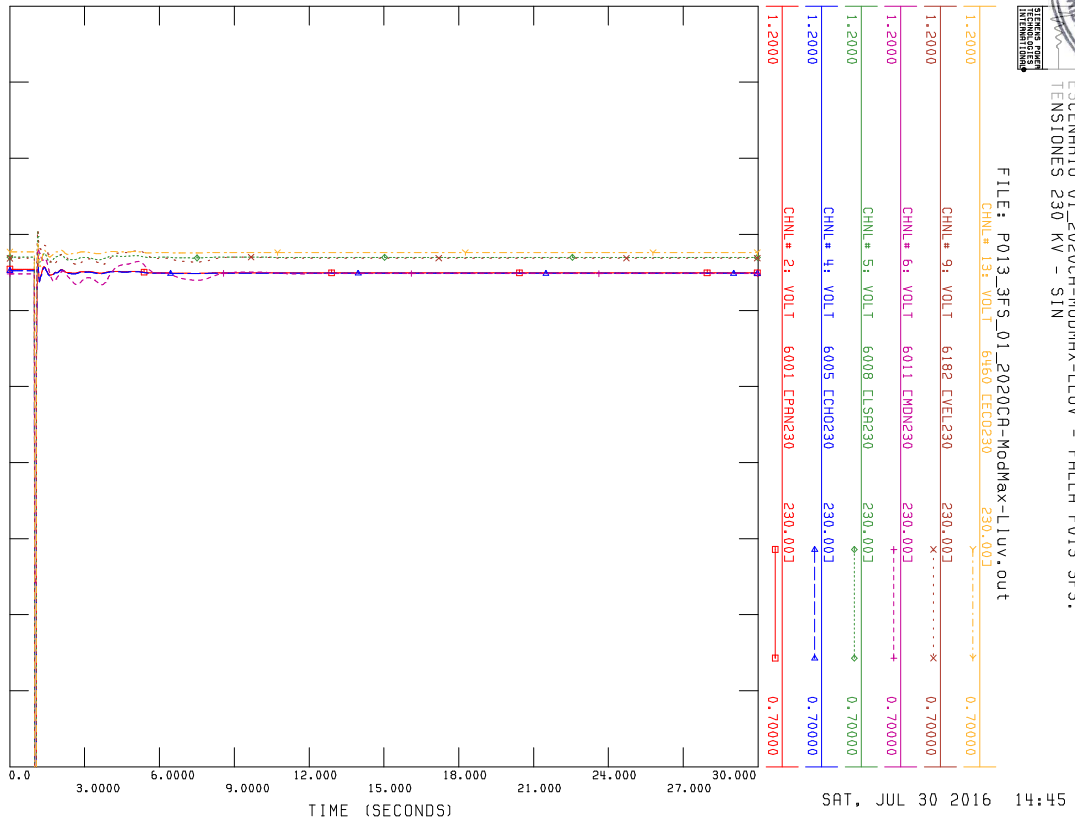


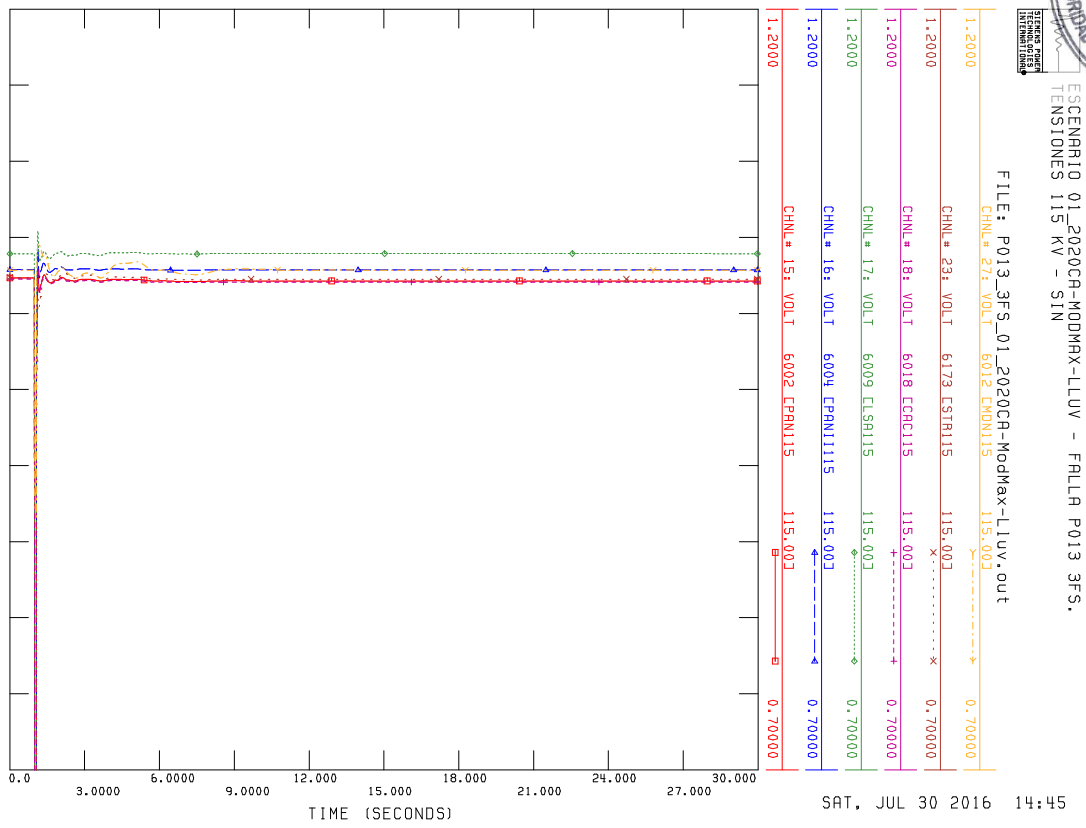
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

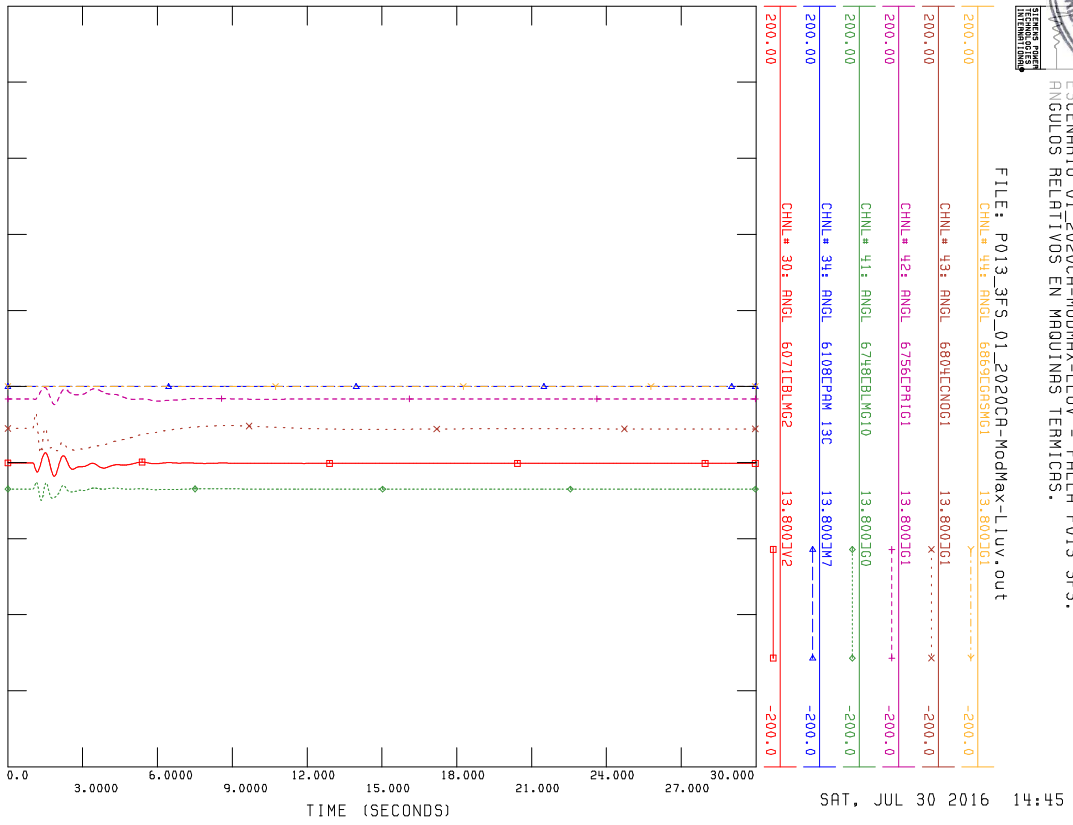
ESCENARIO 01_2020CR-MODMX-LUV - FALLA P012 3FS.
FRECUENCIAS.

FILE: P012_SFS_01_2020CR-ModMax-Luv.out





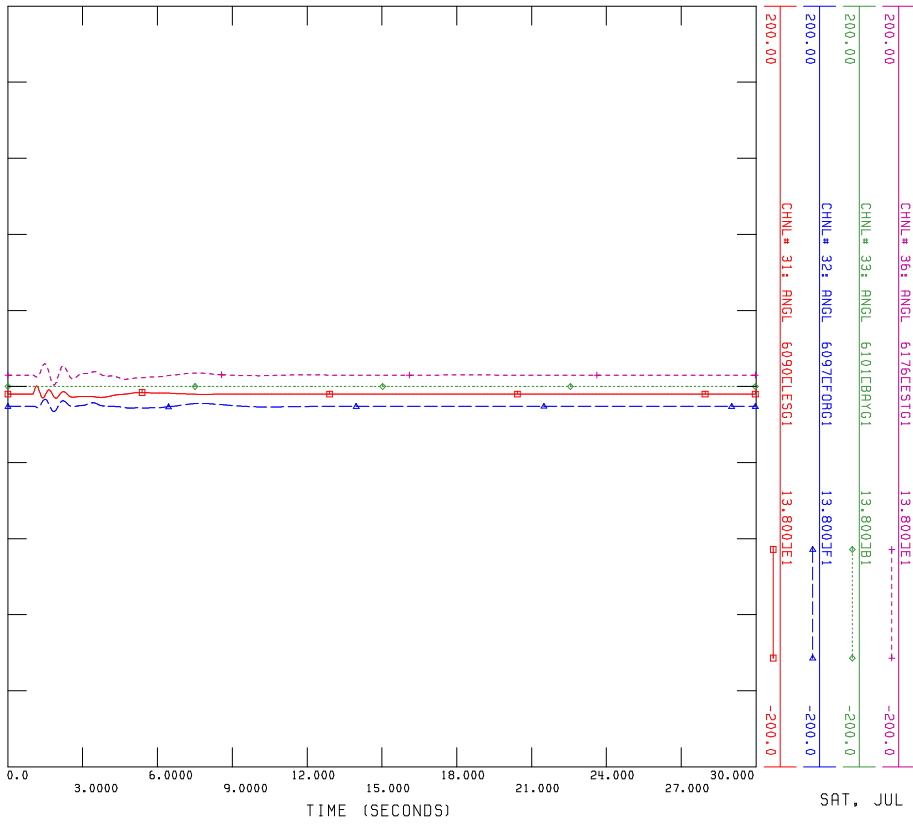






100
 50
 0
 -50
 -100
 -150
 -200
 -250
 -300
 -350
 -400
 -450
 -500
 -550
 -600
 -650
 -700
 -750
 -800
 -850
 -900
 -950
 -1000
 -1050
 -1100
 -1150
 -1200
 -1250
 -1300
 -1350
 -1400
 -1450
 -1500
 -1550
 -1600
 -1650
 -1700
 -1750
 -1800
 -1850
 -1900
 -1950
 -2000
 -2050
 -2100
 -2150
 -2200
 -2250
 -2300
 -2350
 -2400
 -2450
 -2500
 -2550
 -2600
 -2650
 -2700
 -2750
 -2800
 -2850
 -2900
 -2950
 -3000
 -3050
 -3100
 -3150
 -3200
 -3250
 -3300
 -3350
 -3400
 -3450
 -3500
 -3550
 -3600
 -3650
 -3700
 -3750
 -3800
 -3850
 -3900
 -3950
 -4000
 -4050
 -4100
 -4150
 -4200
 -4250
 -4300
 -4350
 -4400
 -4450
 -4500
 -4550
 -4600
 -4650
 -4700
 -4750
 -4800
 -4850
 -4900
 -4950
 -5000
 -5050
 -5100
 -5150
 -5200
 -5250
 -5300
 -5350
 -5400
 -5450
 -5500
 -5550
 -5600
 -5650
 -5700
 -5750
 -5800
 -5850
 -5900
 -5950
 -6000
 -6050
 -6100
 -6150
 -6200
 -6250
 -6300
 -6350
 -6400
 -6450
 -6500
 -6550
 -6600
 -6650
 -6700
 -6750
 -6800
 -6850
 -6900
 -6950
 -7000
 -7050
 -7100
 -7150
 -7200
 -7250
 -7300
 -7350
 -7400
 -7450
 -7500
 -7550
 -7600
 -7650
 -7700
 -7750
 -7800
 -7850
 -7900
 -7950
 -8000
 -8050
 -8100
 -8150
 -8200
 -8250
 -8300
 -8350
 -8400
 -8450
 -8500
 -8550
 -8600
 -8650
 -8700
 -8750
 -8800
 -8850
 -8900
 -8950
 -9000
 -9050
 -9100
 -9150
 -9200
 -9250
 -9300
 -9350
 -9400
 -9450
 -9500
 -9550
 -9600
 -9650
 -9700
 -9750
 -9800
 -9850
 -9900
 -9950
 -10000
 -10050
 -10100
 -10150
 -10200
 -10250
 -10300
 -10350
 -10400
 -10450
 -10500
 -10550
 -10600
 -10650
 -10700
 -10750
 -10800
 -10850
 -10900
 -10950
 -11000
 -11050
 -11100
 -11150
 -11200
 -11250
 -11300
 -11350
 -11400
 -11450
 -11500
 -11550
 -11600
 -11650
 -11700
 -11750
 -11800
 -11850
 -11900
 -11950
 -12000
 -12050
 -12100
 -12150
 -12200
 -12250
 -12300
 -12350
 -12400
 -12450
 -12500
 -12550
 -12600
 -12650
 -12700
 -12750
 -12800
 -12850
 -12900
 -12950
 -13000
 -13050
 -13100
 -13150
 -13200
 -13250
 -13300
 -13350
 -13400
 -13450
 -13500
 -13550
 -13600
 -13650
 -13700
 -13750
 -13800
 -13850
 -13900
 -13950
 -14000
 -14050
 -14100
 -14150
 -14200
 -14250
 -14300
 -14350
 -14400
 -14450
 -14500
 -14550
 -14600
 -14650
 -14700
 -14750
 -14800
 -14850
 -14900
 -14950
 -15000
 -15050
 -15100
 -15150
 -15200
 -15250
 -15300
 -15350
 -15400
 -15450
 -15500
 -15550
 -15600
 -15650
 -15700
 -15750
 -15800
 -15850
 -15900
 -15950
 -16000
 -16050
 -16100
 -16150
 -16200
 -16250
 -16300
 -16350
 -16400
 -16450
 -16500
 -16550
 -16600
 -16650
 -16700
 -16750
 -16800
 -16850
 -16900
 -16950
 -17000
 -17050
 -17100
 -17150
 -17200
 -17250
 -17300
 -17350
 -17400
 -17450
 -17500
 -17550
 -17600
 -17650
 -17700
 -17750
 -17800
 -17850
 -17900
 -17950
 -18000
 -18050
 -18100
 -18150
 -18200
 -18250
 -18300
 -18350
 -18400
 -18450
 -18500
 -18550
 -18600
 -18650
 -18700
 -18750
 -18800
 -18850
 -18900
 -18950
 -19000
 -19050
 -19100
 -19150
 -19200
 -19250
 -19300
 -19350
 -19400
 -19450
 -19500
 -19550
 -19600
 -19650
 -19700
 -19750
 -19800
 -19850
 -19900
 -19950
 -20000
 -20050
 -20100
 -20150
 -20200
 -20250
 -20300
 -20350
 -20400
 -20450
 -20500
 -20550
 -20600
 -20650
 -20700
 -20750
 -20800
 -20850
 -20900
 -20950
 -21000
 -21050
 -21100
 -21150
 -21200
 -21250
 -21300
 -21350
 -21400
 -21450
 -21500
 -21550
 -21600
 -21650
 -21700
 -21750
 -21800
 -21850
 -21900
 -21950
 -22000
 -22050
 -22100
 -22150
 -22200
 -22250
 -22300
 -22350
 -22400
 -22450
 -22500
 -22550
 -22600
 -22650
 -22700
 -22750
 -22800
 -22850
 -22900
 -22950
 -23000
 -23050
 -23100
 -23150
 -23200
 -23250
 -23300
 -23350
 -23400
 -23450
 -23500
 -23550
 -23600
 -23650
 -23700
 -23750
 -23800
 -23850
 -23900
 -23950
 -24000
 -24050
 -24100
 -24150
 -24200
 -24250
 -24300
 -24350
 -24400
 -24450
 -24500
 -24550
 -24600
 -24650
 -24700
 -24750
 -24800
 -24850
 -24900
 -24950
 -25000
 -25050
 -25100
 -25150
 -25200
 -25250
 -25300
 -25350
 -25400
 -25450
 -25500
 -25550
 -25600
 -25650
 -25700
 -25750
 -25800
 -25850
 -25900
 -25950
 -26000
 -26050
 -26100
 -26150
 -26200
 -26250
 -26300
 -26350
 -26400
 -26450
 -26500
 -26550
 -26600
 -26650
 -26700
 -26750
 -26800
 -26850
 -26900
 -26950
 -27000
 -27050
 -27100
 -27150
 -27200
 -27250
 -27300
 -27350
 -27400
 -27450
 -27500
 -27550
 -27600
 -27650
 -27700
 -27750
 -27800
 -27850
 -27900
 -27950
 -28000
 -28050
 -28100
 -28150
 -28200
 -28250
 -28300
 -28350
 -28400
 -28450
 -28500
 -28550
 -28600
 -28650
 -28700
 -28750
 -28800
 -28850
 -28900
 -28950
 -29000
 -29050
 -29100
 -29150
 -29200
 -29250
 -29300
 -29350
 -29400
 -29450
 -29500
 -29550
 -29600
 -29650
 -29700
 -29750
 -29800
 -29850
 -29900
 -29950
 -30000

ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P013 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.
 FILE: P013_SFS_01_2020CR-ModMax-LlUV.out



SAT, JUL 30 2016 14:45

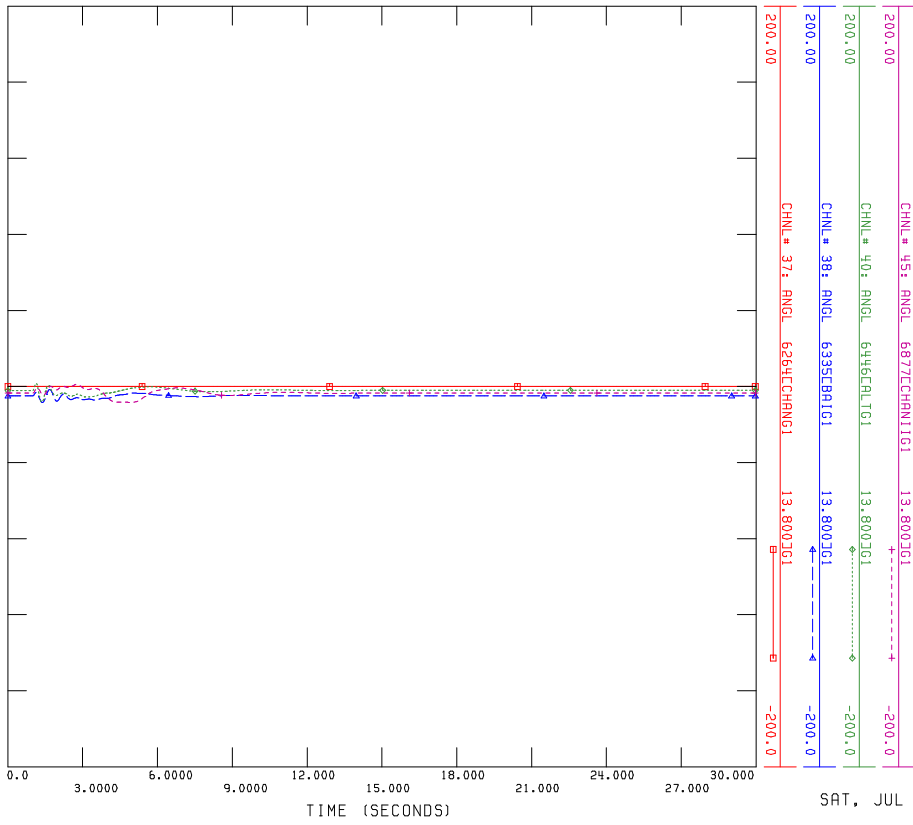
[Handwritten signature]



100.00
 50.00
 0.00
 -50.00
 -100.00

ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P013 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P013_3FS_01_2020CR-ModMax-LLuv.out



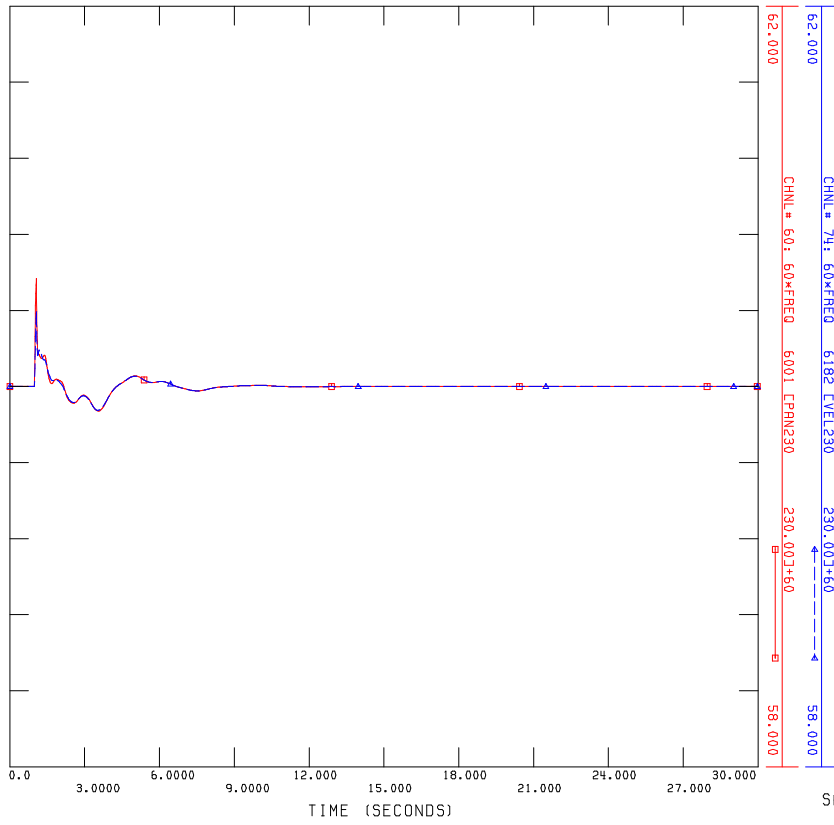
SAT, JUL 30 2016 14:45

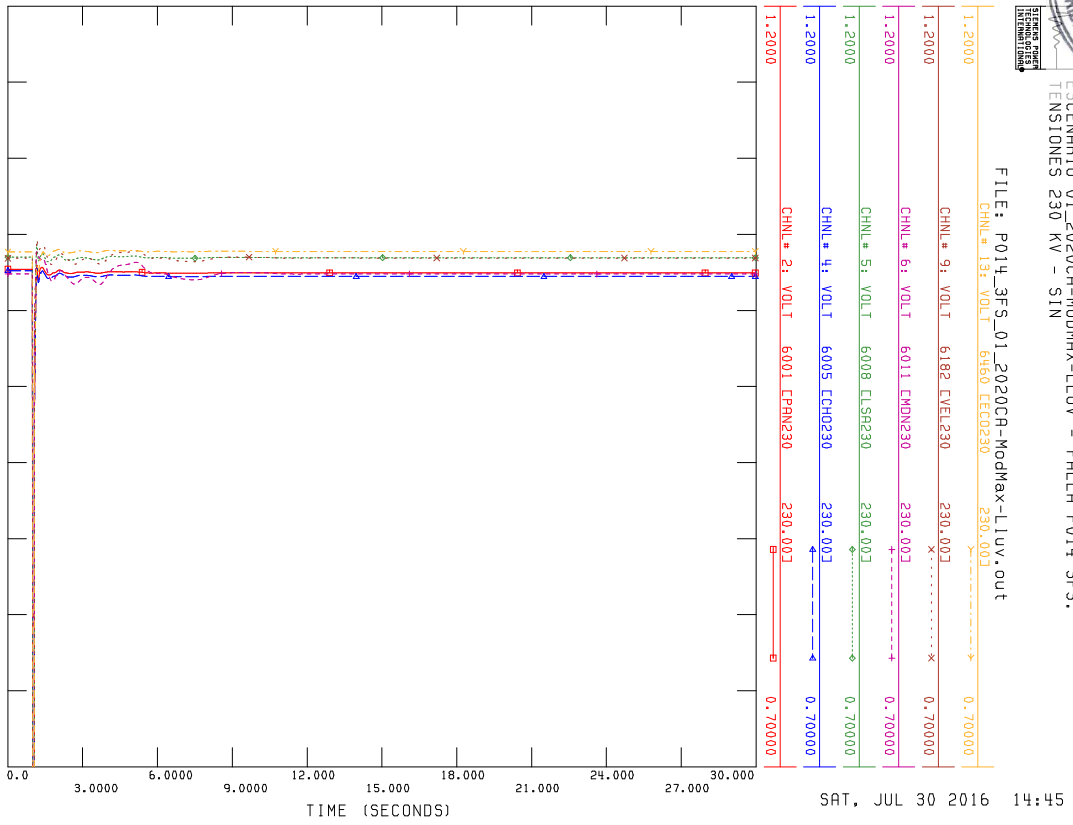


REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMX-LUV - FALLA P013 3FS.
FRECUENCIAS.

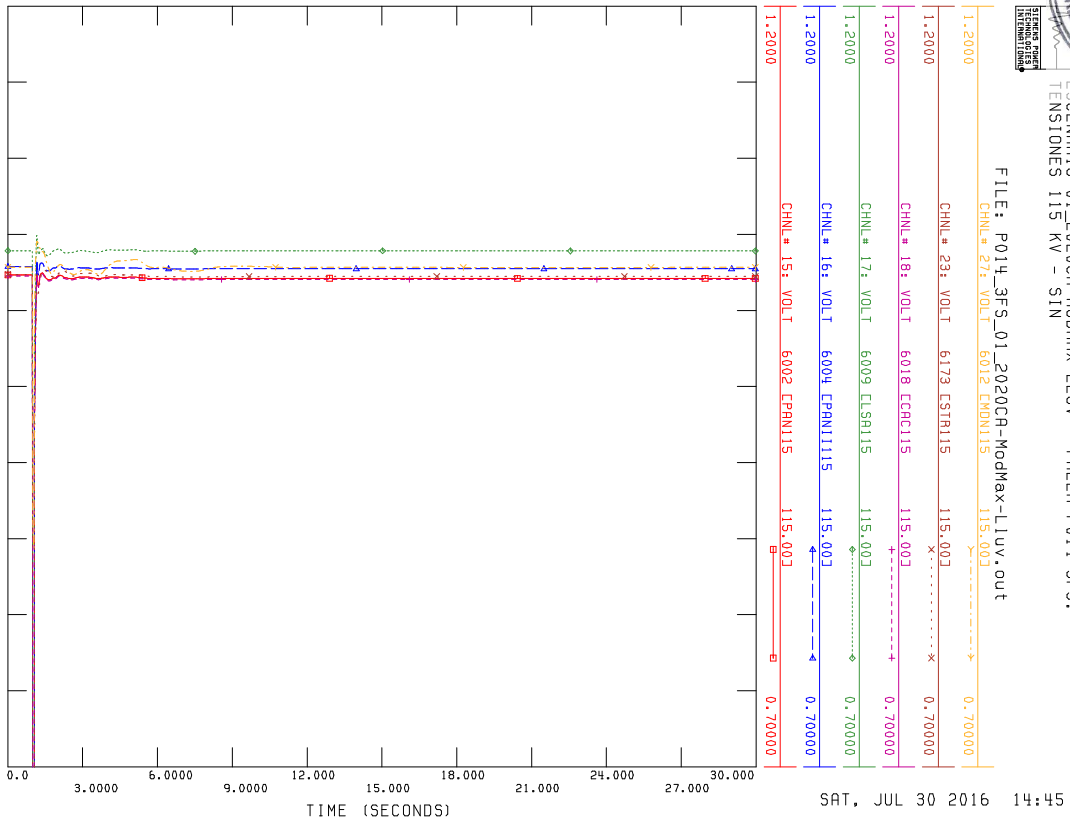
FILE: P013_3FS_01_2020CR-ModMax-Luv.out

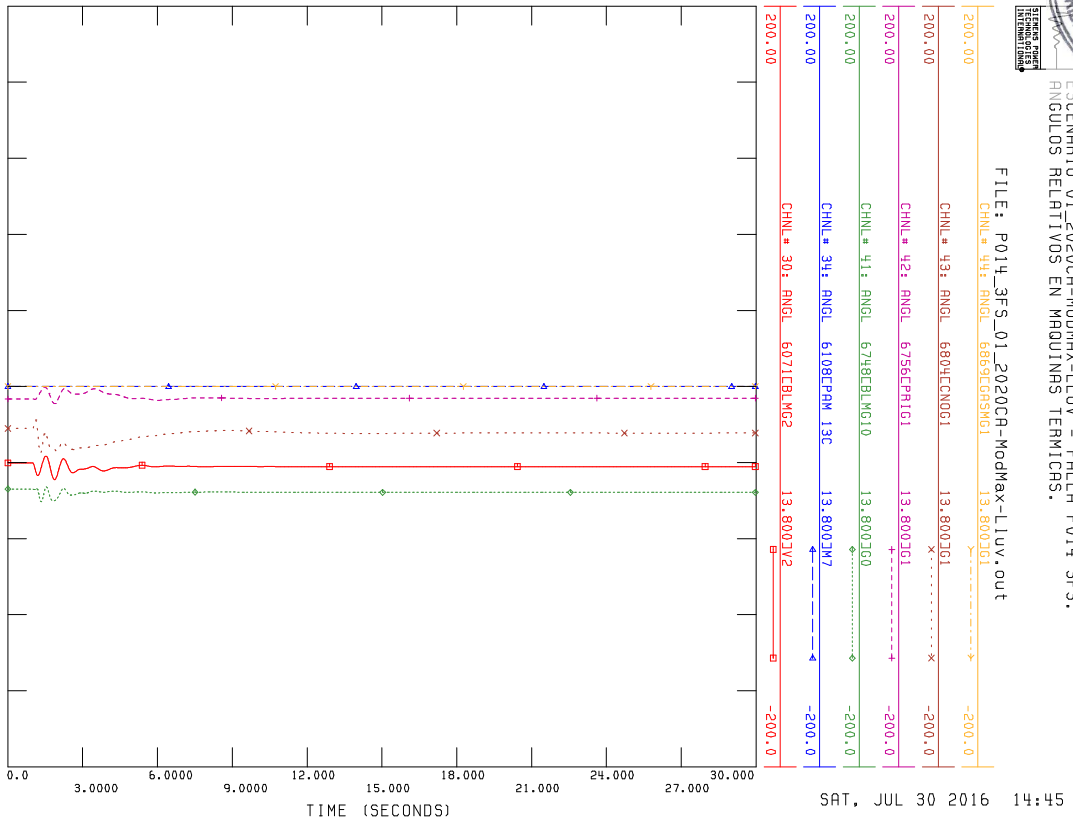






ESCENARIO 01_2020CR-MODMAX-LLUV - FALTA P014 3FS.
TENSIONES 115 KV - SIN

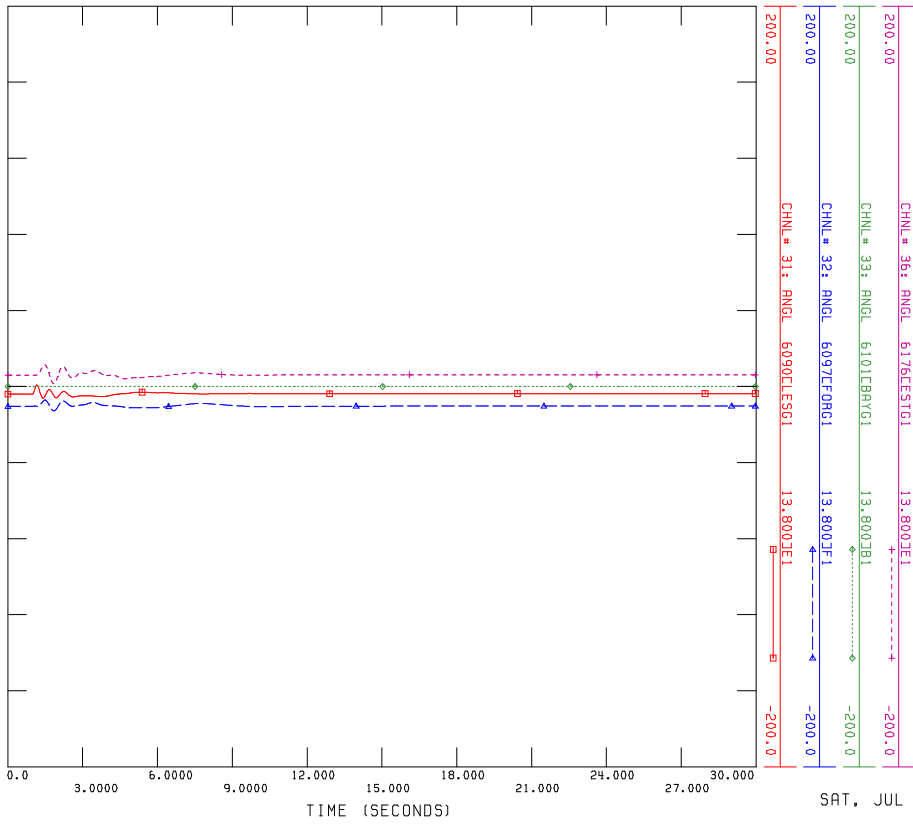






ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P014_3FS.
ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

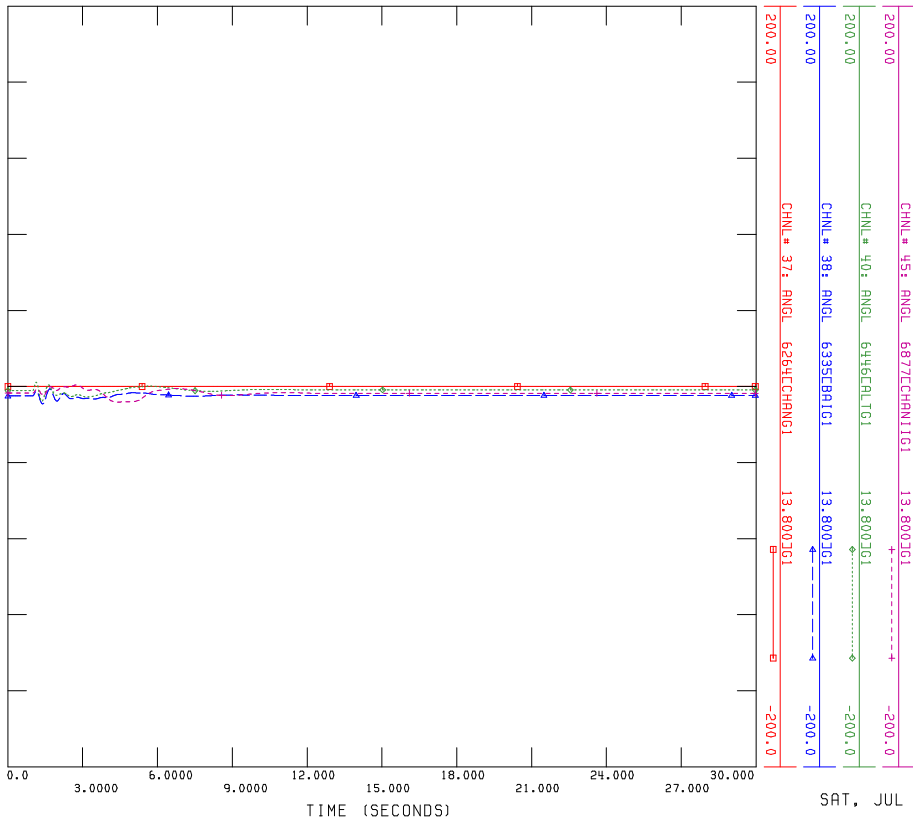
FILE: P014_SFS_01_2020CR-ModMax-LLuv.out





ESCENARIO 01_2020CR-MODMAX-LUV - FALLA P014_3FS.
ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P014_3FS_01_2020CR-ModMax-Luv.out

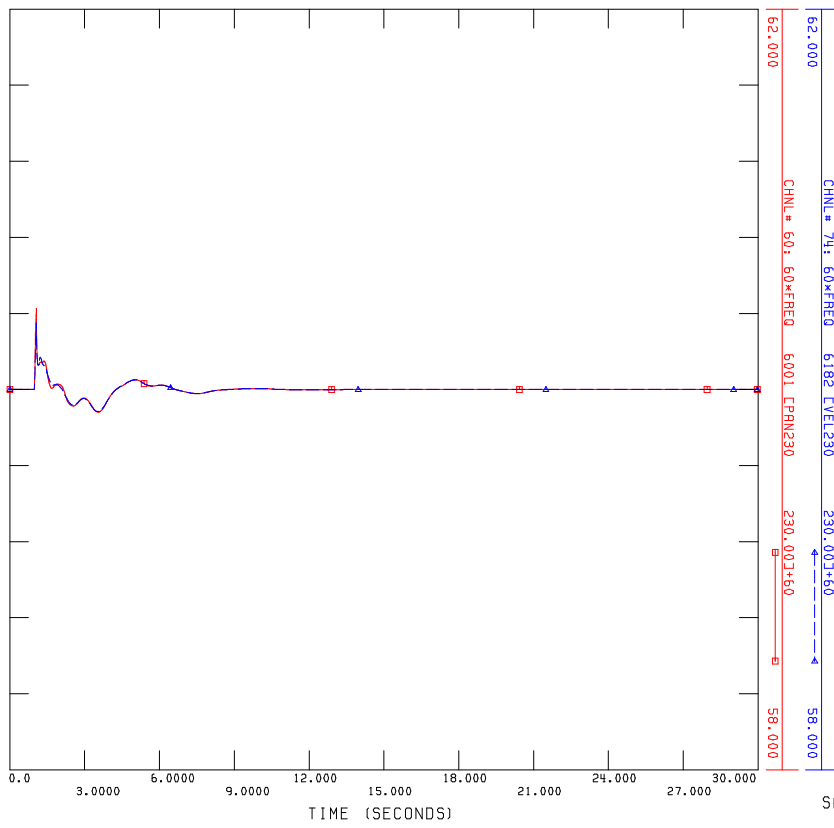


SAT, JUL 30 2016 14:45



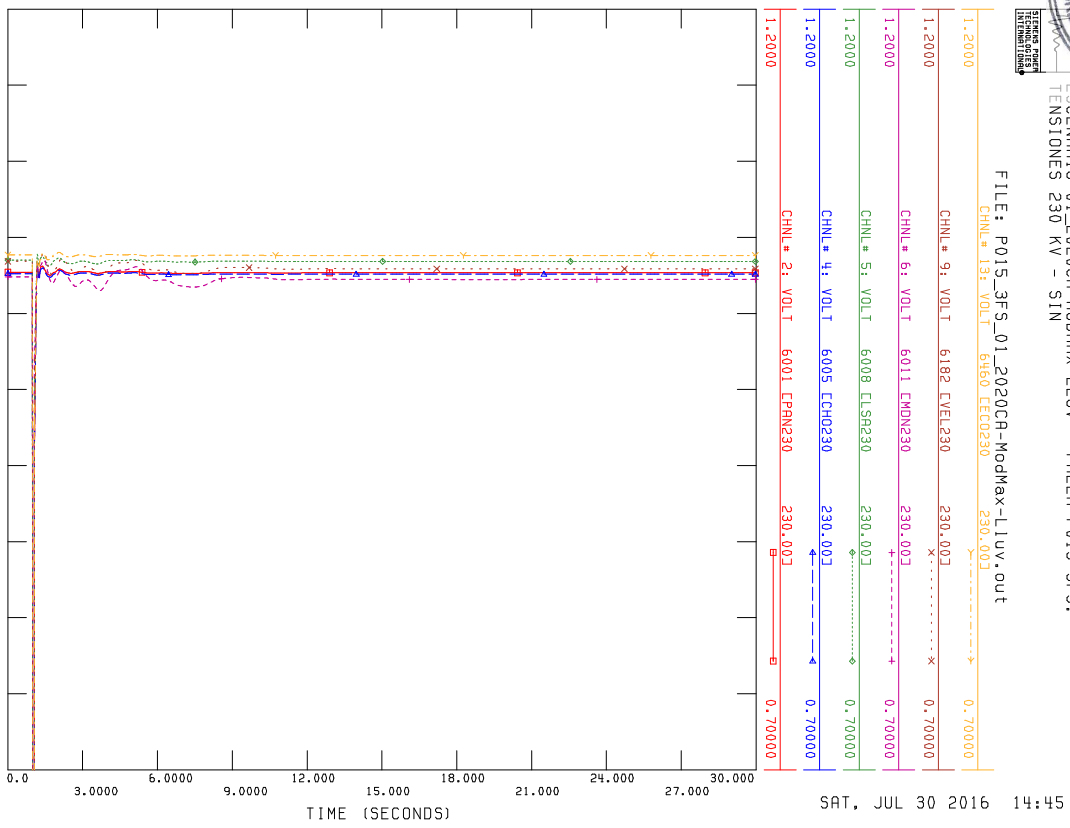
ESCENARIO 01_2020CR-MODMX-LUV - FALLA P014_3FS.
FRECUENCIAS.

FILE: P014_SFS_01_2020CR-ModMax-Luv.out



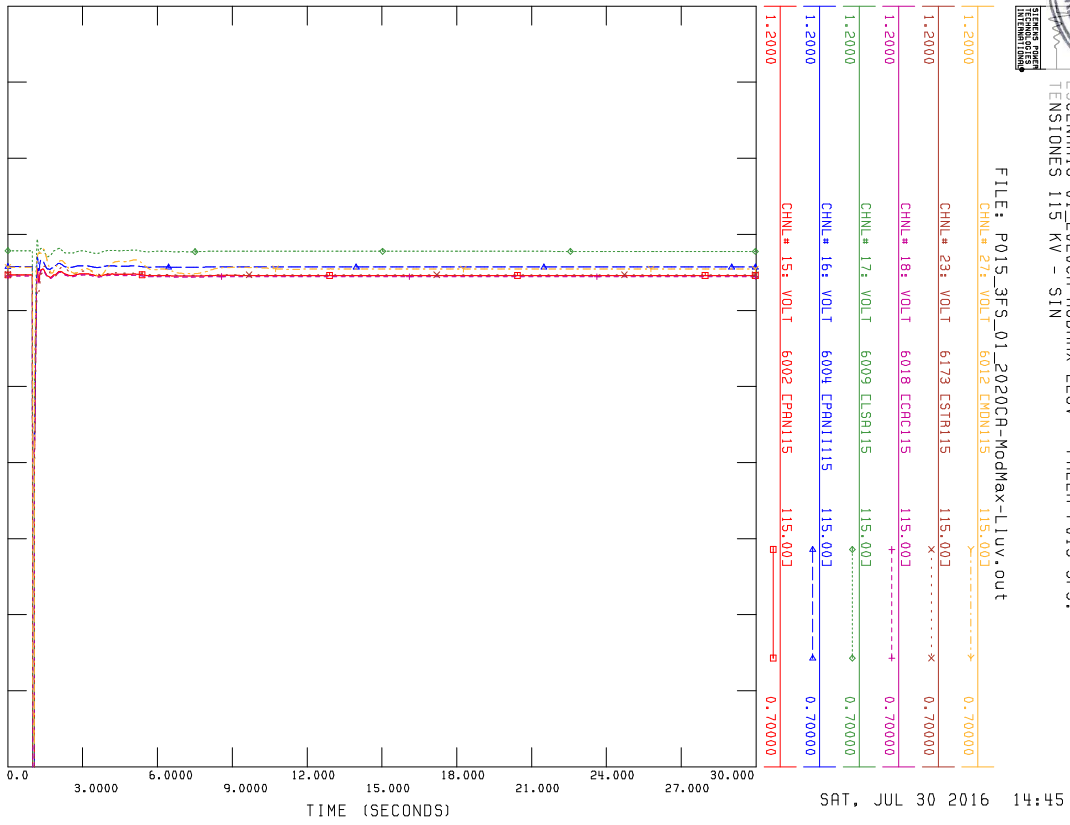


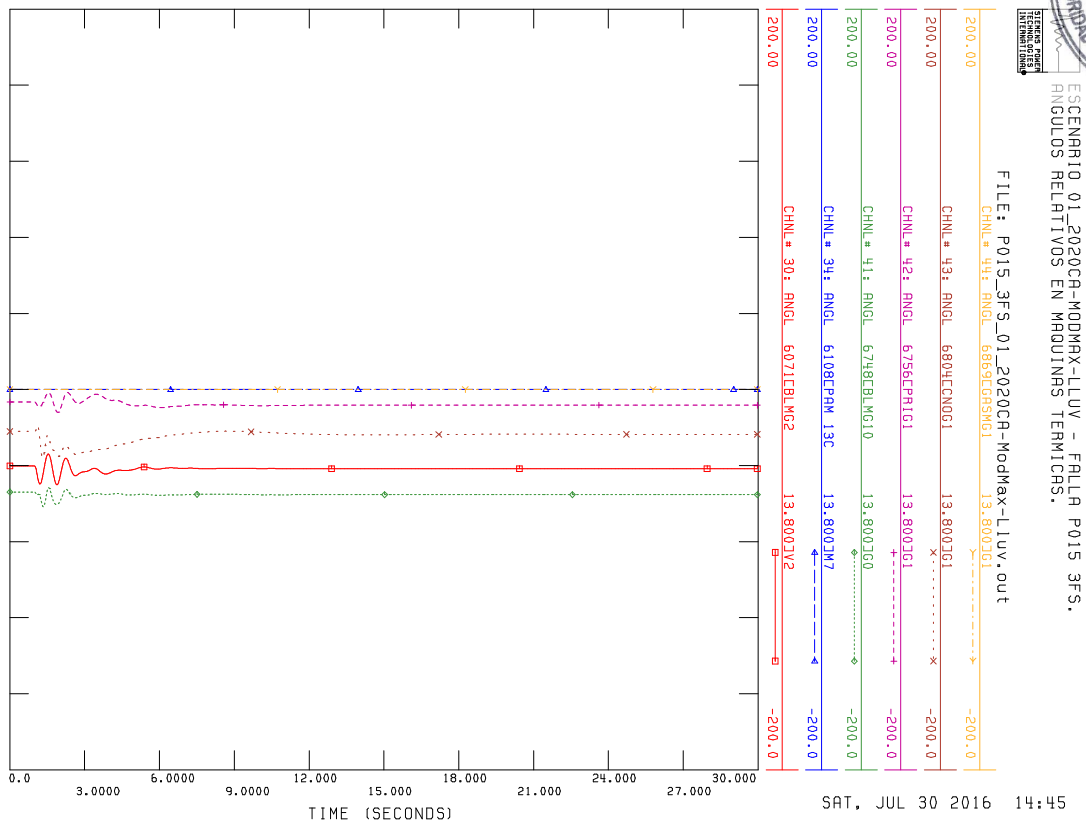
ESCENARIO 01_2020CR-MODMAX-LLUV - FILLA P015 3FS.
TENSIONES 230 KV - SIN

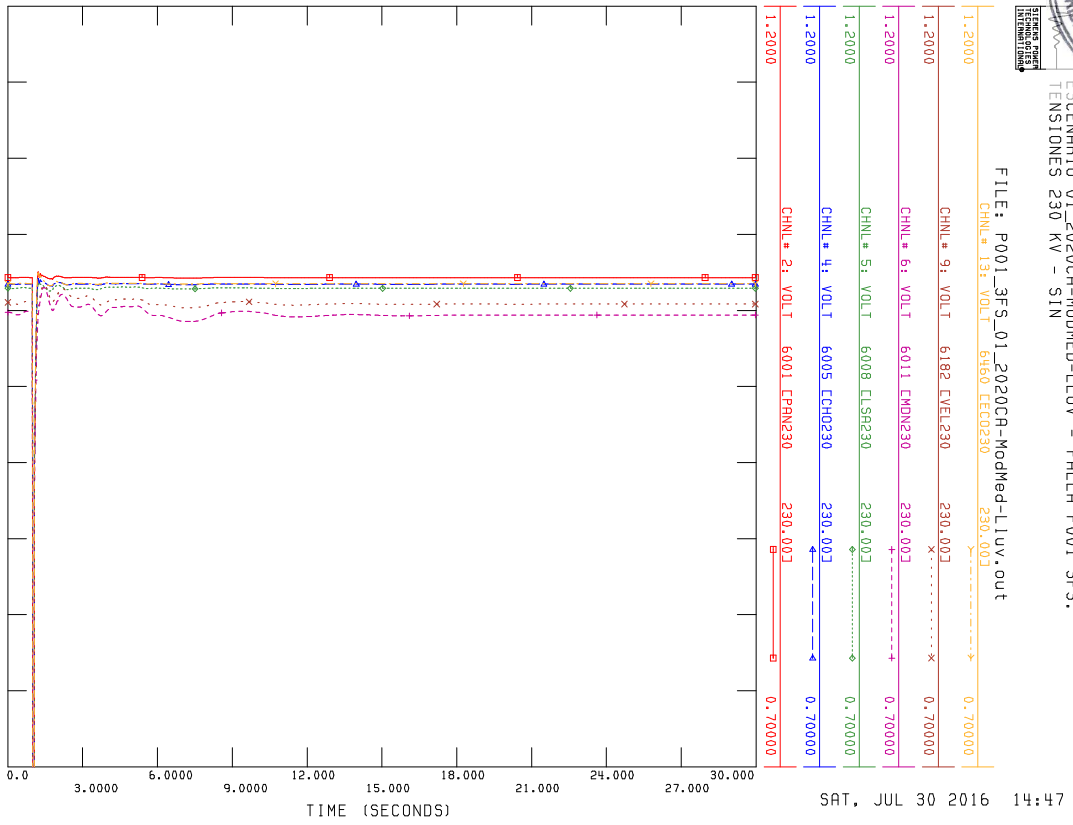


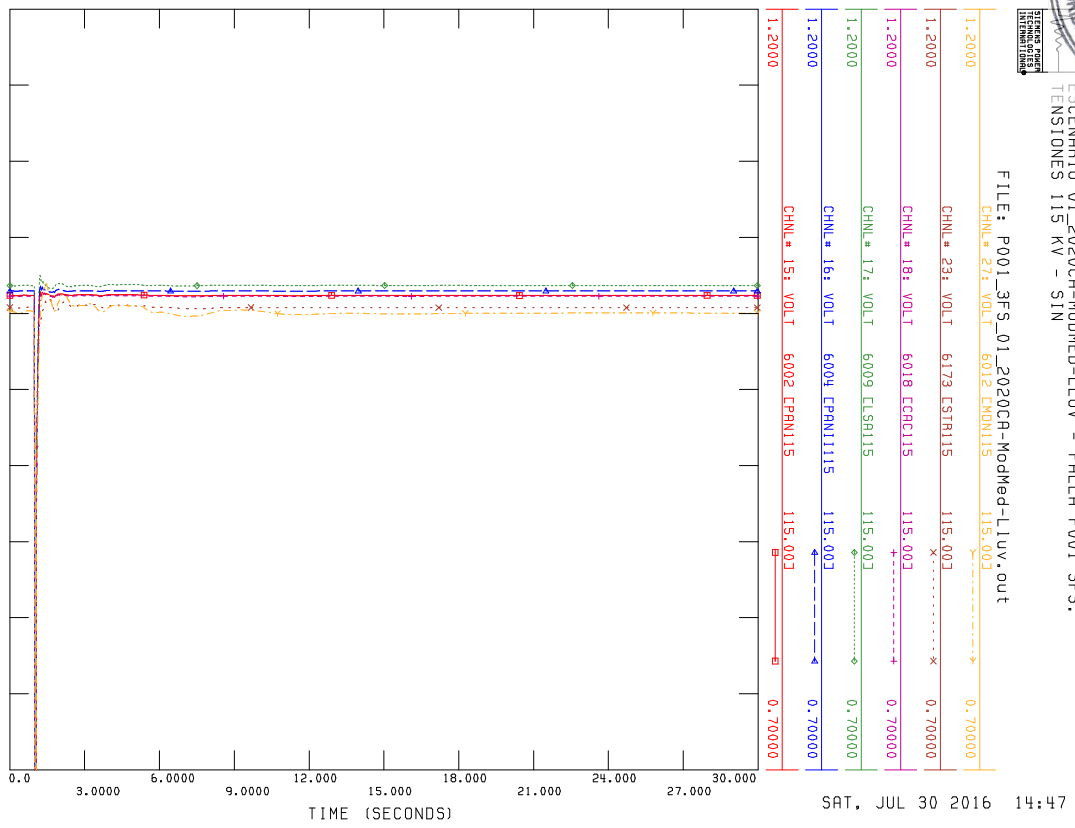


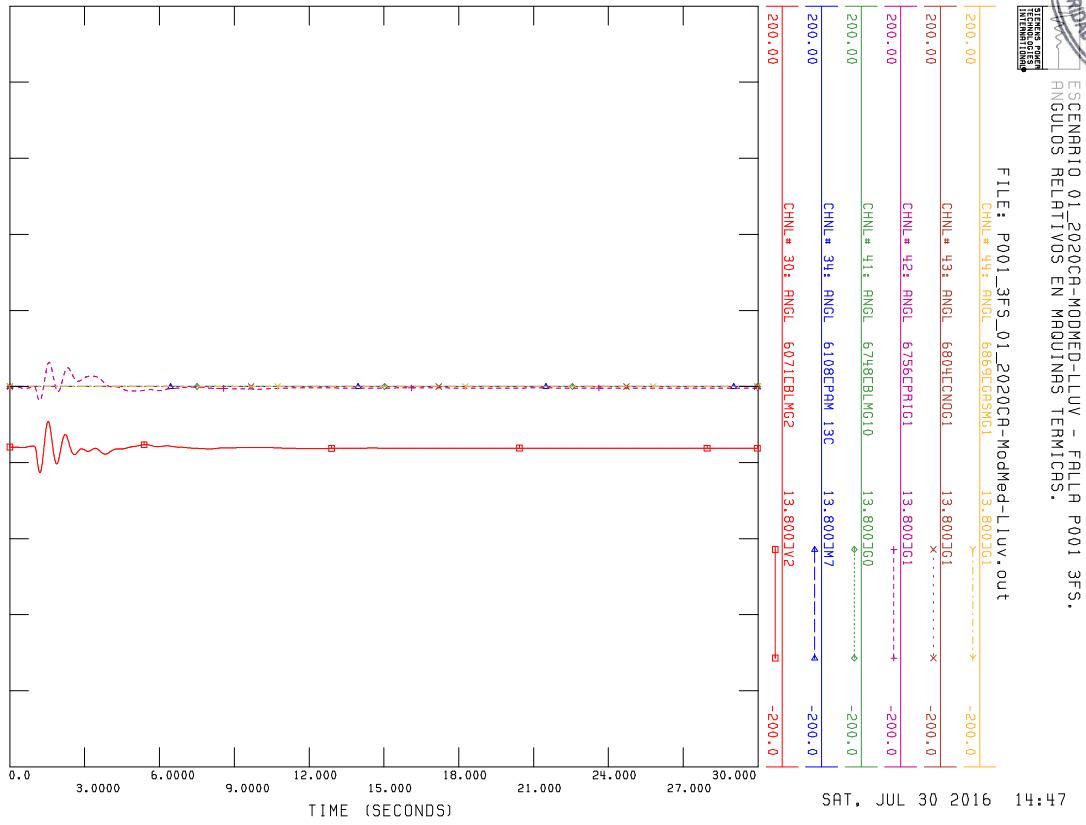
ESCENARIO 01_2020CR-MODMAX-LLUV - FALLA P015 3FS.
TENSIONES 115 KV - SIN







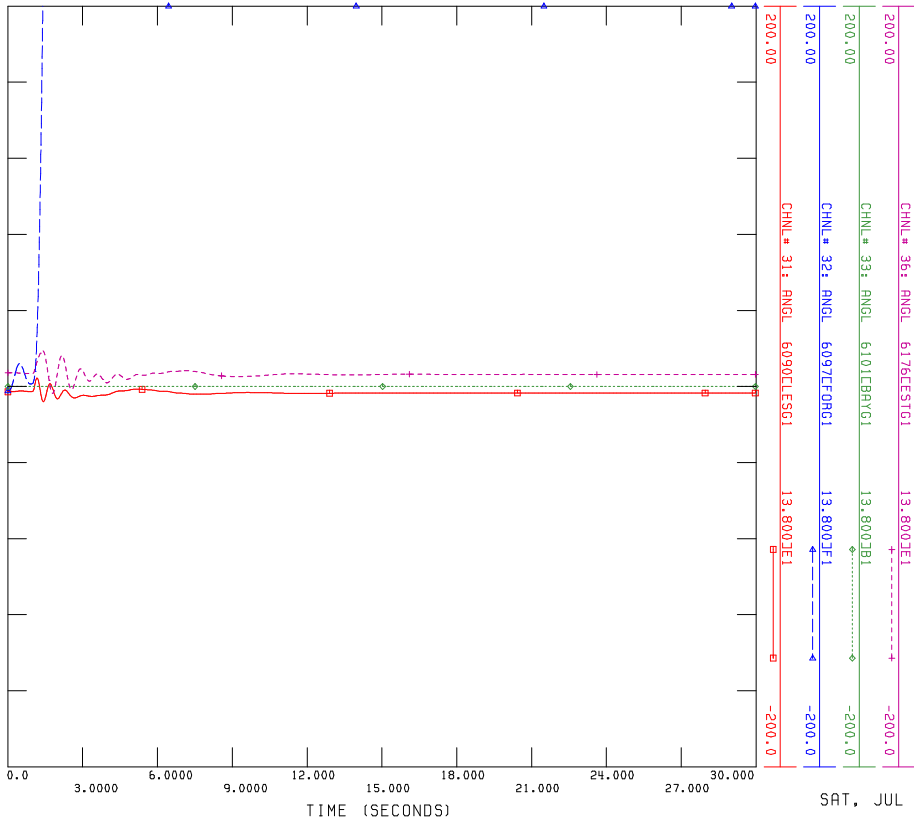






100000
 50000
 0
 -50000
 -100000
 -150000
 -200000
 -250000
 -300000
 -350000
 -400000
 -450000
 -500000
 -550000
 -600000
 -650000
 -700000
 -750000
 -800000
 -850000
 -900000
 -950000
 -1000000
 -1050000
 -1100000
 -1150000
 -1200000
 -1250000
 -1300000
 -1350000
 -1400000
 -1450000
 -1500000
 -1550000
 -1600000
 -1650000
 -1700000
 -1750000
 -1800000
 -1850000
 -1900000
 -1950000
 -2000000
 -2050000
 -2100000
 -2150000
 -2200000
 -2250000
 -2300000
 -2350000
 -2400000
 -2450000
 -2500000
 -2550000
 -2600000
 -2650000
 -2700000
 -2750000
 -2800000
 -2850000
 -2900000
 -2950000
 -3000000
 -3050000
 -3100000
 -3150000
 -3200000
 -3250000
 -3300000
 -3350000
 -3400000
 -3450000
 -3500000
 -3550000
 -3600000
 -3650000
 -3700000
 -3750000
 -3800000
 -3850000
 -3900000
 -3950000
 -4000000
 -4050000
 -4100000
 -4150000
 -4200000
 -4250000
 -4300000
 -4350000
 -4400000
 -4450000
 -4500000
 -4550000
 -4600000
 -4650000
 -4700000
 -4750000
 -4800000
 -4850000
 -4900000
 -4950000
 -5000000
 -5050000
 -5100000
 -5150000
 -5200000
 -5250000
 -5300000
 -5350000
 -5400000
 -5450000
 -5500000
 -5550000
 -5600000
 -5650000
 -5700000
 -5750000
 -5800000
 -5850000
 -5900000
 -5950000
 -6000000
 -6050000
 -6100000
 -6150000
 -6200000
 -6250000
 -6300000
 -6350000
 -6400000
 -6450000
 -6500000
 -6550000
 -6600000
 -6650000
 -6700000
 -6750000
 -6800000
 -6850000
 -6900000
 -6950000
 -7000000
 -7050000
 -7100000
 -7150000
 -7200000
 -7250000
 -7300000
 -7350000
 -7400000
 -7450000
 -7500000
 -7550000
 -7600000
 -7650000
 -7700000
 -7750000
 -7800000
 -7850000
 -7900000
 -7950000
 -8000000
 -8050000
 -8100000
 -8150000
 -8200000
 -8250000
 -8300000
 -8350000
 -8400000
 -8450000
 -8500000
 -8550000
 -8600000
 -8650000
 -8700000
 -8750000
 -8800000
 -8850000
 -8900000
 -8950000
 -9000000
 -9050000
 -9100000
 -9150000
 -9200000
 -9250000
 -9300000
 -9350000
 -9400000
 -9450000
 -9500000
 -9550000
 -9600000
 -9650000
 -9700000
 -9750000
 -9800000
 -9850000
 -9900000
 -9950000
 -10000000

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P001 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.
 FILE: P001_SFS_01_2020CR-ModMed-LLuv.out

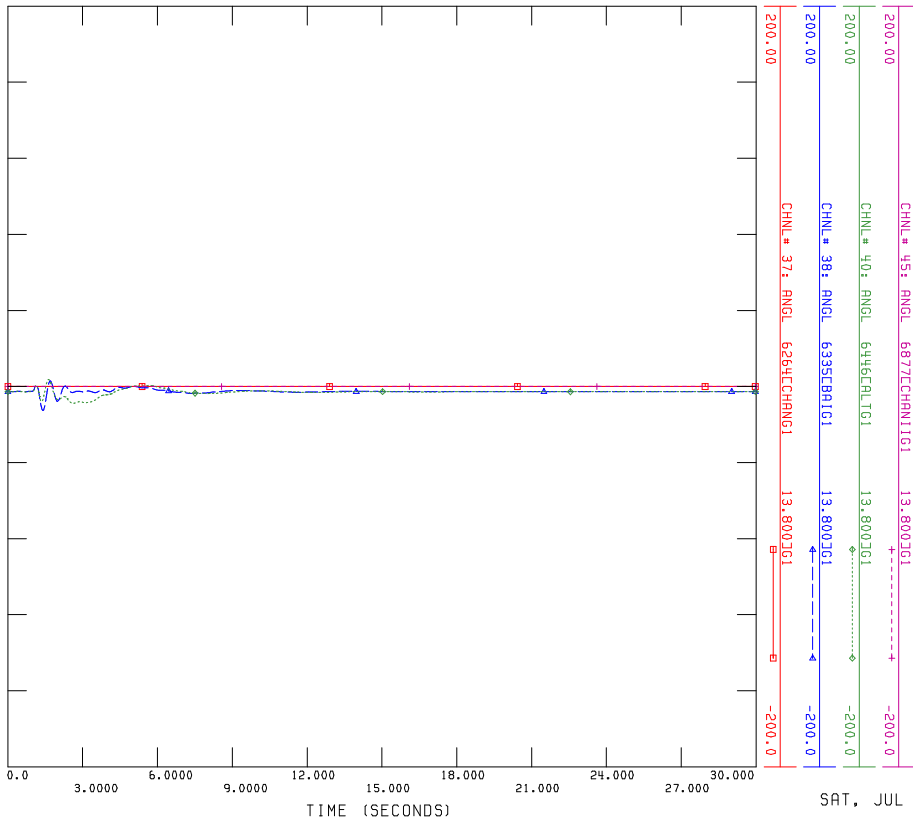


SAT, JUL 30 2016 14:47



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P001 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P001_3FS_01_2020CR-MODMED-LLUV.out



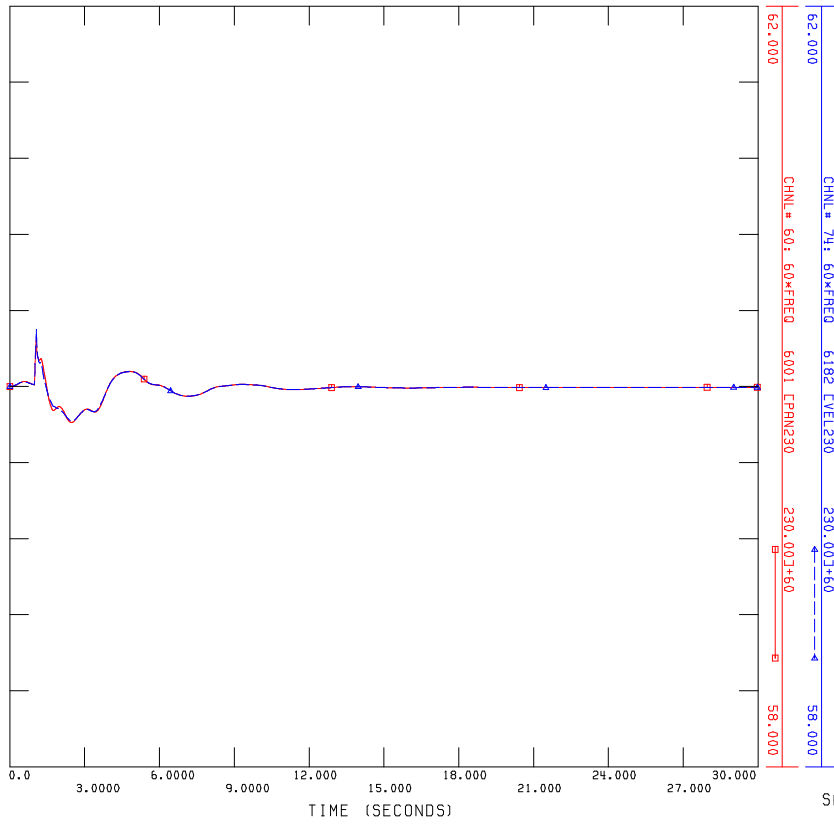
SAT, JUL 30 2016 14:47



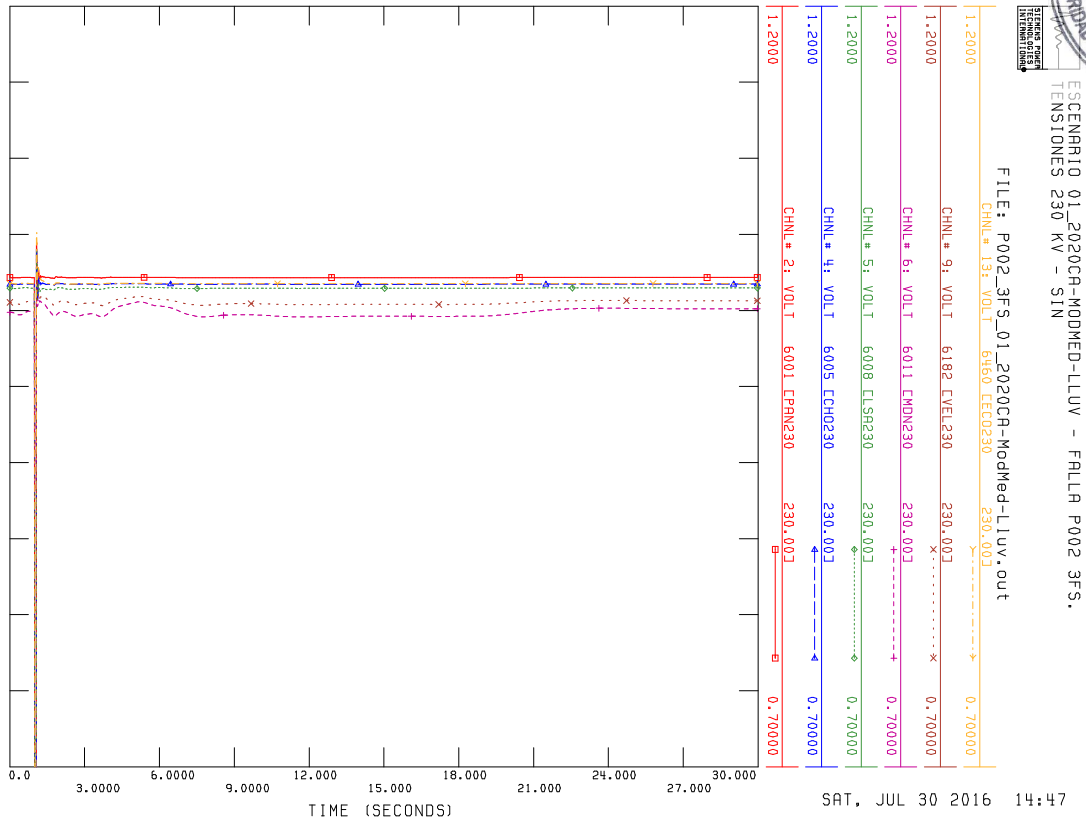
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

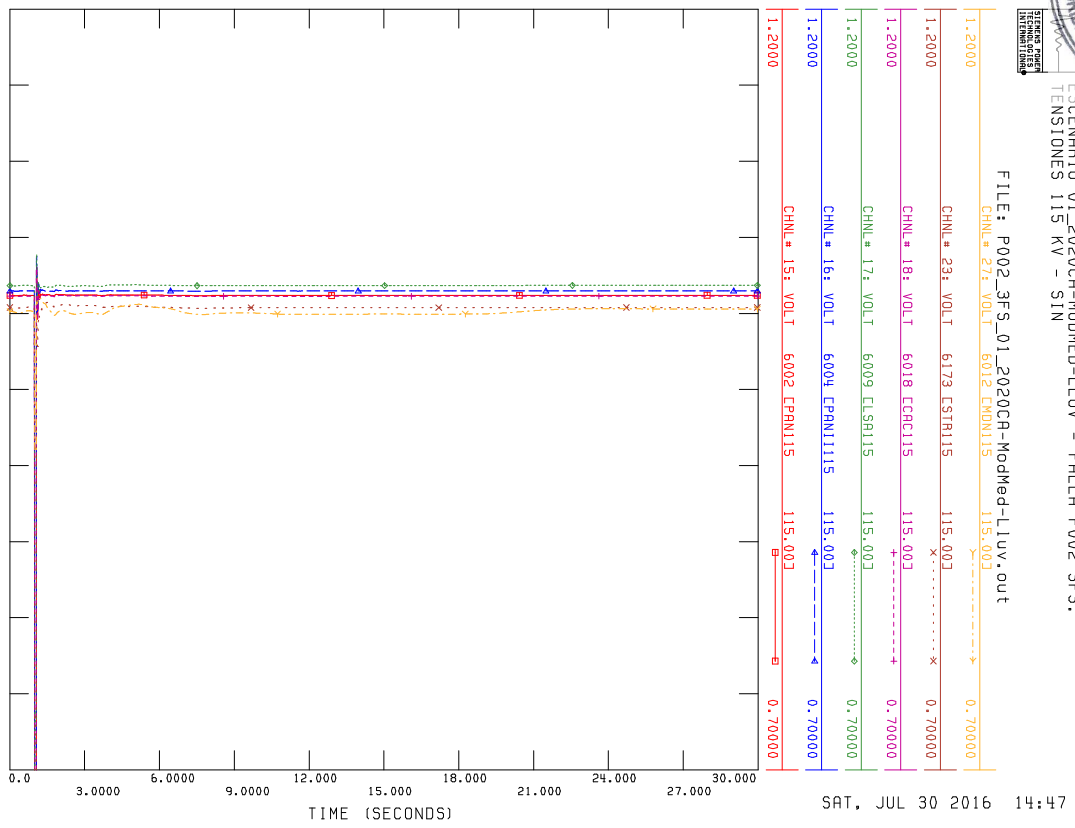
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P001 3FS.
FRECUENCIAS.

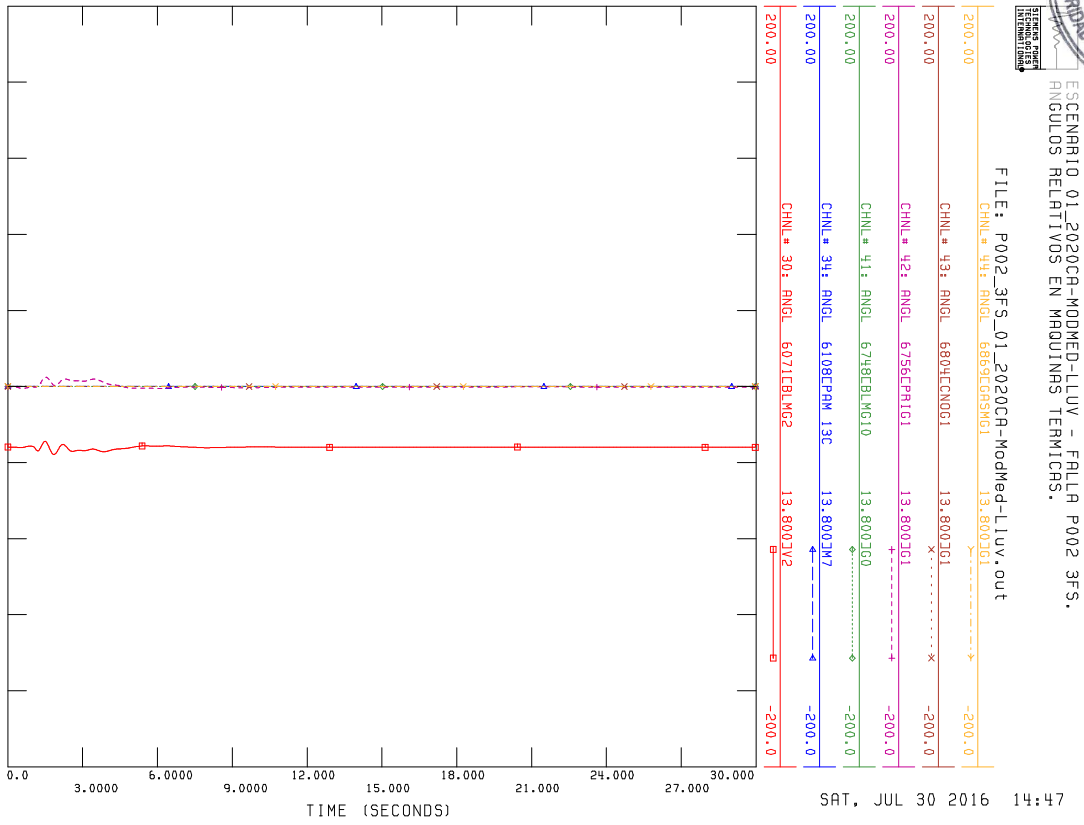
FILE: P001_SFS_01_2020CR-ModMed-Lluv.out



SAT, JUL 30 2016 14:47



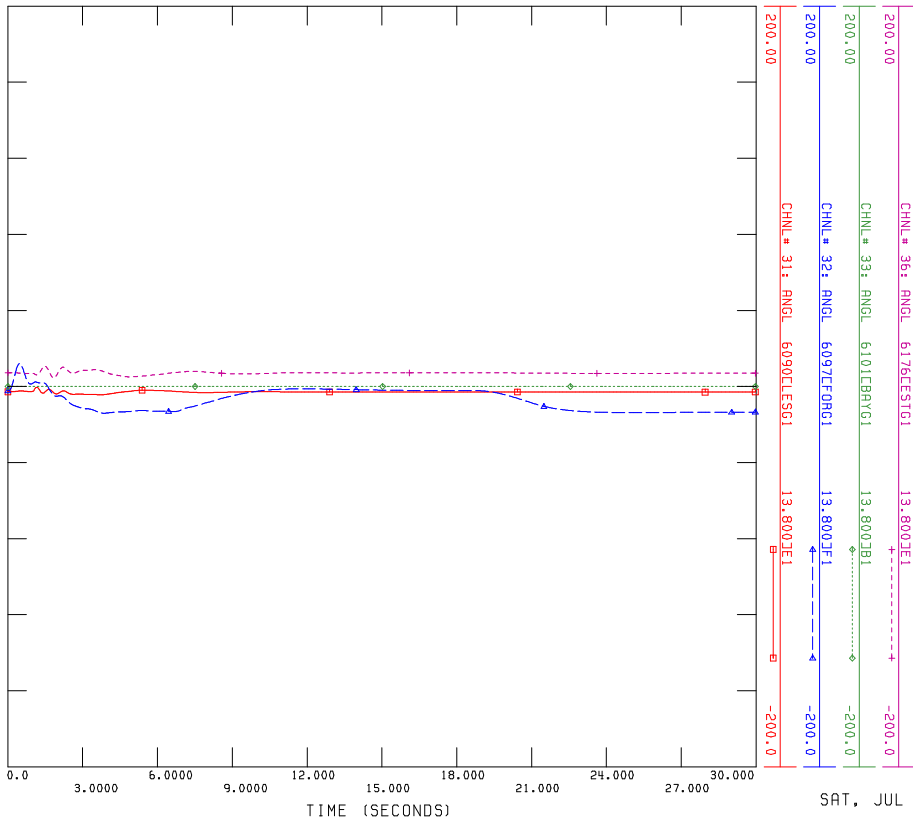






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P002 3FS.
ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P002_SFS_01_2020CR-ModMed-LLuv.out

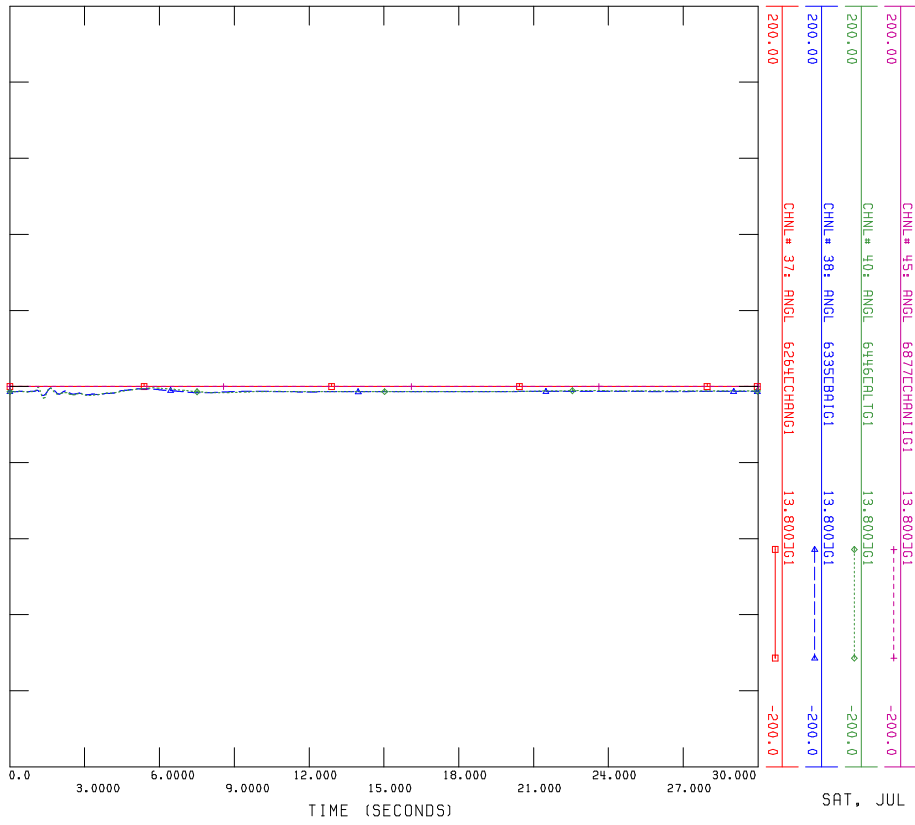


SAT, JUL 30 2016 14:47



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P002 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P002_3FS_01_2020CR-ModMed-LLuv.out



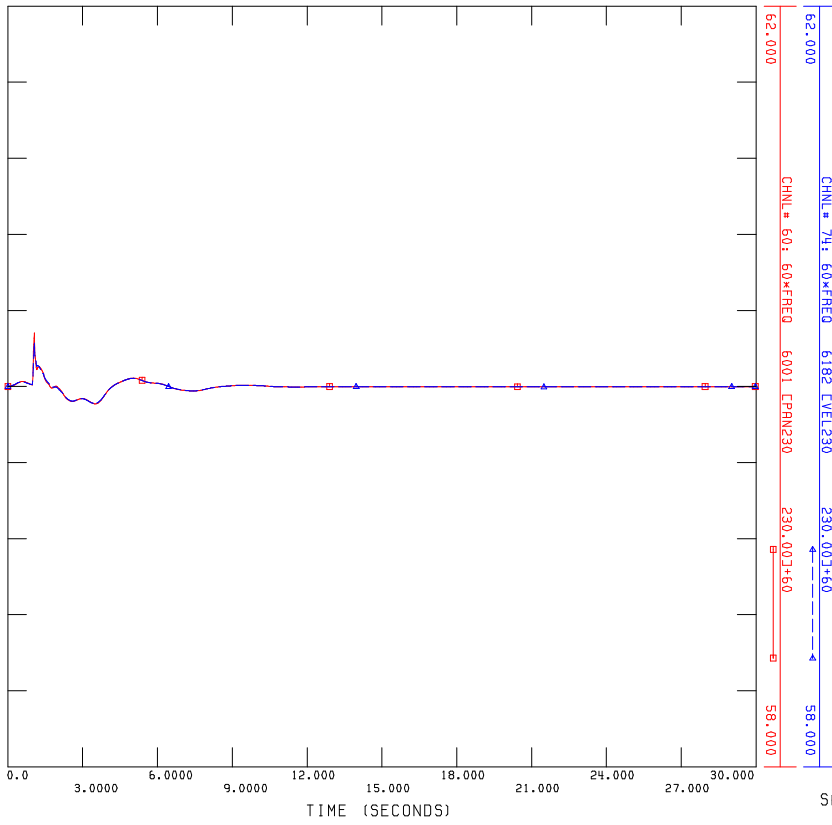
SAT, JUL 30 2016 14:47



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

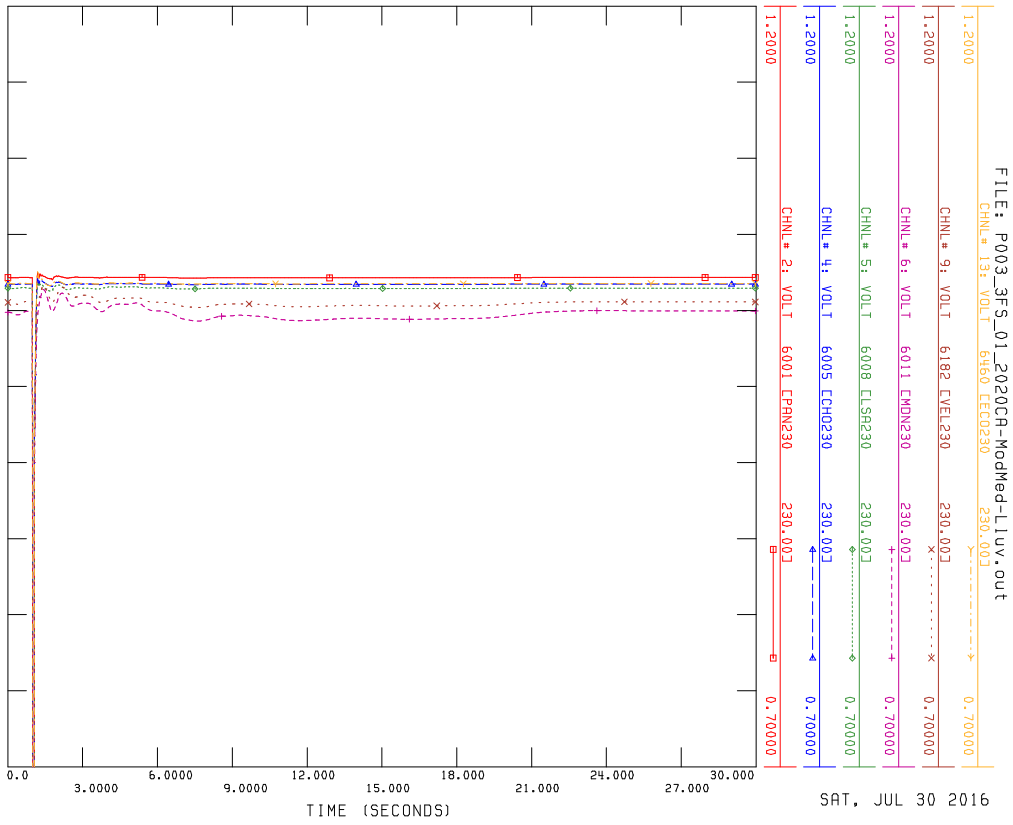
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P002 3FS.
FRECUENCIAS.

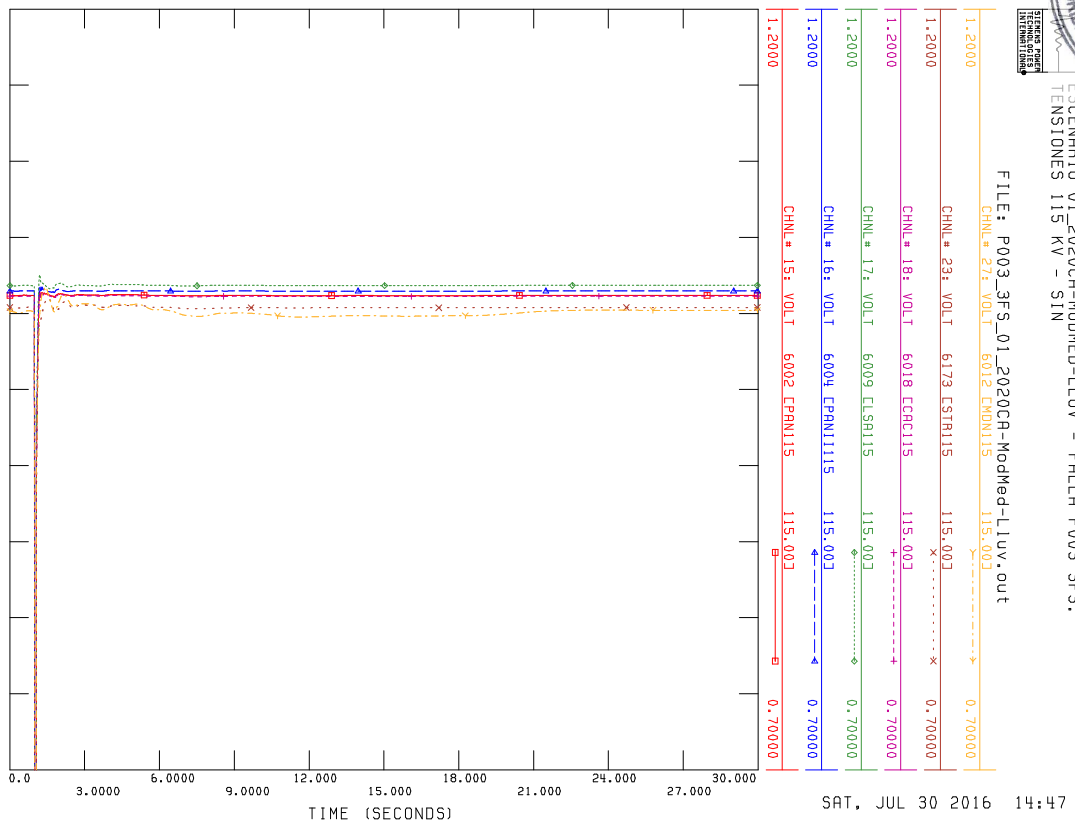
FILE: P002_SFS_01_2020CR-ModMed-LLuv.out





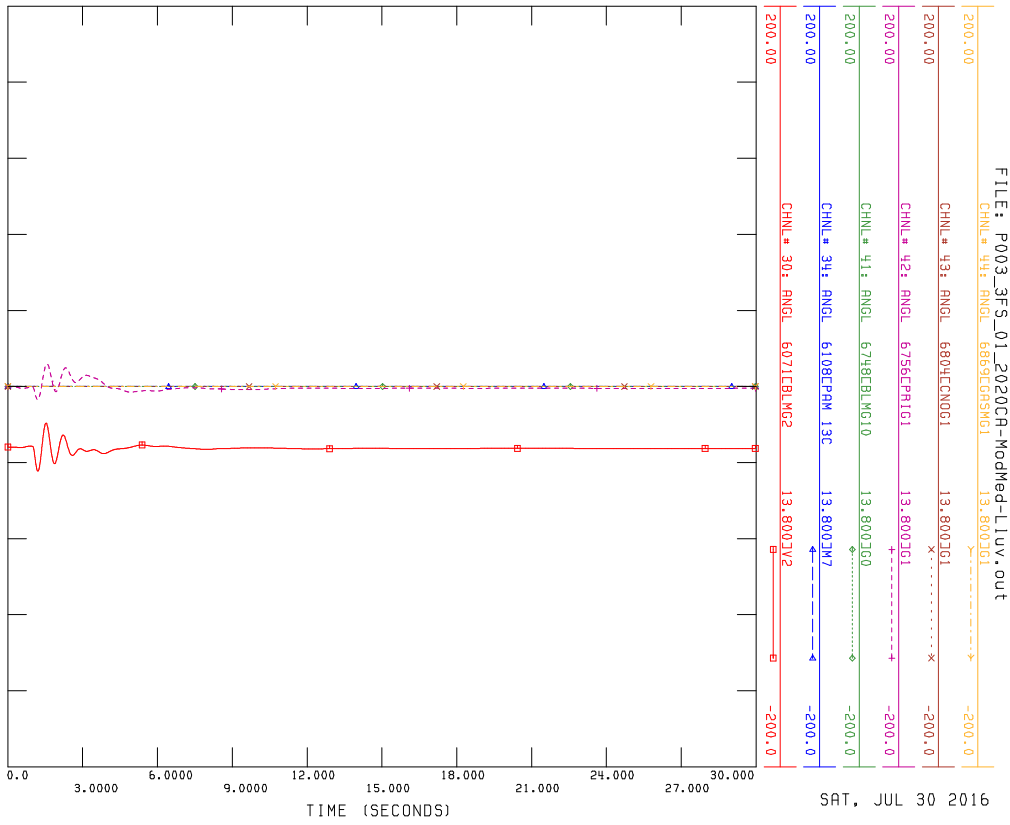
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P003 3FS.
TENSIONES 230 KV - SIN







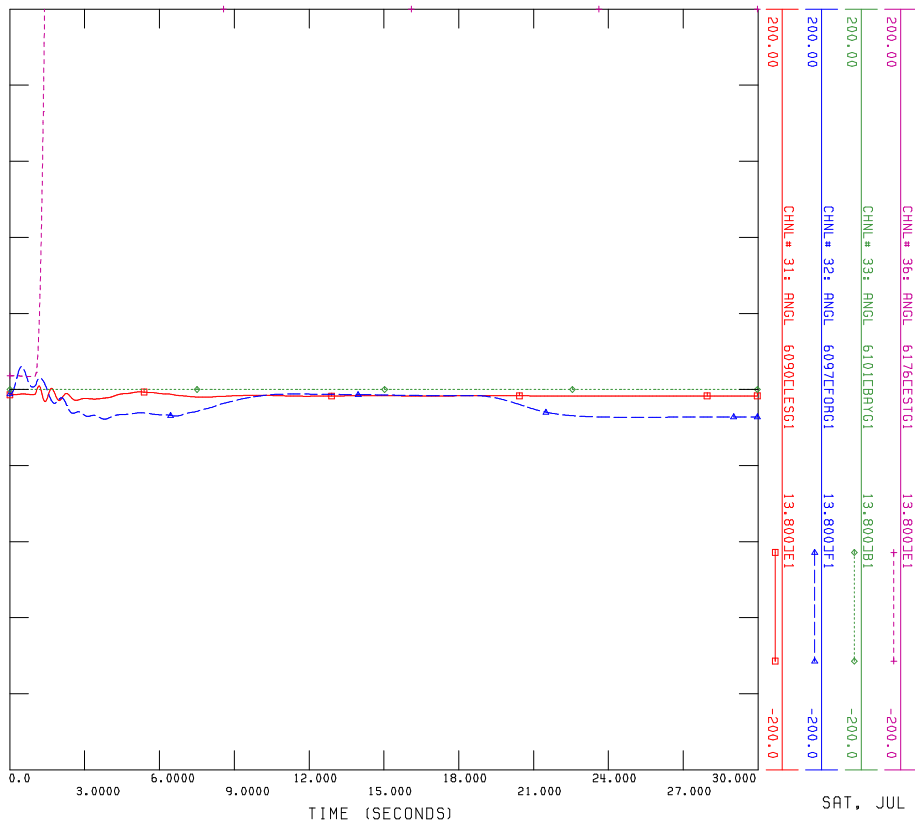
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P003 3FS.
 ANGULOS RELATIVOS EN MOJUNRS TERMICRS.





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P003 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

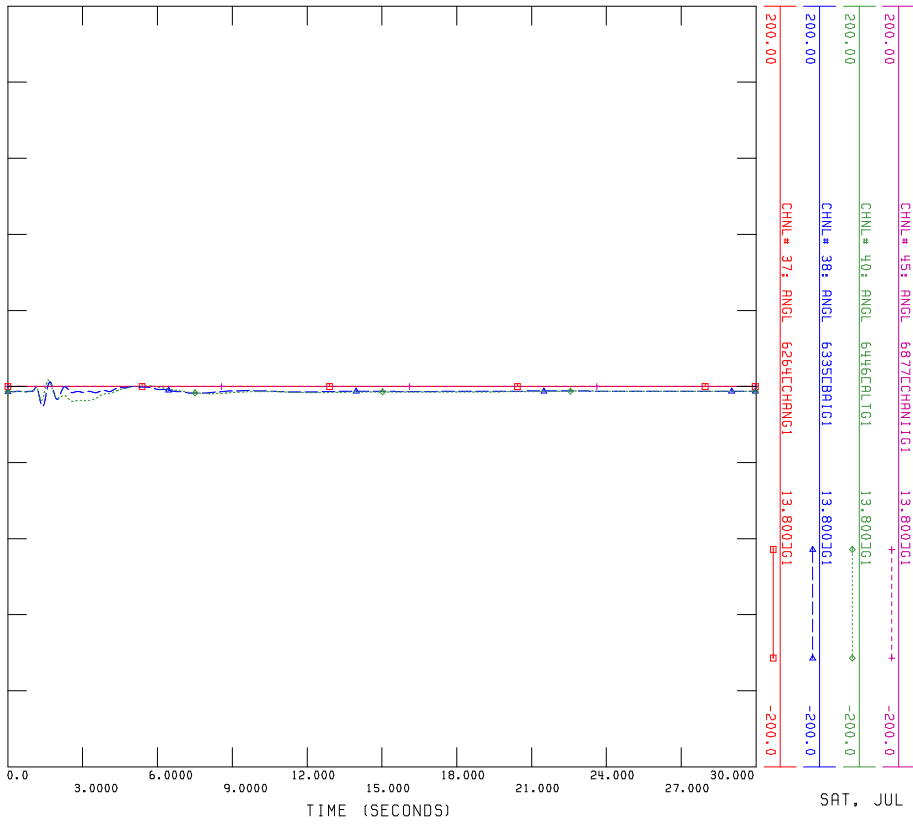
FILE: P003_3FS_01_2020CR-ModMed-LLuv.out





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P003 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P003_3FS_01_2020CR-ModMed-LLuv.out



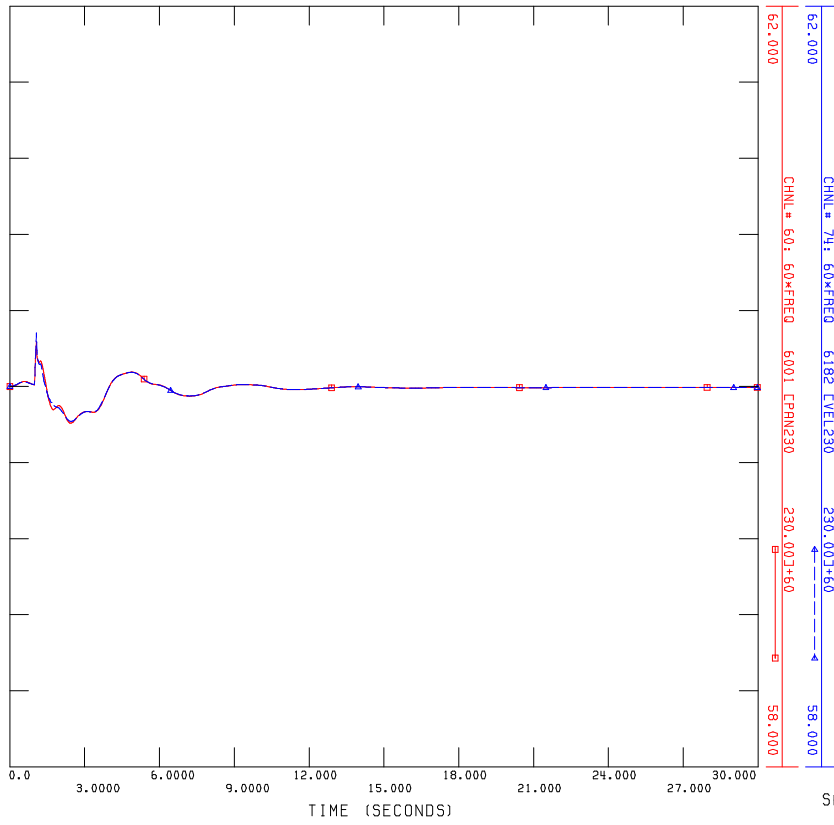
SAT, JUL 30 2016 14:47

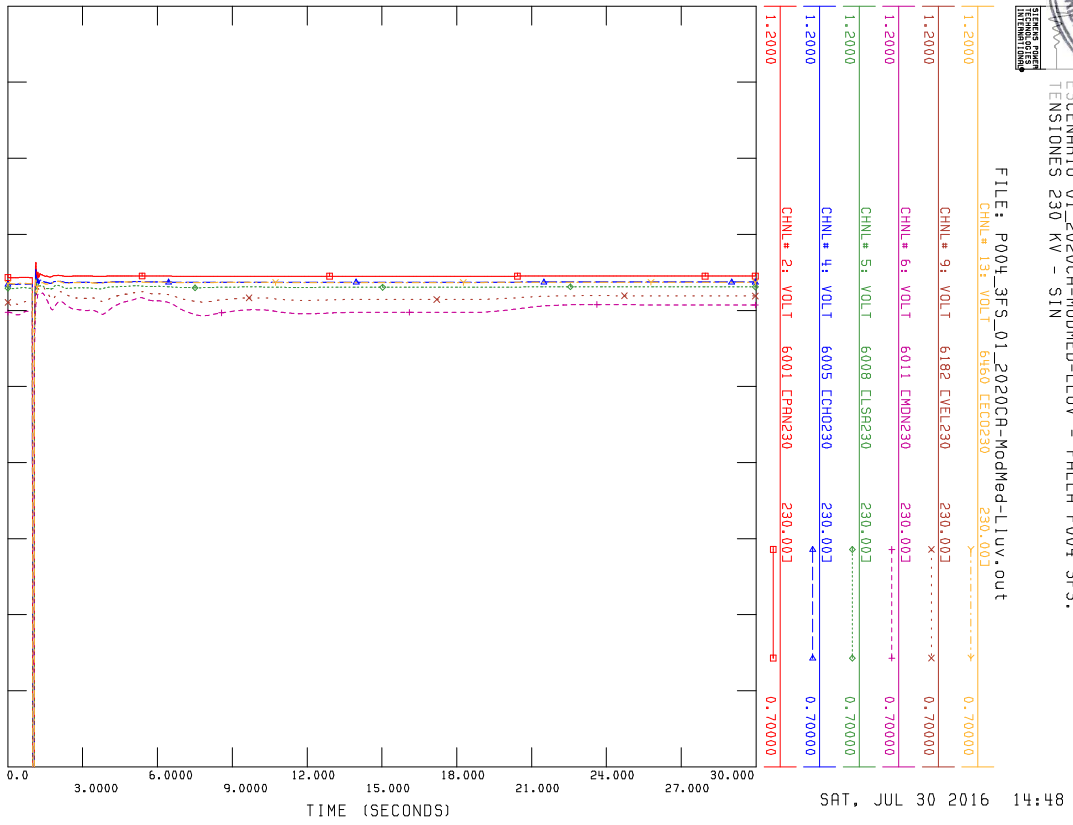


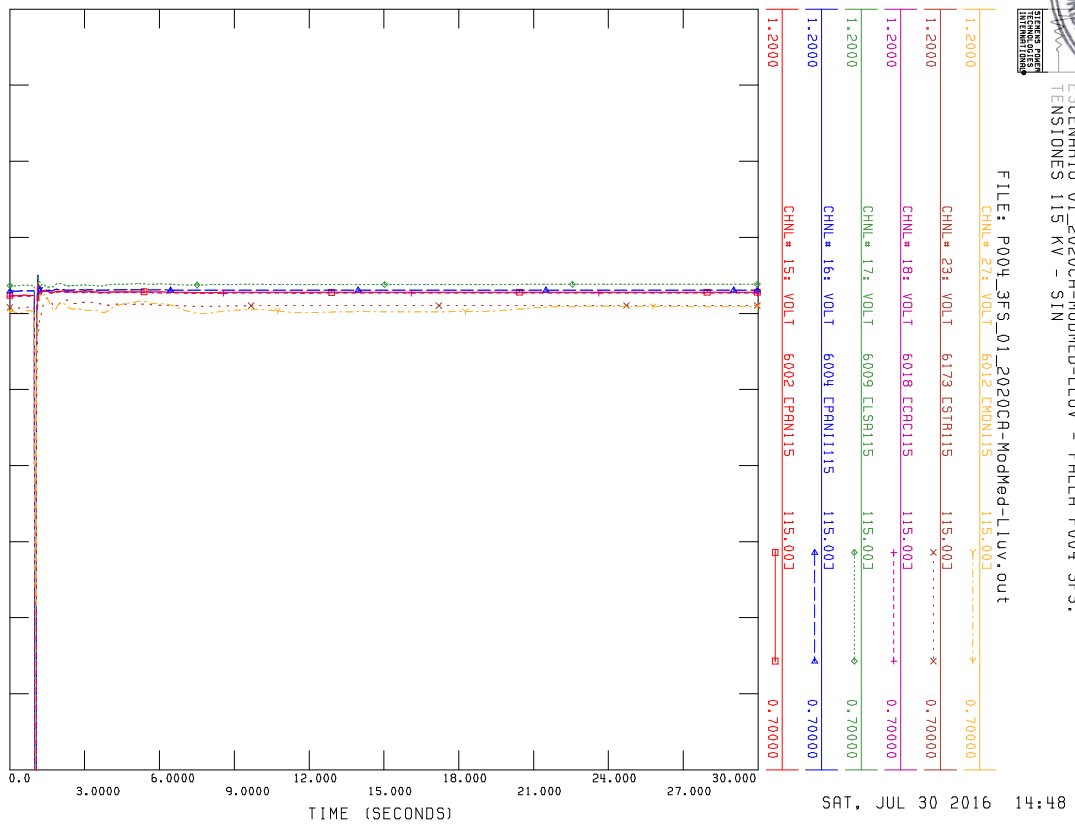
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PUBLICOS

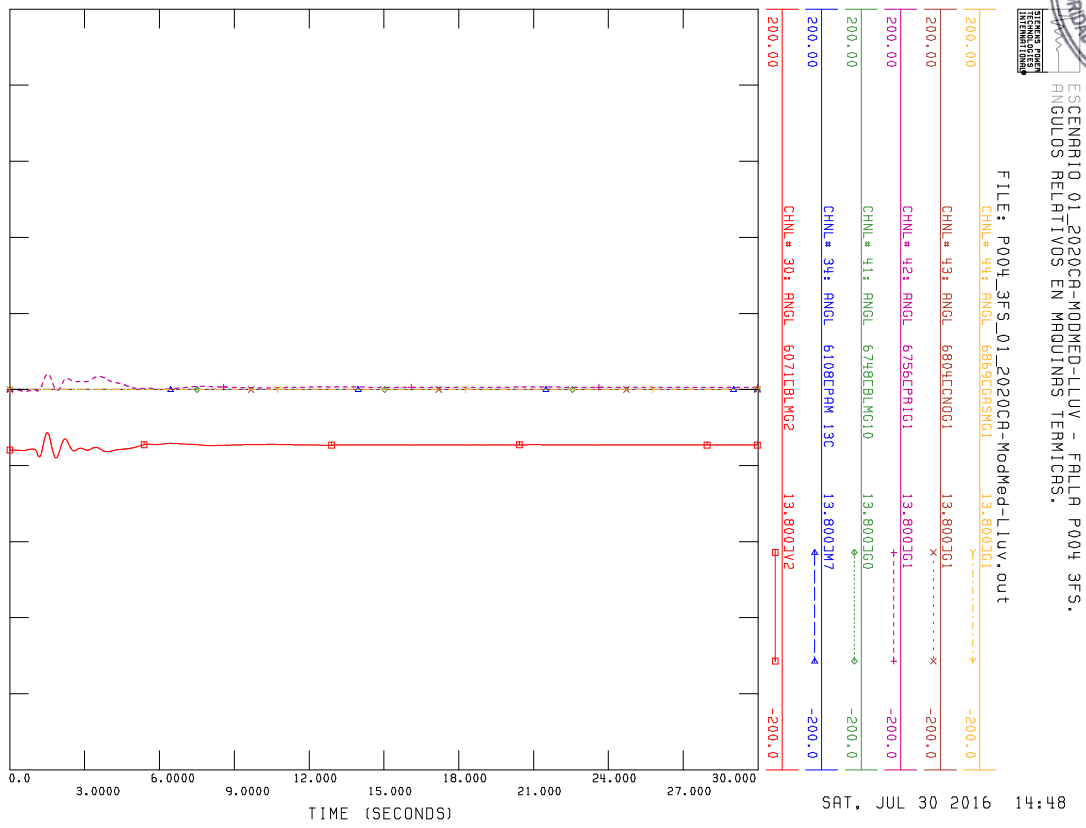
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P003 3FS.
FRECUENCIAS.

FILE: P003_3FS_01_2020CR-ModMed-LlUV.out





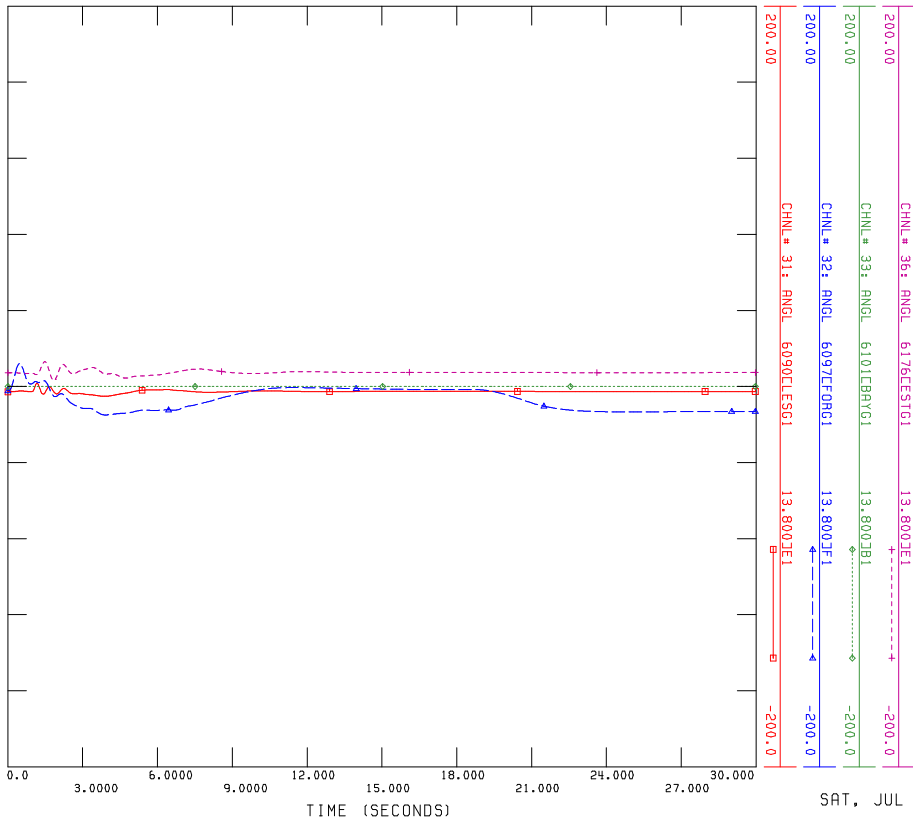






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P004 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P004_SFS_01_2020CR-MODMED-LLUV.out

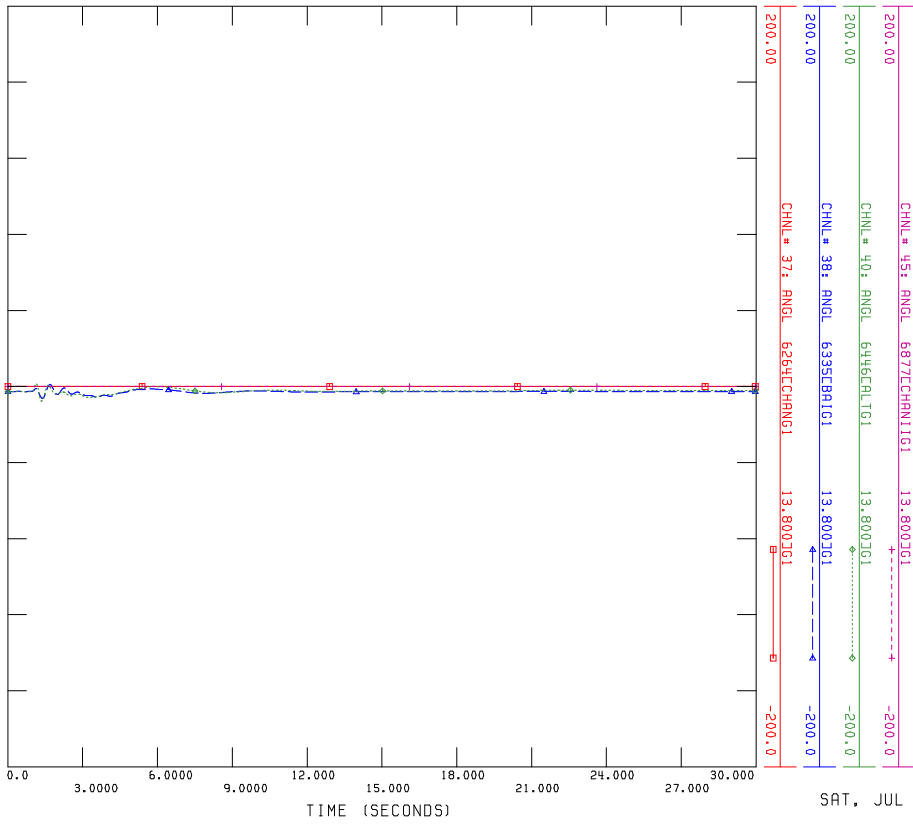


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P004 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P004_SFS_01_2020CR-ModMed-LLuv.out

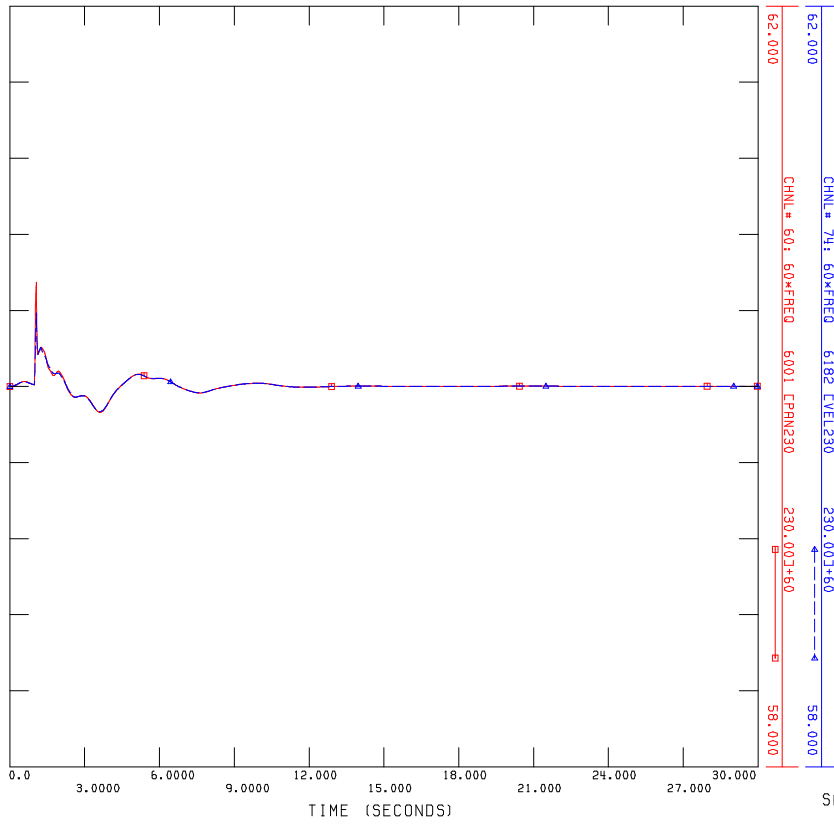


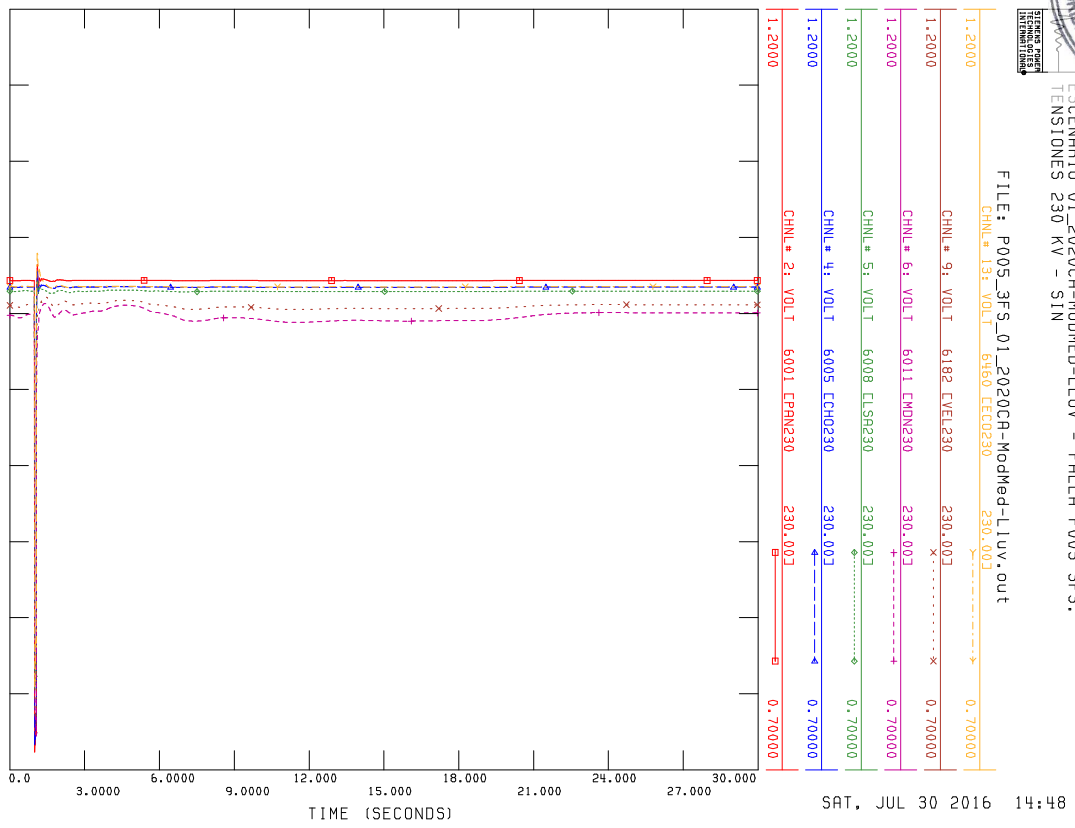


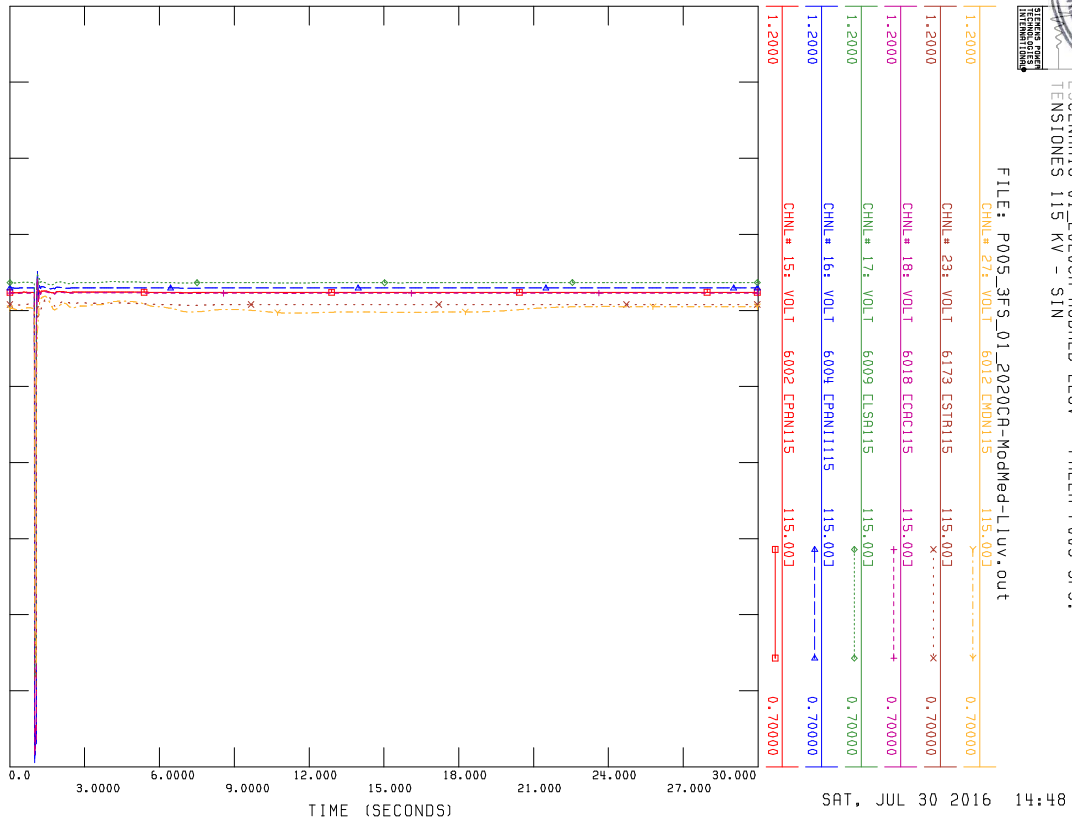
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

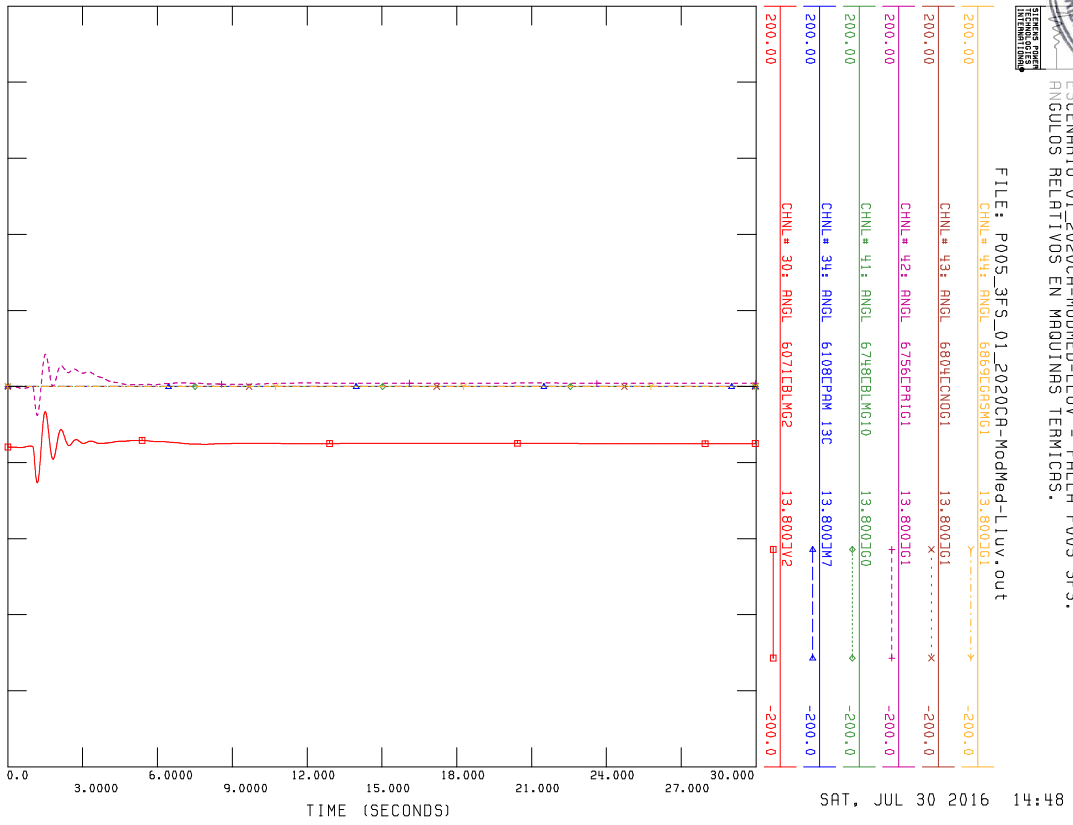
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P004 3FS.
FRECUENCIAS.

FILE: P004_SFS_01_2020CR-ModMed-Lluv.out





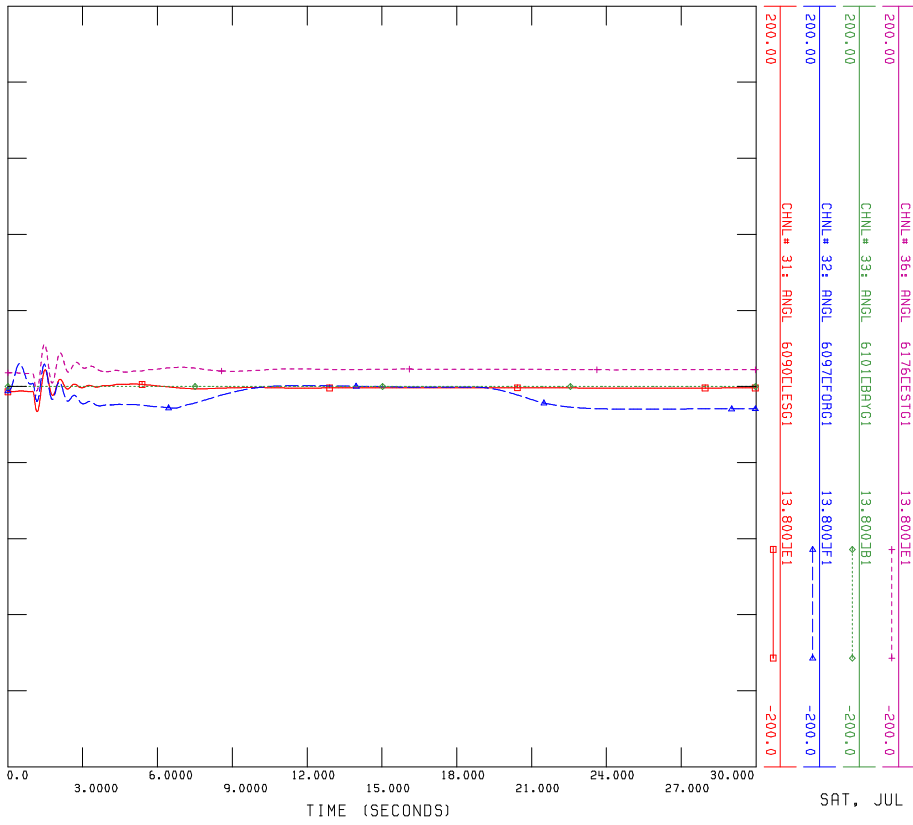






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P005 3FS.
ÁNGULOS RELATIVOS EN MARQUINAS HIDRAULICAS.

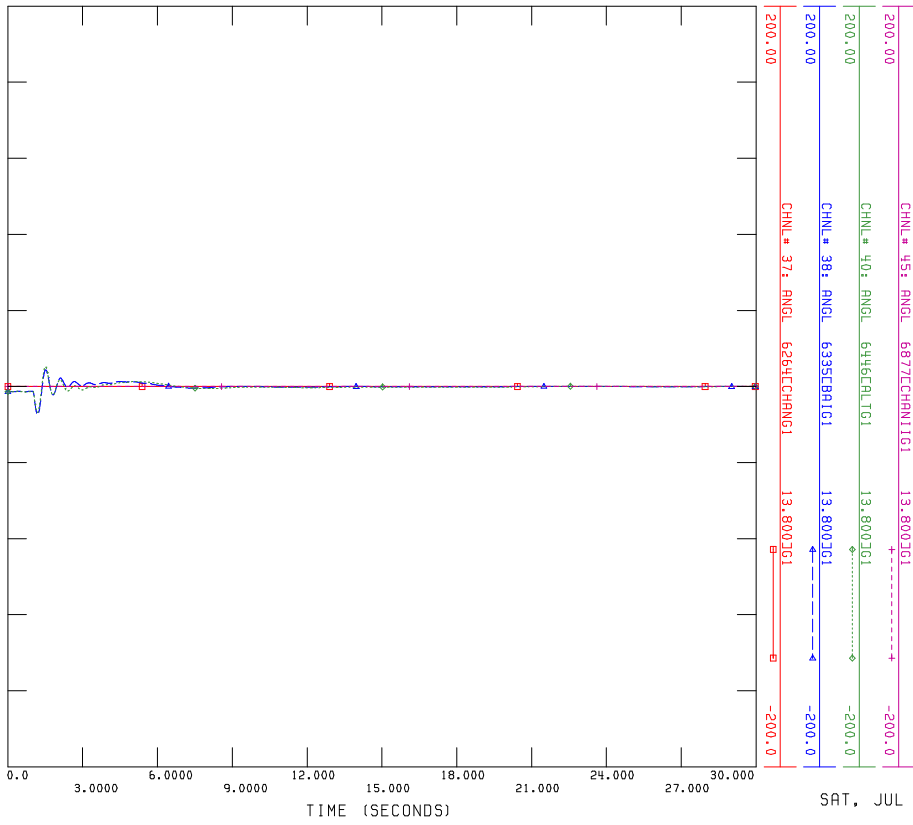
FILE: P005_3FS_01_2020CR-MODMED-LLUV.out





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P005 3FS.
ÁNGULOS RELATIVOS EN MAQUINNS HIDRAULICAS.

FILE: P005_3FS_01_2020CR-MODMED-LLUV.out

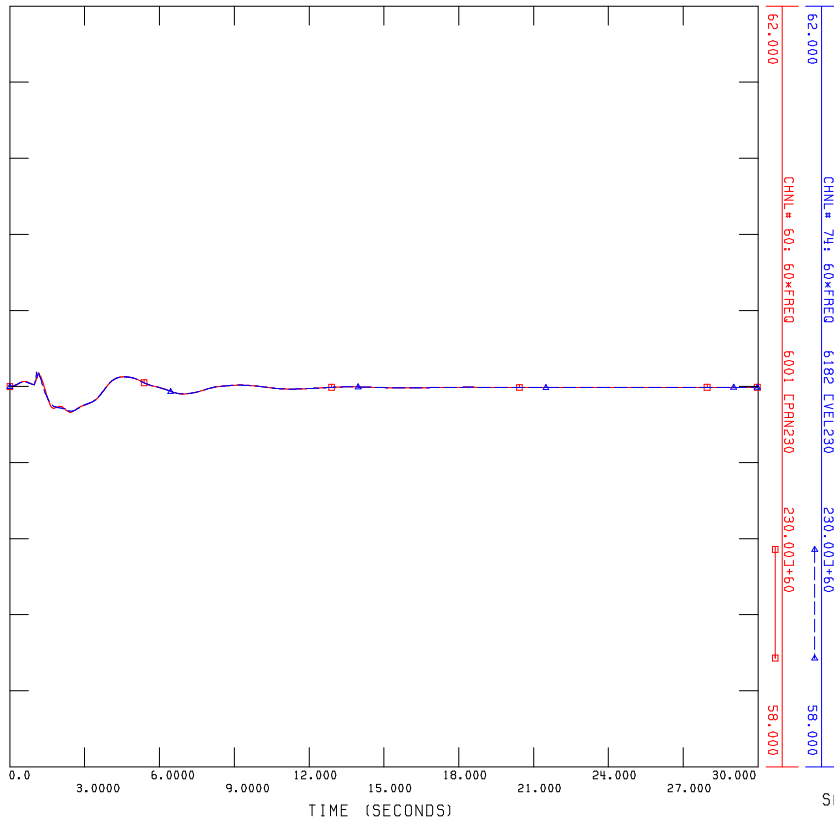


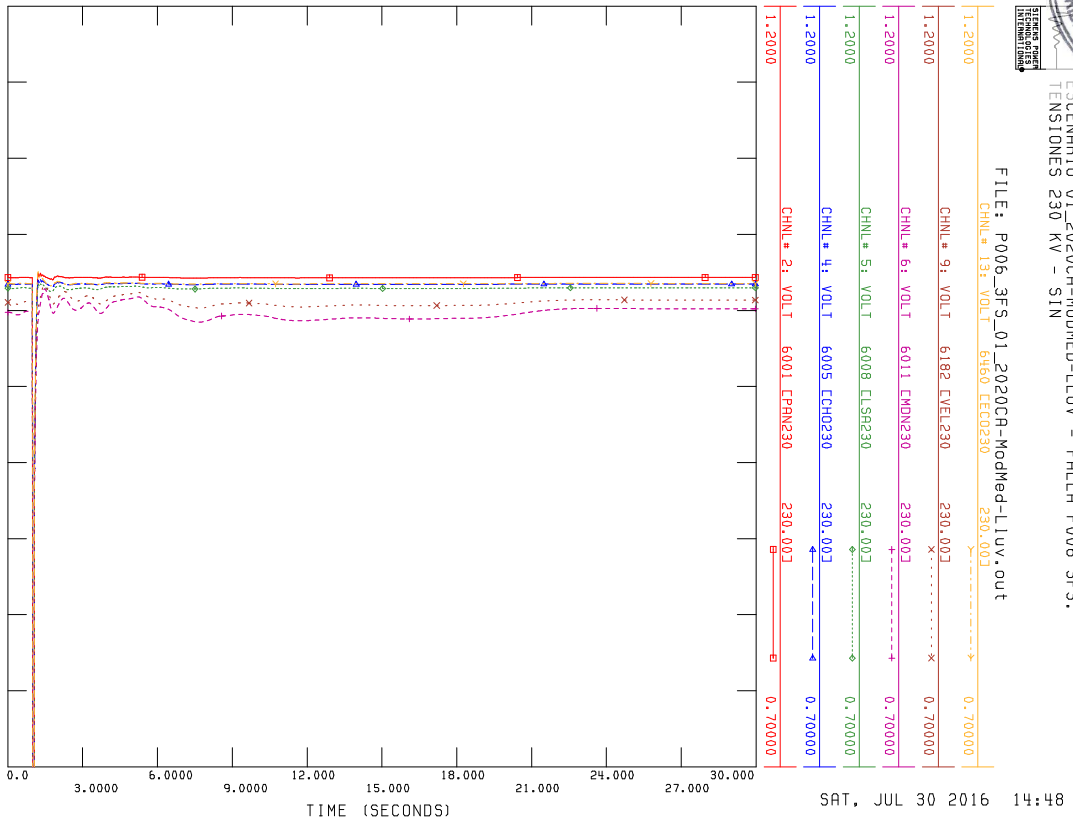


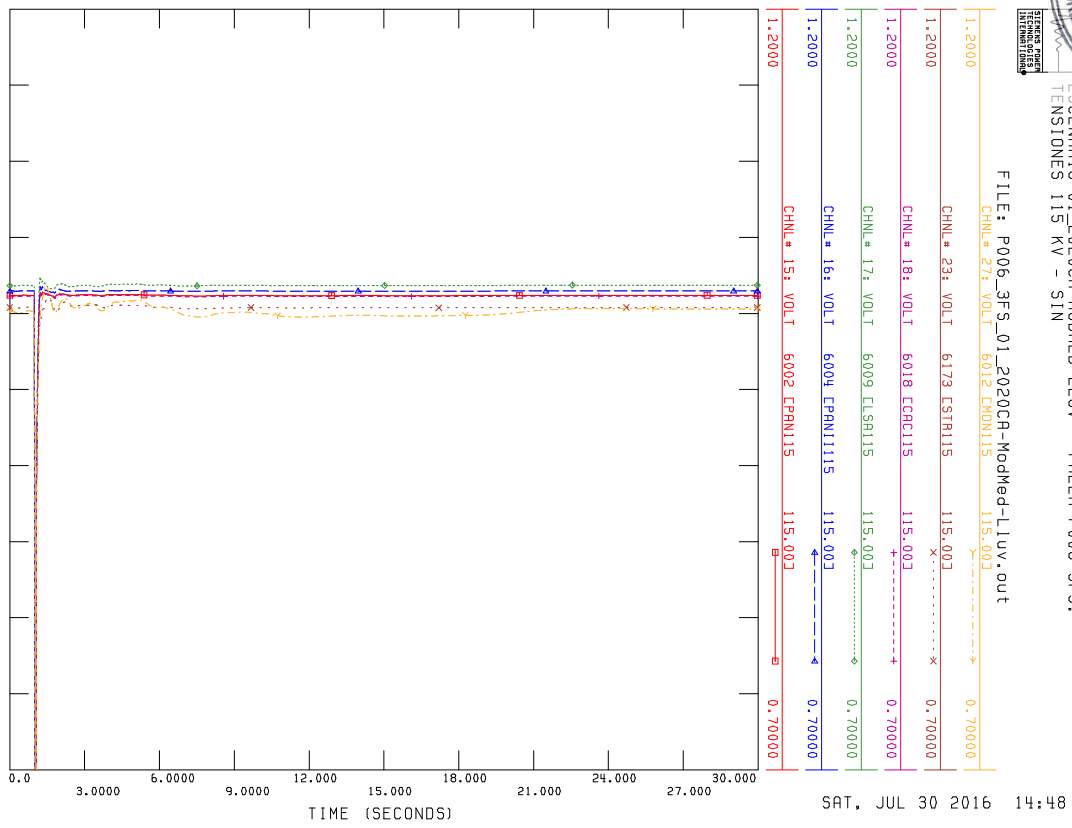
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

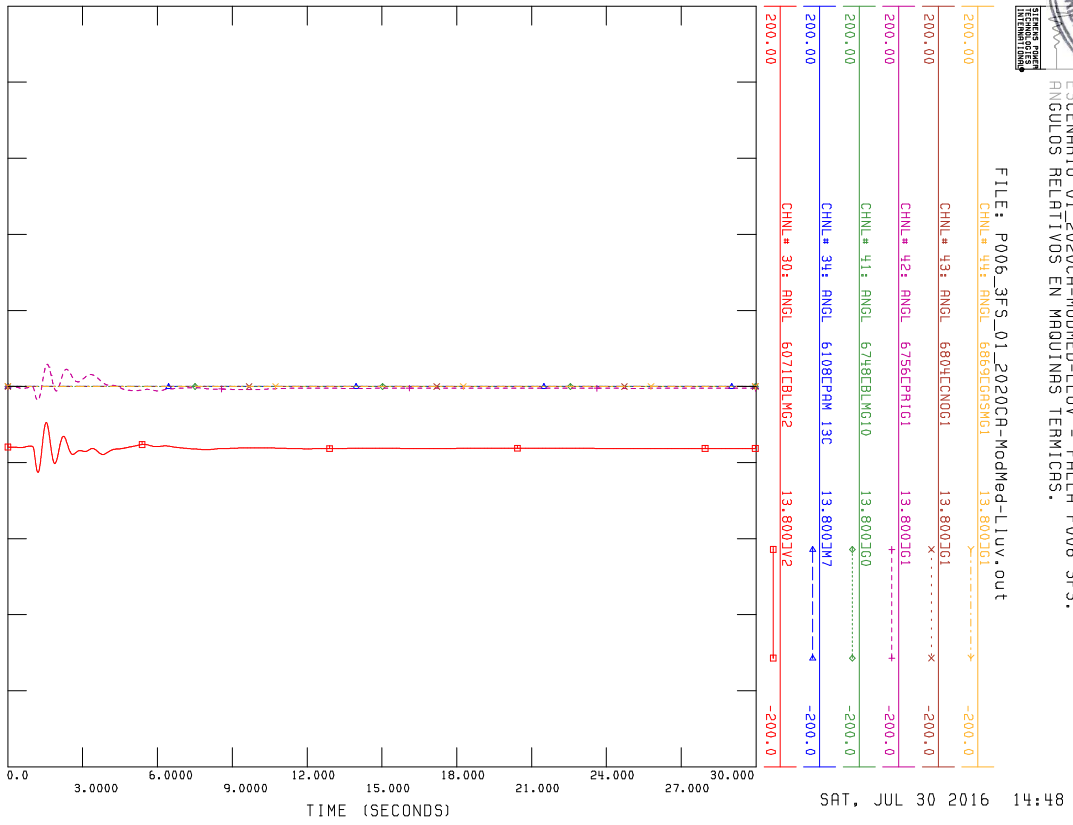
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P005 3FS.
FRECUENCIAS.

FILE: P005_3FS_01_2020CR-ModMed-Lluv.out





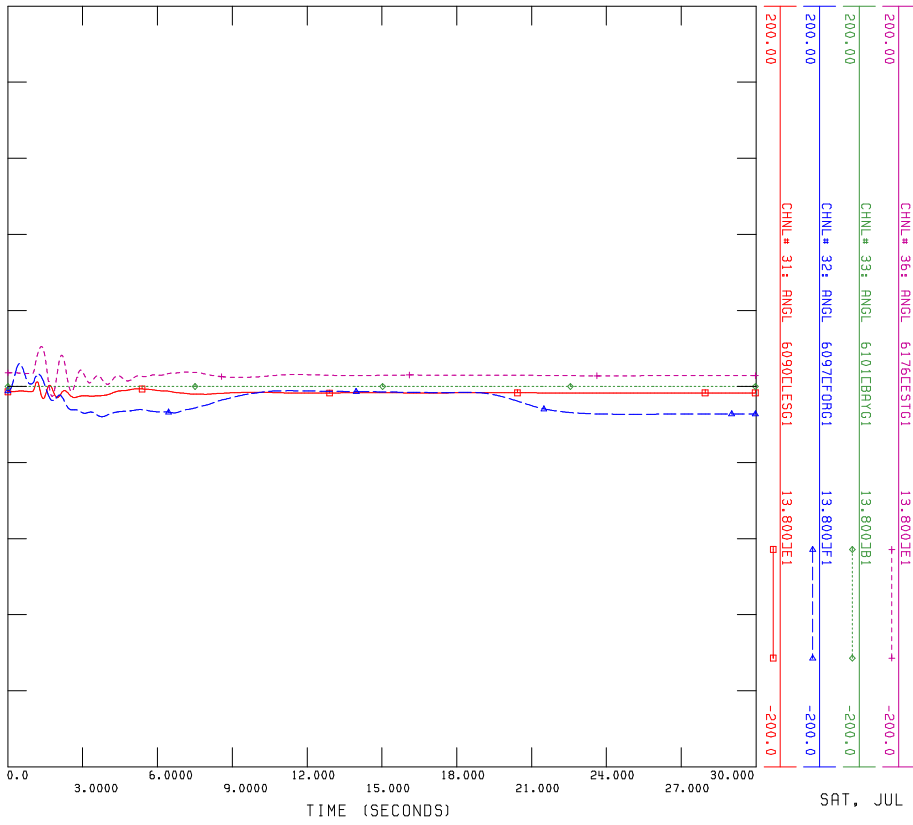






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P006 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P006_SFS_01_2020CR-MODMED-LLUV.out

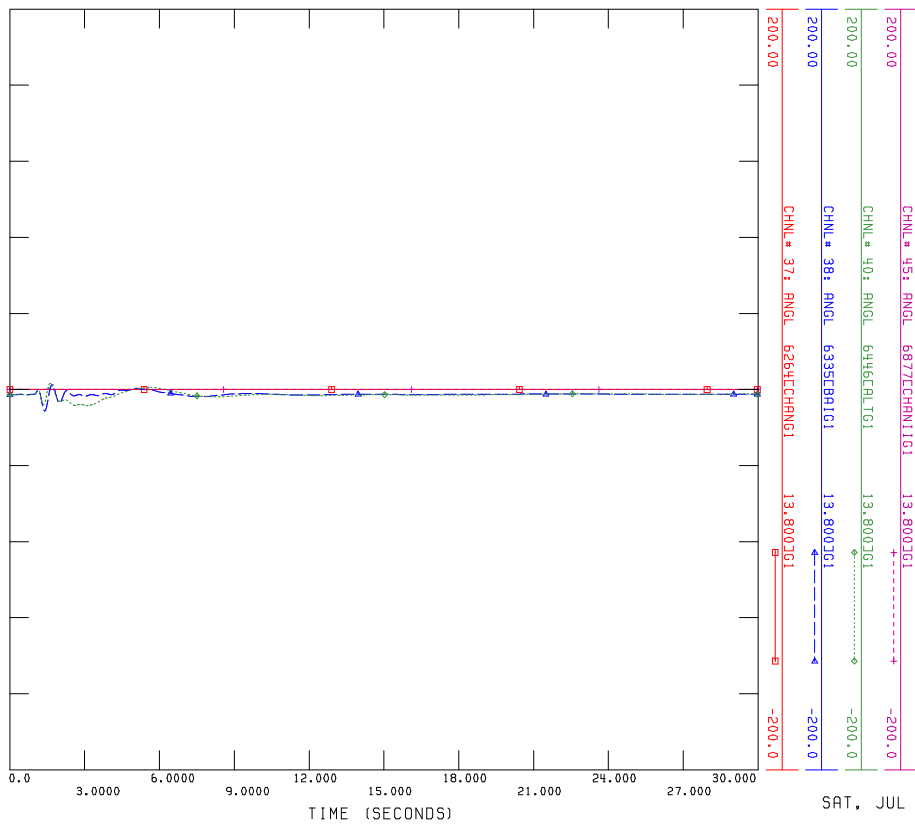


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P006 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P006_3FS_01_2020CR-ModMed-LLuv.out

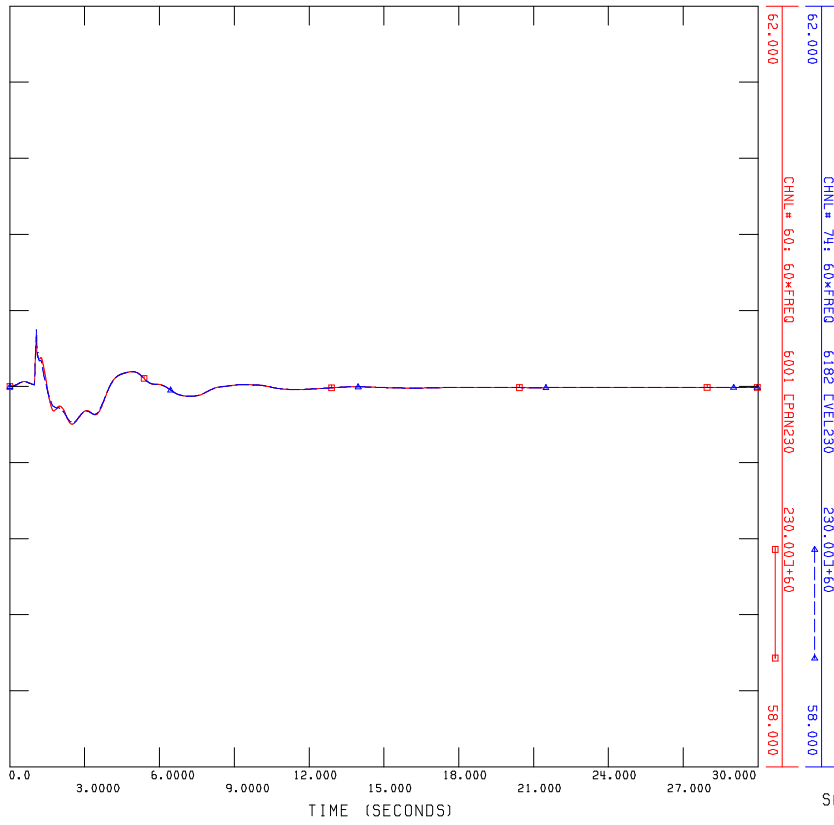


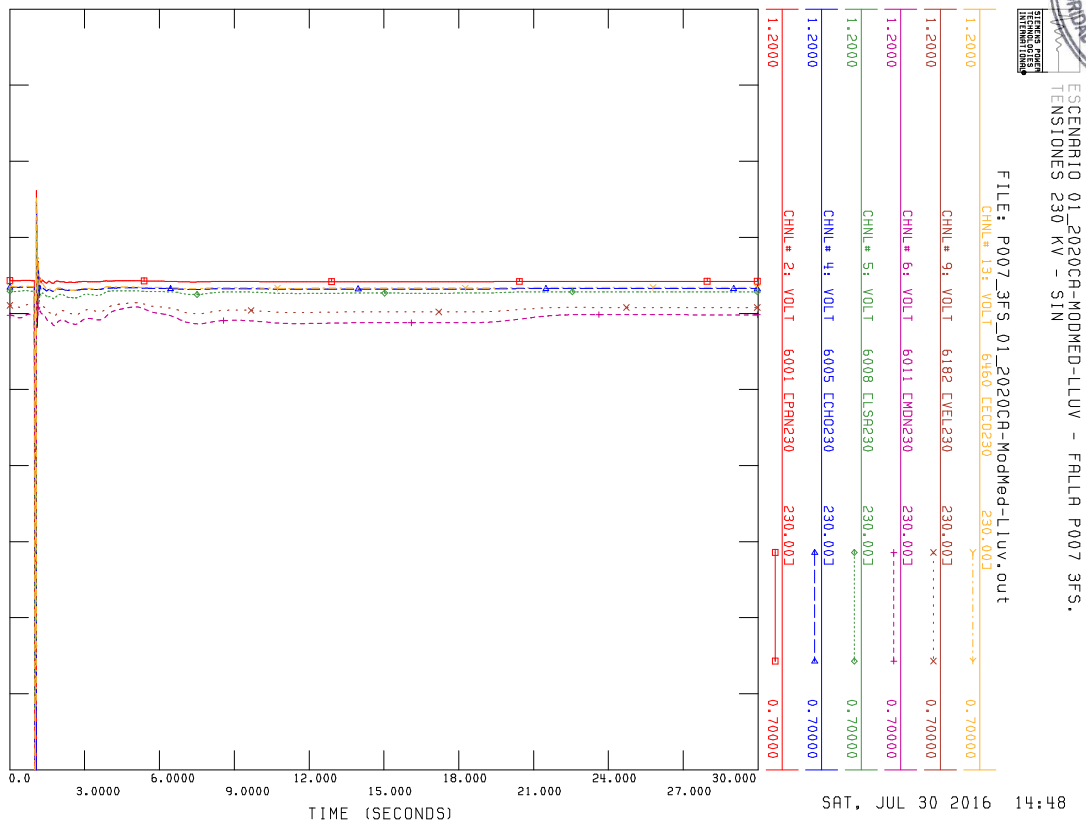


REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P006 3FS.
FRECUENCIAS.

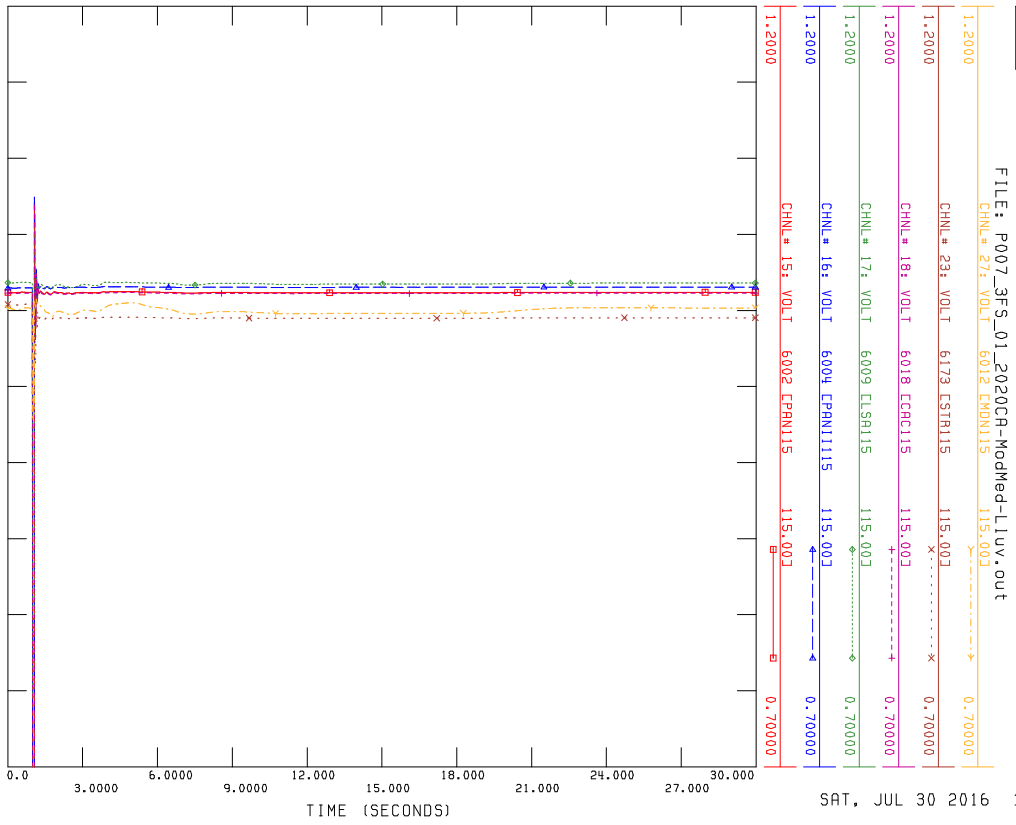
FILE: P006_3FS_01_2020CR-ModMed-LLuv.out







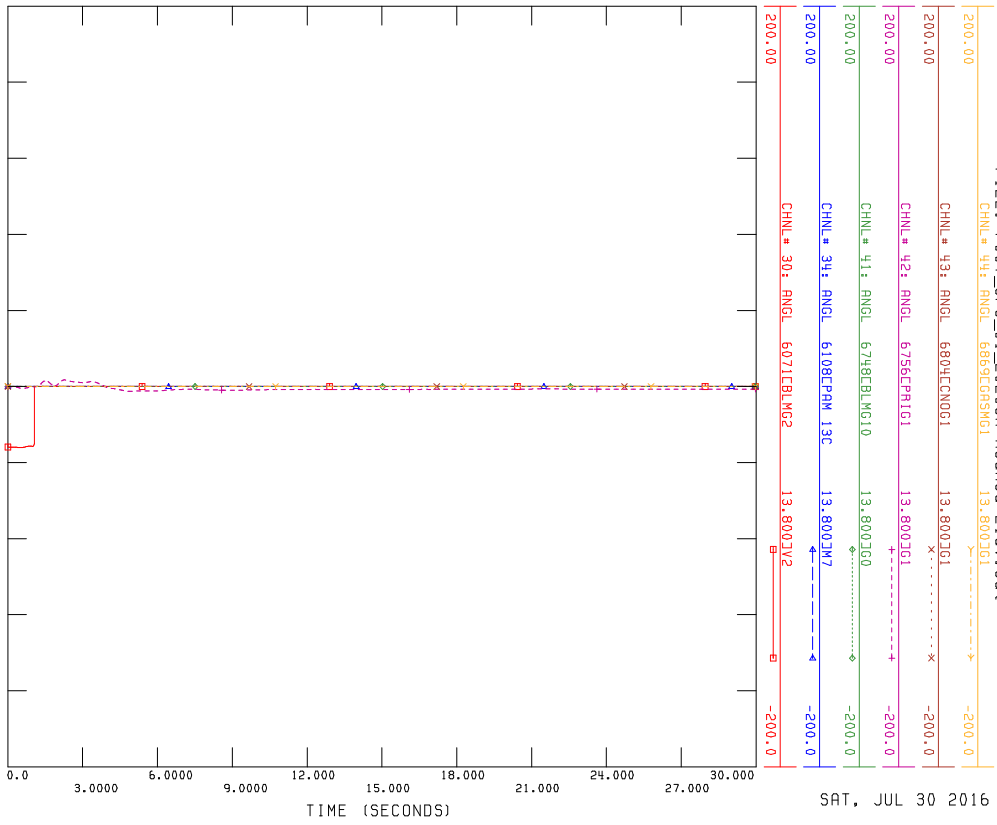
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P007 3FS.
TENSIONES 115 KV - SIN





FILE: P007_3FS_01_2020CR-ModMed-Lluv.out

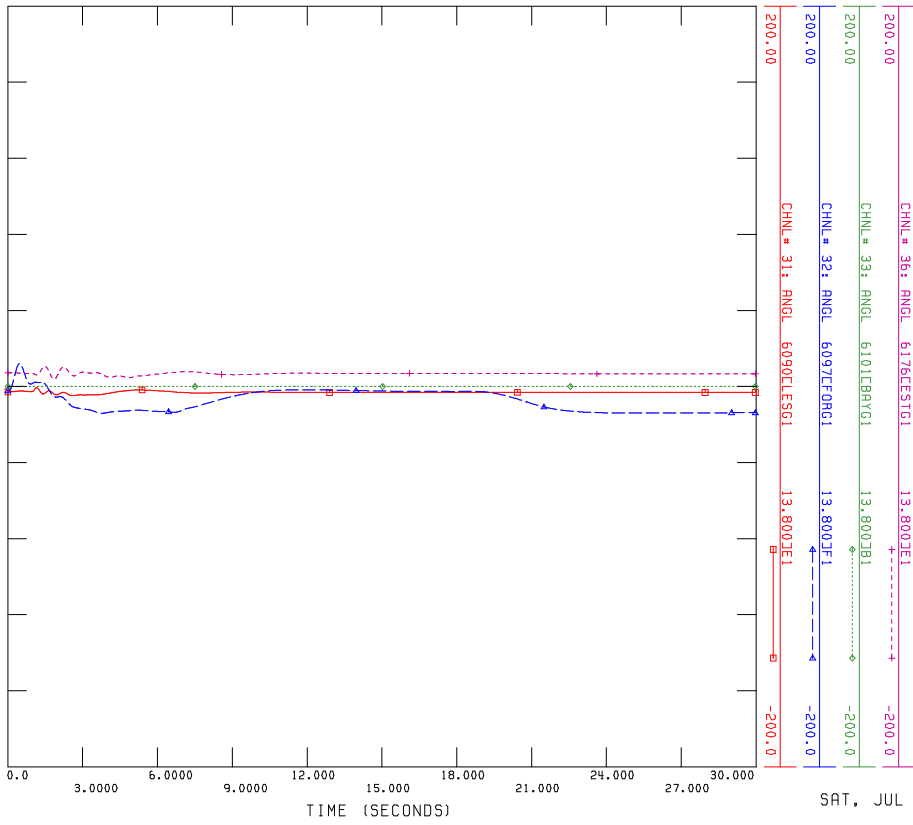
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P007 3FS.
ANGULOS RELATIVOS EN MOJINRS TERMICRS.





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P007 3FS.
ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P007_sfs_01_2020CR-ModMed-LLuv.out

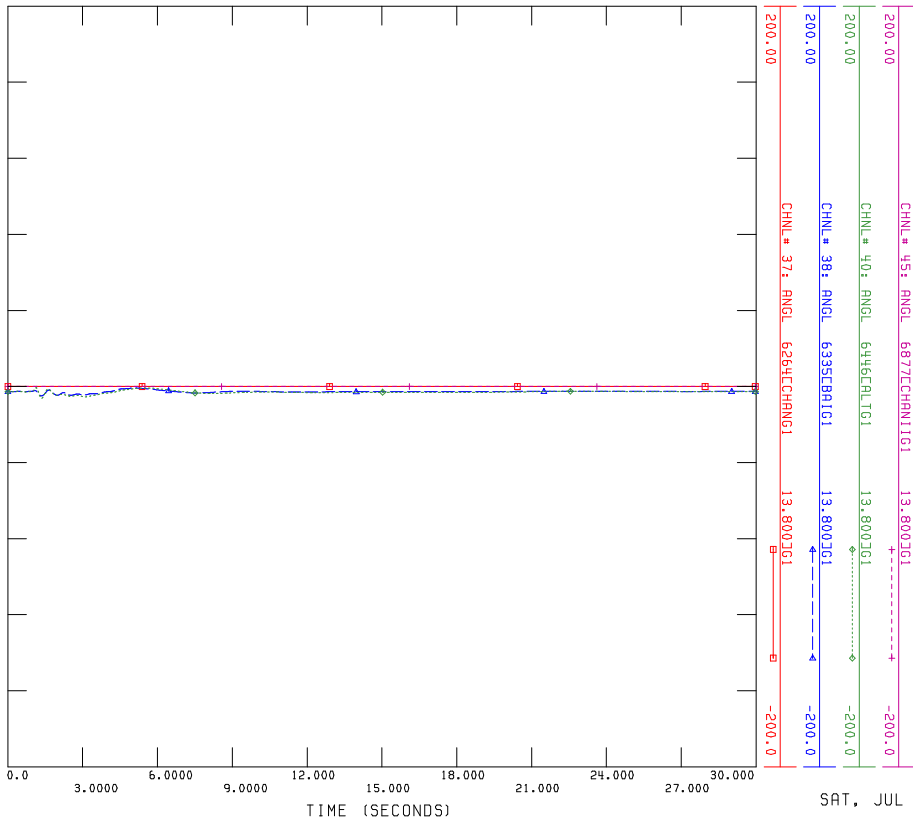


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P007 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P007_3FS_01_2020CR-ModMed-LLuv.out



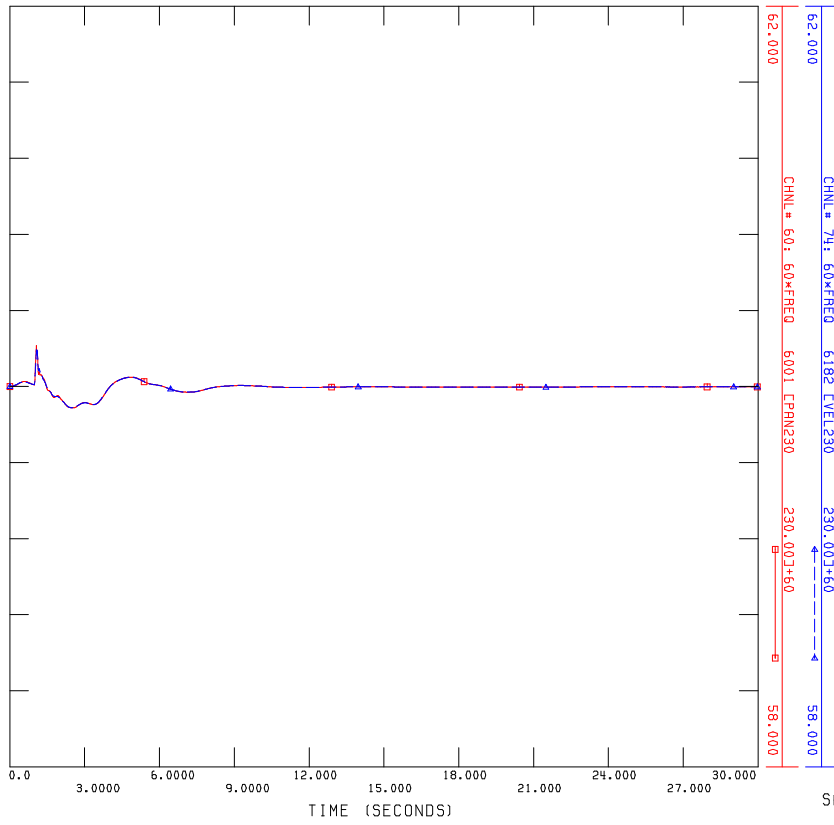
SAT, JUL 30 2016 14:48



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

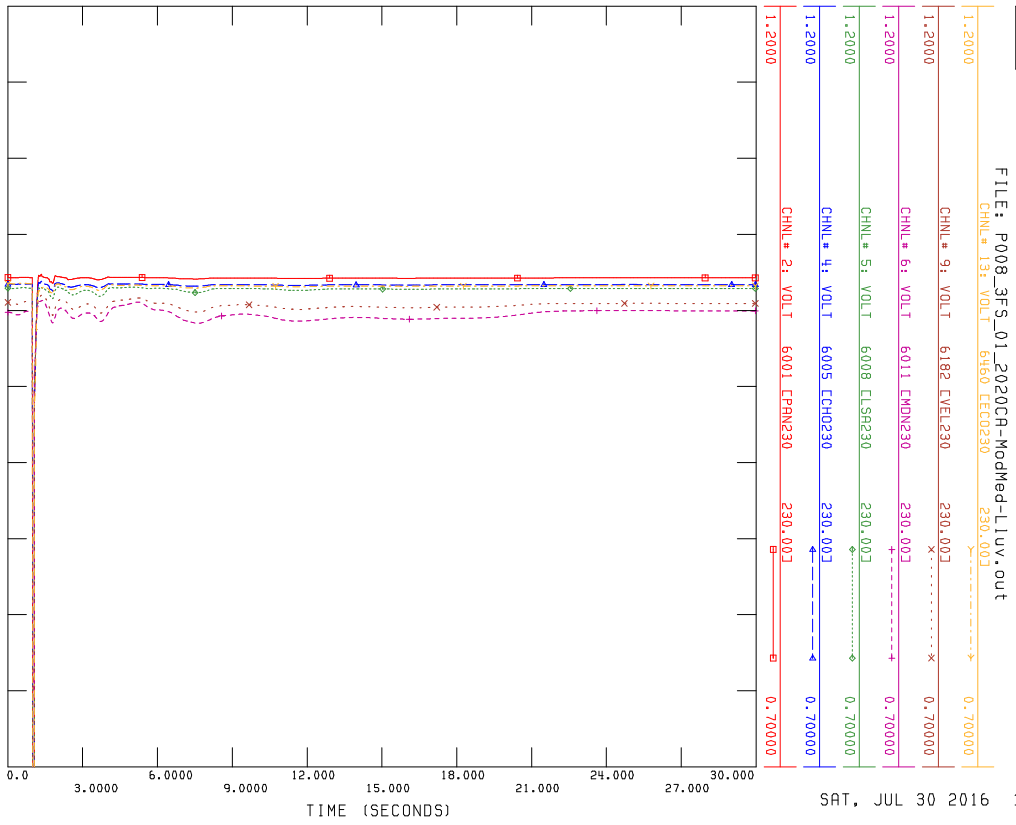
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P007 3FS.
FRECUENCIAS.

FILE: P007_3FS_01_2020CR-ModMed-LLuv.out



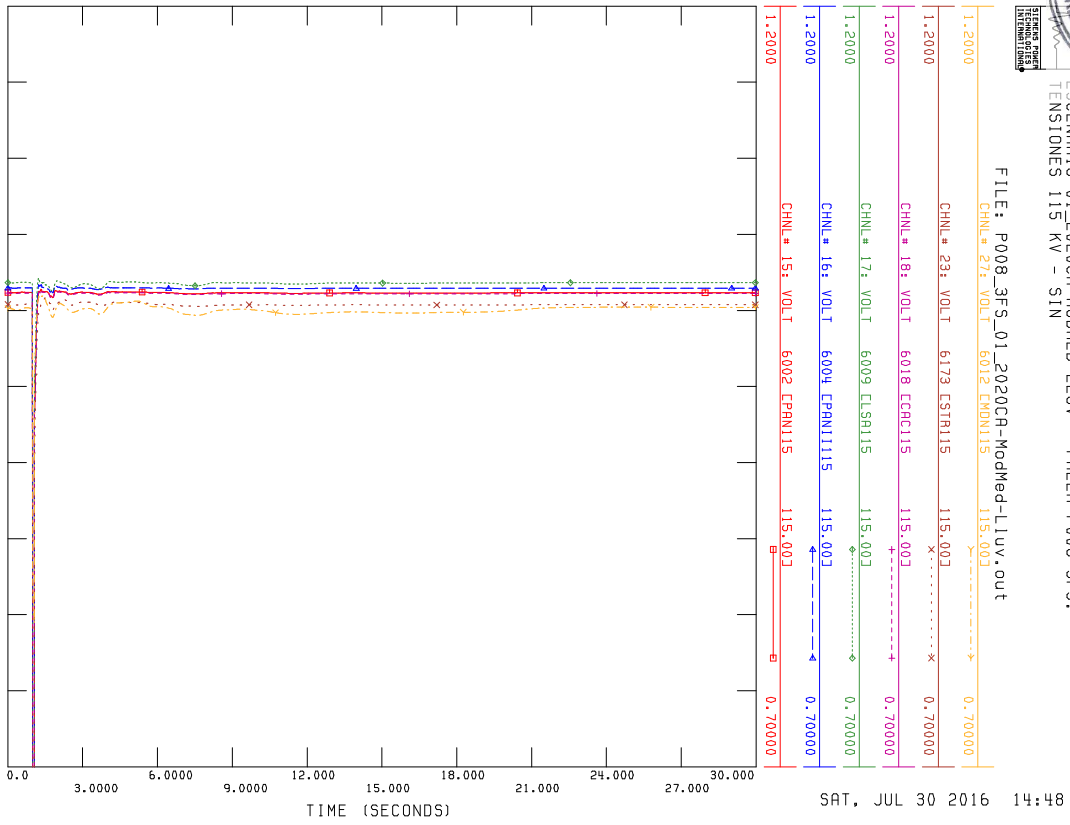


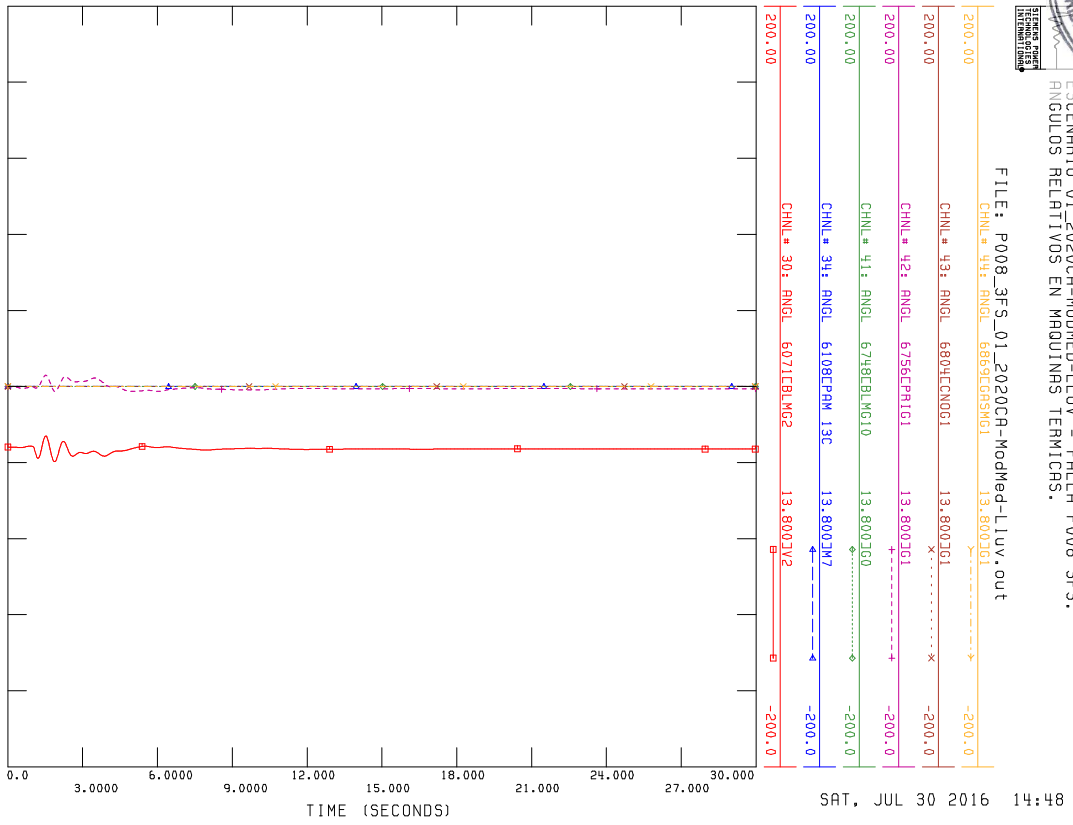
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P008 3FS.
TENSIONES 230 KV - SIN





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P008 3FS.
TENSIONES 115 KV - SIN

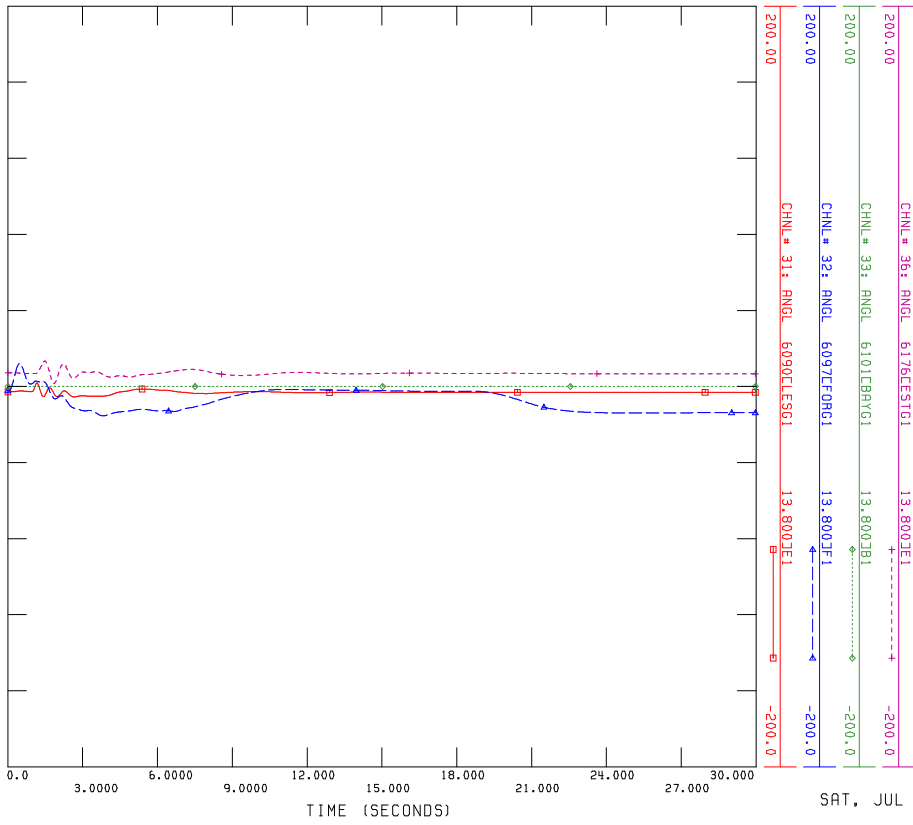






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P008 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P008_3FS_01_2020CR-ModMed-LLuv.out

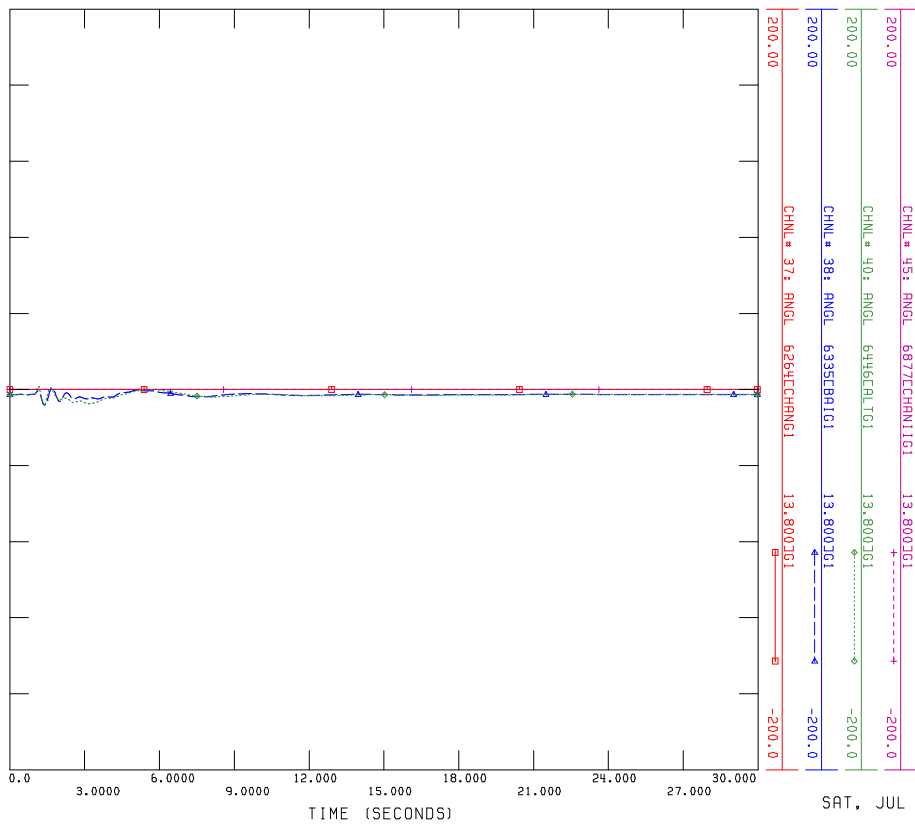


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P008 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

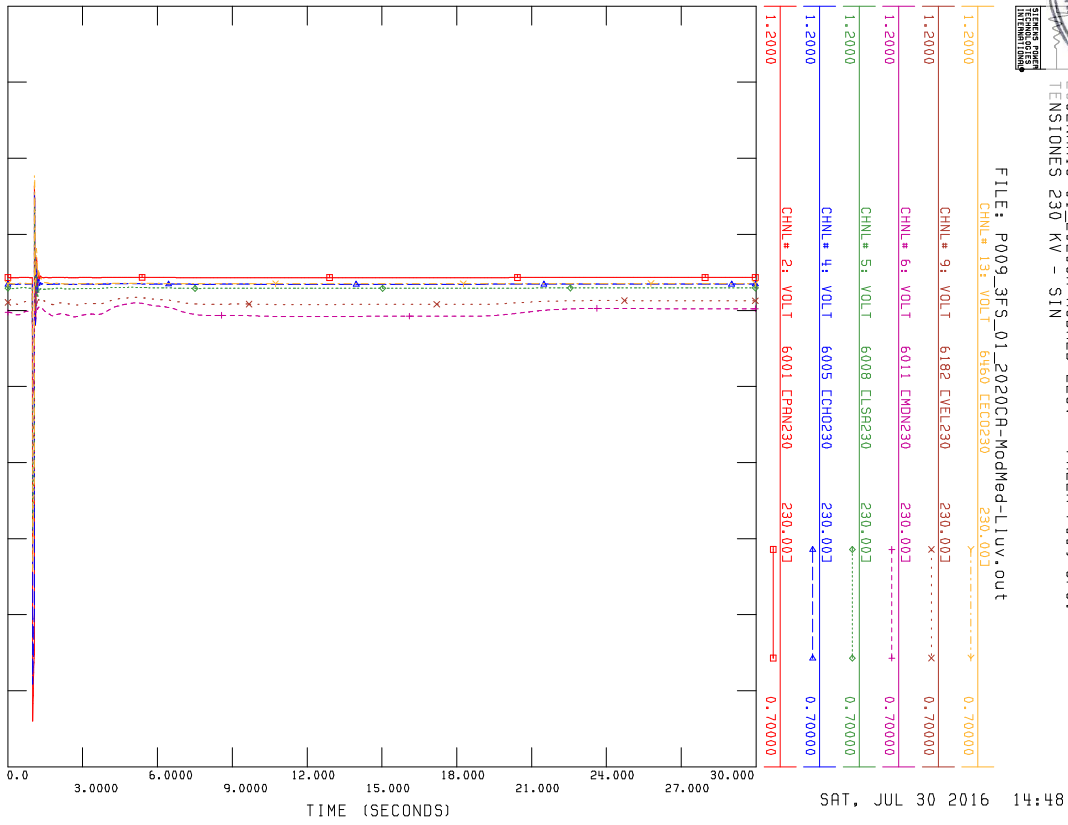
FILE: P008_3FS_01_2020CR-ModMed-LLuv.out



SAT, JUL 30 2016 14:48

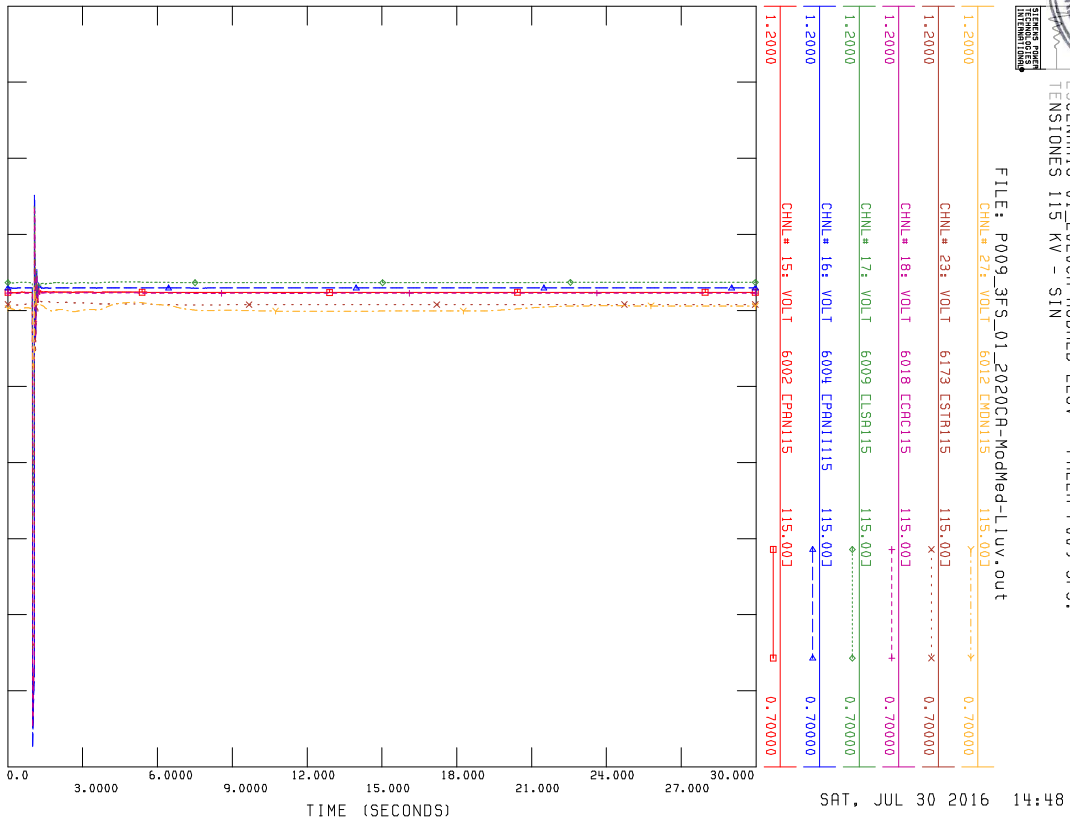


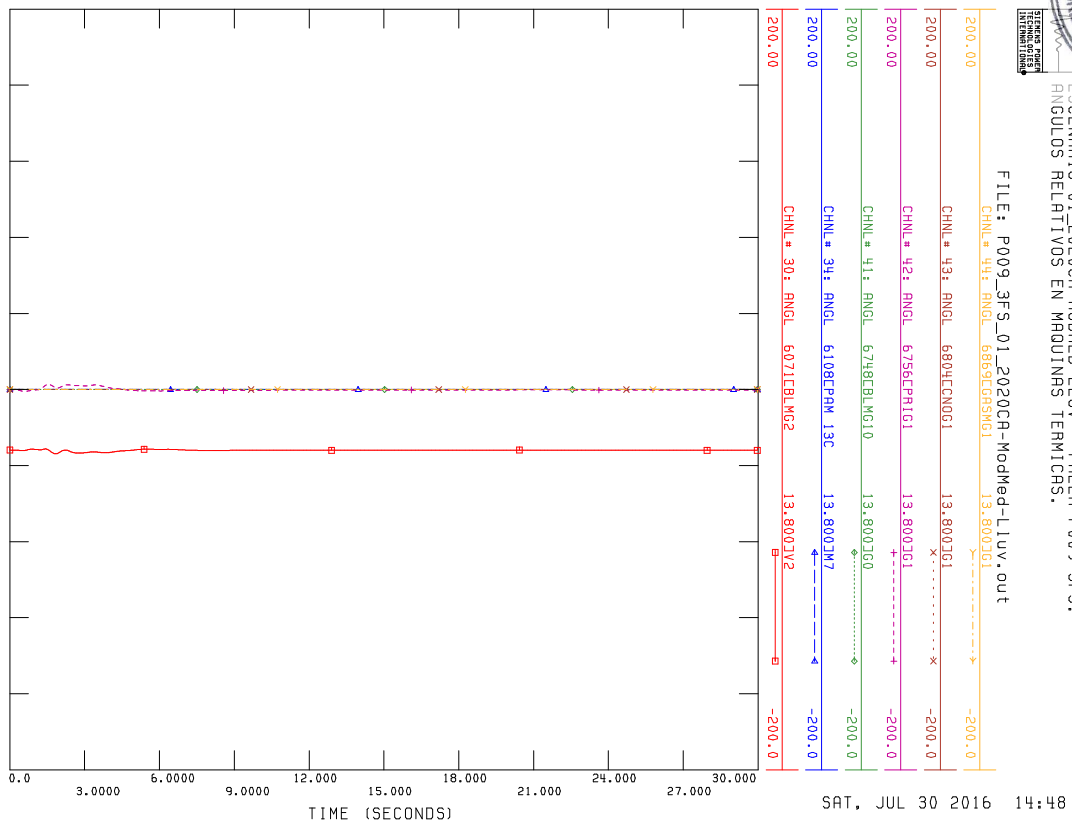
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P009 3FS.
TENSIONES 230 KV - SIN





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P009 3FS.
TENSIONES 115 KV - SIN

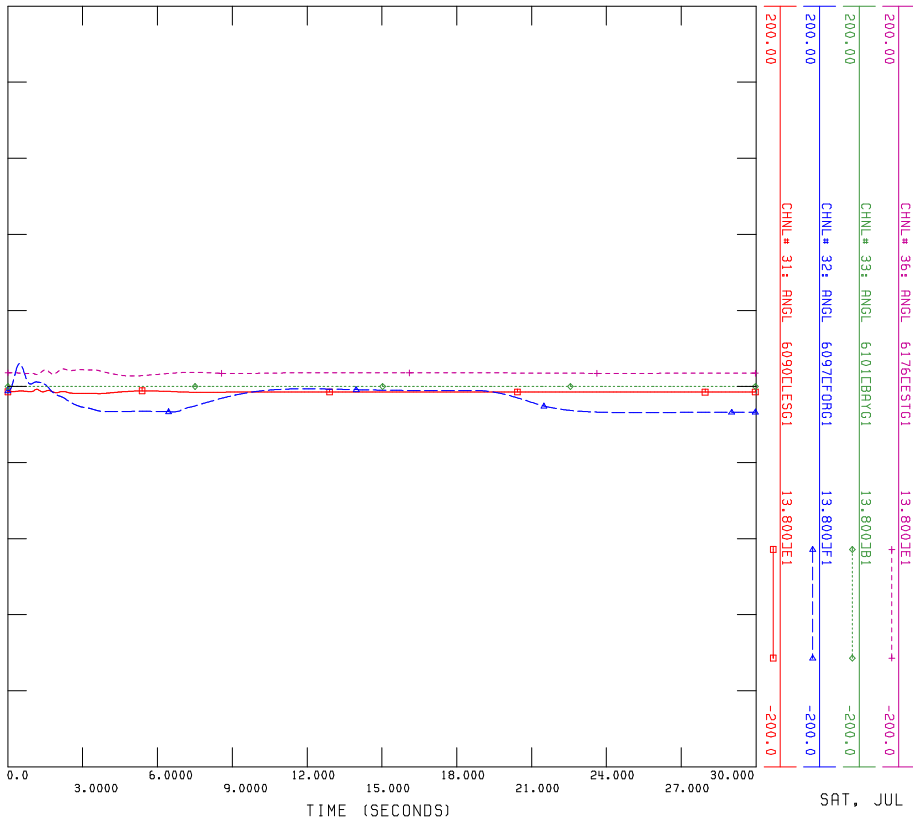






100%
 50%
 0%
 -50%
 -100%
 -150%
 -200%
 -250%
 -300%
 -350%
 -400%
 -450%
 -500%
 -550%
 -600%
 -650%
 -700%
 -750%
 -800%
 -850%
 -900%
 -950%
 -1000%
 -1050%
 -1100%
 -1150%
 -1200%
 -1250%
 -1300%
 -1350%
 -1400%
 -1450%
 -1500%
 -1550%
 -1600%
 -1650%
 -1700%
 -1750%
 -1800%
 -1850%
 -1900%
 -1950%
 -2000%
 -2050%
 -2100%
 -2150%
 -2200%
 -2250%
 -2300%
 -2350%
 -2400%
 -2450%
 -2500%
 -2550%
 -2600%
 -2650%
 -2700%
 -2750%
 -2800%
 -2850%
 -2900%
 -2950%
 -3000%
 -3050%
 -3100%
 -3150%
 -3200%
 -3250%
 -3300%
 -3350%
 -3400%
 -3450%
 -3500%
 -3550%
 -3600%
 -3650%
 -3700%
 -3750%
 -3800%
 -3850%
 -3900%
 -3950%
 -4000%
 -4050%
 -4100%
 -4150%
 -4200%
 -4250%
 -4300%
 -4350%
 -4400%
 -4450%
 -4500%
 -4550%
 -4600%
 -4650%
 -4700%
 -4750%
 -4800%
 -4850%
 -4900%
 -4950%
 -5000%
 -5050%
 -5100%
 -5150%
 -5200%
 -5250%
 -5300%
 -5350%
 -5400%
 -5450%
 -5500%
 -5550%
 -5600%
 -5650%
 -5700%
 -5750%
 -5800%
 -5850%
 -5900%
 -5950%
 -6000%
 -6050%
 -6100%
 -6150%
 -6200%
 -6250%
 -6300%
 -6350%
 -6400%
 -6450%
 -6500%
 -6550%
 -6600%
 -6650%
 -6700%
 -6750%
 -6800%
 -6850%
 -6900%
 -6950%
 -7000%
 -7050%
 -7100%
 -7150%
 -7200%
 -7250%
 -7300%
 -7350%
 -7400%
 -7450%
 -7500%
 -7550%
 -7600%
 -7650%
 -7700%
 -7750%
 -7800%
 -7850%
 -7900%
 -7950%
 -8000%
 -8050%
 -8100%
 -8150%
 -8200%
 -8250%
 -8300%
 -8350%
 -8400%
 -8450%
 -8500%
 -8550%
 -8600%
 -8650%
 -8700%
 -8750%
 -8800%
 -8850%
 -8900%
 -8950%
 -9000%
 -9050%
 -9100%
 -9150%
 -9200%
 -9250%
 -9300%
 -9350%
 -9400%
 -9450%
 -9500%
 -9550%
 -9600%
 -9650%
 -9700%
 -9750%
 -9800%
 -9850%
 -9900%
 -9950%
 -10000%
 -10050%
 -10100%
 -10150%
 -10200%
 -10250%
 -10300%
 -10350%
 -10400%
 -10450%
 -10500%
 -10550%
 -10600%
 -10650%
 -10700%
 -10750%
 -10800%
 -10850%
 -10900%
 -10950%
 -11000%
 -11050%
 -11100%
 -11150%
 -11200%
 -11250%
 -11300%
 -11350%
 -11400%
 -11450%
 -11500%
 -11550%
 -11600%
 -11650%
 -11700%
 -11750%
 -11800%
 -11850%
 -11900%
 -11950%
 -12000%
 -12050%
 -12100%
 -12150%
 -12200%
 -12250%
 -12300%
 -12350%
 -12400%
 -12450%
 -12500%
 -12550%
 -12600%
 -12650%
 -12700%
 -12750%
 -12800%
 -12850%
 -12900%
 -12950%
 -13000%
 -13050%
 -13100%
 -13150%
 -13200%
 -13250%
 -13300%
 -13350%
 -13400%
 -13450%
 -13500%
 -13550%
 -13600%
 -13650%
 -13700%
 -13750%
 -13800%
 -13850%
 -13900%
 -13950%
 -14000%
 -14050%
 -14100%
 -14150%
 -14200%
 -14250%
 -14300%
 -14350%
 -14400%
 -14450%
 -14500%
 -14550%
 -14600%
 -14650%
 -14700%
 -14750%
 -14800%
 -14850%
 -14900%
 -14950%
 -15000%
 -15050%
 -15100%
 -15150%
 -15200%
 -15250%
 -15300%
 -15350%
 -15400%
 -15450%
 -15500%
 -15550%
 -15600%
 -15650%
 -15700%
 -15750%
 -15800%
 -15850%
 -15900%
 -15950%
 -16000%
 -16050%
 -16100%
 -16150%
 -16200%
 -16250%
 -16300%
 -16350%
 -16400%
 -16450%
 -16500%
 -16550%
 -16600%
 -16650%
 -16700%
 -16750%
 -16800%
 -16850%
 -16900%
 -16950%
 -17000%
 -17050%
 -17100%
 -17150%
 -17200%
 -17250%
 -17300%
 -17350%
 -17400%
 -17450%
 -17500%
 -17550%
 -17600%
 -17650%
 -17700%
 -17750%
 -17800%
 -17850%
 -17900%
 -17950%
 -18000%
 -18050%
 -18100%
 -18150%
 -18200%
 -18250%
 -18300%
 -18350%
 -18400%
 -18450%
 -18500%
 -18550%
 -18600%
 -18650%
 -18700%
 -18750%
 -18800%
 -18850%
 -18900%
 -18950%
 -19000%
 -19050%
 -19100%
 -19150%
 -19200%
 -19250%
 -19300%
 -19350%
 -19400%
 -19450%
 -19500%
 -19550%
 -19600%
 -19650%
 -19700%
 -19750%
 -19800%
 -19850%
 -19900%
 -19950%
 -20000%

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P009 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.
 FILE: P009_3FS_01_2020CR-MODMED-LLUV.out

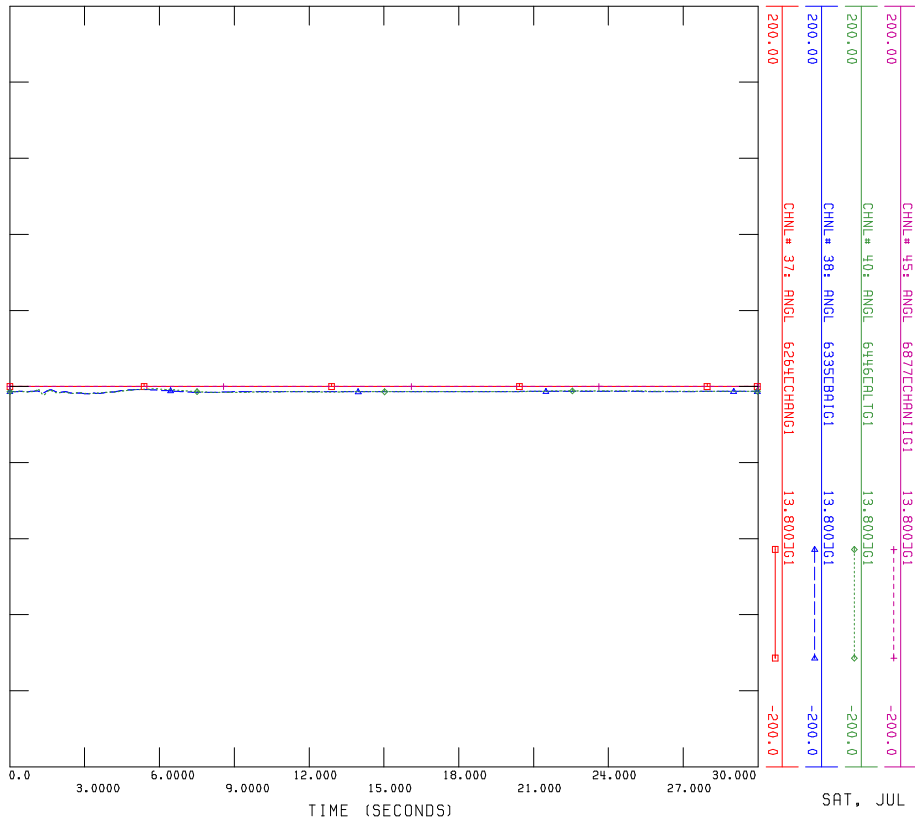


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P009 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P009_3FS_01_2020CR-ModMed-LLuv.out



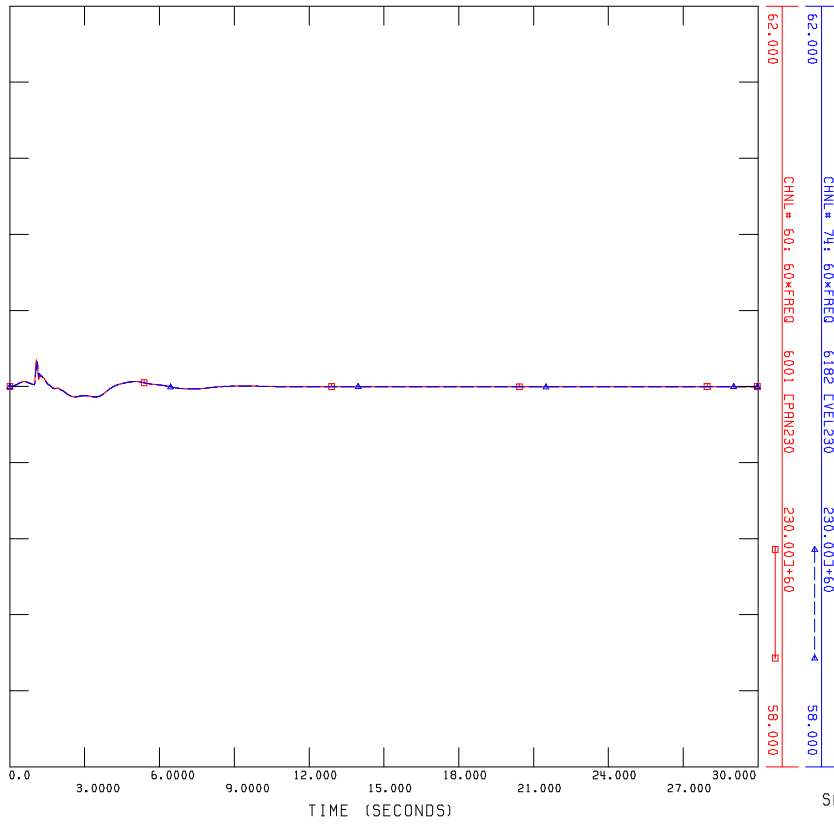
SAT, JUL 30 2016 14:48



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

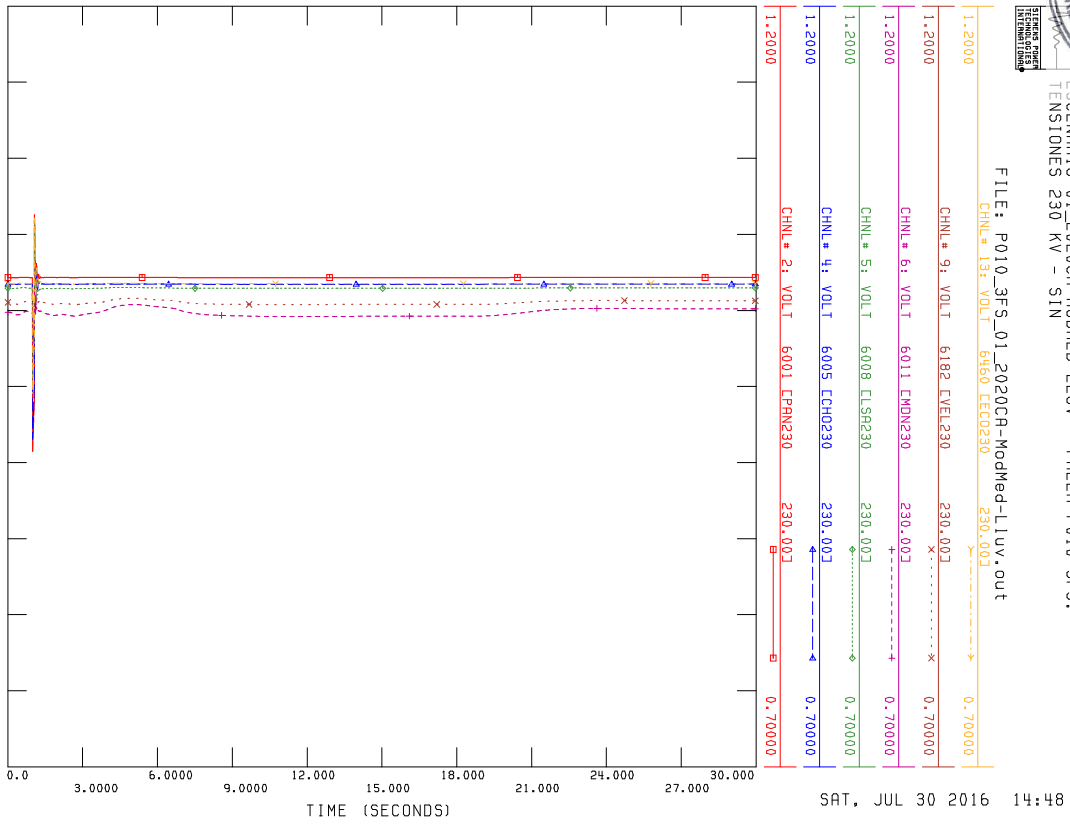
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P009 3FS.
FRECUENCIAS.

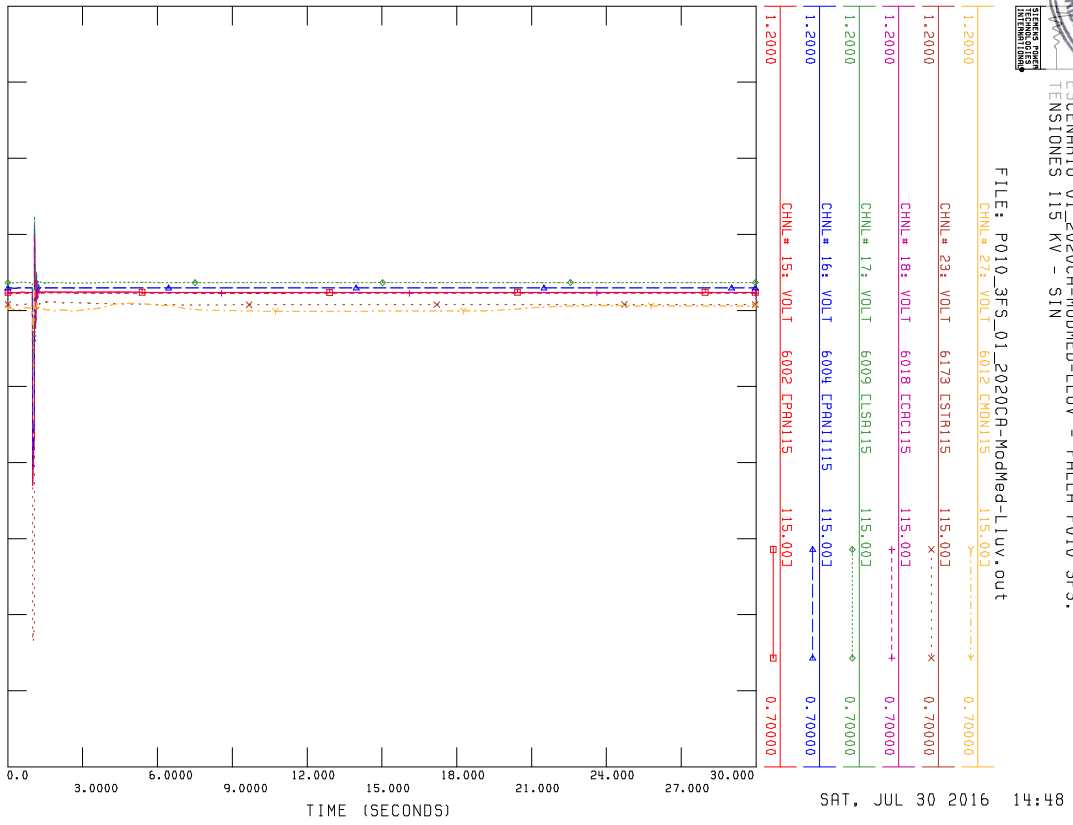
FILE: P009_3FS_01_2020CR-ModMed-Lluv.out

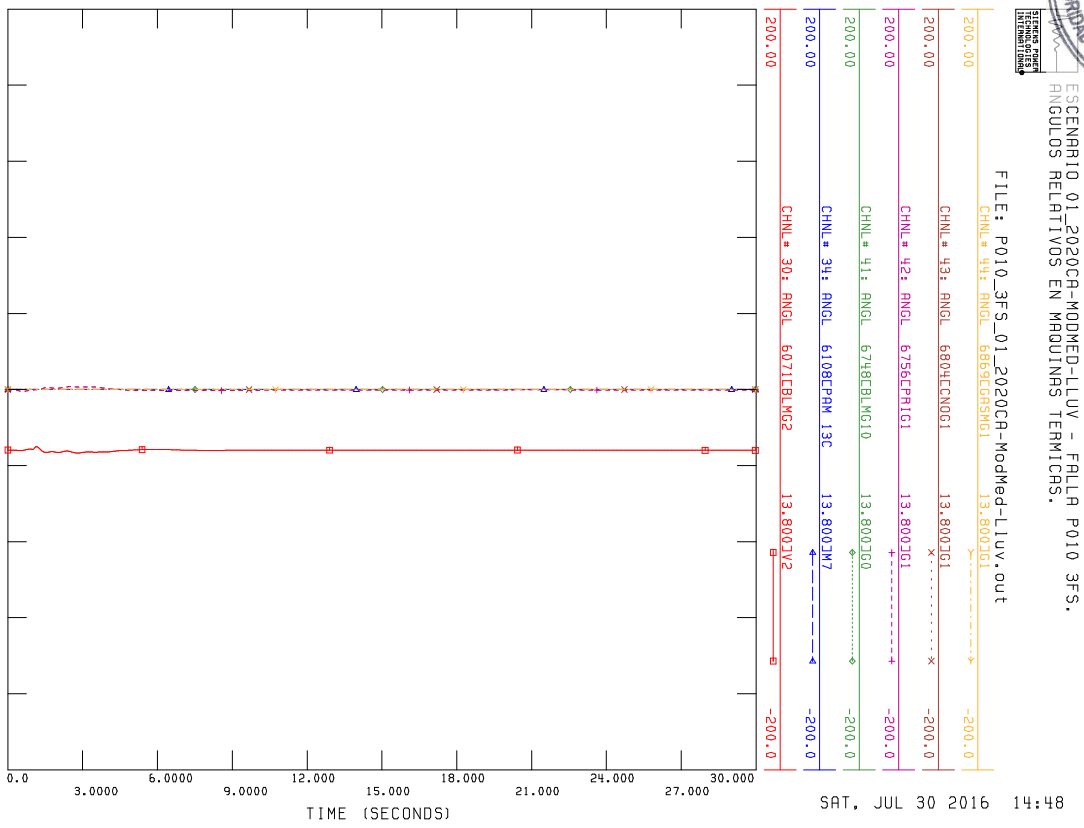




ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P010 3FS.
 TENSIONES 230 KV - SIN





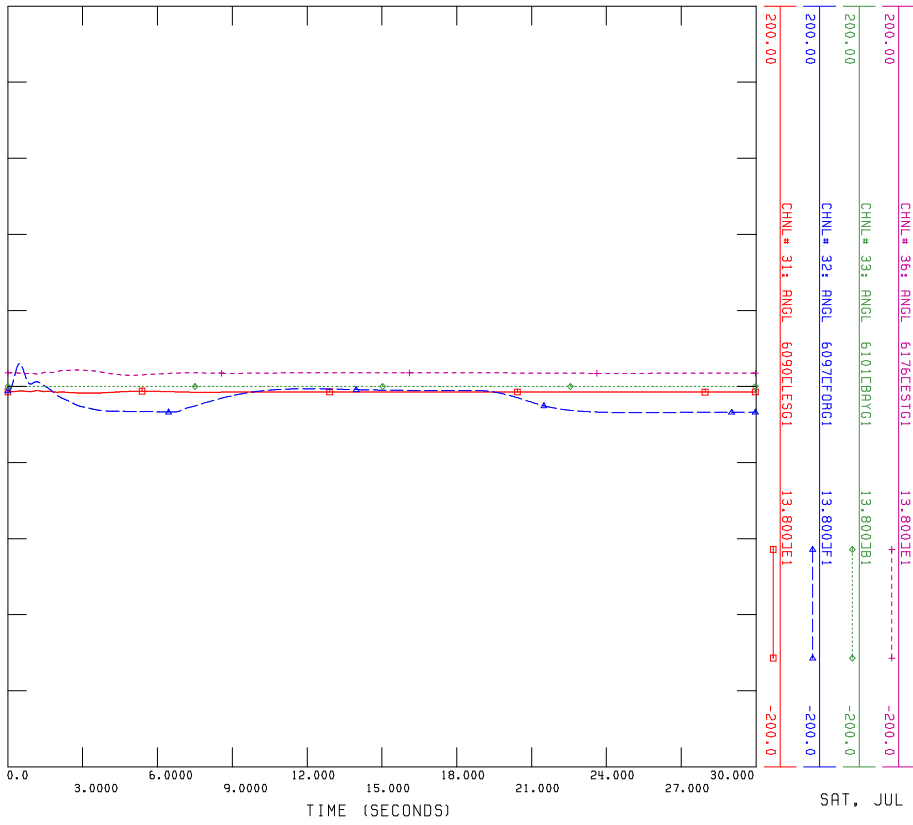




ANSP
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P010 3FS.
ÁNGULOS RELATIVOS EN MQUINRS HIDRAULICAS.

FILE: P010_SFS_01_2020CR-ModMed-LLuv.out

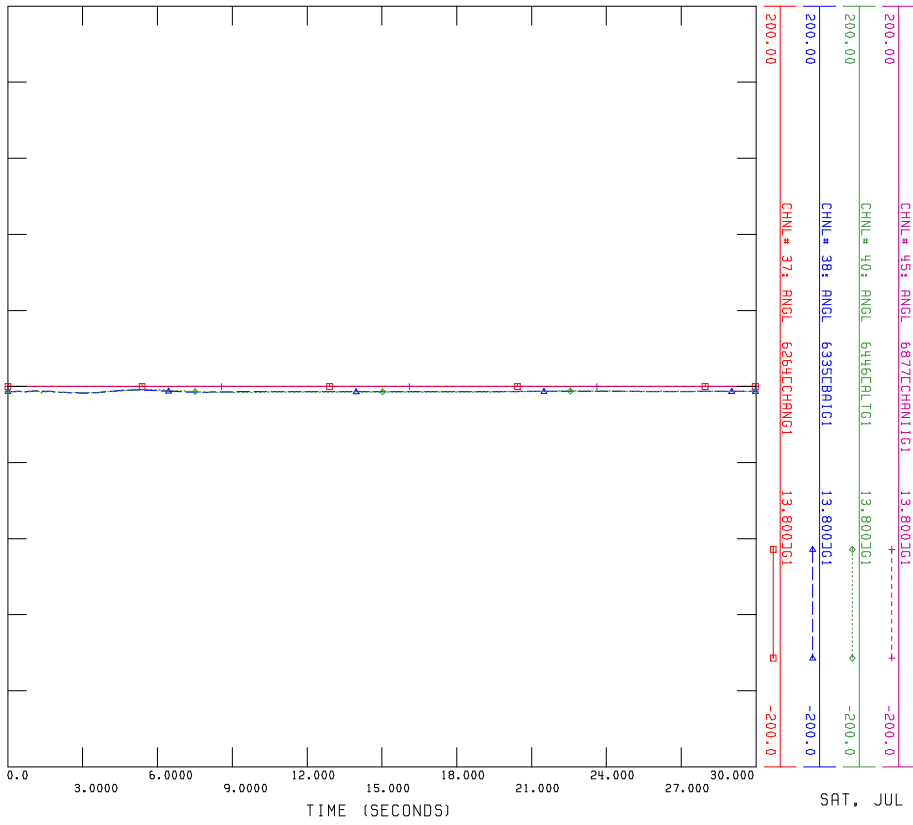


SAT, JUL 30 2016 14:48



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P010 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P010_3FS_01_2020CR-ModMed-LLuv.out



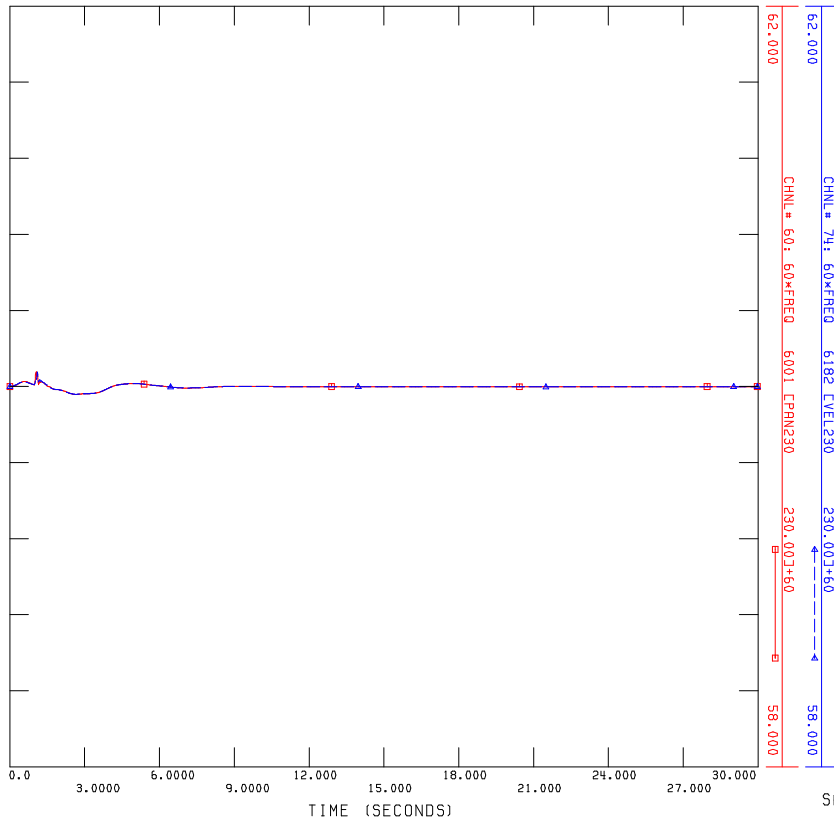
SAT, JUL 30 2016 14:48

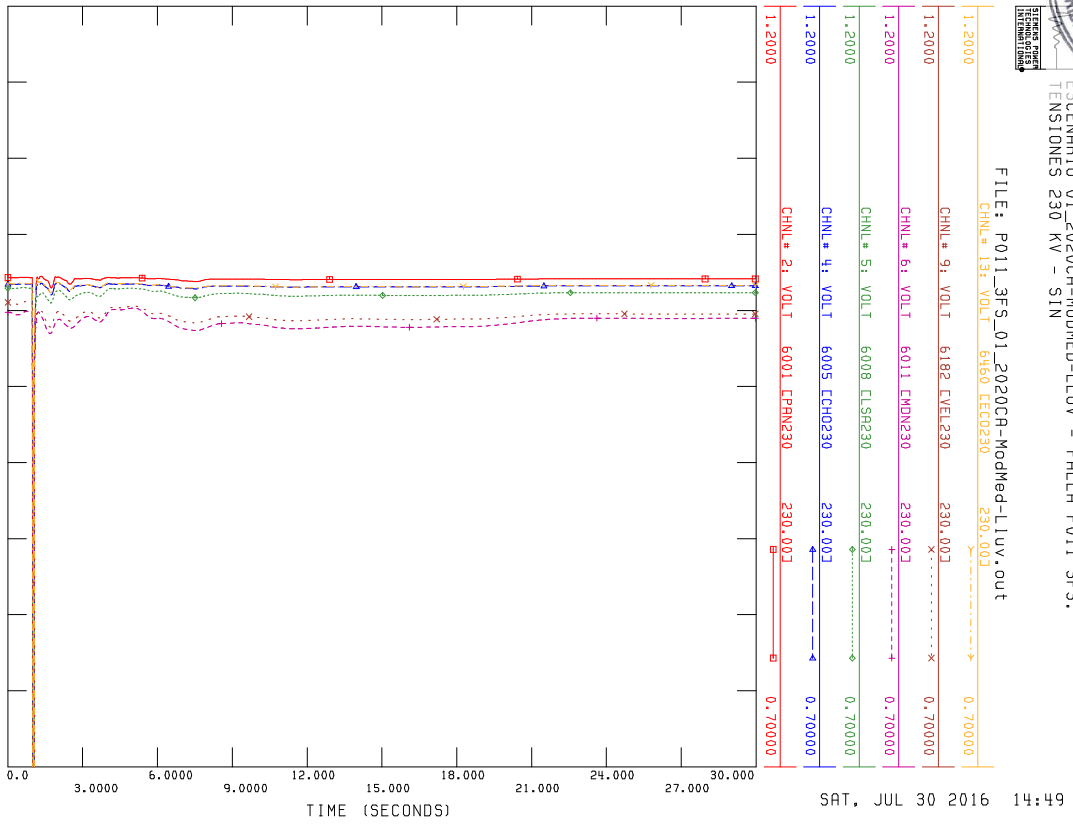


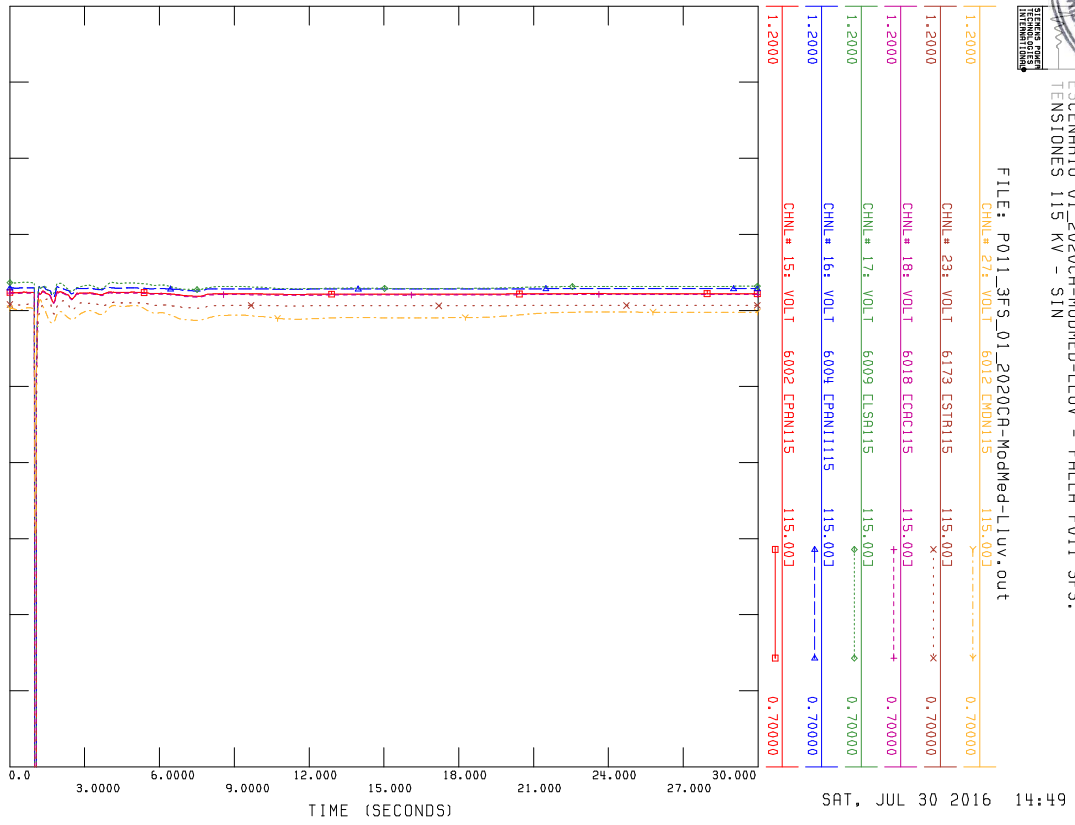
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P010 3FS.
FRECUENCIAS.

FILE: P010_SFS_01_2020CR-ModMed-LlUV.out

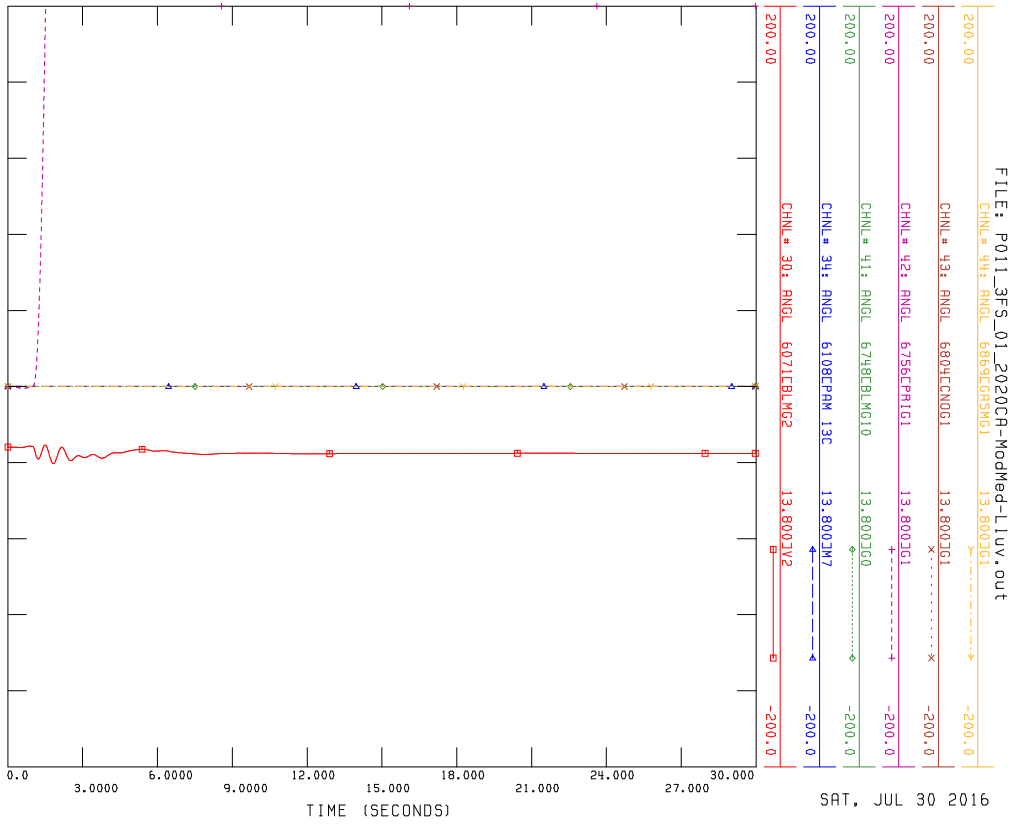








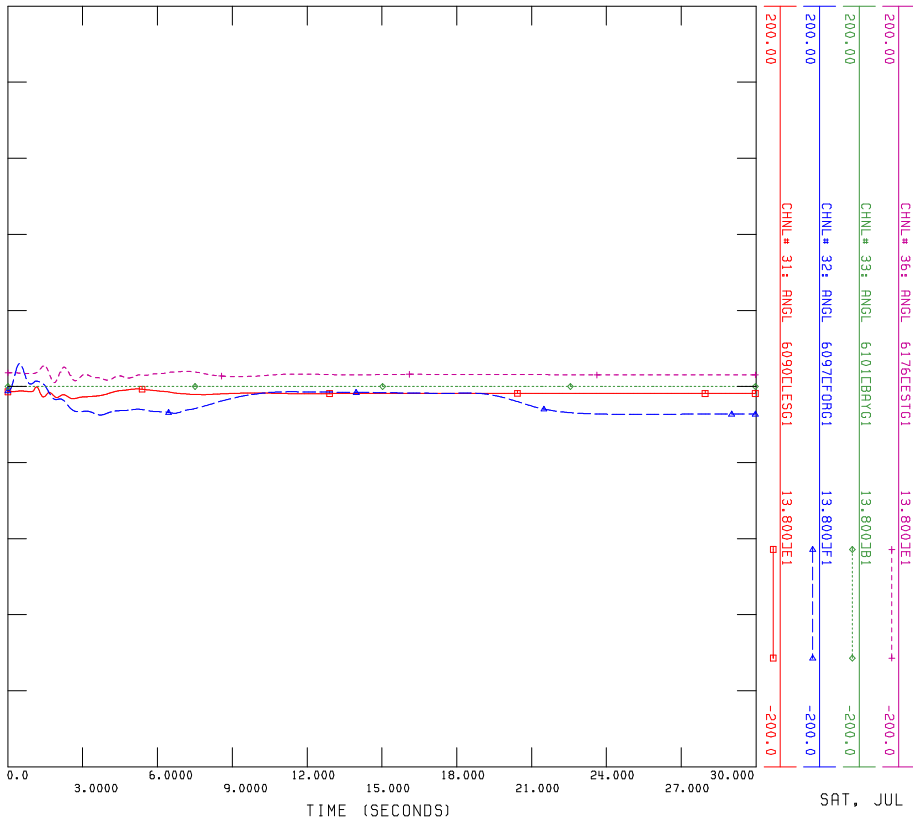
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P011 3FS.
 ANGULOS RELATIVOS EN MOJUNRS TERMICRS.





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P011 3FS.
ÁNGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P011_SFS_01_2020CR-ModMed-LLuv.out



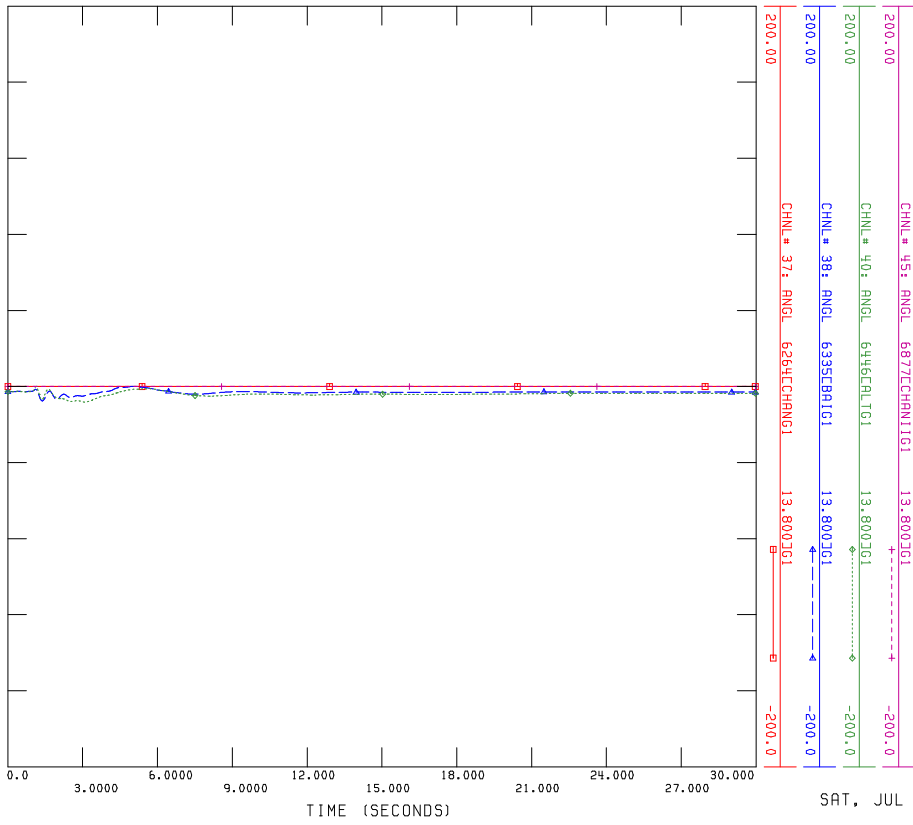
SAT, JUL 30 2016 14:49



100.00
 0.00
 -100.00
 -200.00
 -300.00
 -400.00
 -500.00
 -600.00
 -700.00
 -800.00
 -900.00
 -1000.00
 -1100.00
 -1200.00
 -1300.00
 -1400.00
 -1500.00
 -1600.00
 -1700.00
 -1800.00
 -1900.00
 -2000.00
 -2100.00
 -2200.00
 -2300.00
 -2400.00
 -2500.00
 -2600.00
 -2700.00
 -2800.00
 -2900.00
 -3000.00

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P011 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P011_SFS_01_2020CR-ModMed-LLuv.out



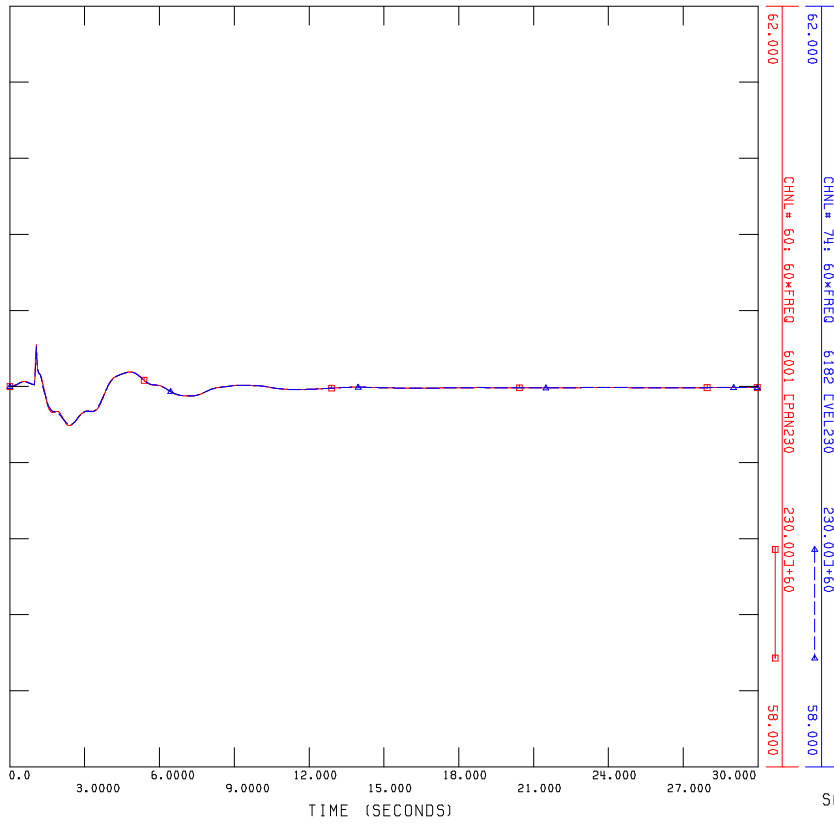
SAT, JUL 30 2016 14:49

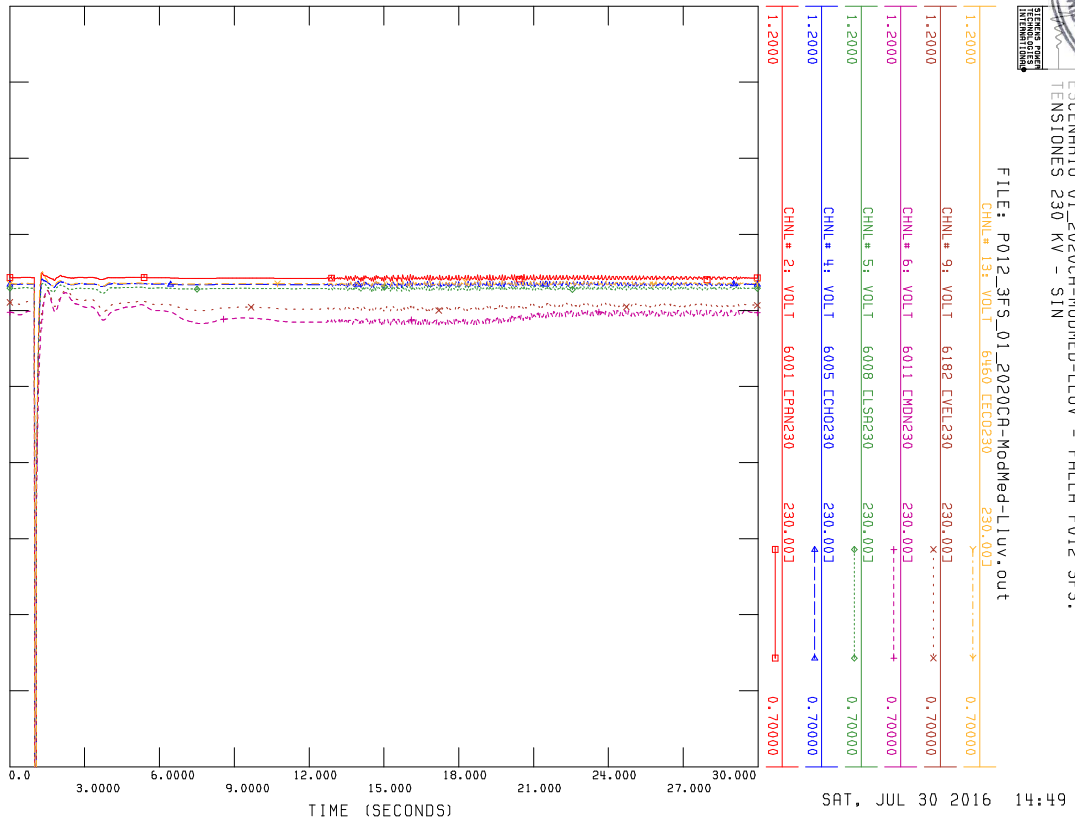


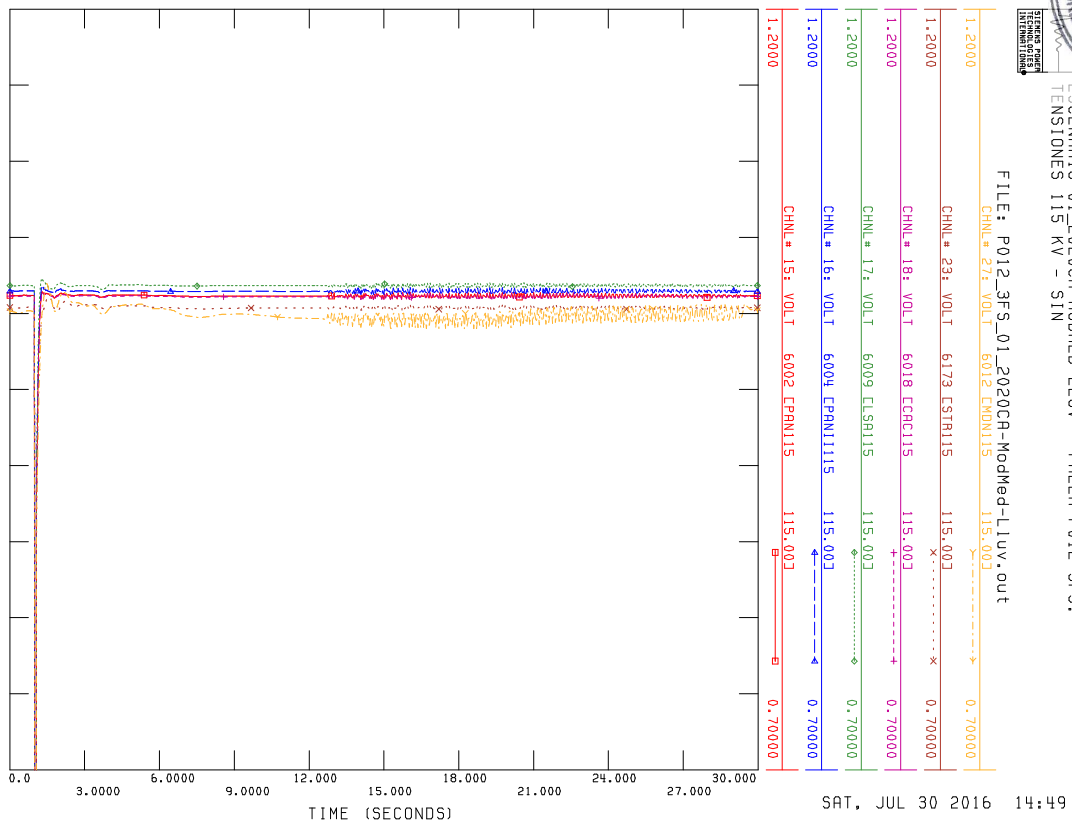
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P011 3FS.
FRECUENCIAS.

FILE: P011_SFS_01_2020CR-ModMed-Lluv.out

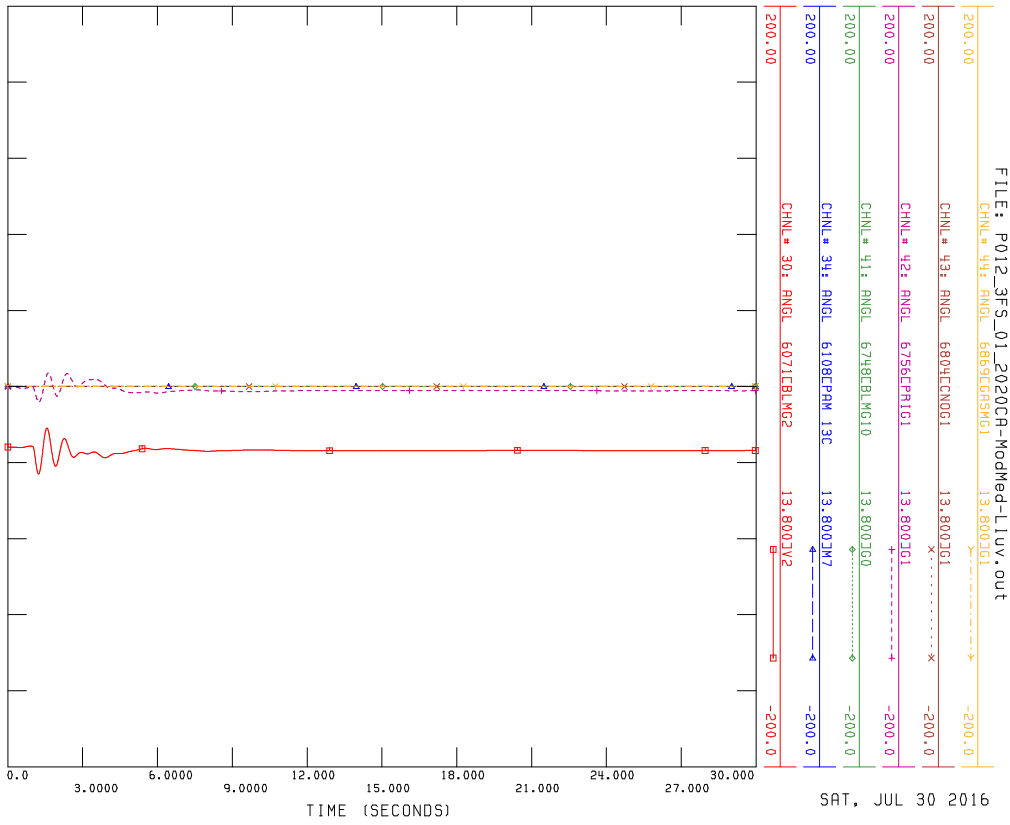








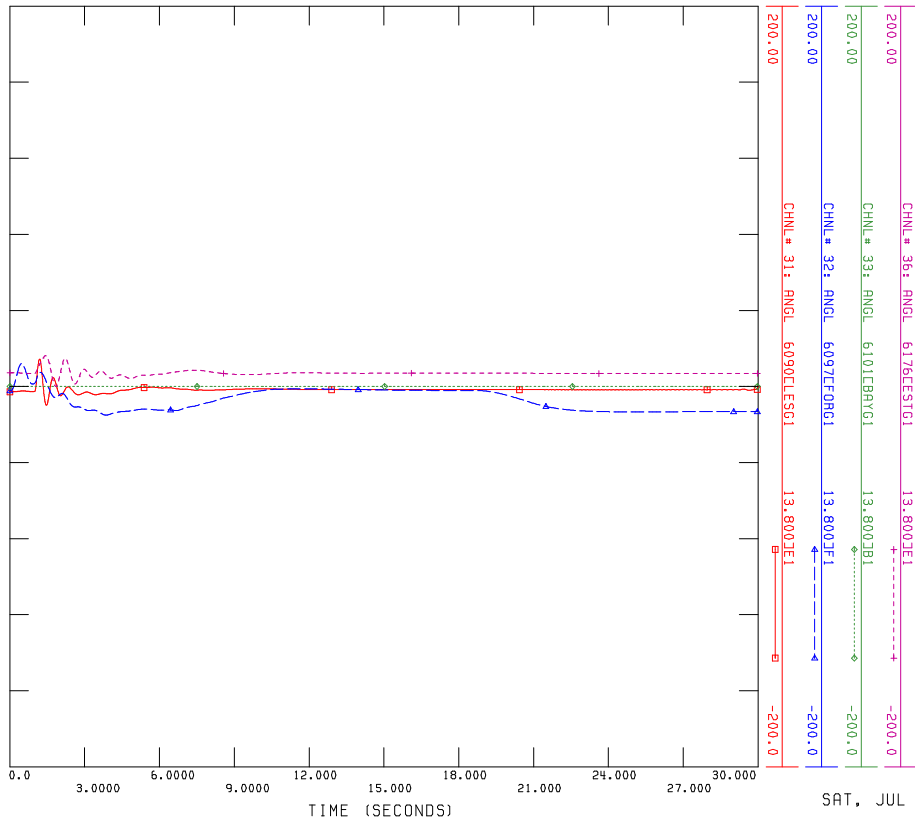
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P012 3FS.
 ANGULOS RELATIVOS EN MOQUINNS TERCICAS.





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P012 3FS.
ÁNGULOS RELATIVOS EN MARQUINAS HIDRAULICAS.

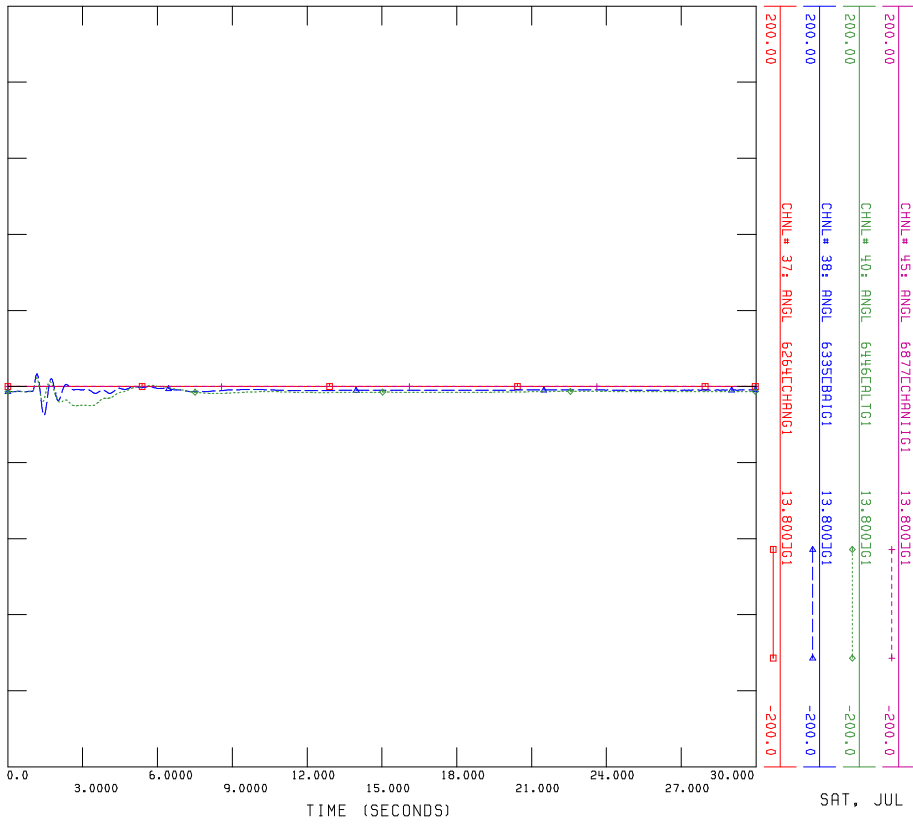
FILE: P012_SFS_01_2020CR-ModMed-LLuv.out





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P012 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P012_SFS_01_2020CR-ModMed-LLuv.out



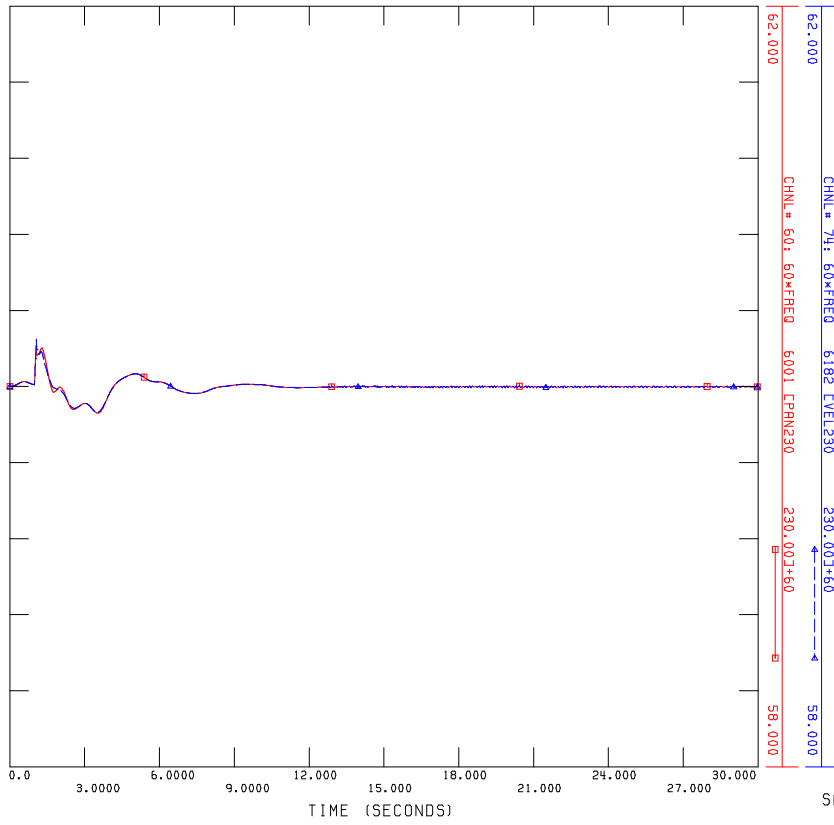
SAT, JUL 30 2016 14:49



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PUBLICOS

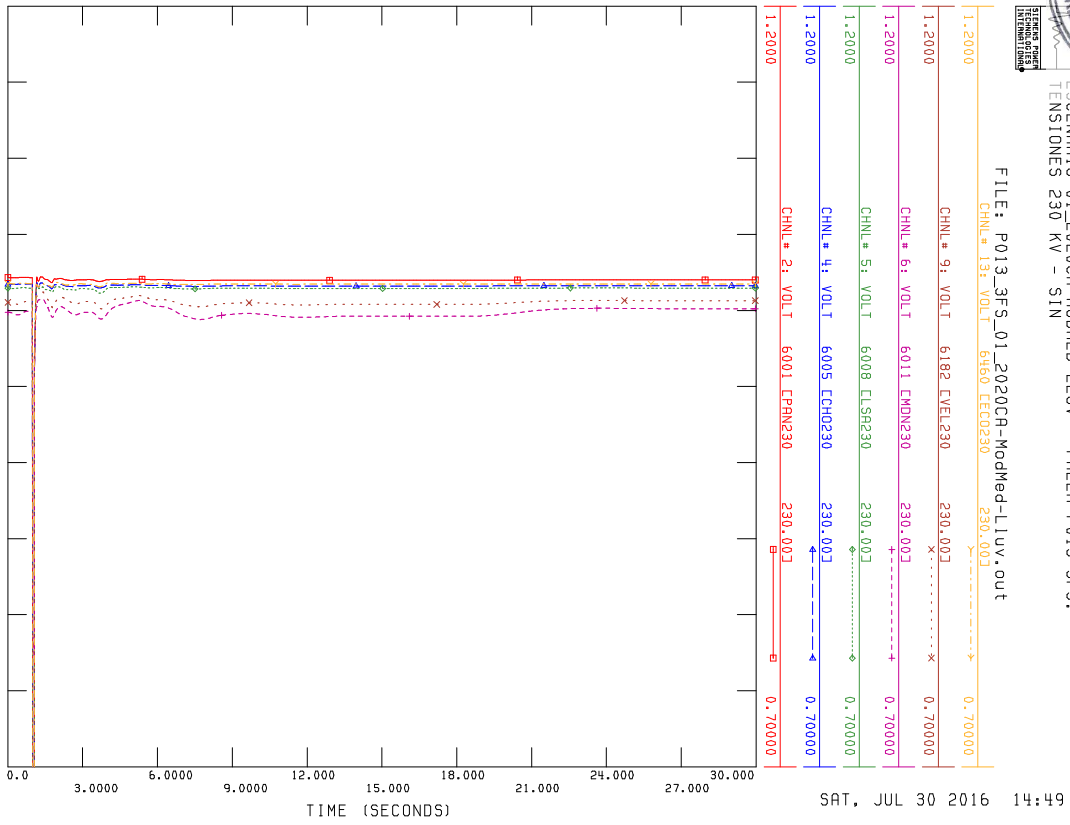
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P012 3FS.
FRECUENCIAS.

FILE: P012_SFS_01_2020CR-ModMed-LLuv.out



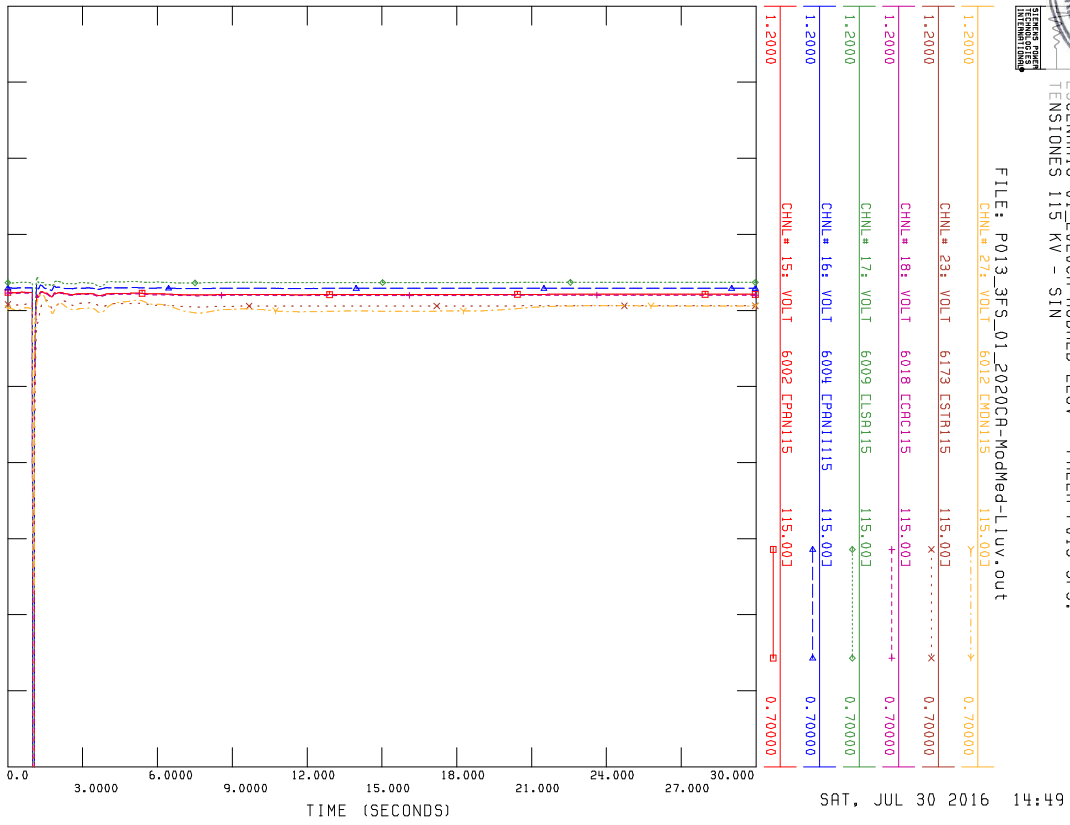


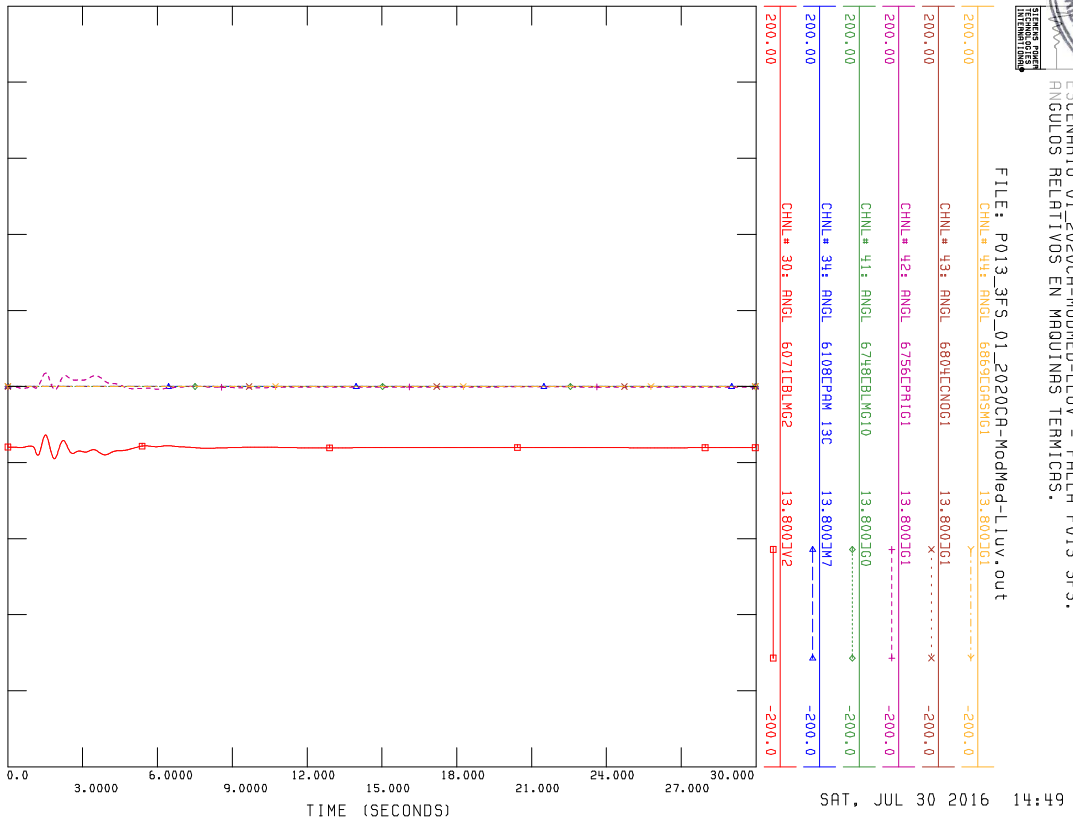
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P013 3FS.
 TENSIONES 230 KV - SIN





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



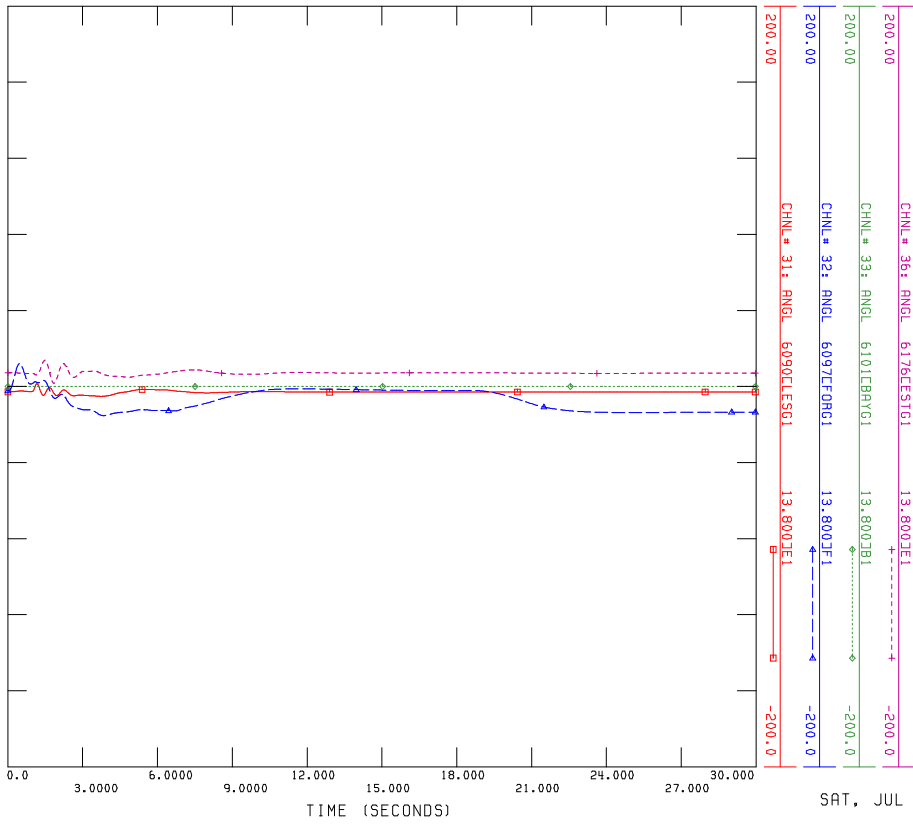




ANSP
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P013 3FS.
ÁNGULOS RELATIVOS EN MARQUINAS HIDRAULICAS.

FILE: P013_3FS_01_2020CR-MODMED-LLUV.out

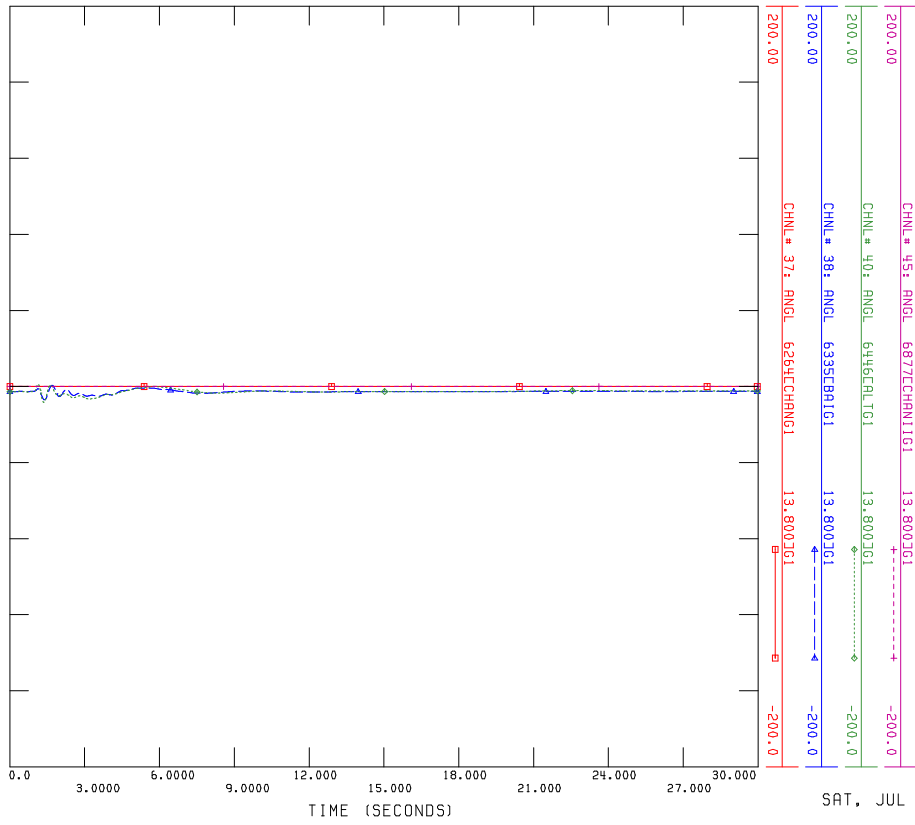


SAT, JUL 30 2016 14:49



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P013 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P013_3FS_01_2020CR-ModMed-LLuv.out

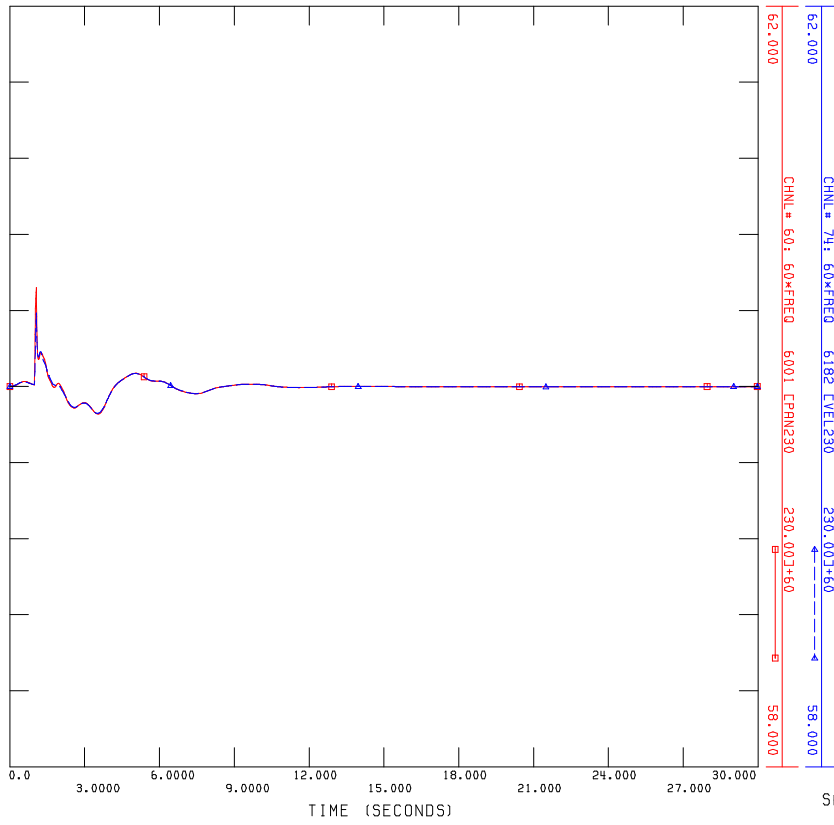


SAT, JUL 30 2016 14:49

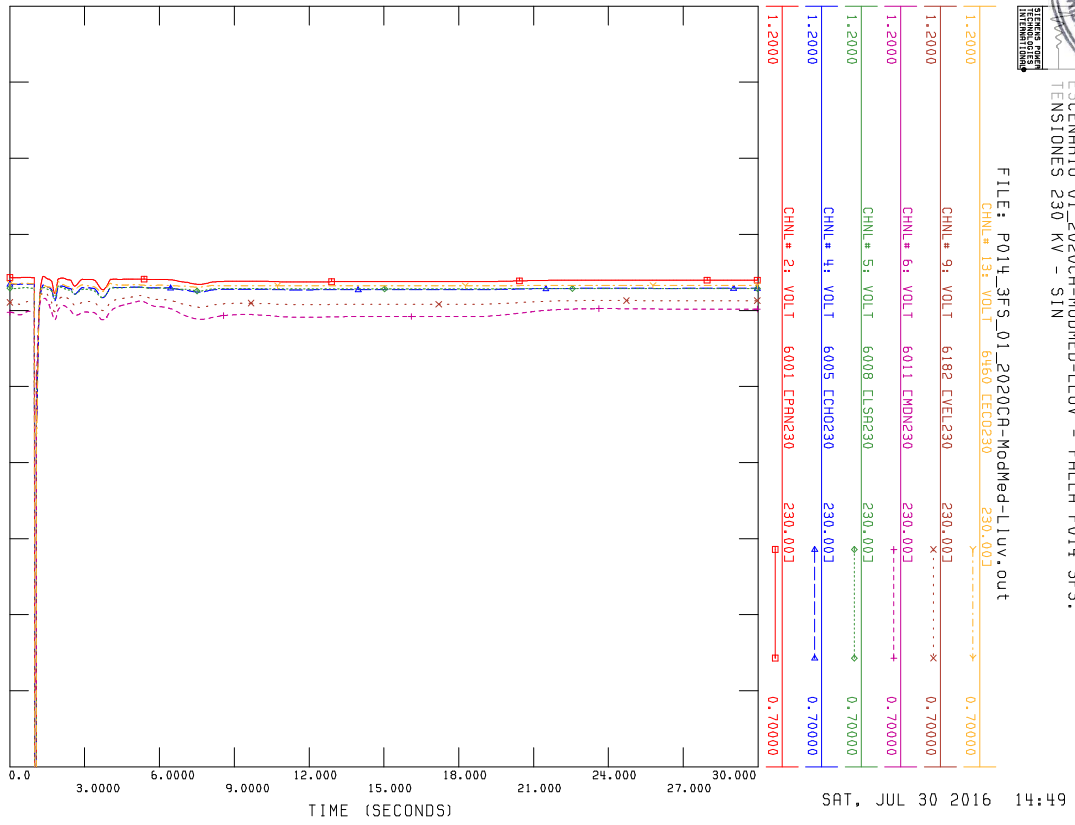


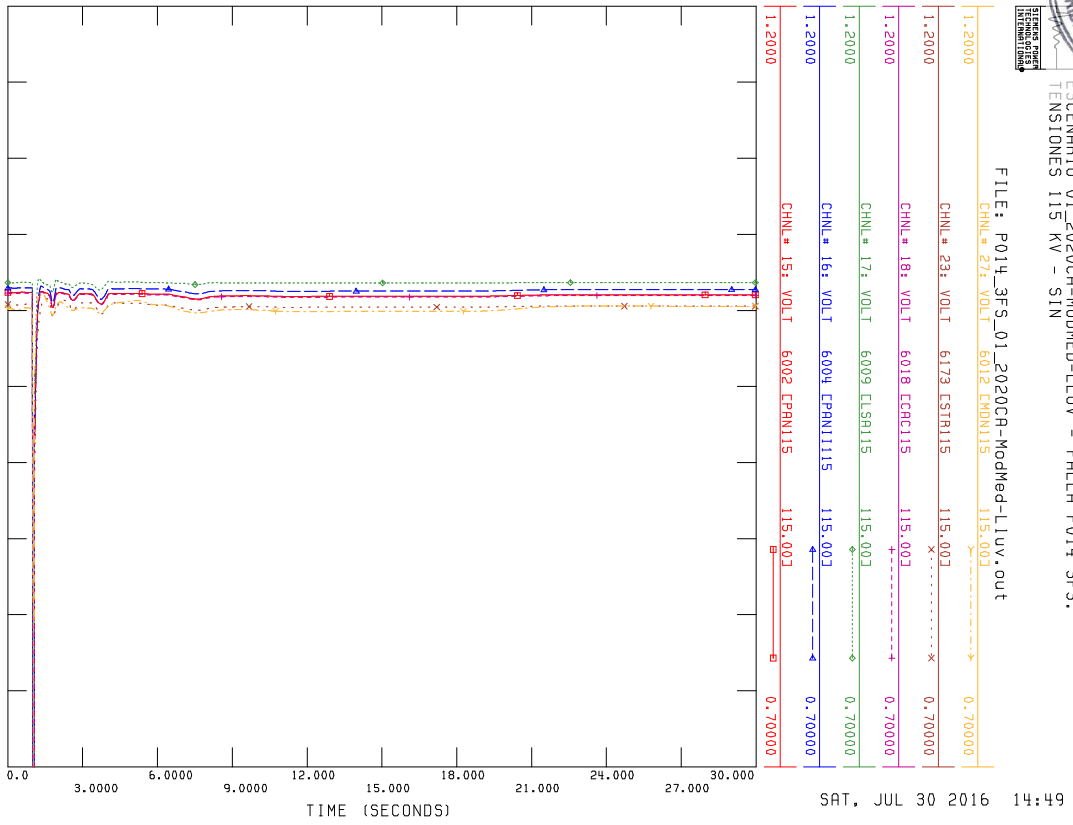
ESCENARIO 01_2020CR-MODMED-LLUV - FALTA P013 3FS.
 FRECUENCIAS.

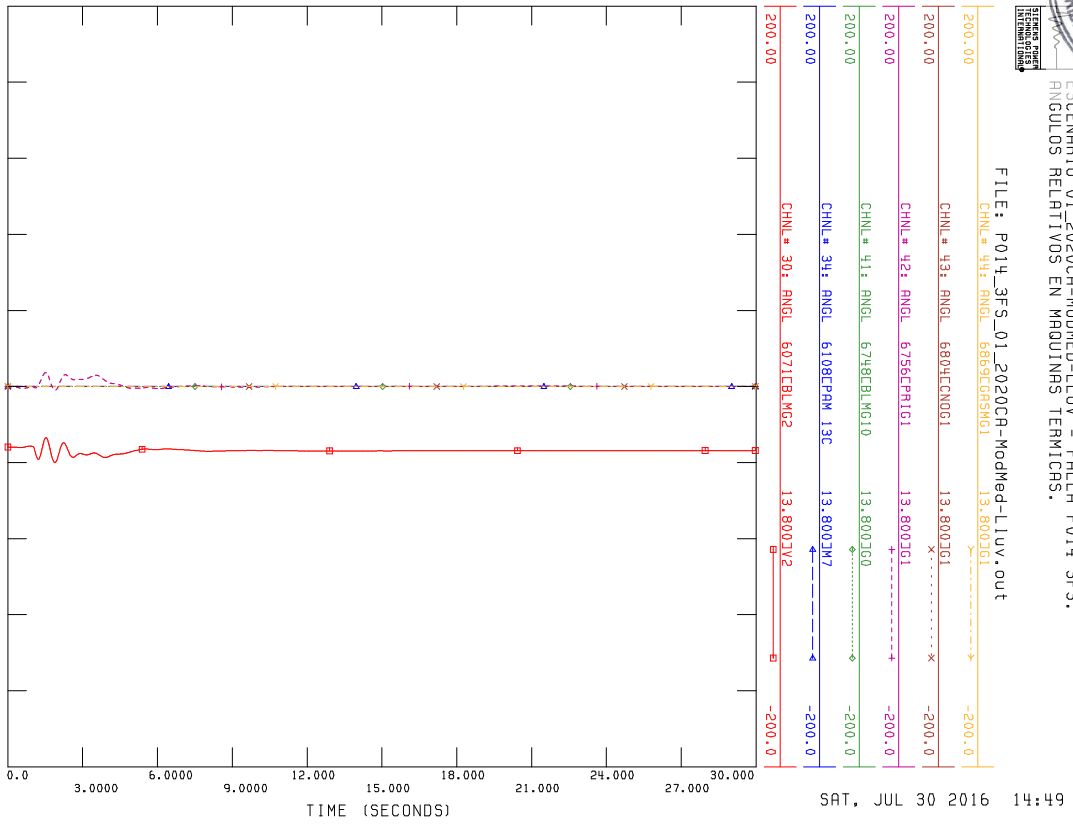
FILE: P013_3FS_01_2020CR-ModMed-Lluv.out



SAT, JUL 30 2016 14:49



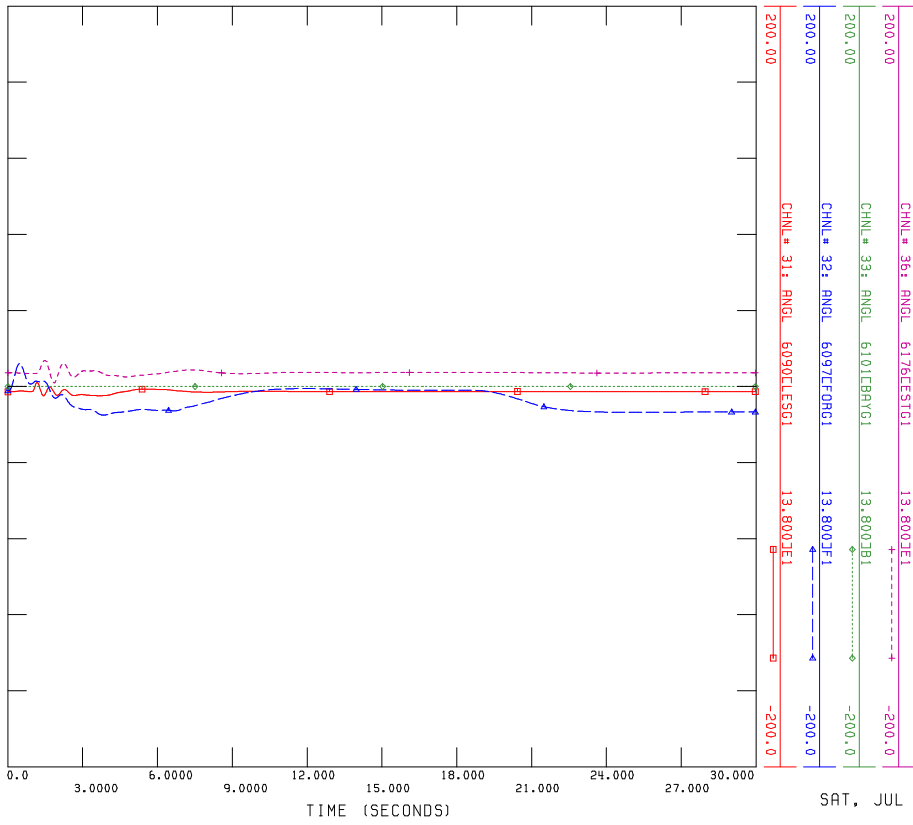






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P014_3FS.
ÁNGULOS RELATIVOS EN MARQUINNS HIDRAULICAS.

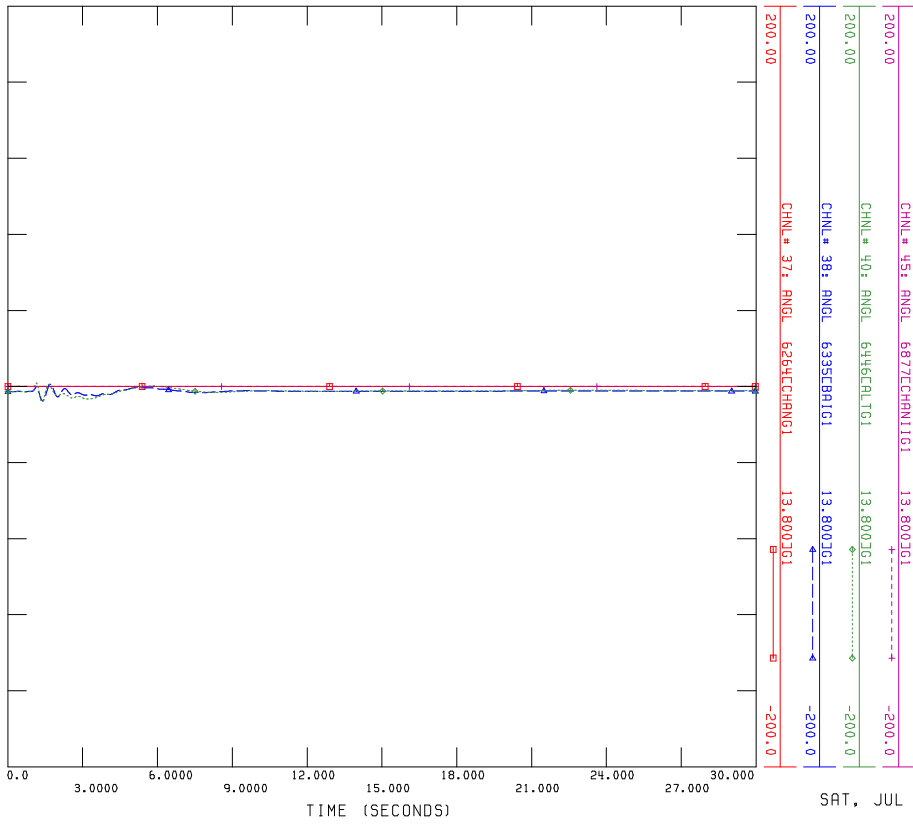
FILE: P014_SFS_01_2020CR-ModMed-LLuv.out





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P014_3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P014_3FS_01_2020CR-ModMed-LLuv.out

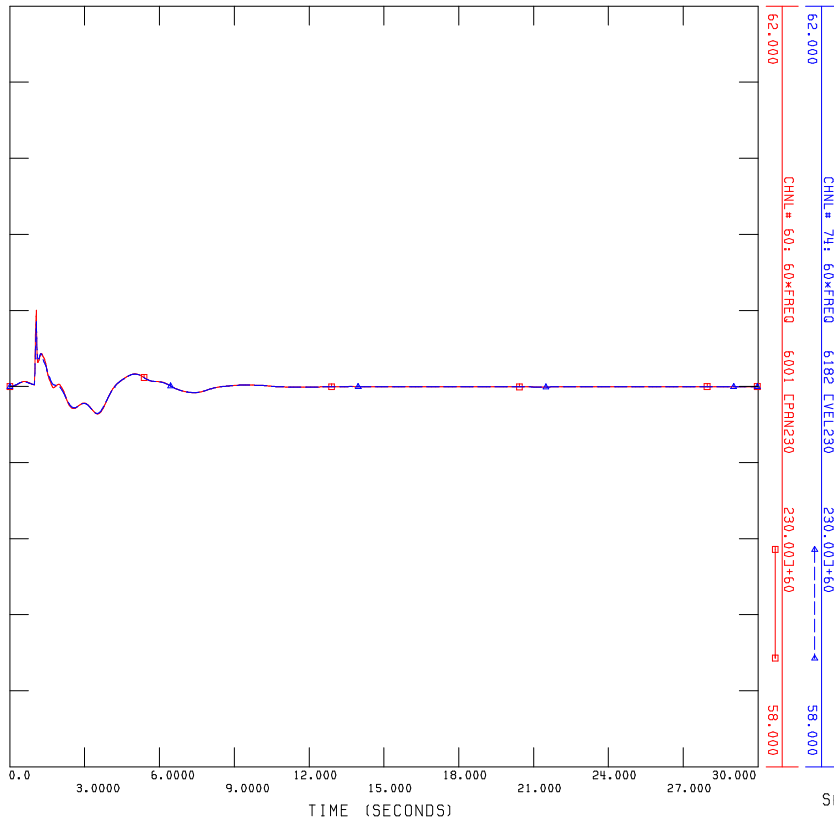


SAT, JUL 30 2016 14:49



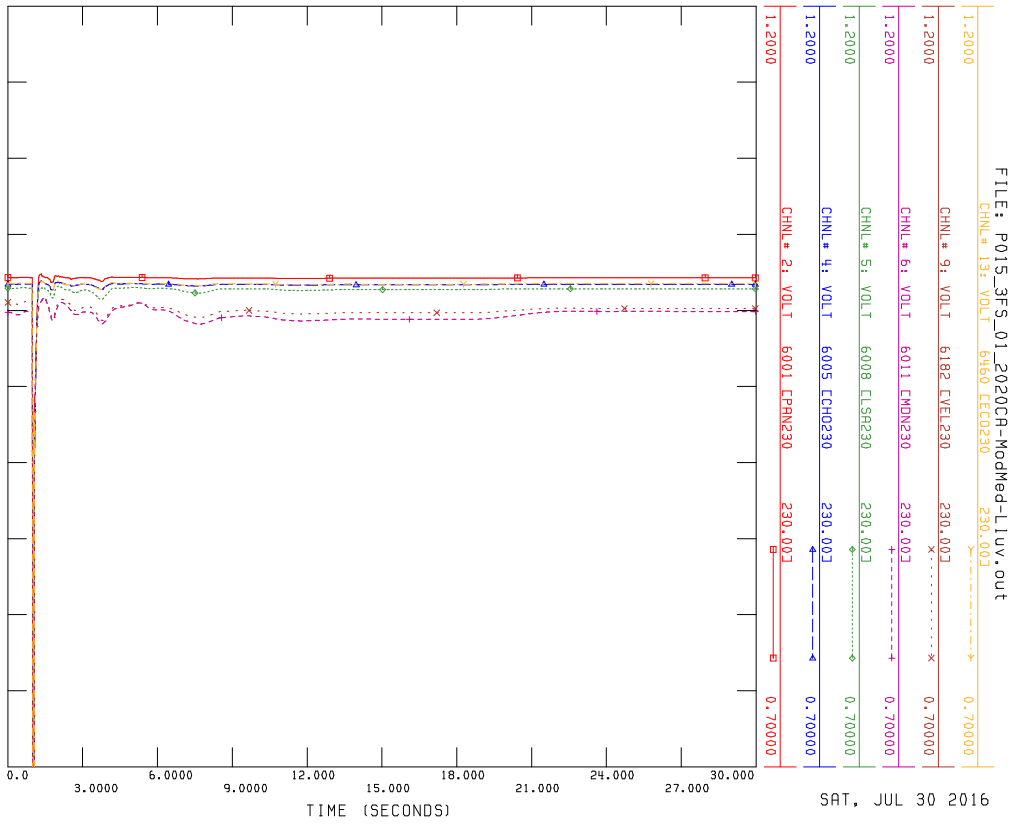
ESCENARIO 01_2020CR-MODMED-LLUV - FALTA P014_3FS.
FRECUENCIAS.

FILE: P014_SFS_01_2020CR-ModMed-LlUV.out



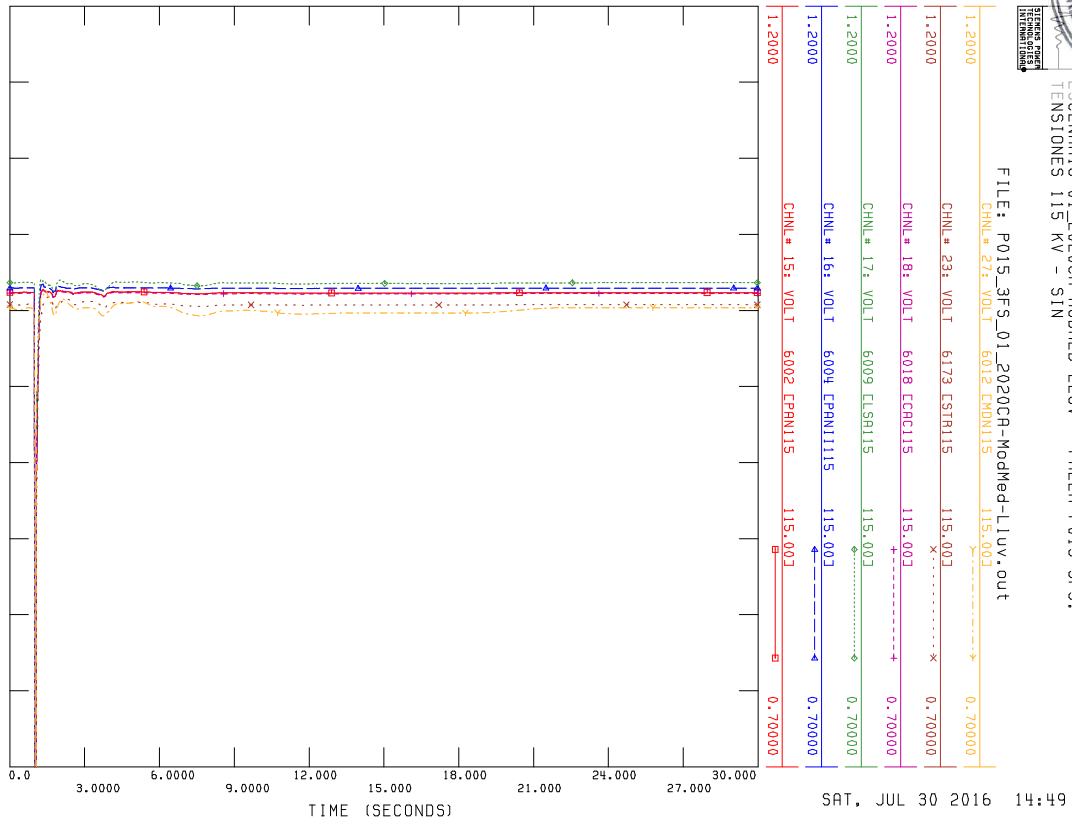


ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
TENSIONES 230 KV - SIN



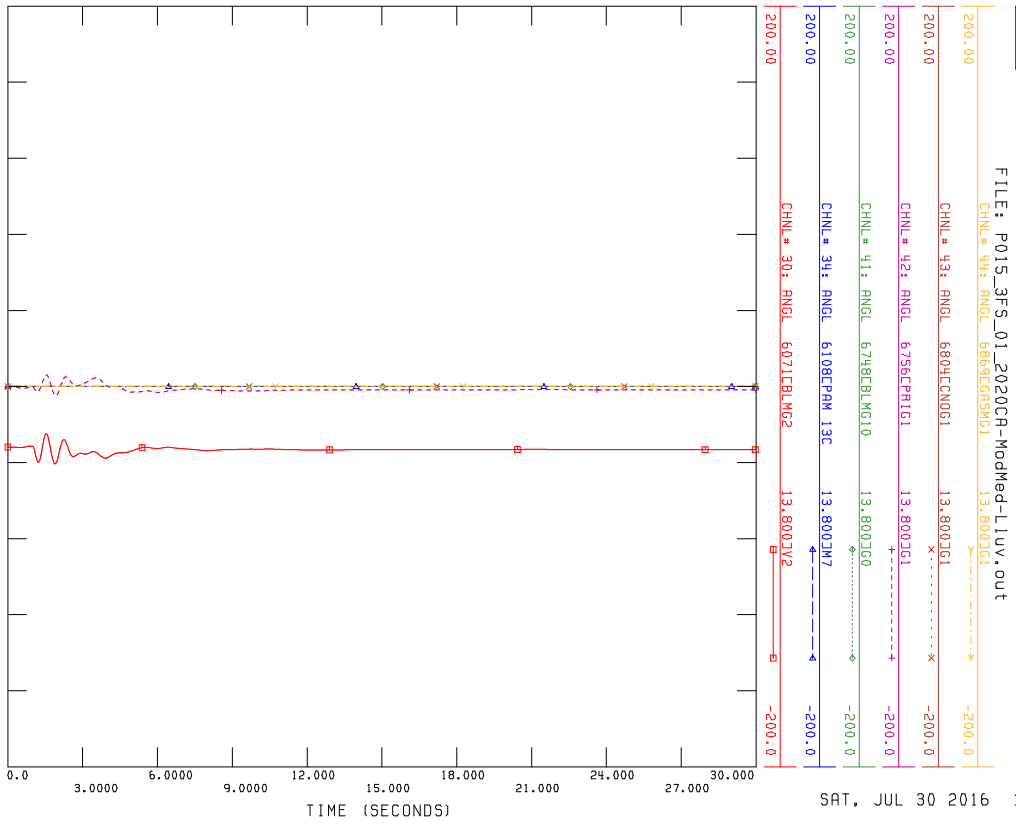


ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
TENSIONES 115 KV - SIN





ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
ANGULOS RELATIVOS EN MOJUNRS TERCICAS.

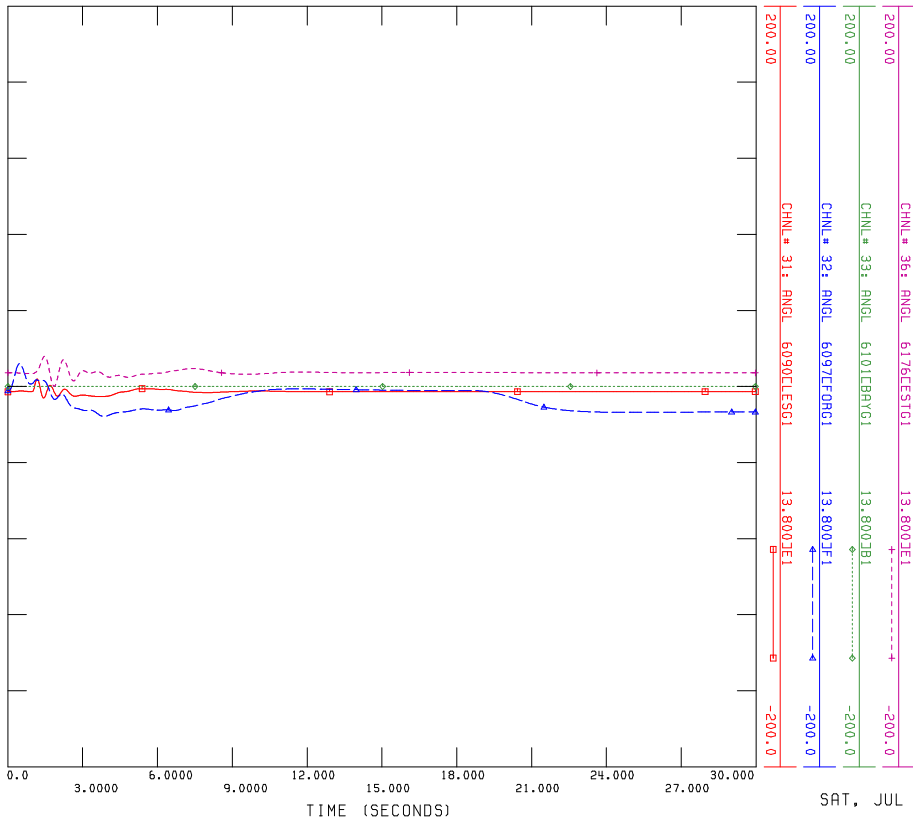


SAT, JUL 30 2016 14:49



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
 ANGULOS RELATIVOS EN MAQUINAS HIDRAULICAS.

FILE: P015_3FS_01_2020CR-ModMed-LLuv.out

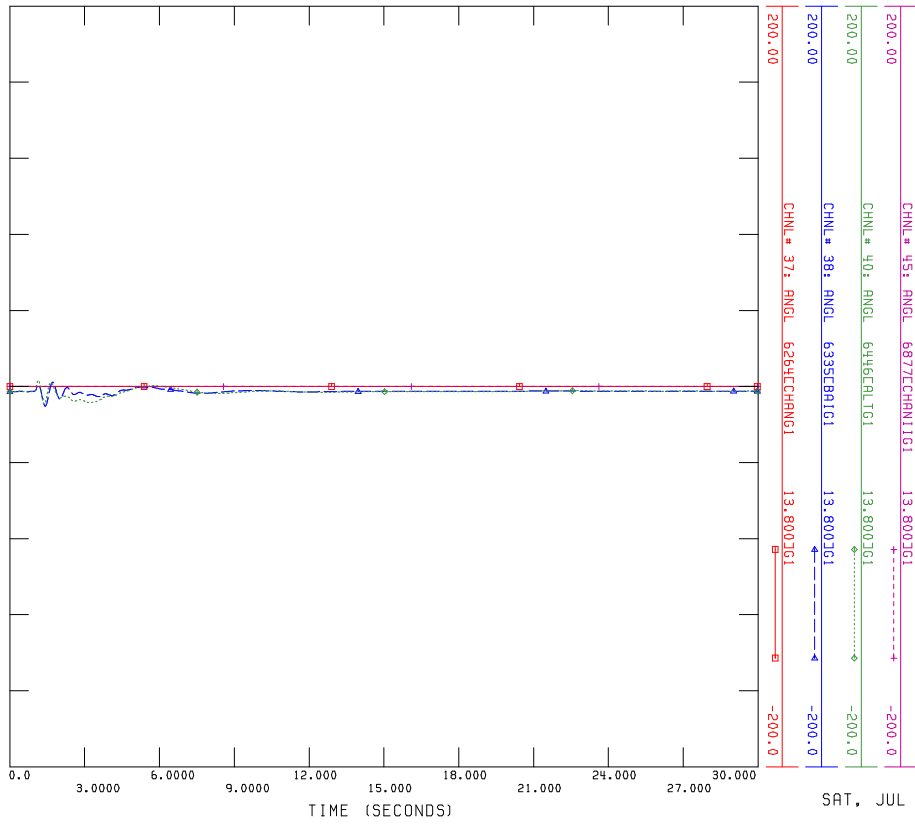


SAT, JUL 30 2016 14:49



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P015_3FS_01_2020CR-ModMed-LLuv.out



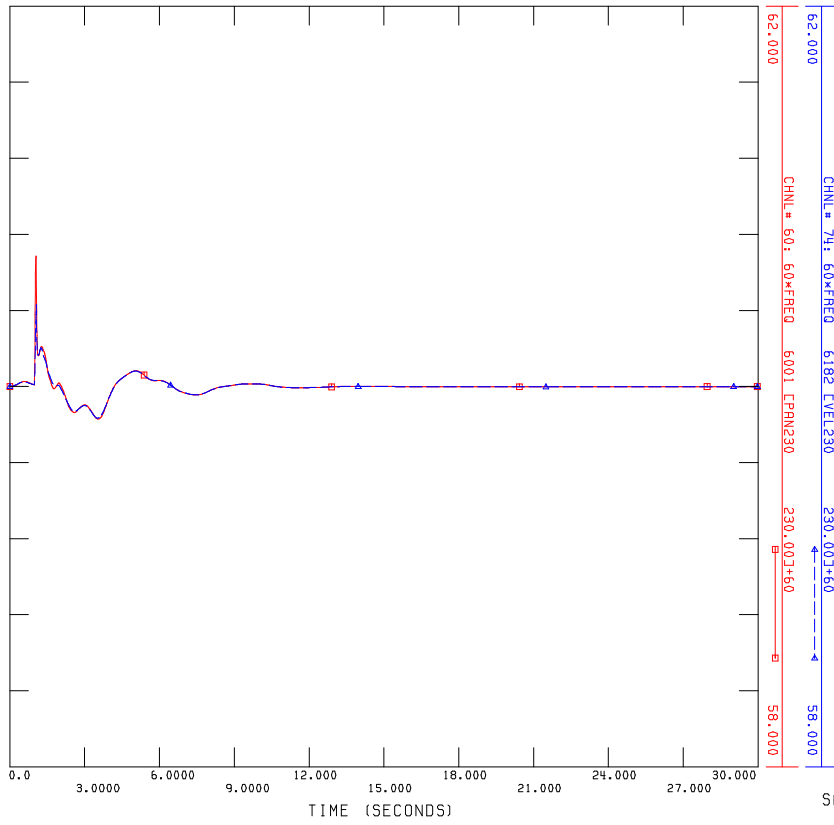
SAT, JUL 30 2016 14:50



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

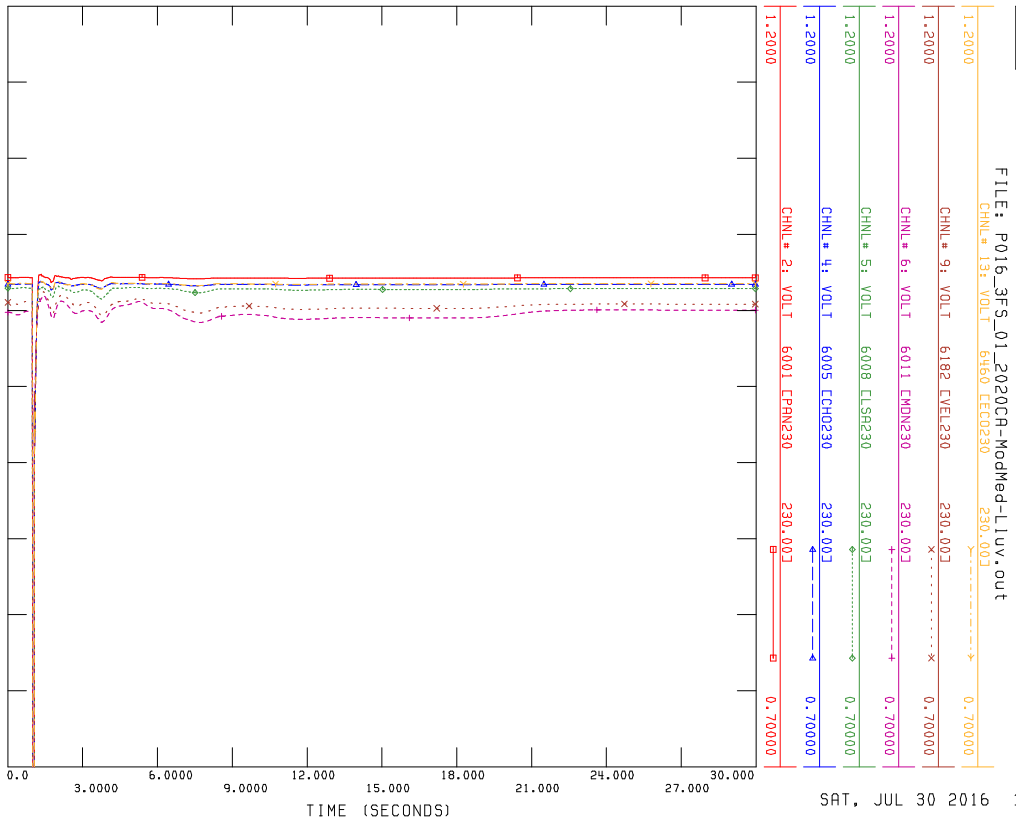
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P015 3FS.
FRECUENCIAS.

FILE: P015_3FS_01_2020CR-ModMed-LLuv.out



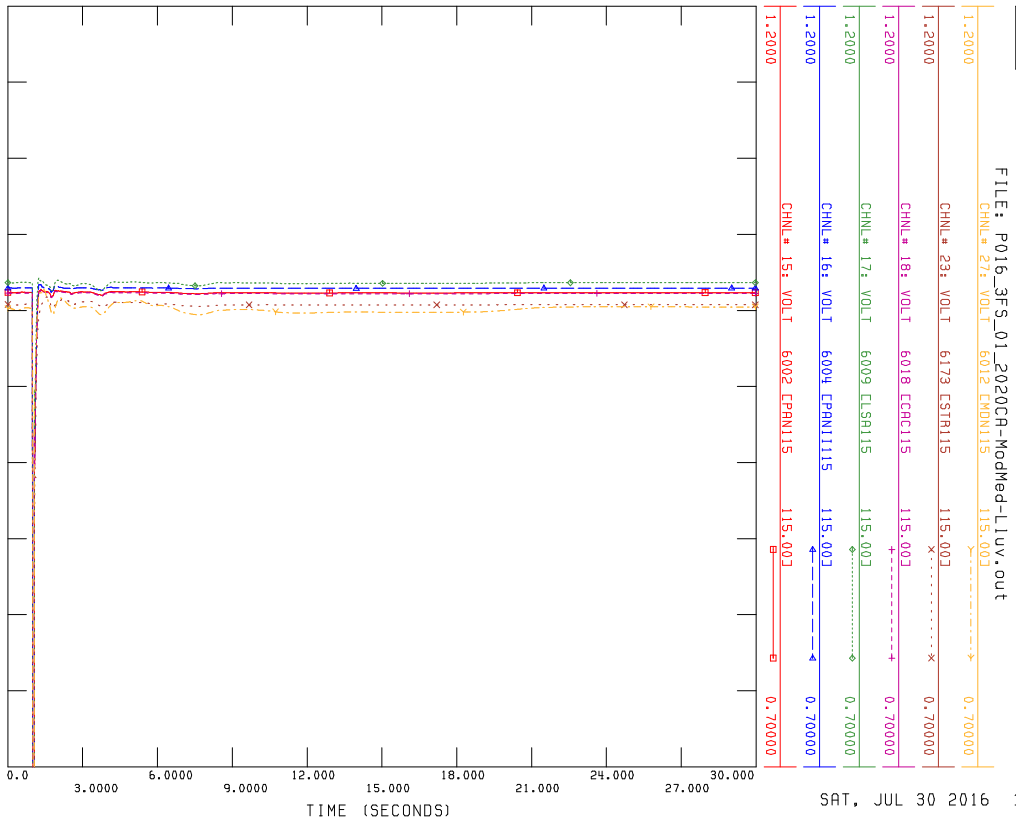


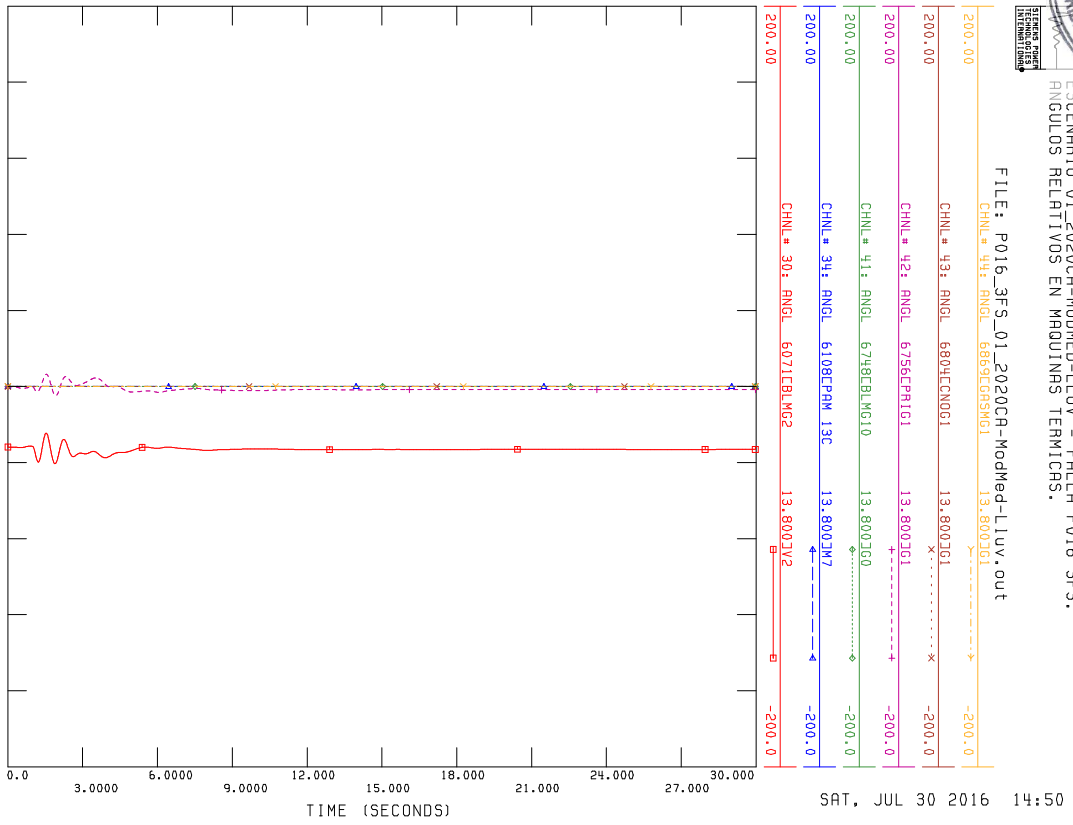
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P016 3FS.
TENSIONES 230 KV - SIN





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

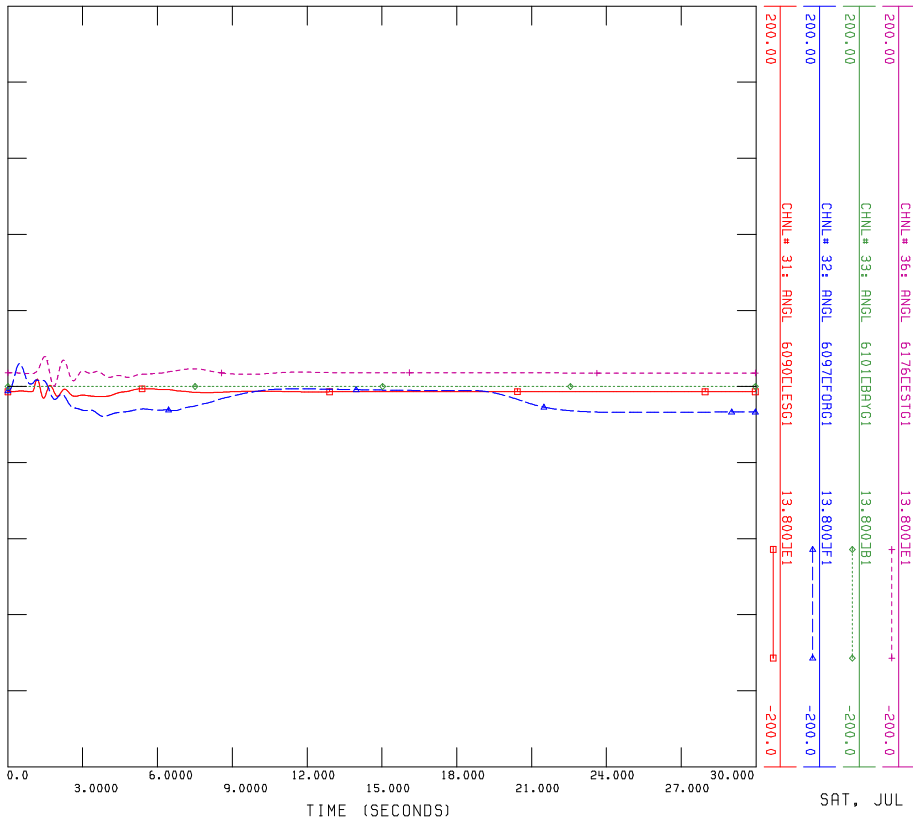






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P016 3FS.
 ANGULOS RELATIVOS EN MQUINRS HIDRAULICAS.

FILE: P016_3FS_01_2020CR-ModMed-LLuv.out

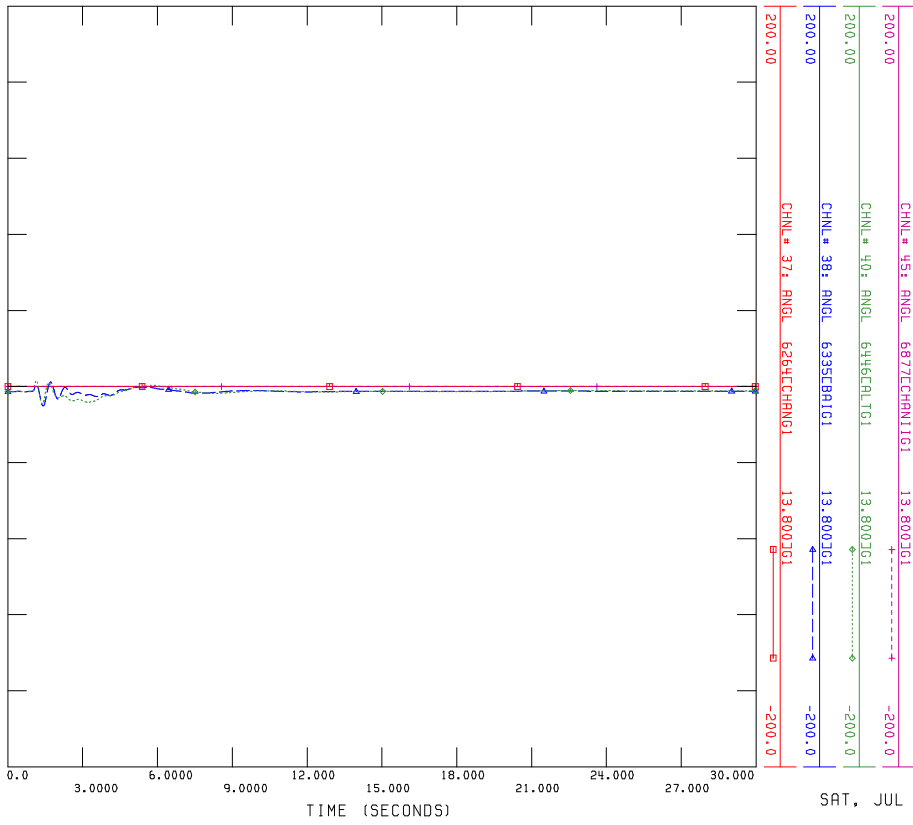


SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P016 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P016_3FS_01_2020CR-ModMed-LLuv.out

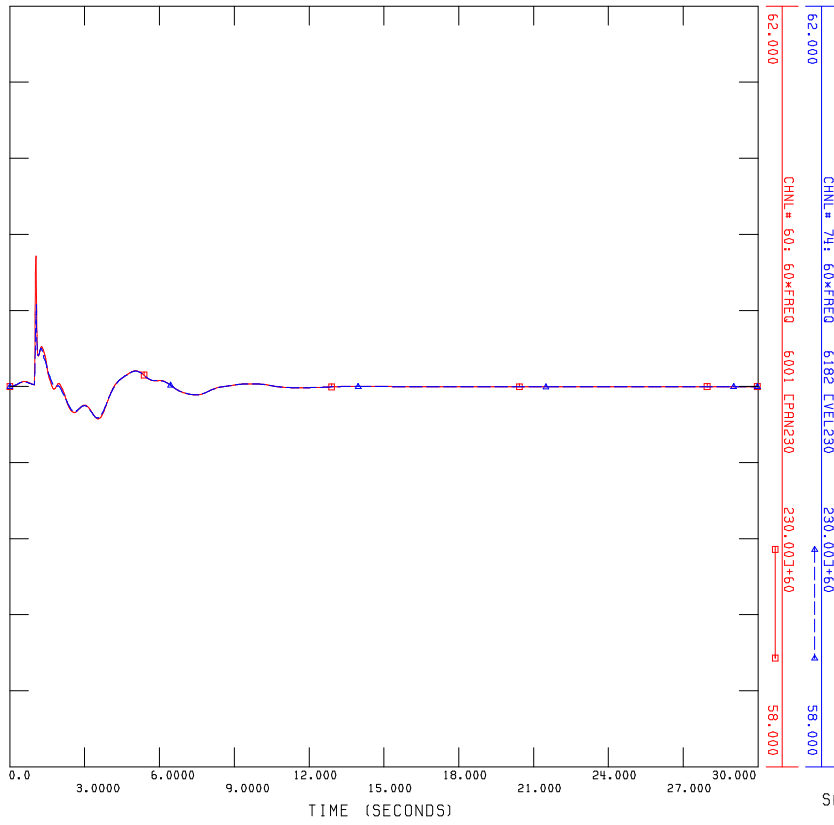




REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P016 3FS.
FRECUENCIAS.

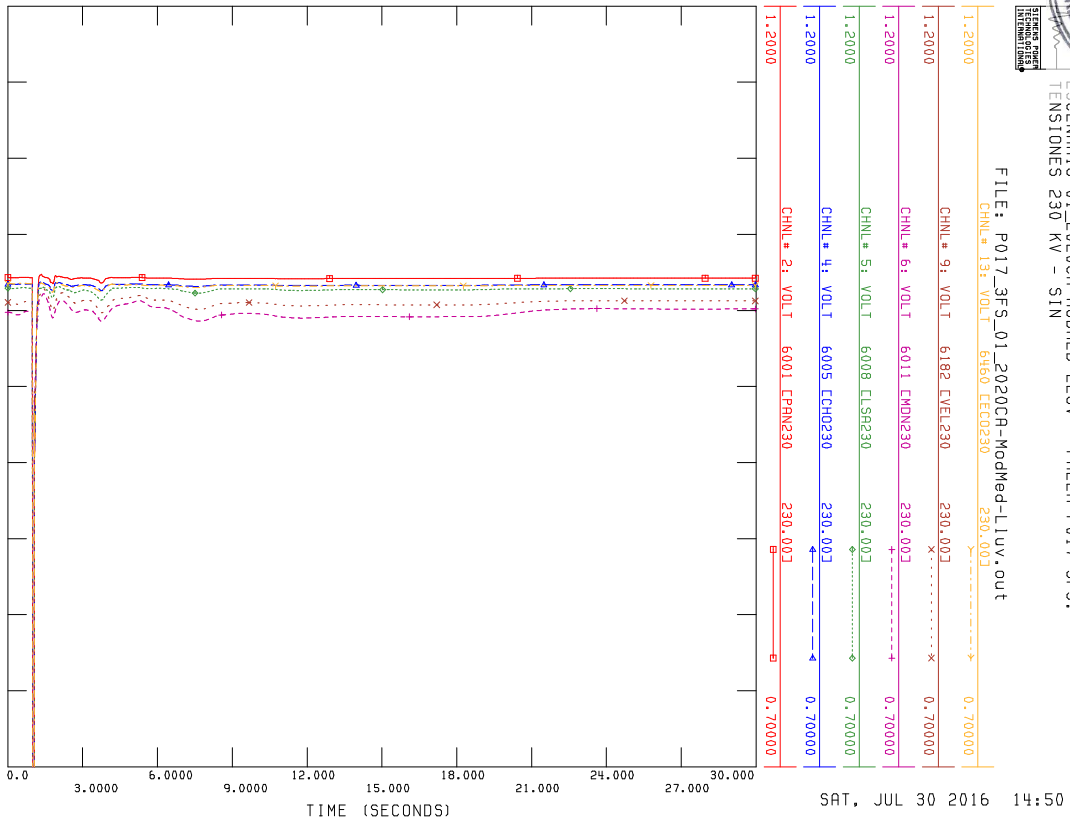
FILE: P016_3FS_01_2020CR-ModMed-LLuv.out

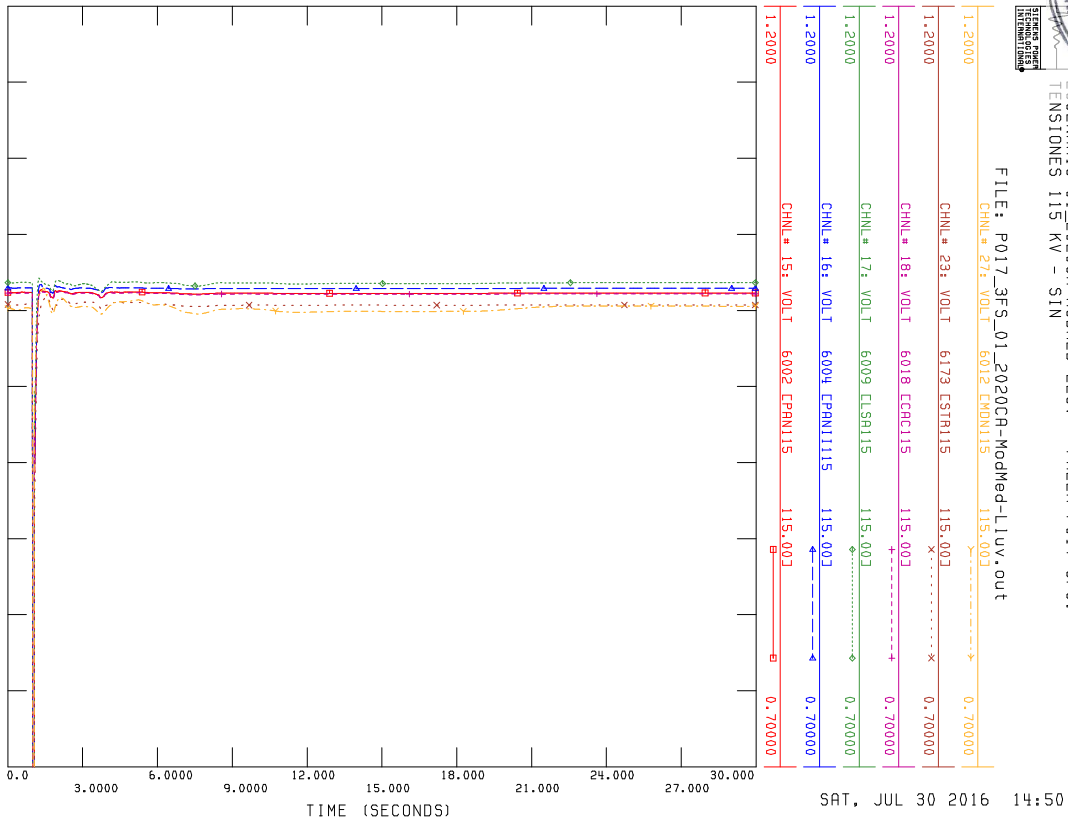


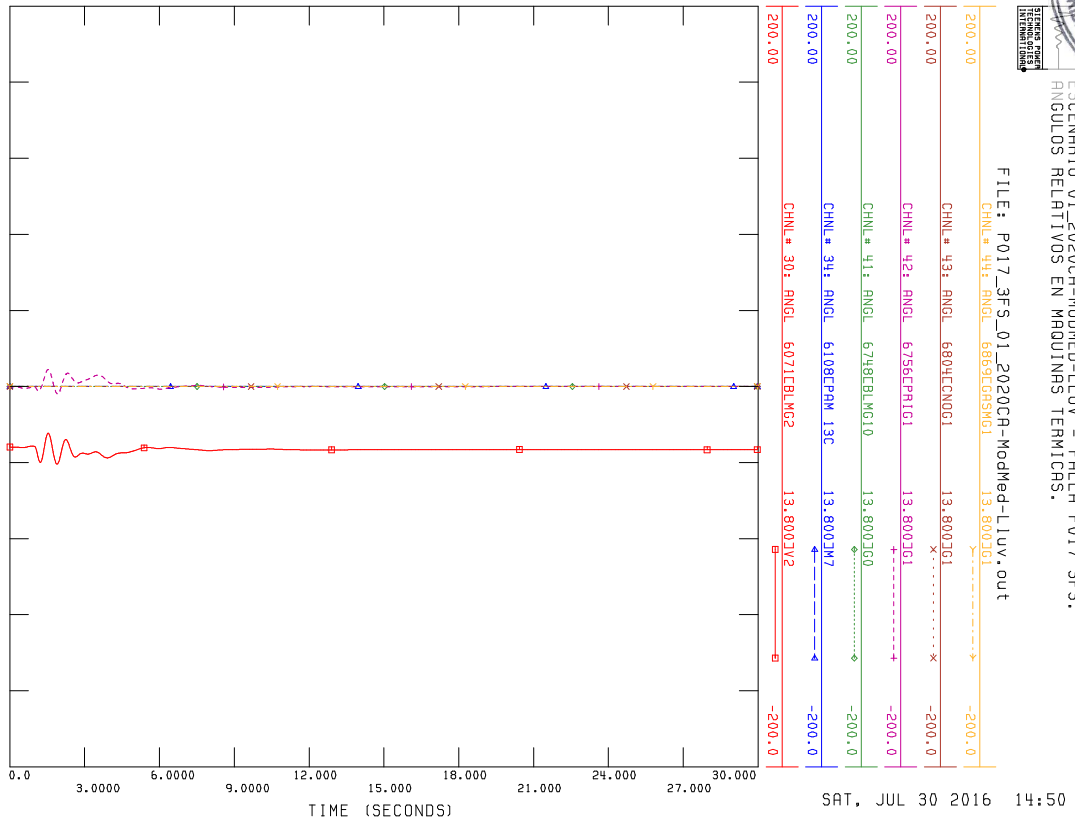
SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P017 3FS.
TENSIONES 230 KV - SIN



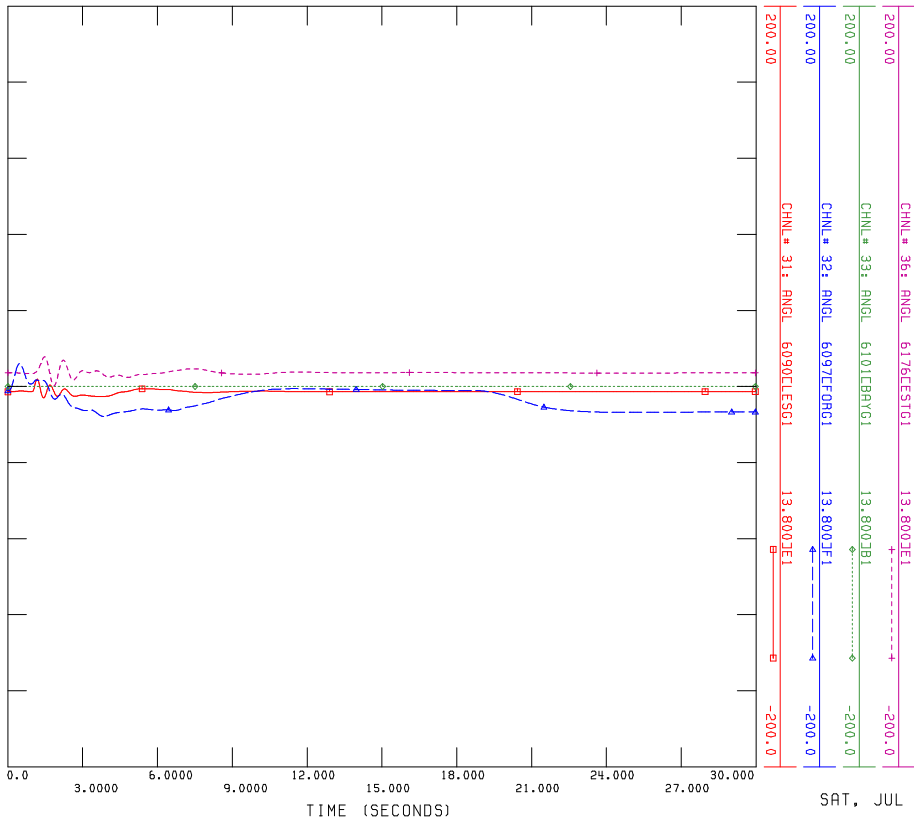






ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P017 3FS.
ÁNGULOS RELATIVOS EN MARQUINNS HIDRAULICAS.

FILE: P017_SFS_01_2020CR-MODMED-LLUV.out

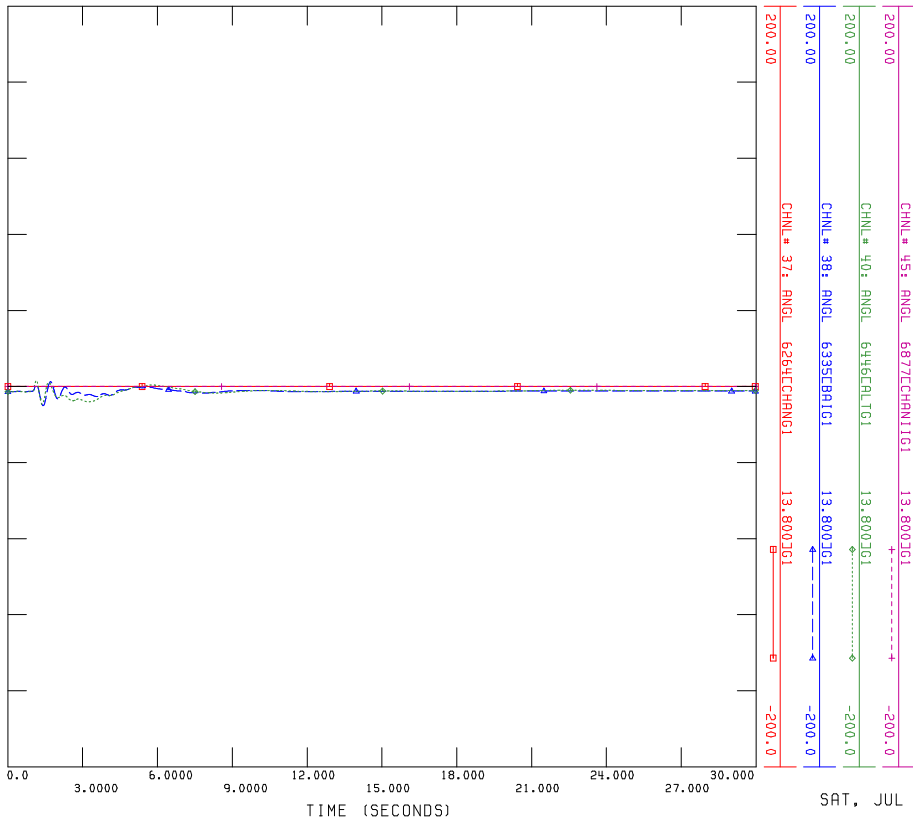


SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P017 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P017_SFS_01_2020CR-ModMed-LLuv.out

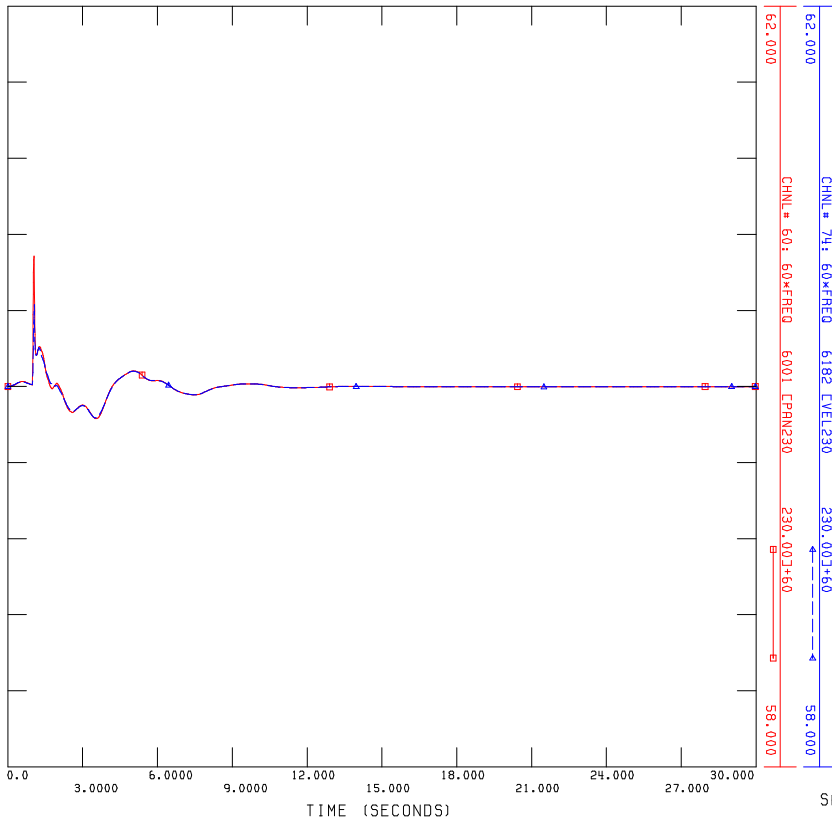




ESCENARIO 01_2020CR-MODMED-LLUV - FALTA P017 3FS.

RECUCENCIAS.

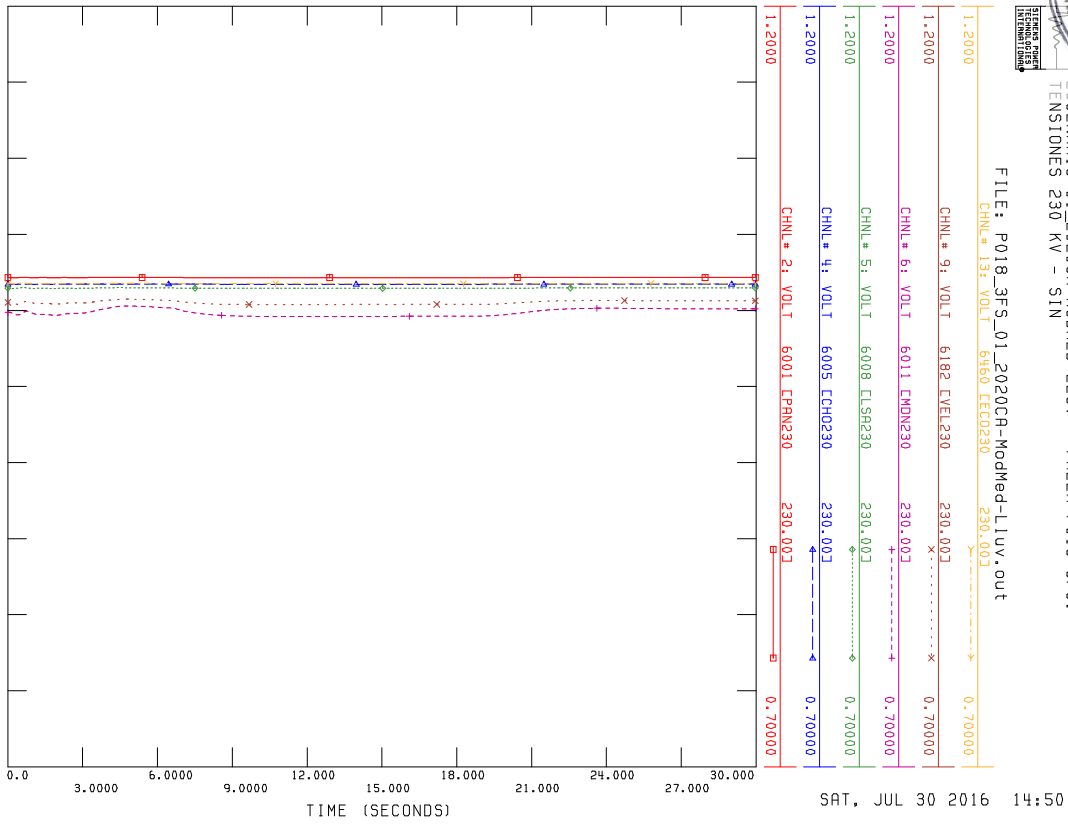
FILE: P017_SFS_01_2020CR-ModMed-LlUV.out



SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P018 3FS.
TENSIONES 230 KV - SIN

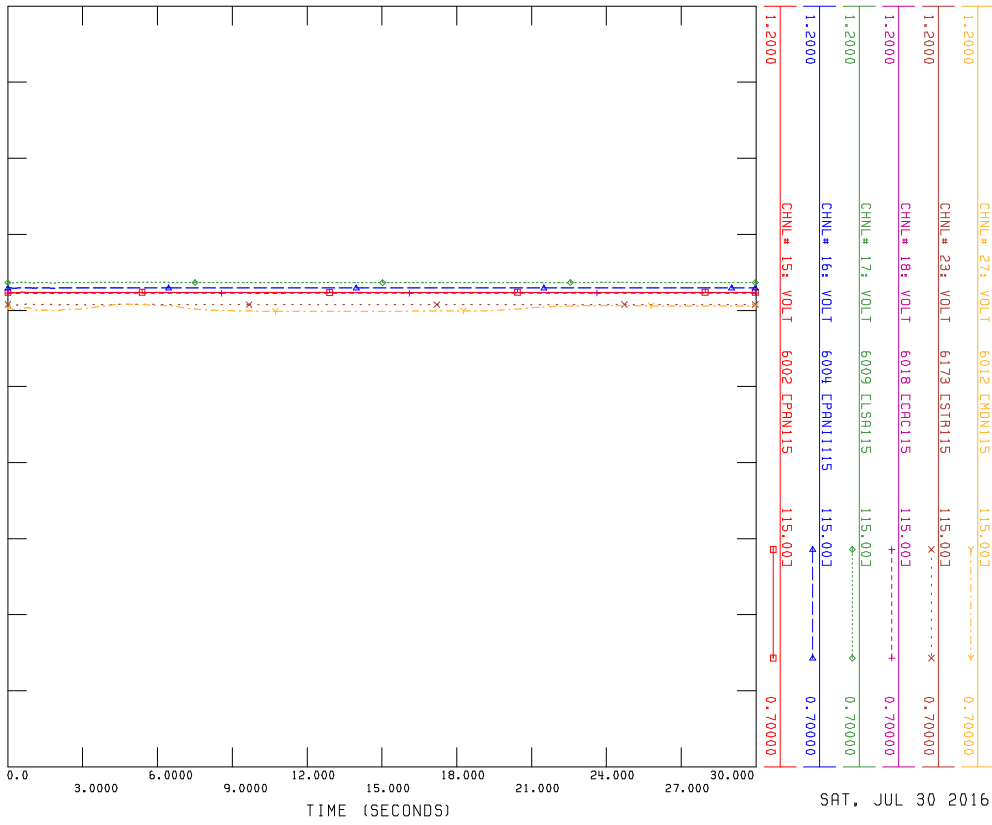




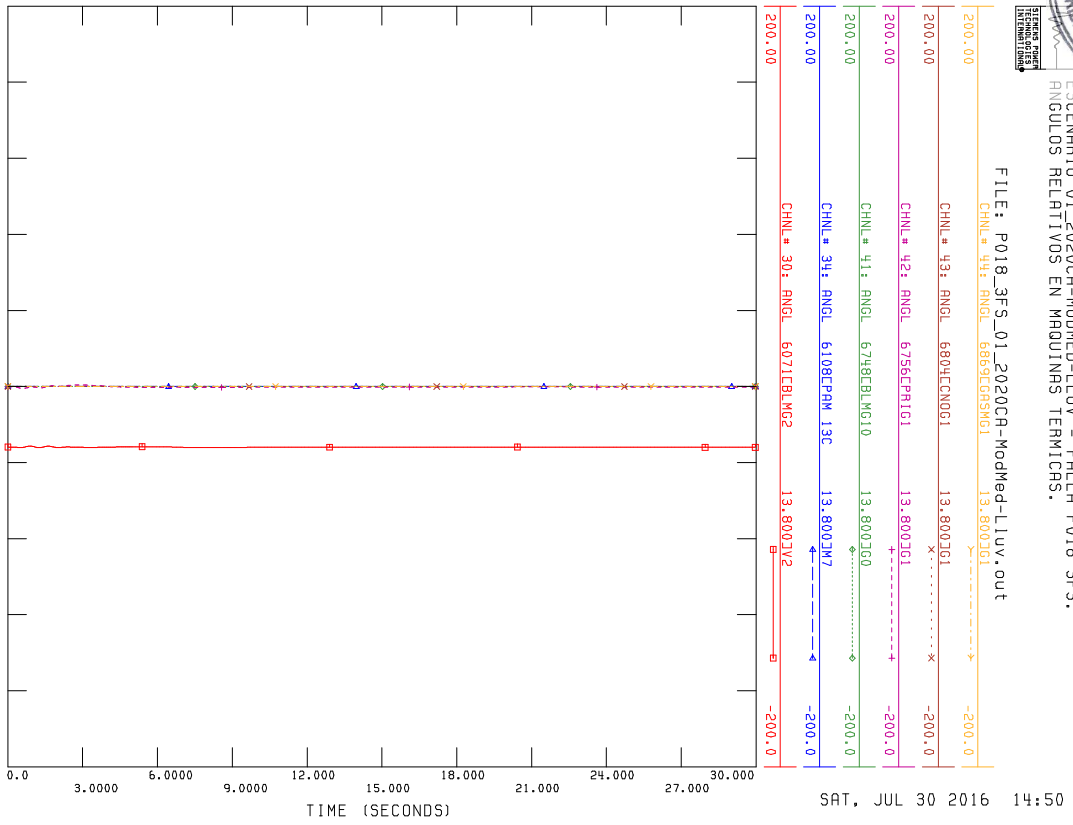
115KV
115KV
115KV
115KV

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P018 3FS.
TENSIONES 115 KV - SIN

FILE: P018_3FS_01_2020CR-ModMed-LLuv.out



SAT, JUL 30 2016 14:50

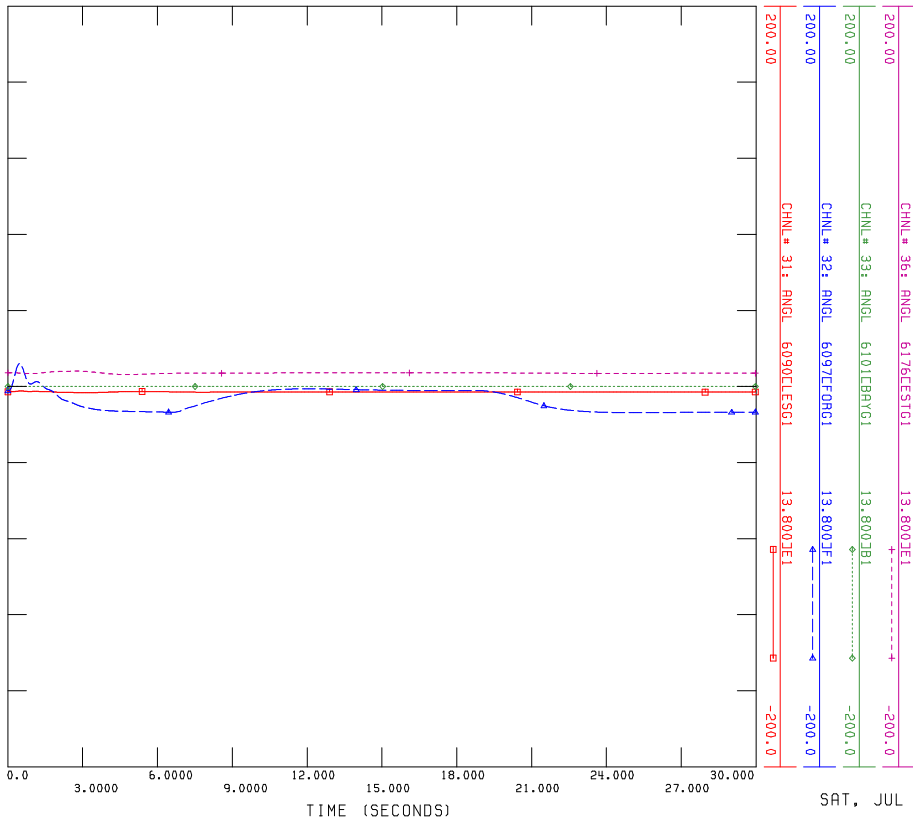




100.00
 0.00
 -100.00
 -200.00
 -300.00
 -400.00
 -500.00
 -600.00
 -700.00
 -800.00
 -900.00
 -1000.00

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P018 3FS.
 ANGULOS RELATIVOS EN MOQUINNS HIDRAULICAS.

FILE: P018_SFS_01_2020CR-ModMed-LLuv.out

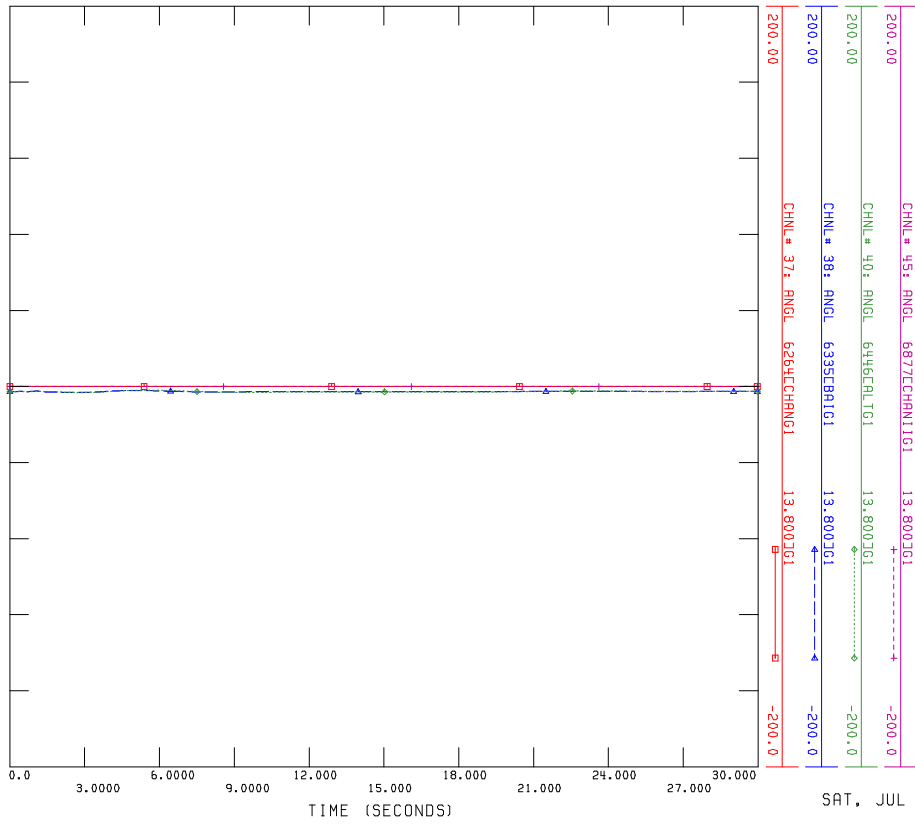


SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P018 3FS.
ÁNGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P018_3FS_01_2020CR-ModMed-LLuv.out

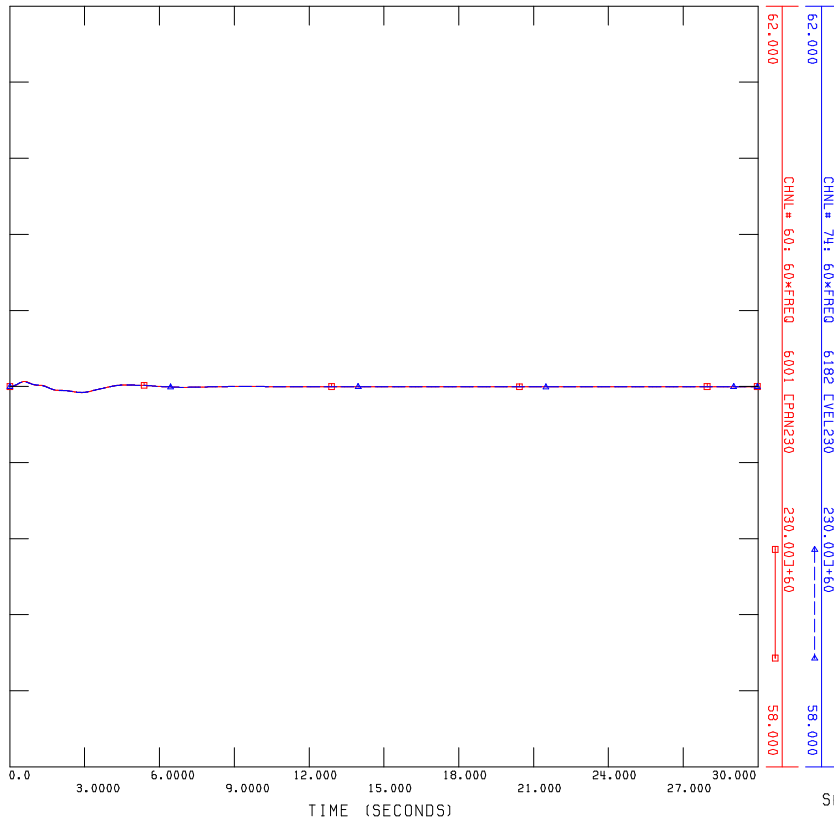


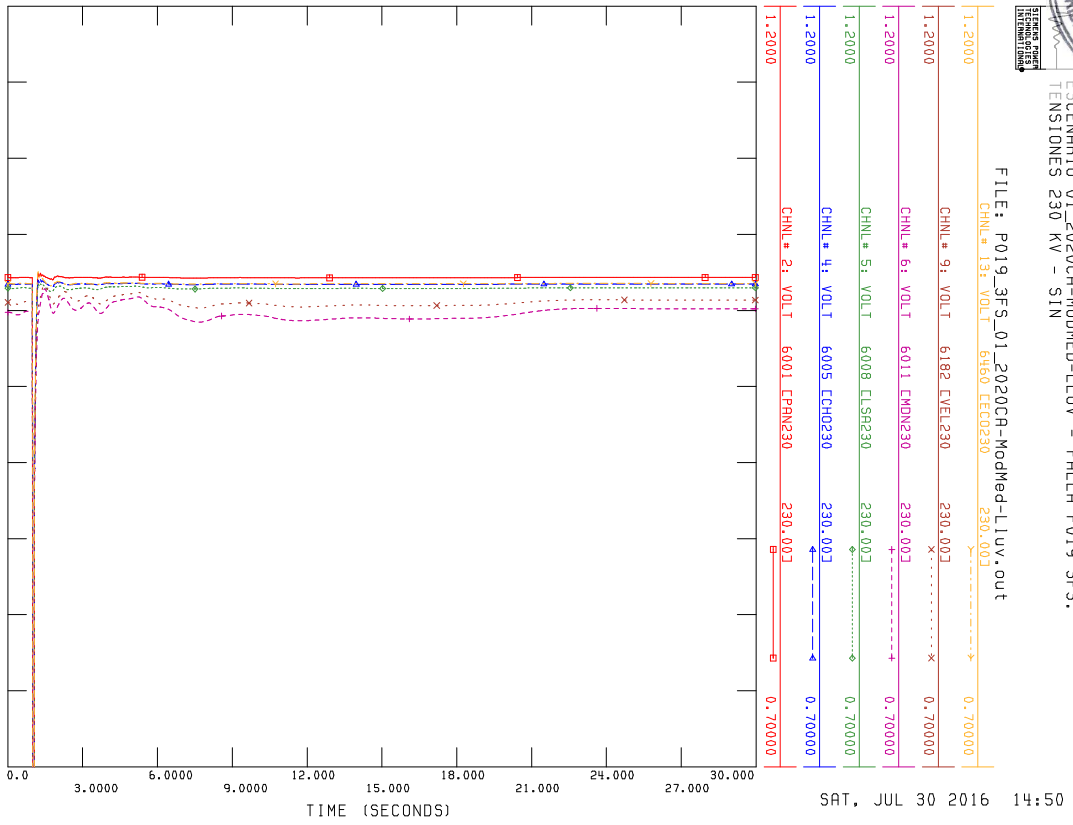


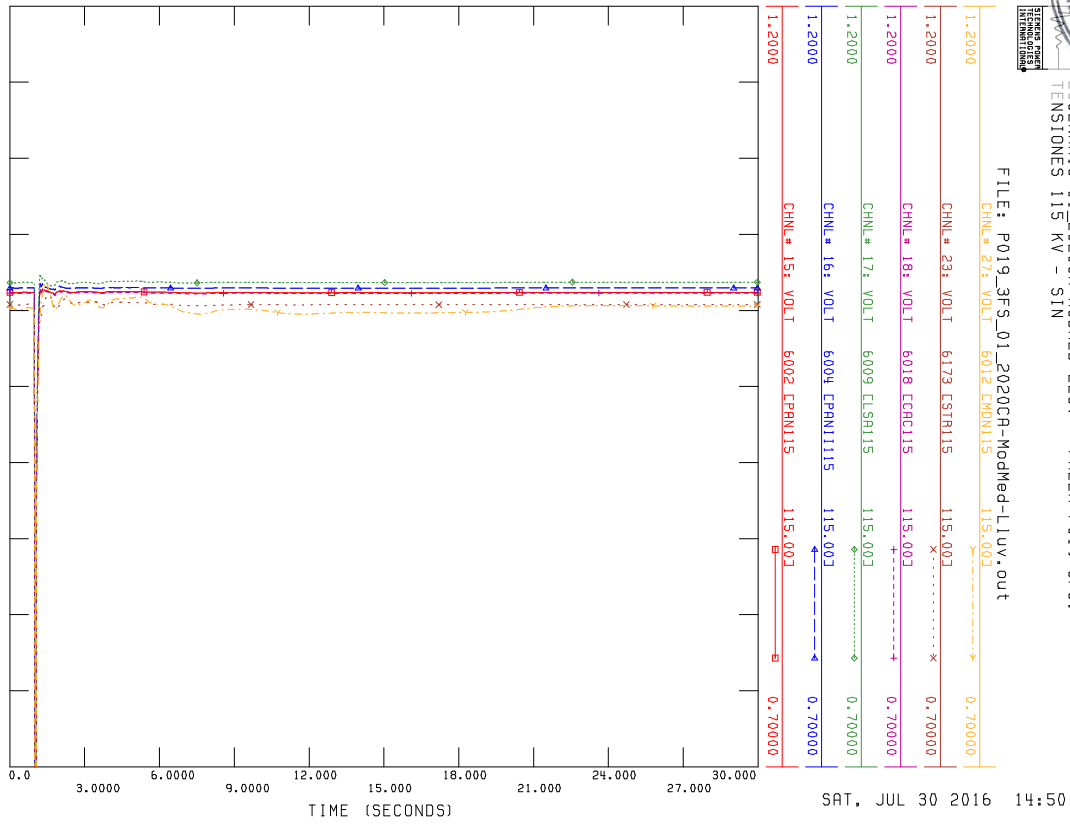
REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

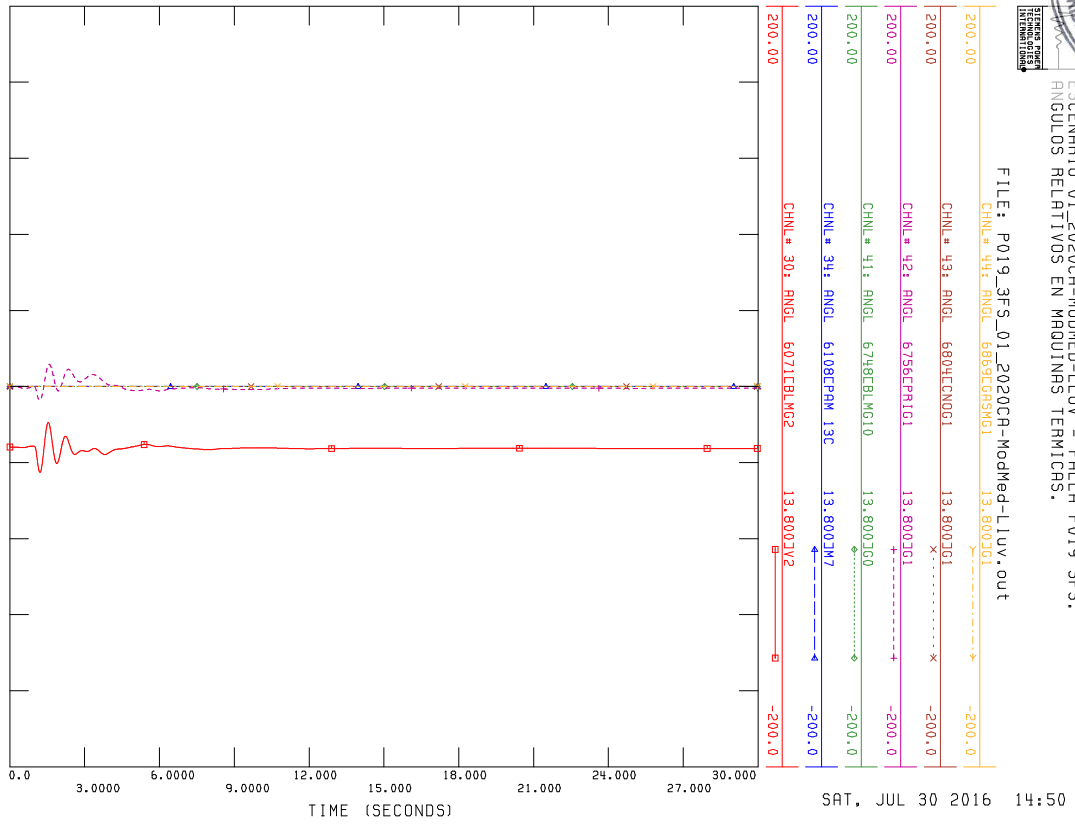
ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P018 3FS.
FRECUENCIAS.

FILE: P018_3FS_01_2020CR-ModMed-LLuv.out







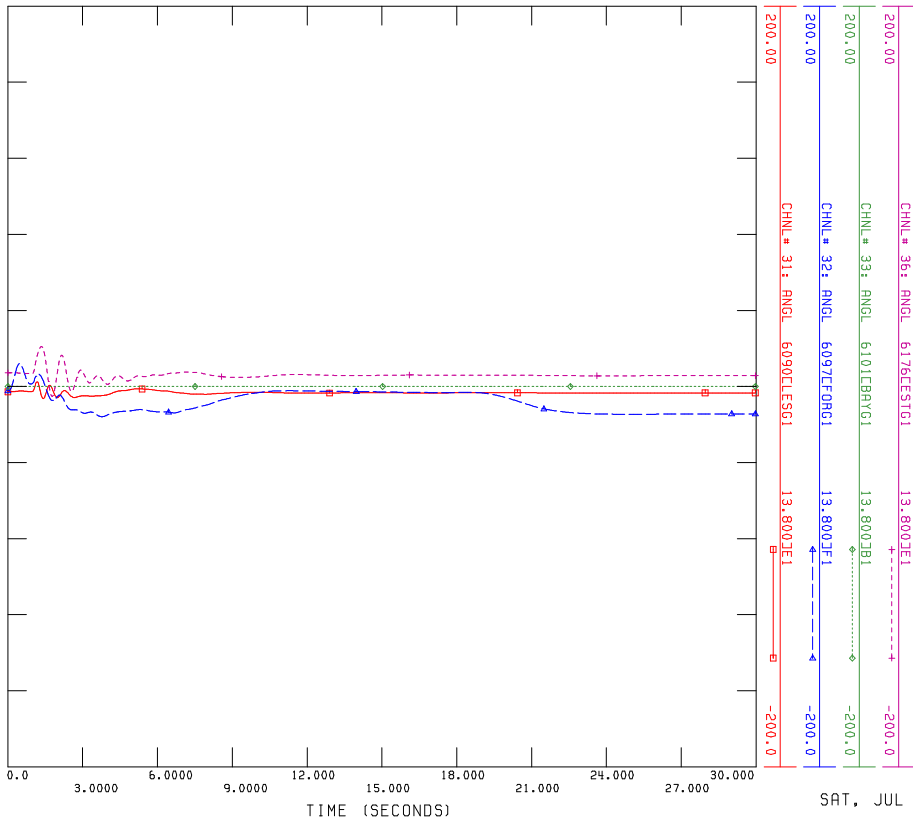




100.00
 0.00
 -100.00
 -200.00
 -300.00
 -400.00
 -500.00
 -600.00
 -700.00
 -800.00
 -900.00
 -1000.00

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P019 3FS.
 ANGULOS RELATIVOS EN MARQUINAS HIDRAULICAS.

FILE: P019_3FS_01_2020CR-MODMED-LLUV.out

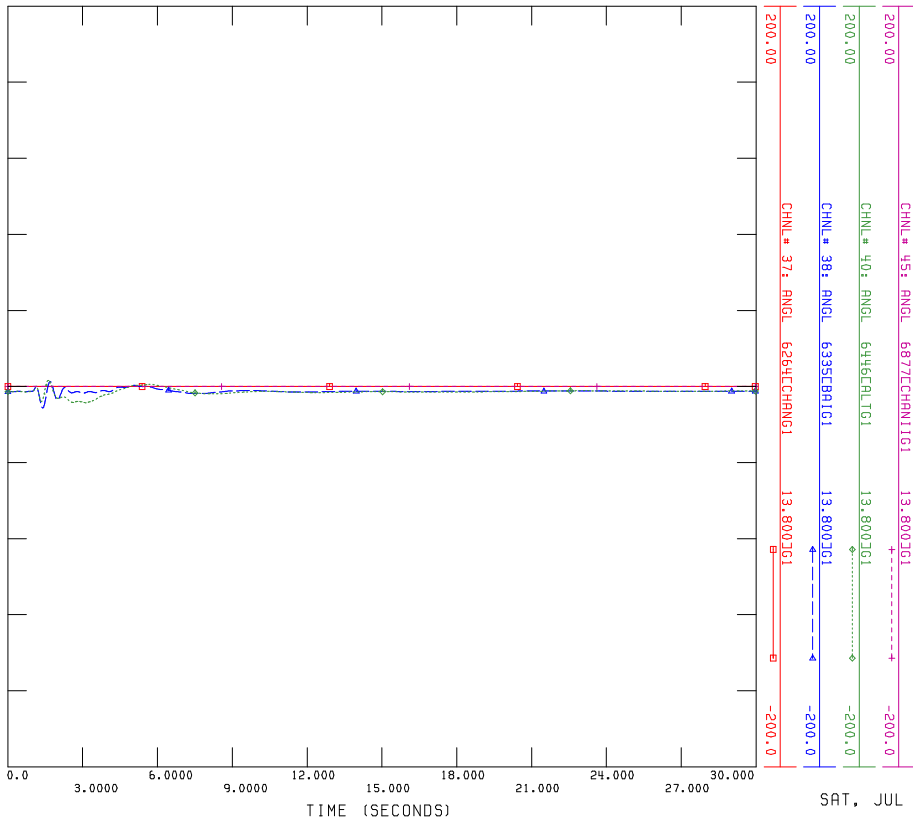


SAT, JUL 30 2016 14:50



ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P019 3FS.
 ANGULOS RELATIVOS EN MODULOS HIDRAULICOS.

FILE: P019_3FS_01_2020CR-ModMed-LLuv.out



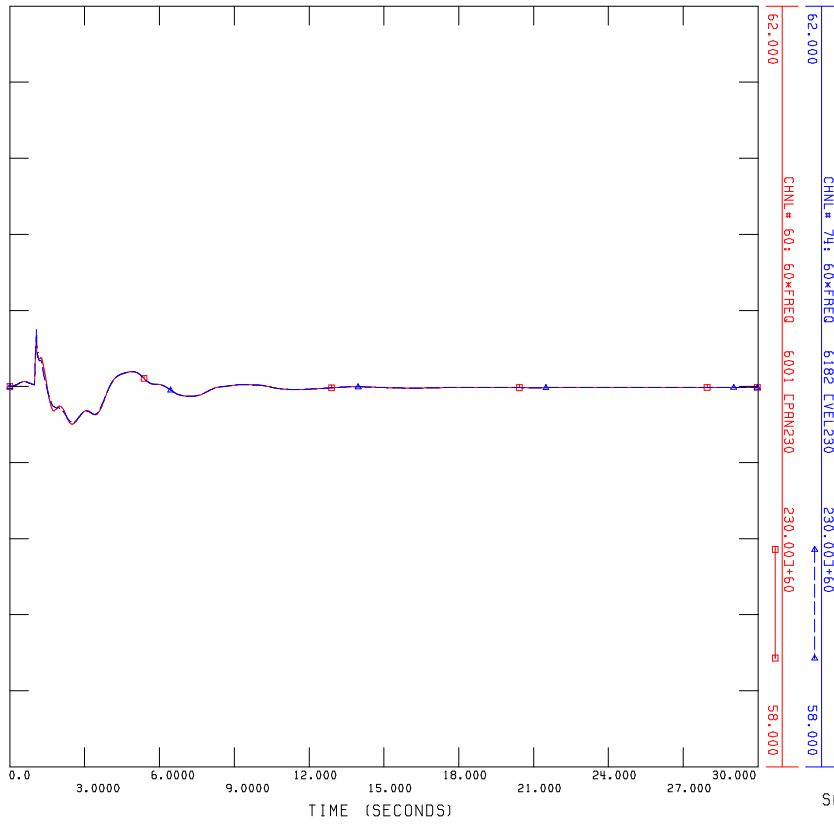
SAT, JUL 30 2016 14:50



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMED-LLUV - FALLA P019 3FS.
FRECUENCIAS.

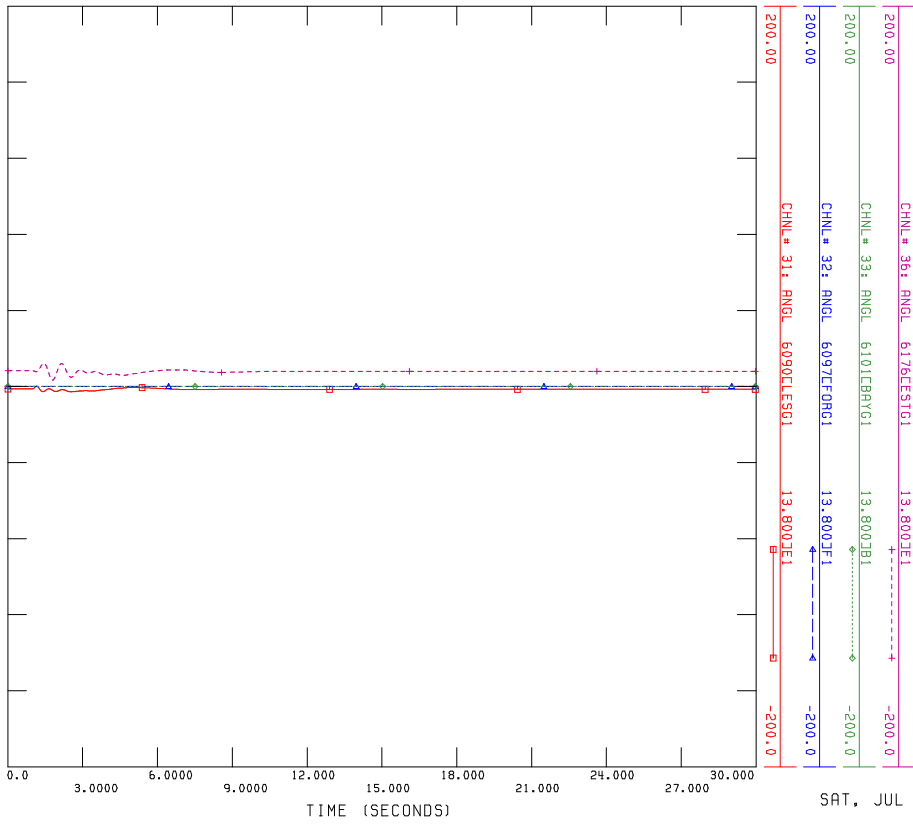
FILE: P019_3FS_01_2020CR-ModMed-LlUV.out





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P007 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P007_3FS_01_2020CR-MODMIN-LUV.out

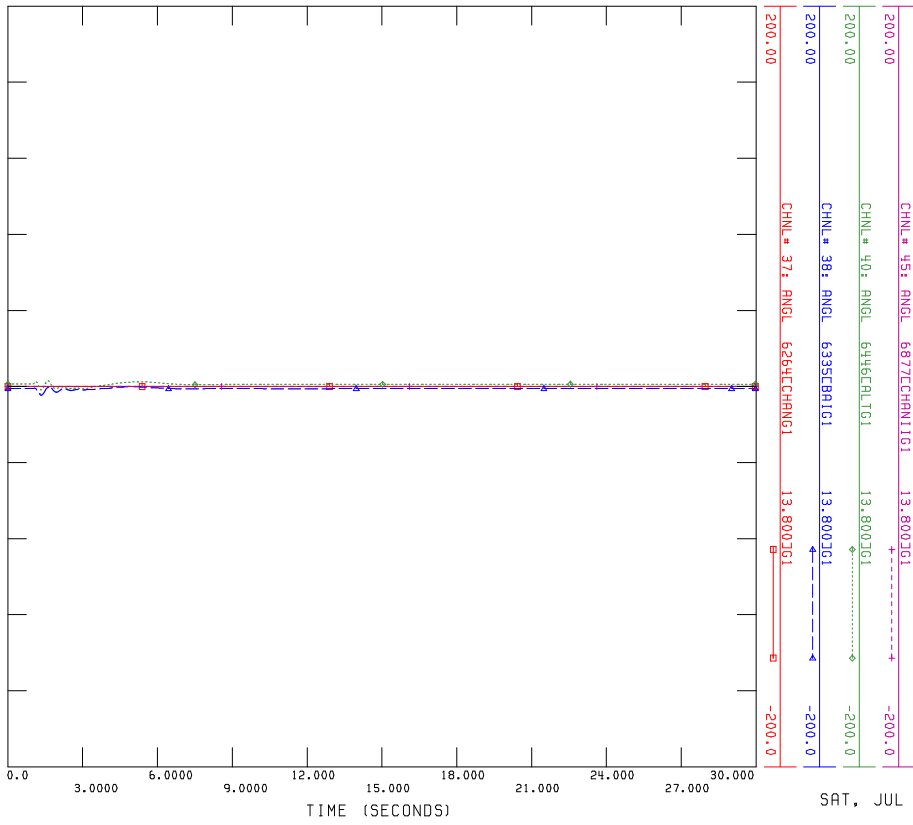


SAT, JUL 30 2016 21:26



ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P007 3FS.
ÁNGULOS RELATIVOS EN MODUNRS HIDRAULICAS.

FILE: P007_3FS_01_2020CR-MODMIN-LUV.out

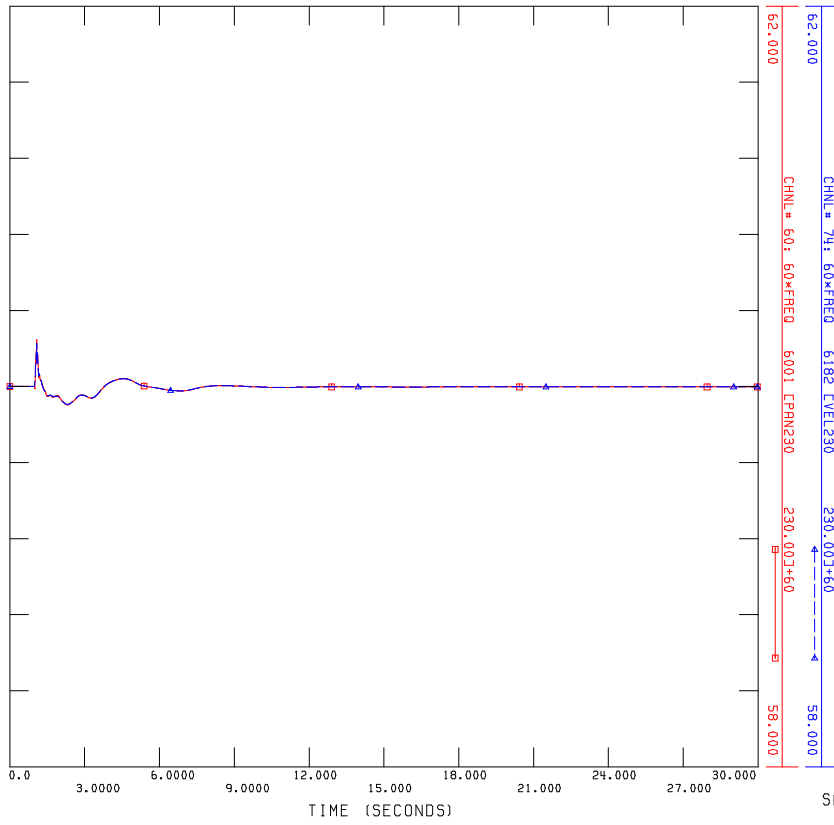


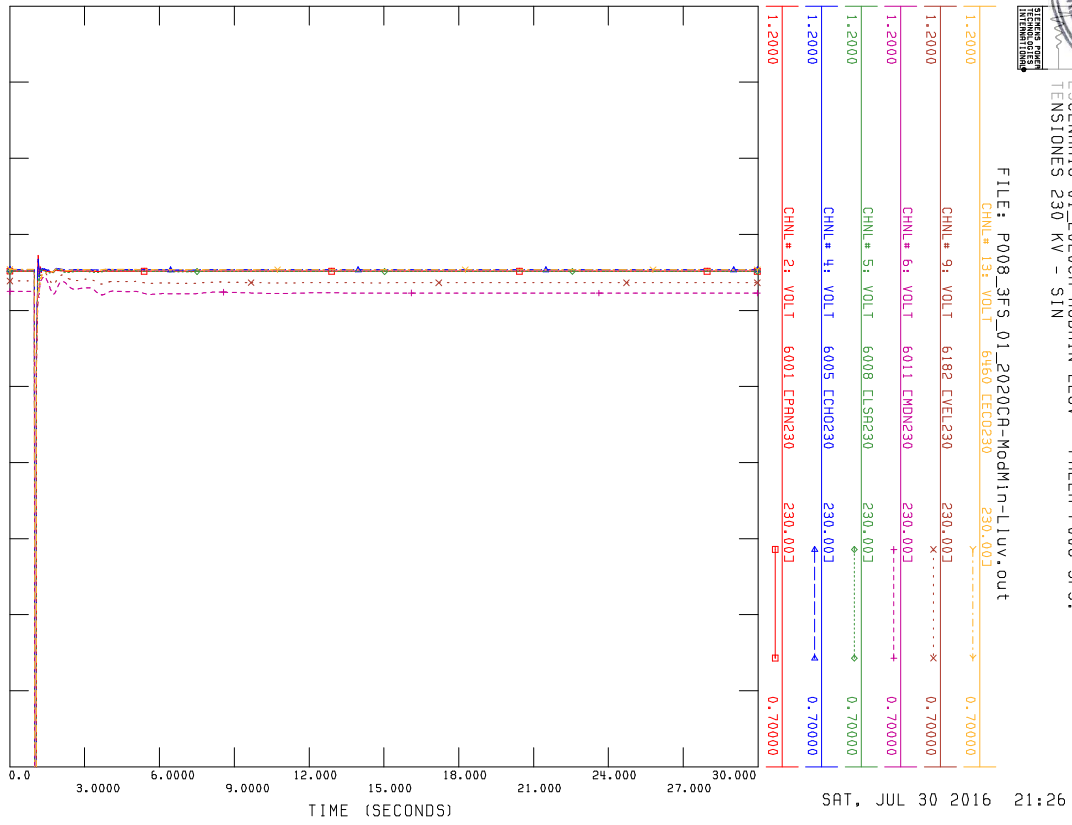


REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P007 3FS.
FRECUENCIAS.

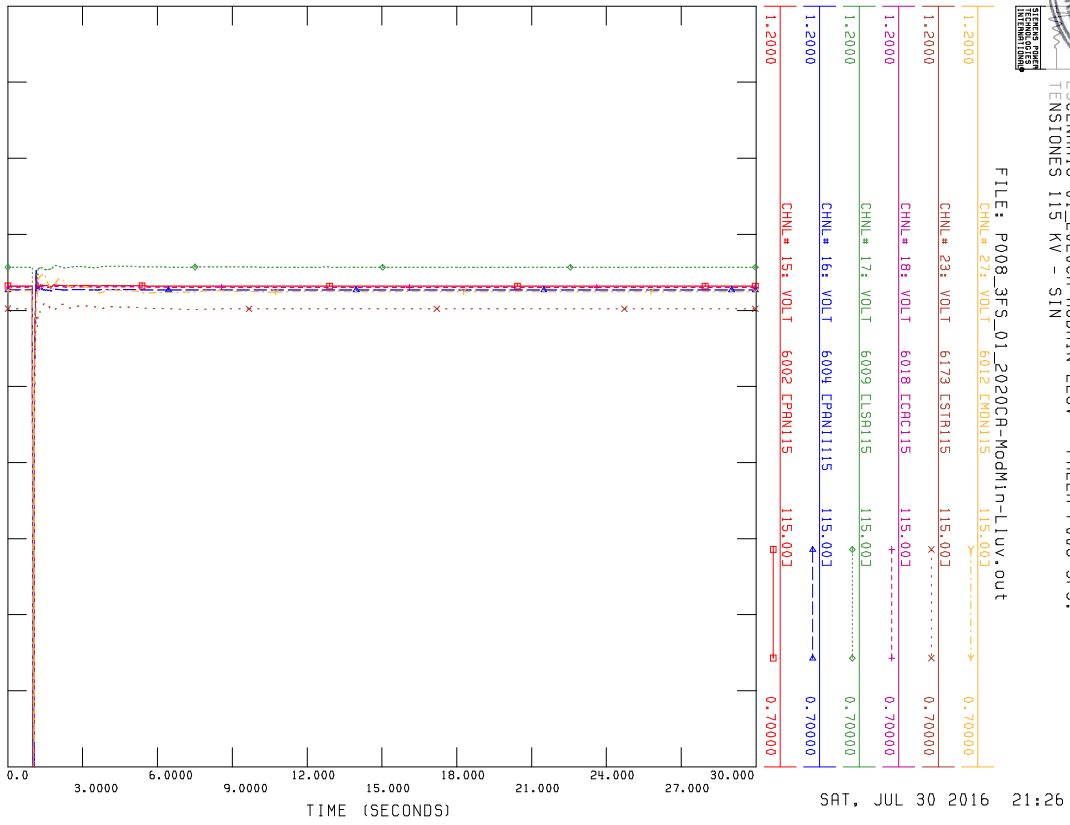
FILE: P007_SFS_01_2020CR-ModMin-Luv.out





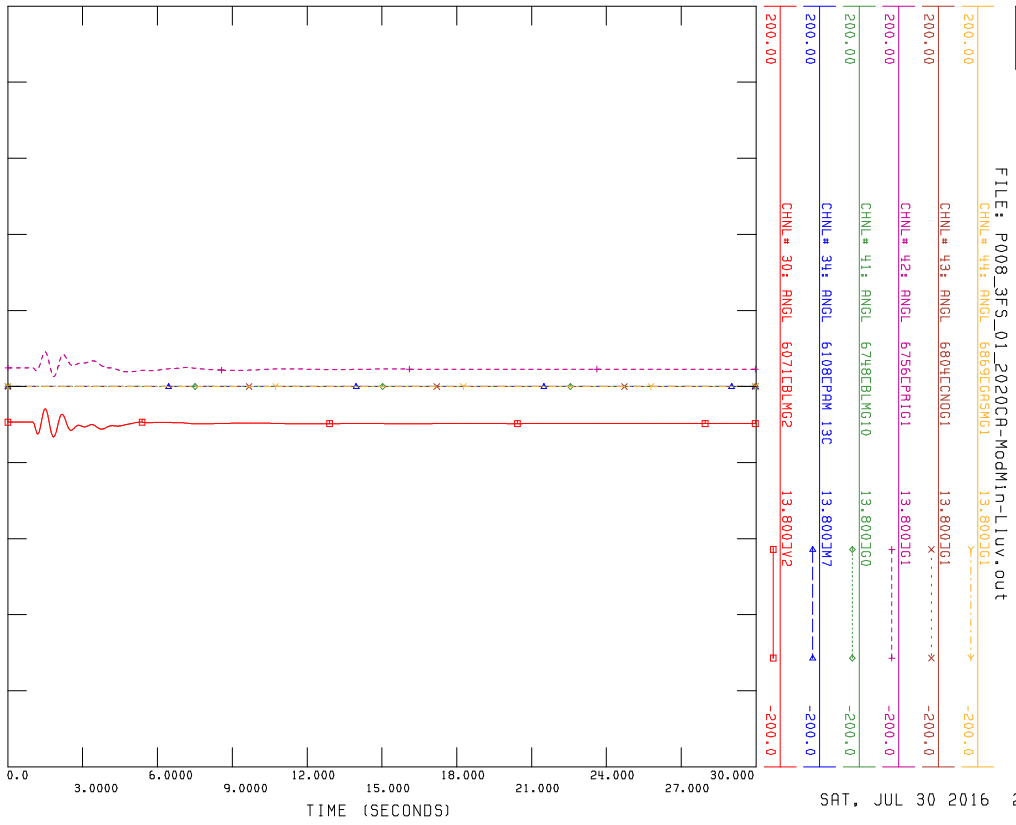


ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P008 3FS.
TENSIONES 115 KV - SIN





ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P008 3FS.
ANGULOS RELATIVOS EN MODULOS TERMICRS.

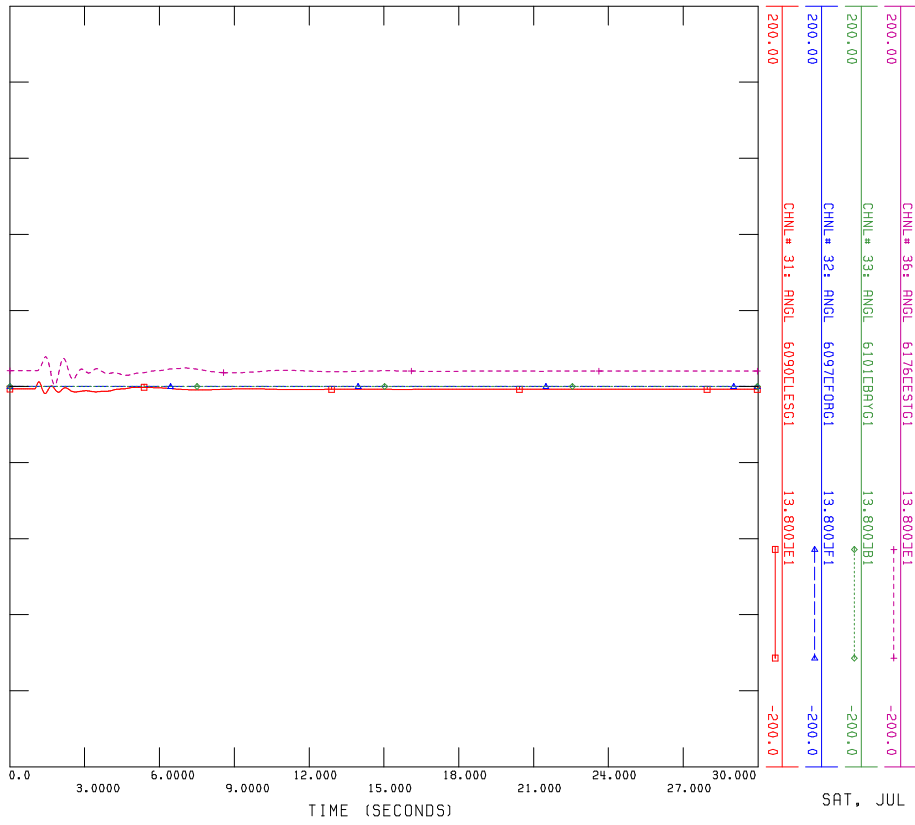


SAT, JUL 30 2016 21:26



ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P008 3FS.
ÁNGULOS RELATIVOS EN MODINRS HIDRAULICAS.

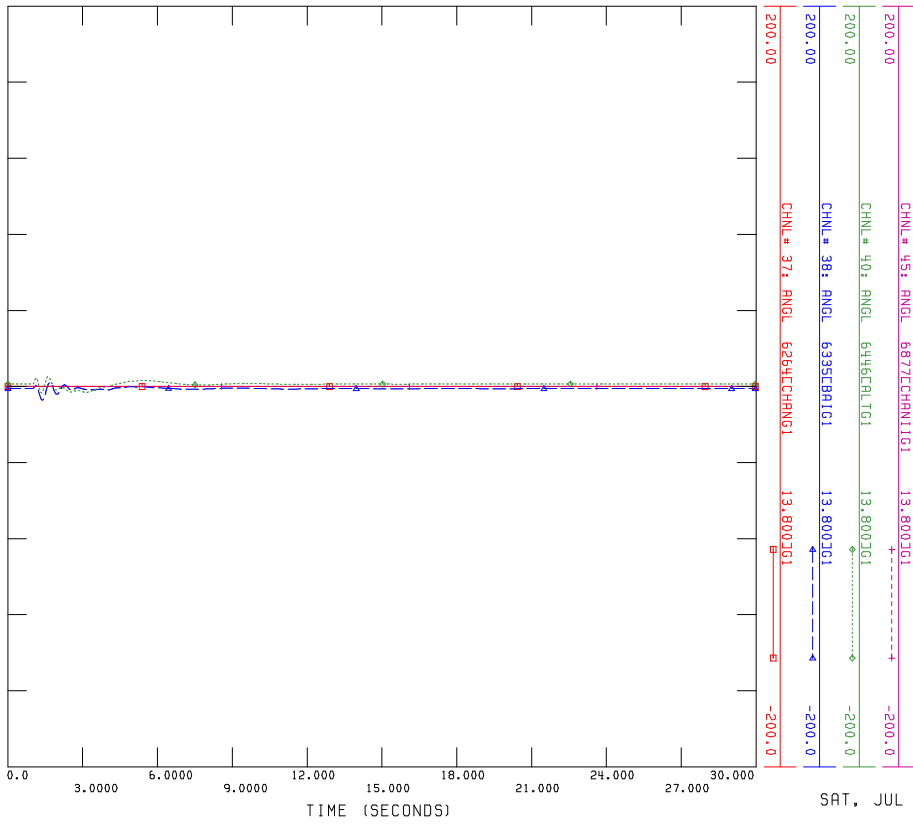
FILE: P008_SFS_01_2020CR-MODMIN-LUV.out





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P008 3FS.
ÁNGULOS RELATIVOS EN MODUINS HIDRAULICAS.

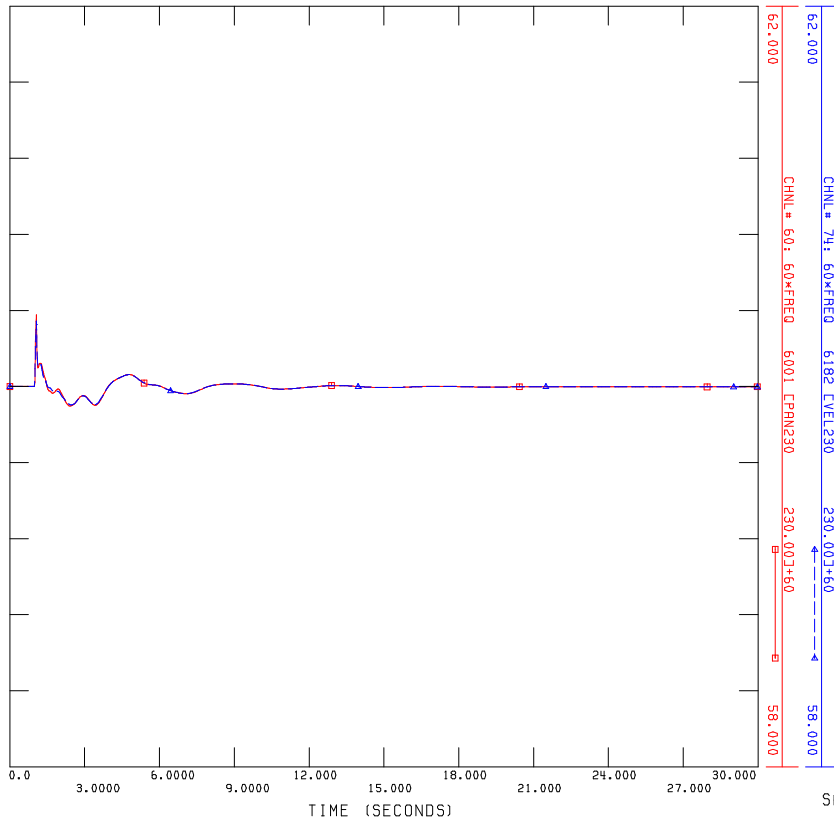
FILE: P008_3FS_01_2020CR-MODMIN-LUV.out





ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P008 3FS.
 FRECUENCIAS.

FILE: P008_SFS_01_2020CR-MODMIN-LLUV.out

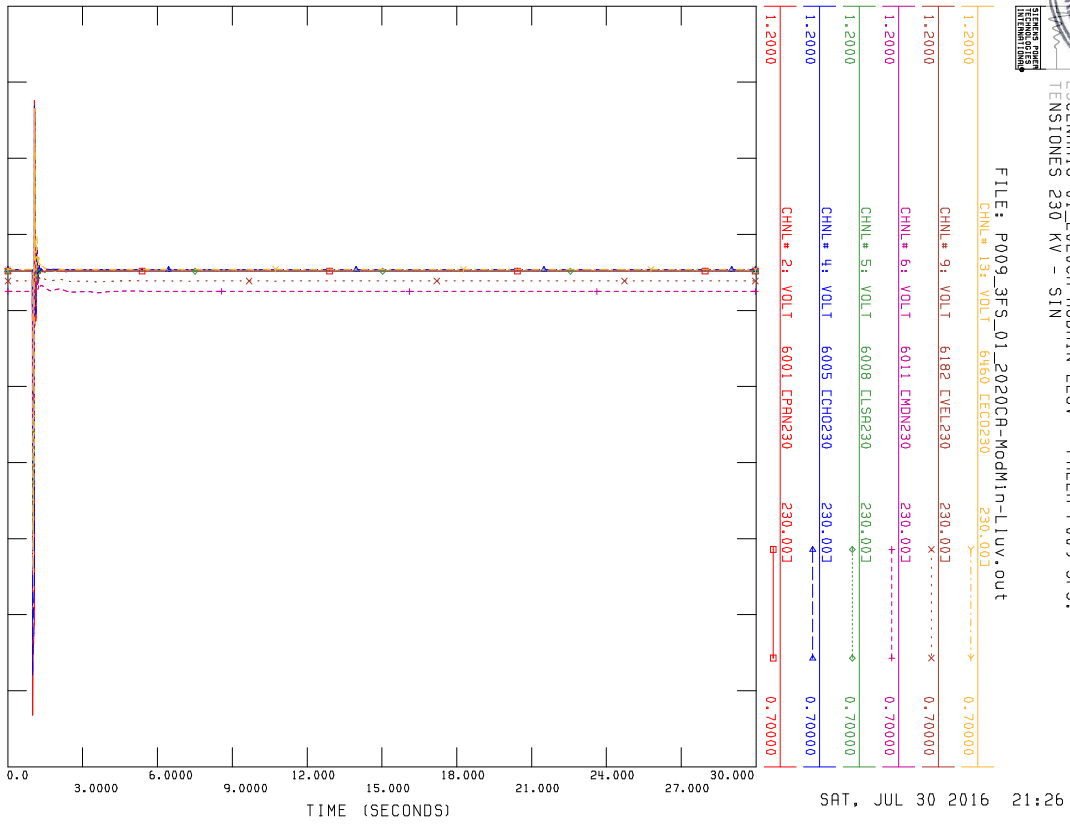


SAT, JUL 30 2016 21:26

A handwritten signature in blue ink, located in the bottom right corner of the page.

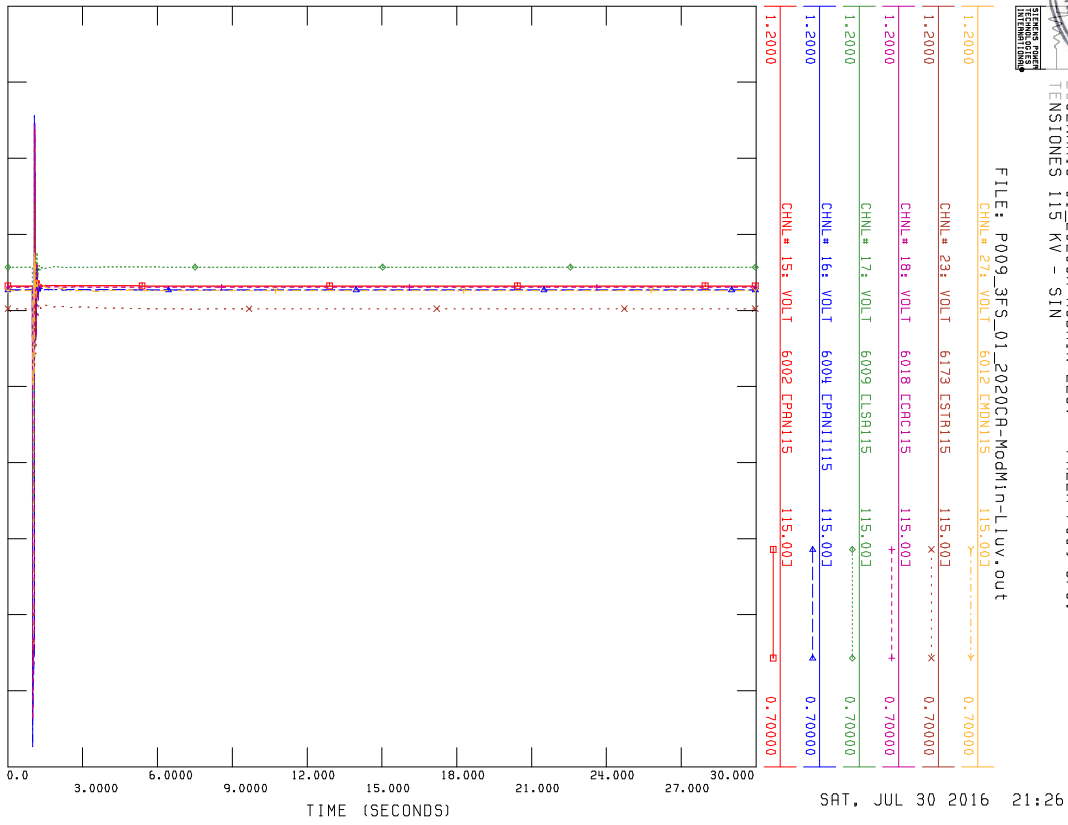


ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P009 3FS.
TENSIONES 230 KV - SIN



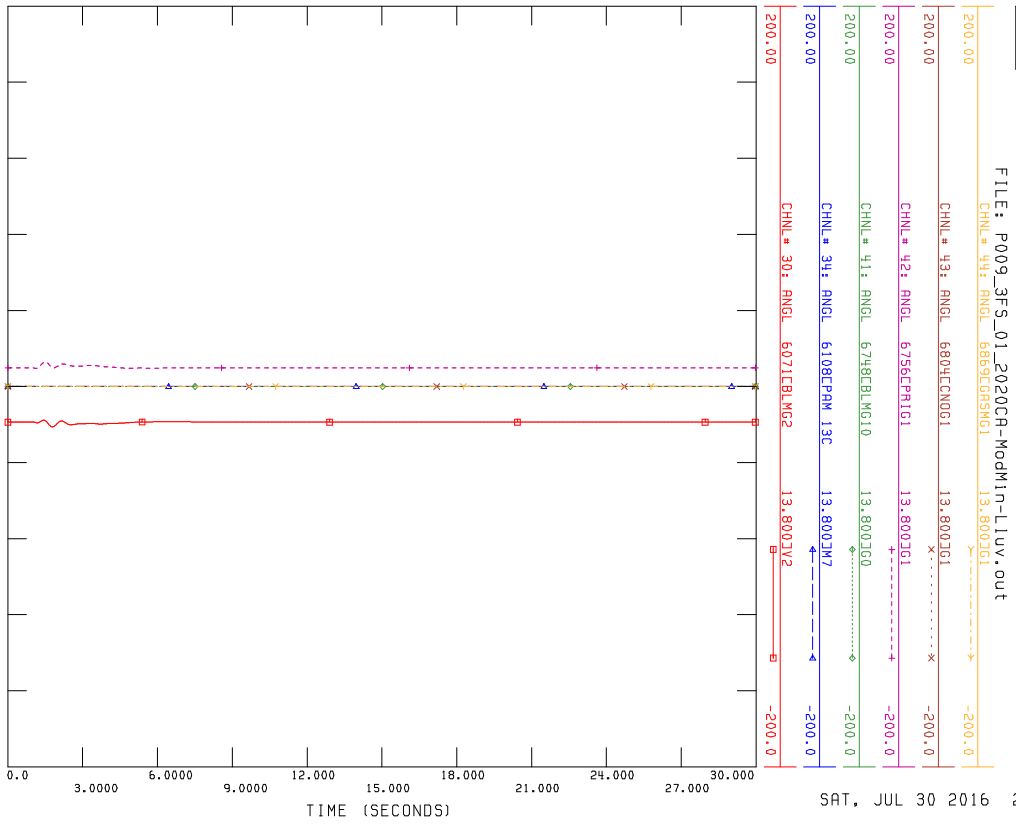


ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P009 3FS.
TENSIONES 115 KV - SIN





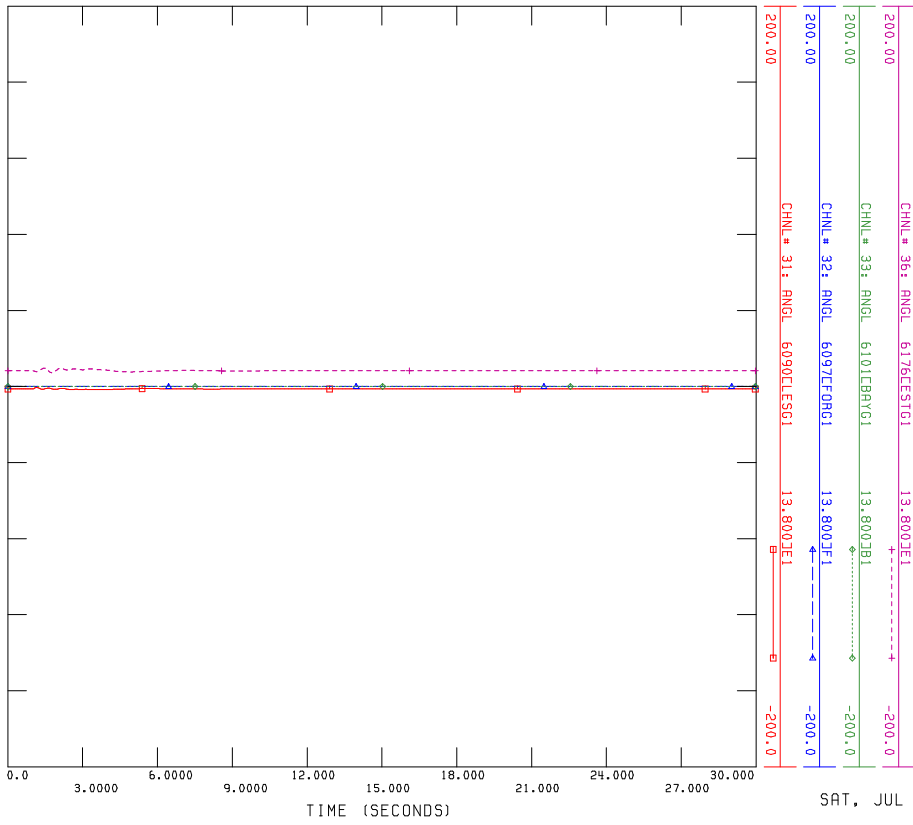
ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P009 3FS.
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P009 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P009_3FS_01_2020CR-MODMIN-LUV.out

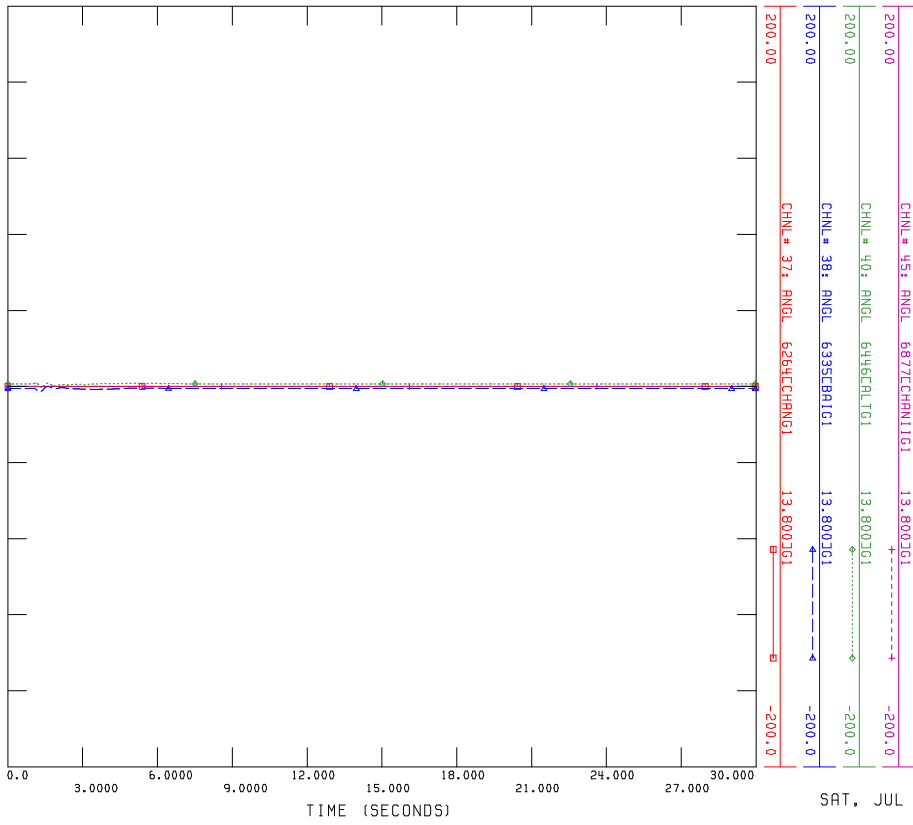


SAT, JUL 30 2016 21:26



ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P009 3FS.
ÁNGULOS RELATIVOS EN MODUINRS HIDRAULICAS.

FILE: P009_3FS_01_2020CR-MODMIN-LUV.out



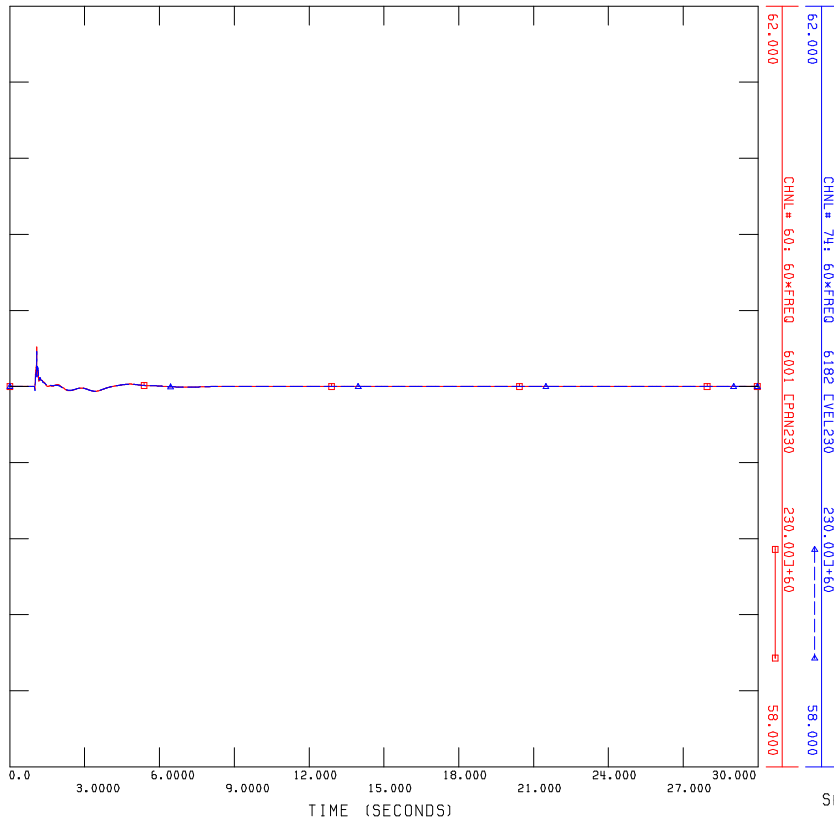
SAT, JUL 30 2016 21:26



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

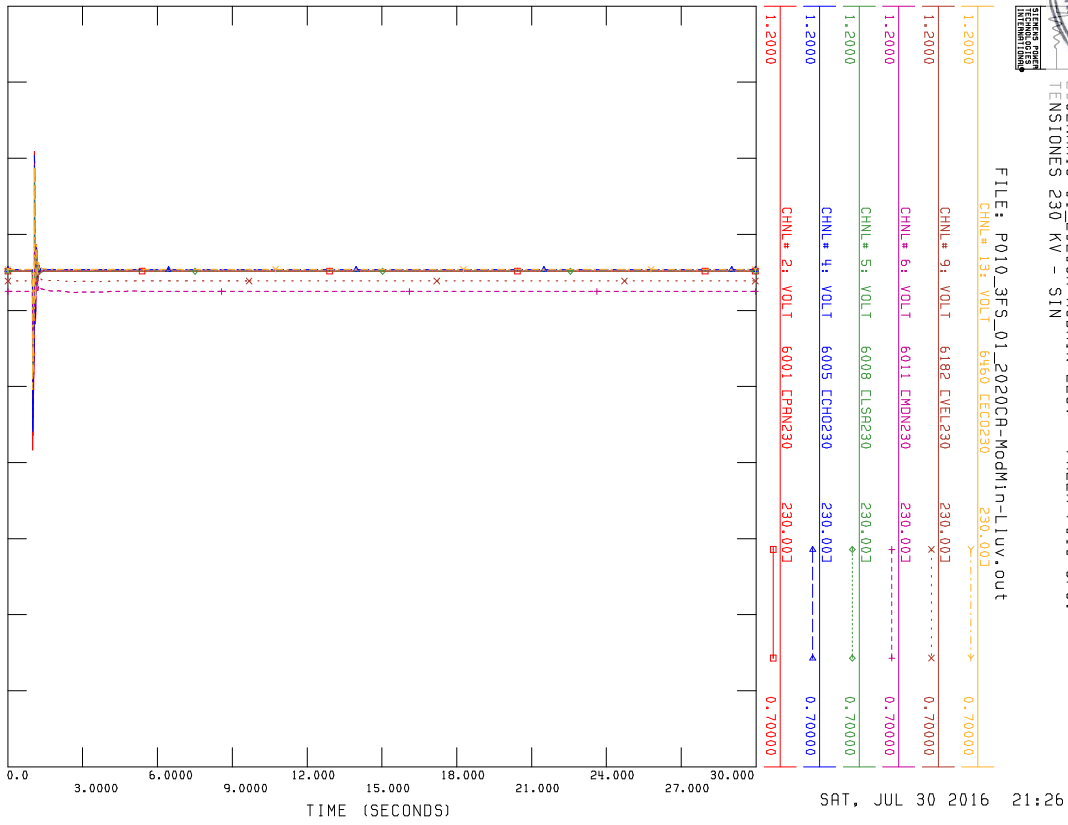
ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P009 3FS.
FRECUENCIAS.

FILE: P009_3FS_01_2020CR-ModMin-Lluv.out





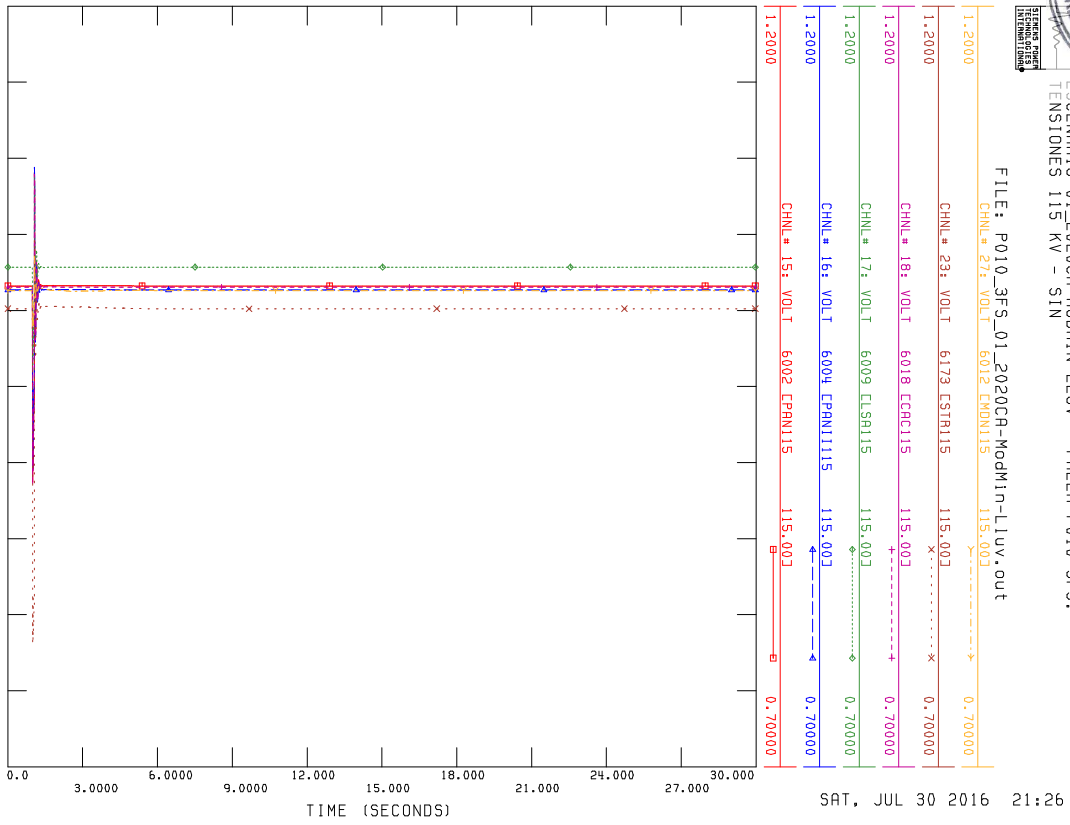
ESCENARIO 01_2020CR-MODMIN-LLUV - FILLA P010 3FS.
TENSIONES 230 KV - SIN



SAT, JUL 30 2016 21:26

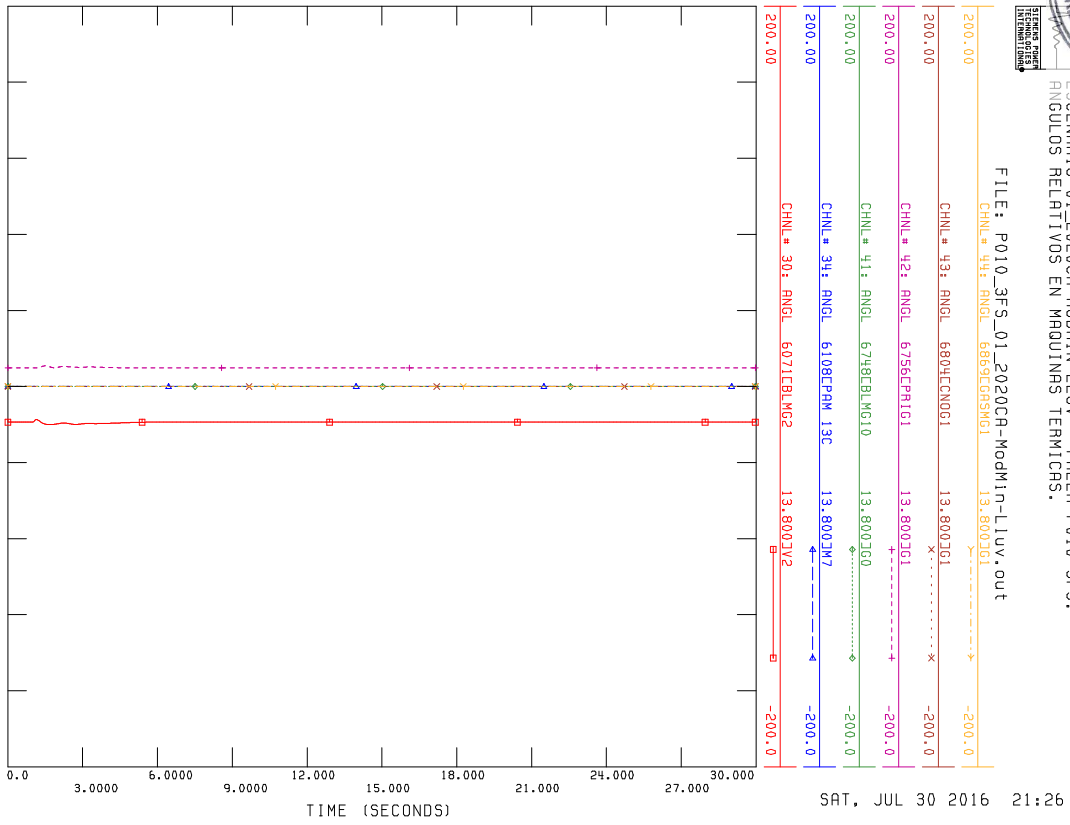


ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P010 3FS.
TENSIONES 115 KV - SIN





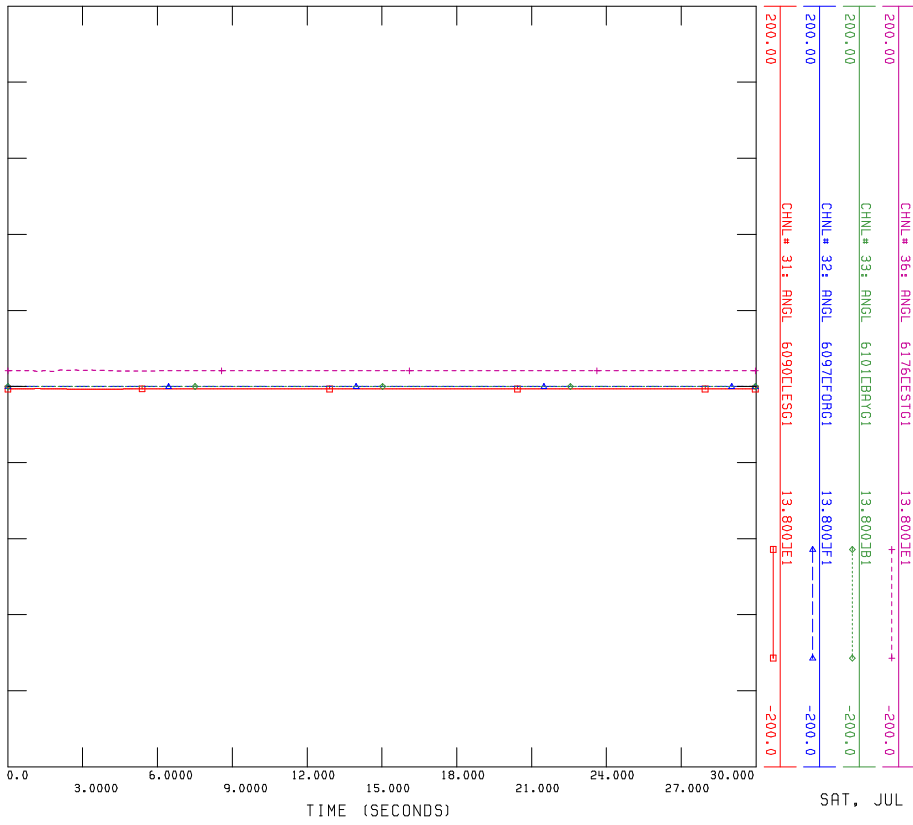
ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P010 3FS.
ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P010 3FS.
ÁNGULOS RELATIVOS EN MODUINS HIDRAULICAS.

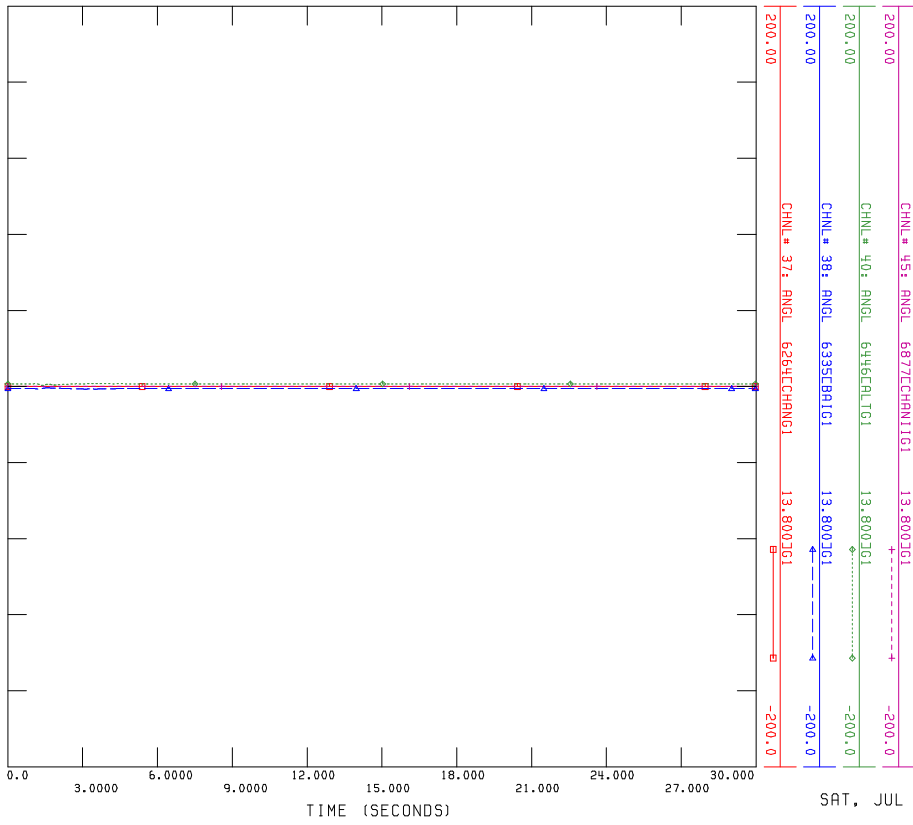
FILE: P010_SFS_01_2020CR-MODMIN-LLUV.out





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P010 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P010_3FS_01_2020CR-MODMIN-LUV.out



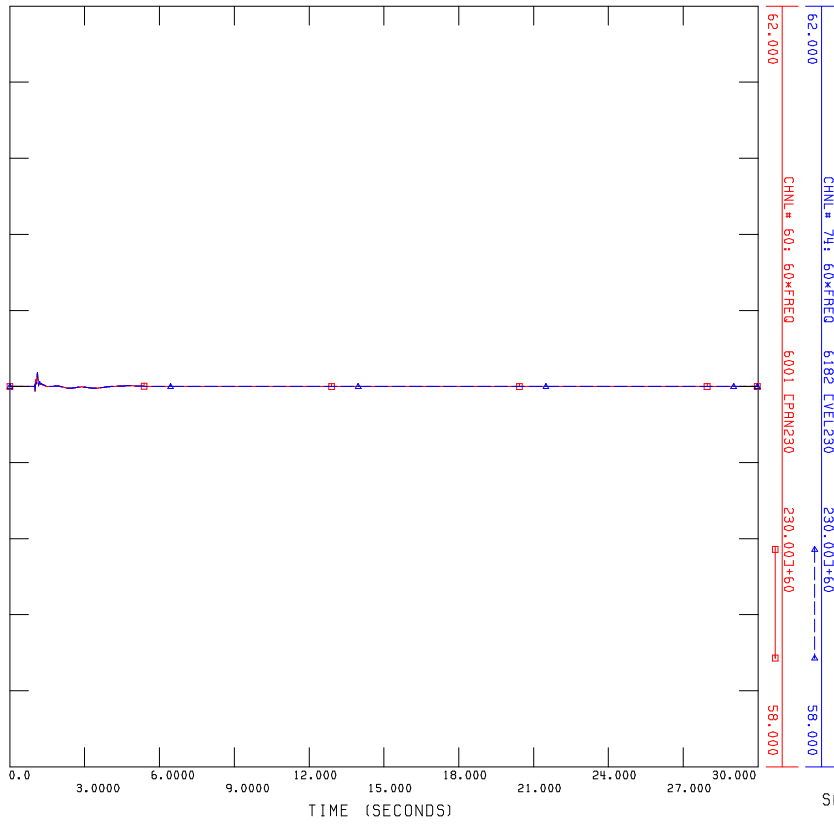
SAT, JUL 30 2016 21:26

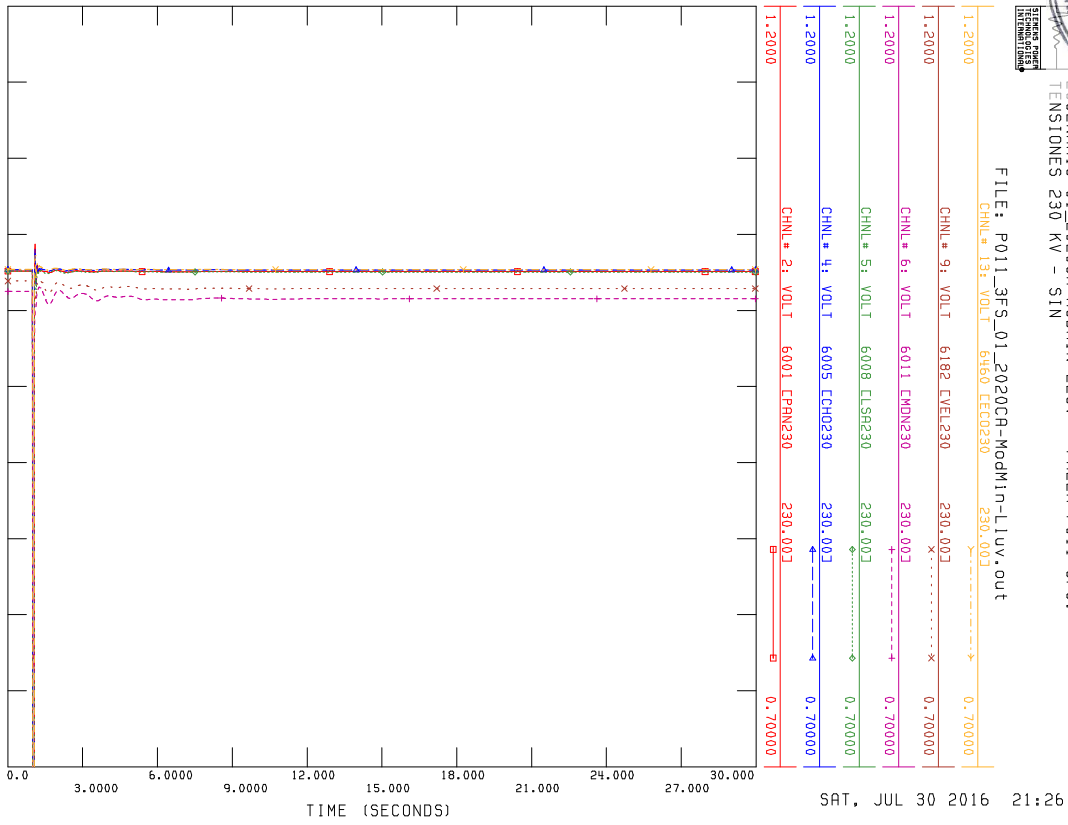


SECCION DE SERVICIOS PUBLICOS

ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P010 3FS.
FRECUENCIAS.

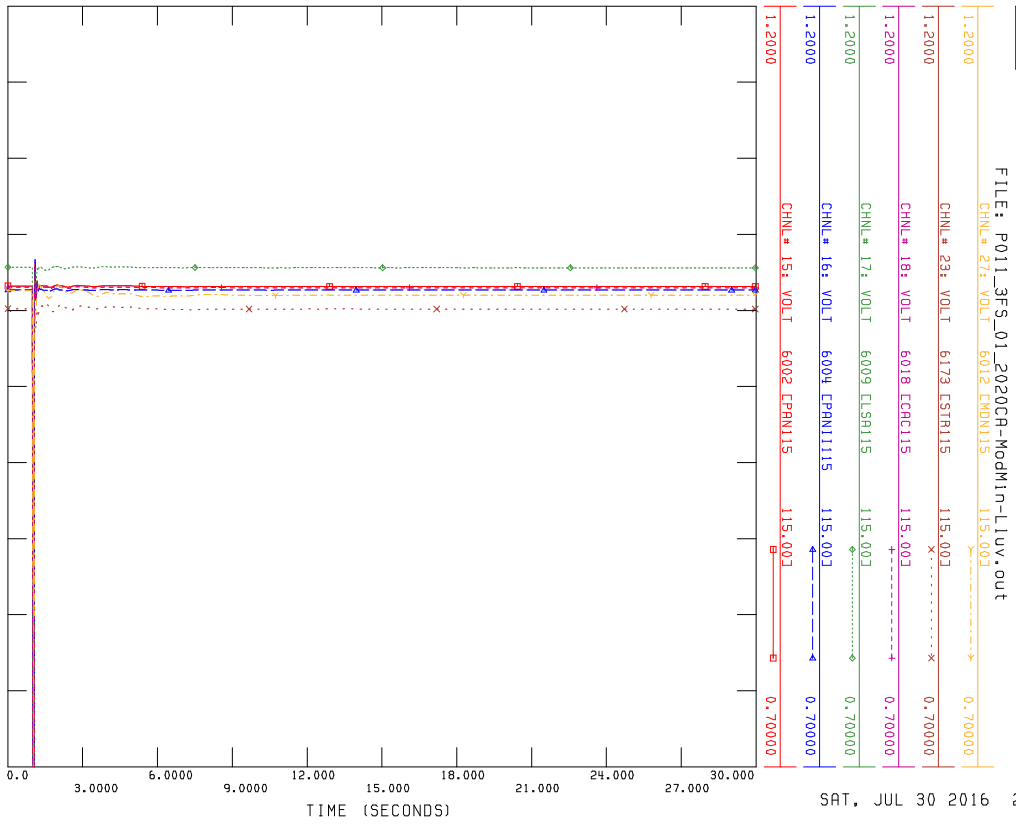
FILE: P010_SFS_01_2020CR-ModMin-Lluv.out



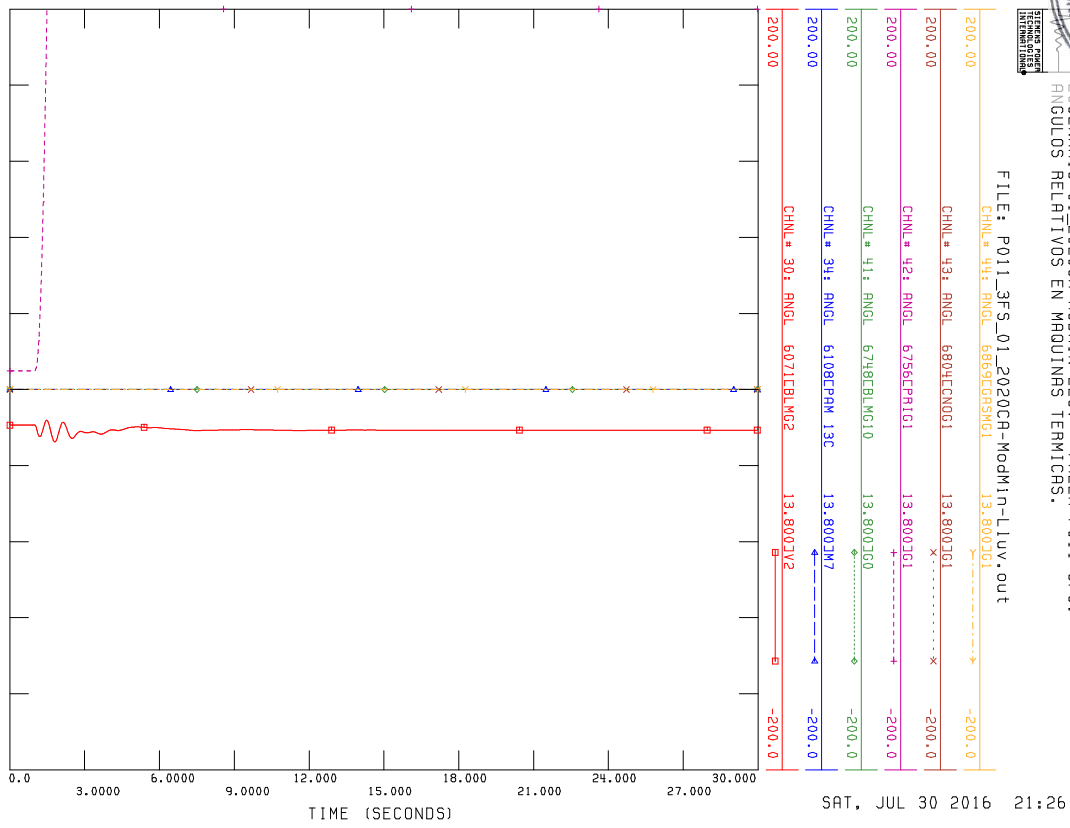




ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P011 3FS.
TENSIONES 115 KV - SIN



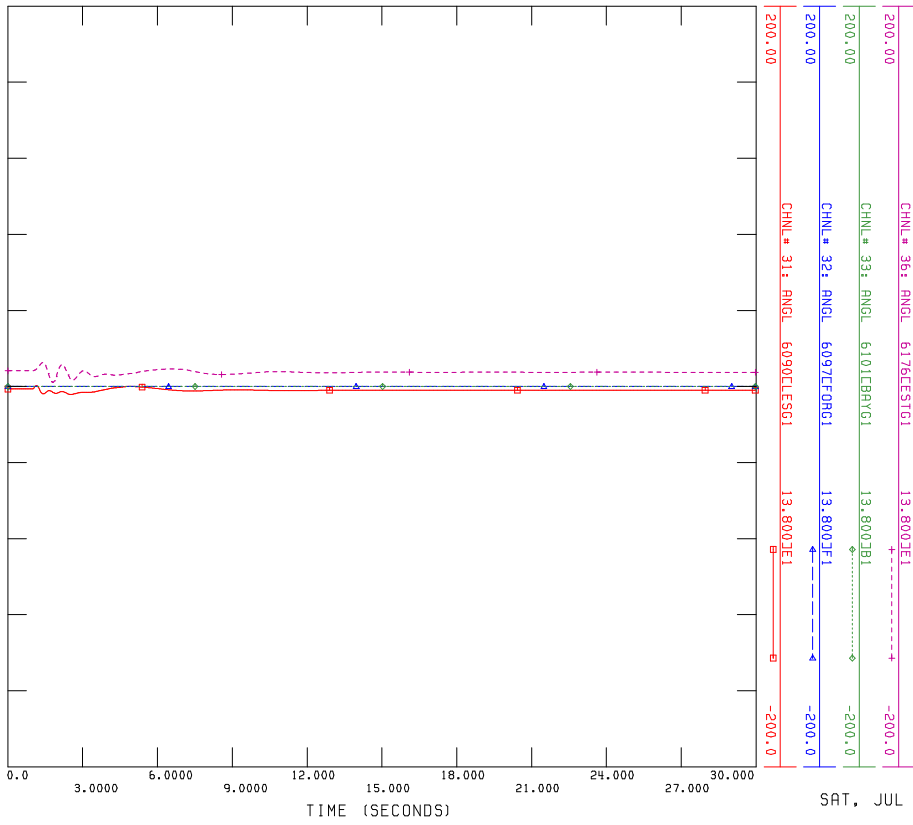
SAT, JUL 30 2016 21:26





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P011 3FS.
ÁNGULOS RELATIVOS EN MODUINS HIDRAULICAS.

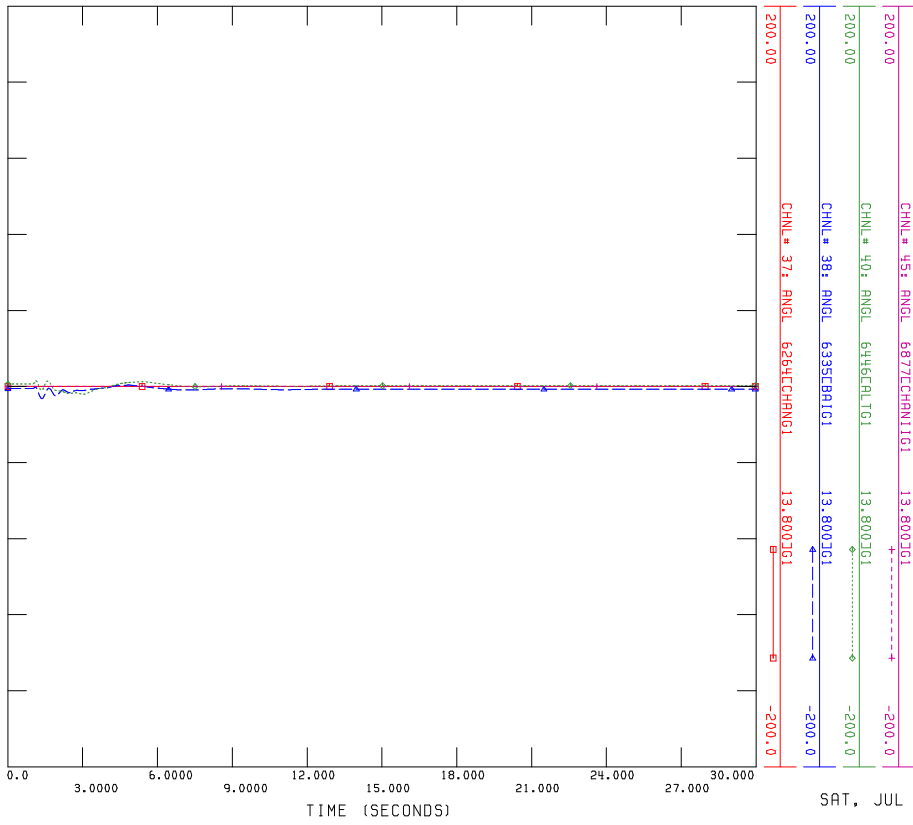
FILE: P011_SFS_01_2020CR-MODMIN-LUV.out





ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P011 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P011_3FS_01_2020CR-ModMin-Luv.out



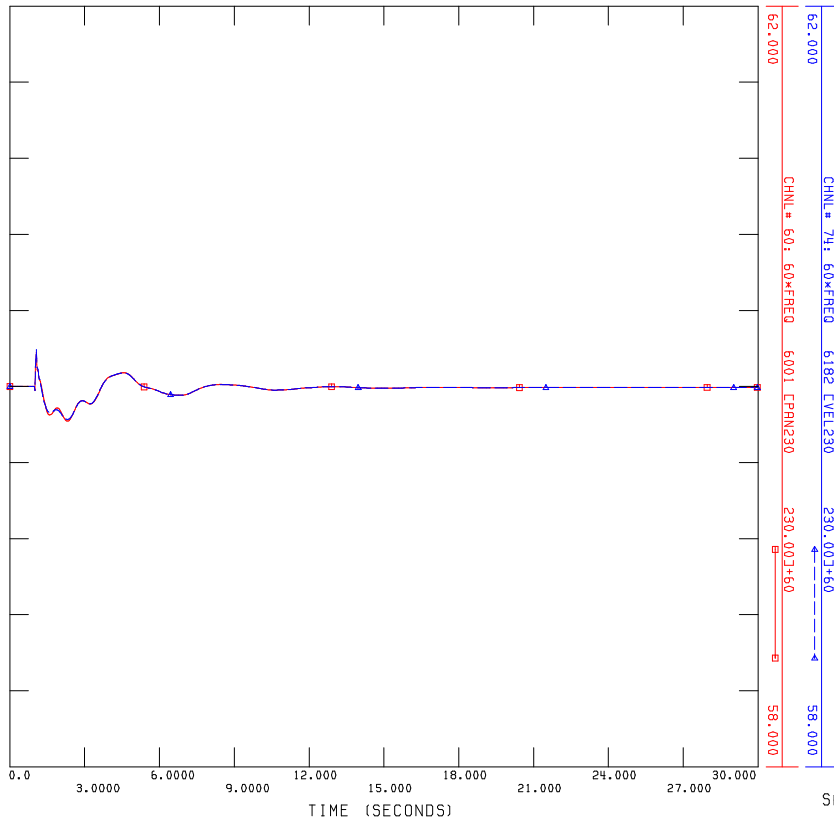
SAT, JUL 30 2016 21:26



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

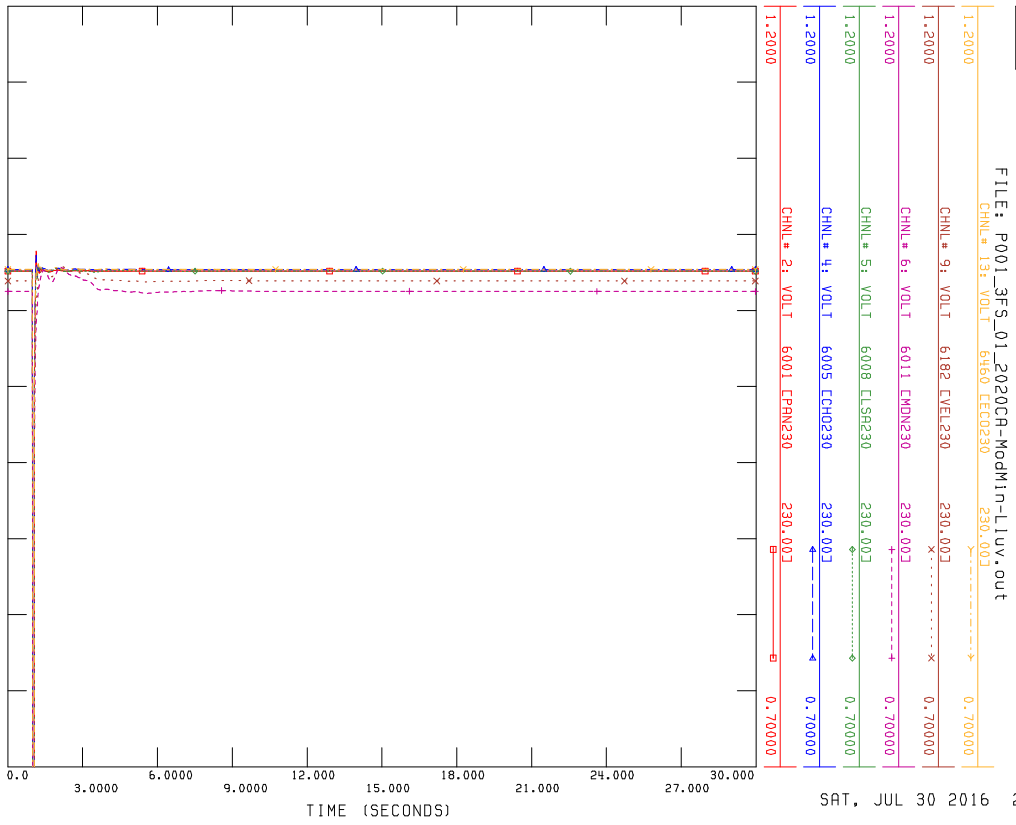
ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P011 3FS.
FRECUENCIAS.

FILE: P011_SFS_01_2020CR-MODMIN-LLUV.out



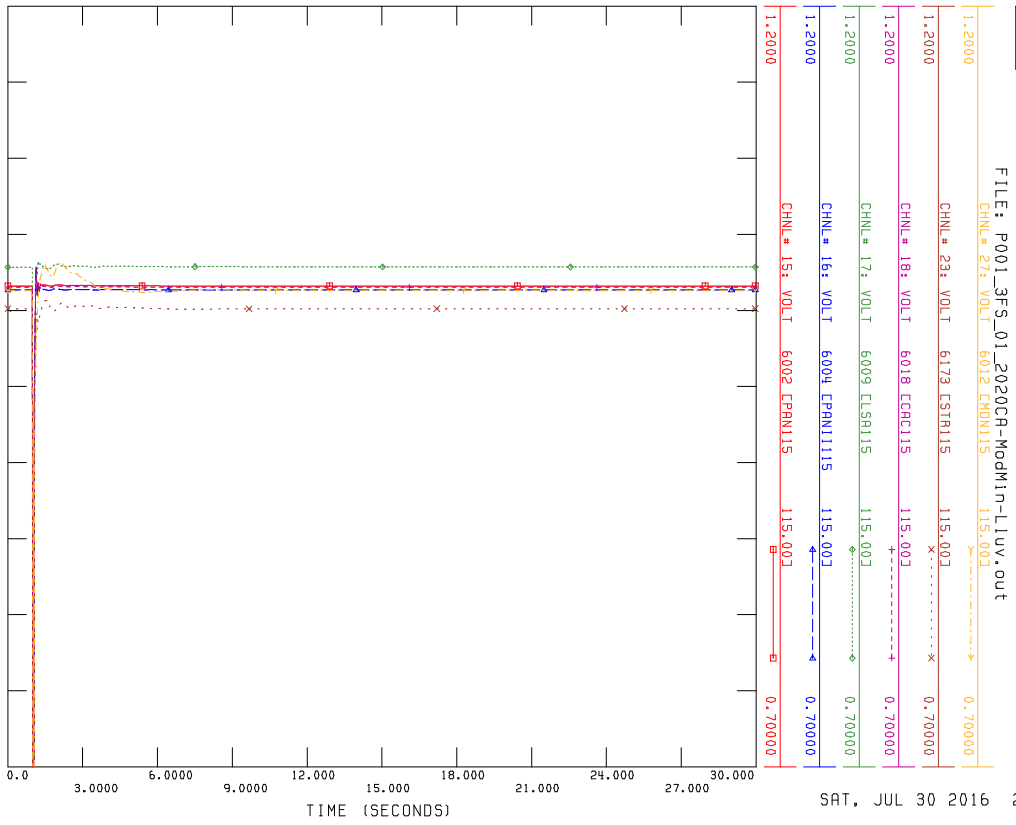


ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P001 3FS.
TENSIONES 230 KV - SIN





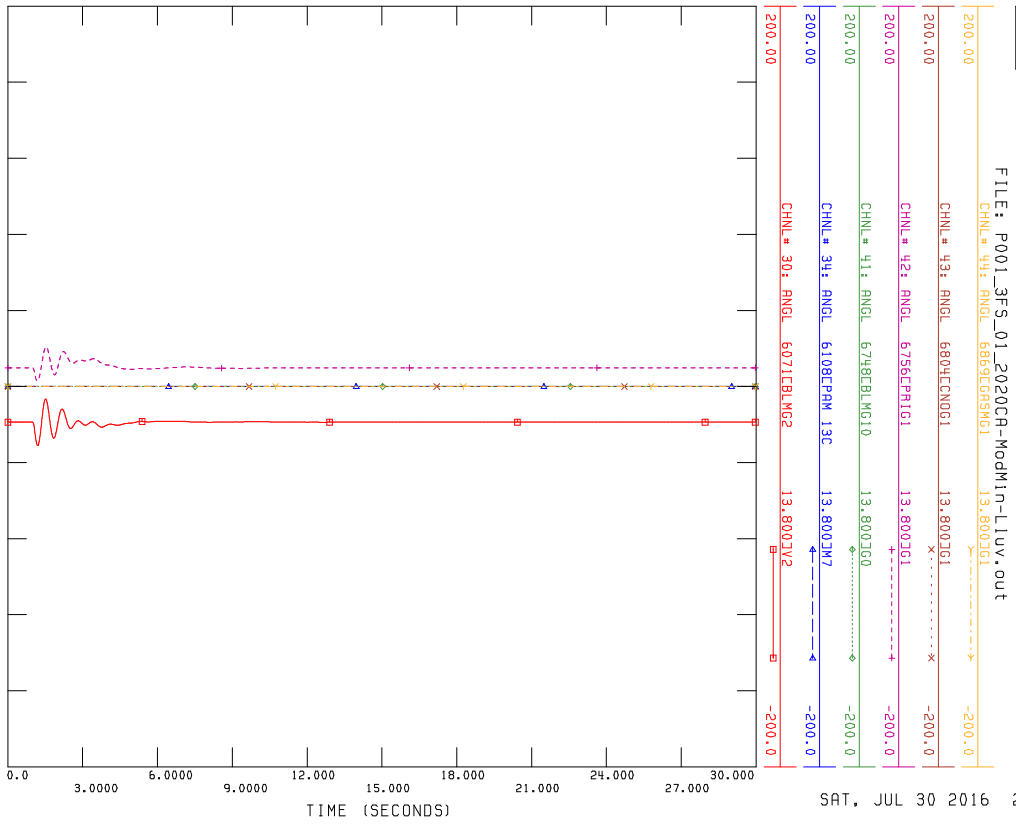
ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P001 3FS.
TENSIONES 115 KV - SIN



SAT, JUL 30 2016 21:26



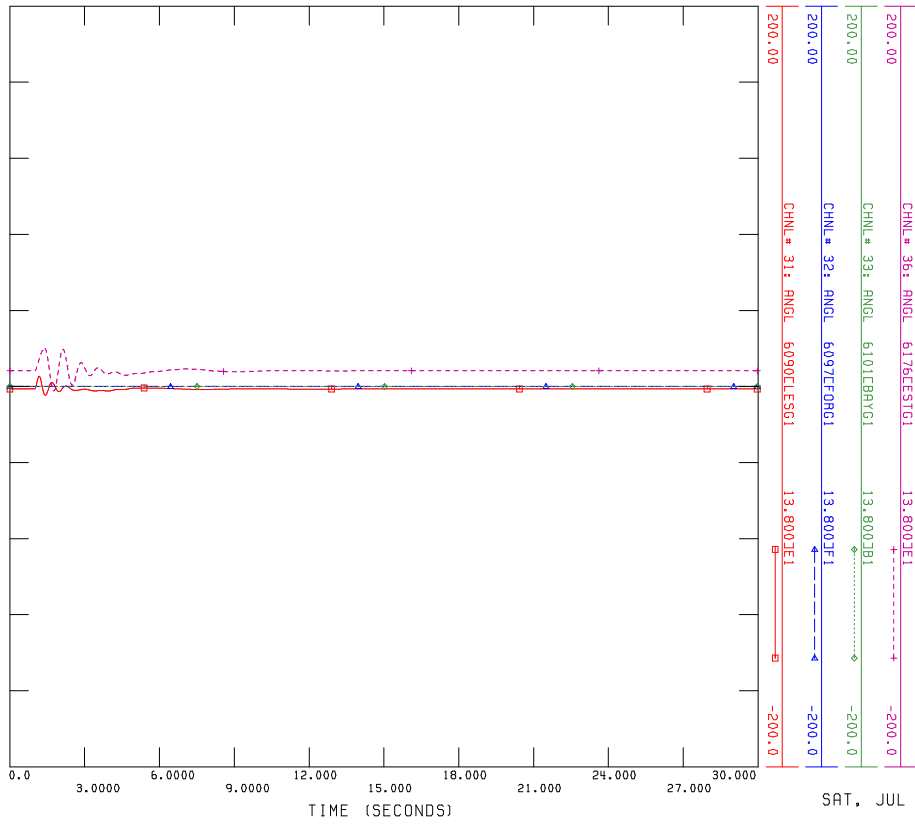
ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P001 3FS.
 ANGULOS RELATIVOS EN MODULOS TERMICRS.





ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P001 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P001_SFS_01_2020CR-ModMin-LLuv.out

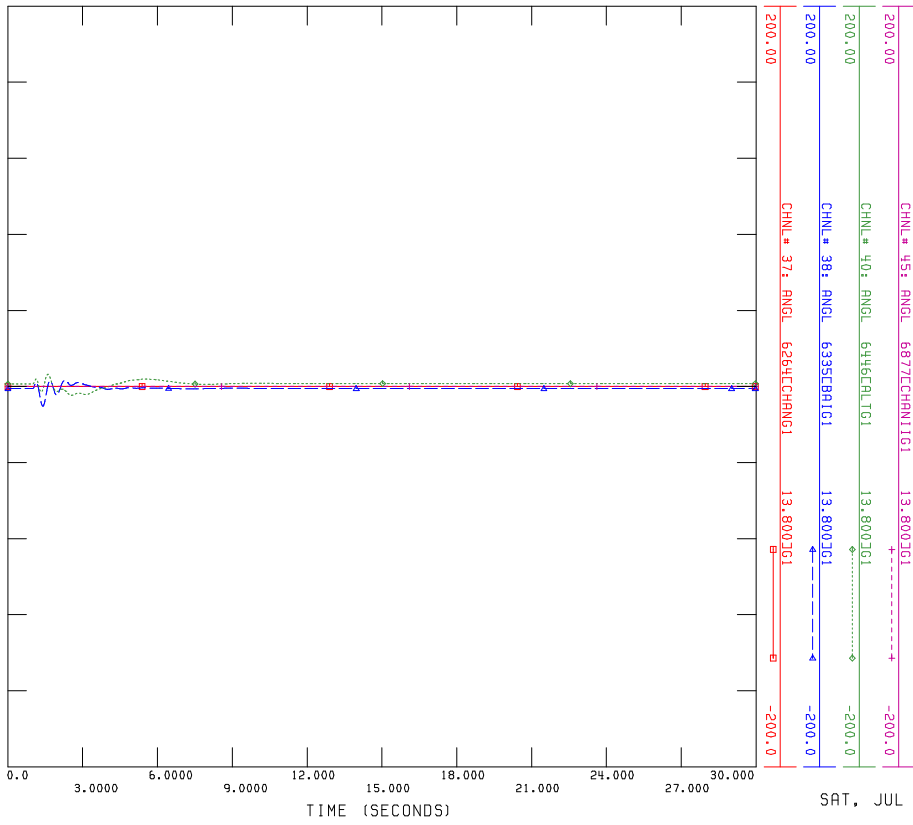


SAT, JUL 30 2016 21:26



ESCENARIO 01_2020CR-MODMIN-LUV - FALLA P001 3FS.
 ANGULOS RELATIVOS EN MODUINS HIDRAULICAS.

FILE: P001_3FS_01_2020CR-ModMin-Luv.out



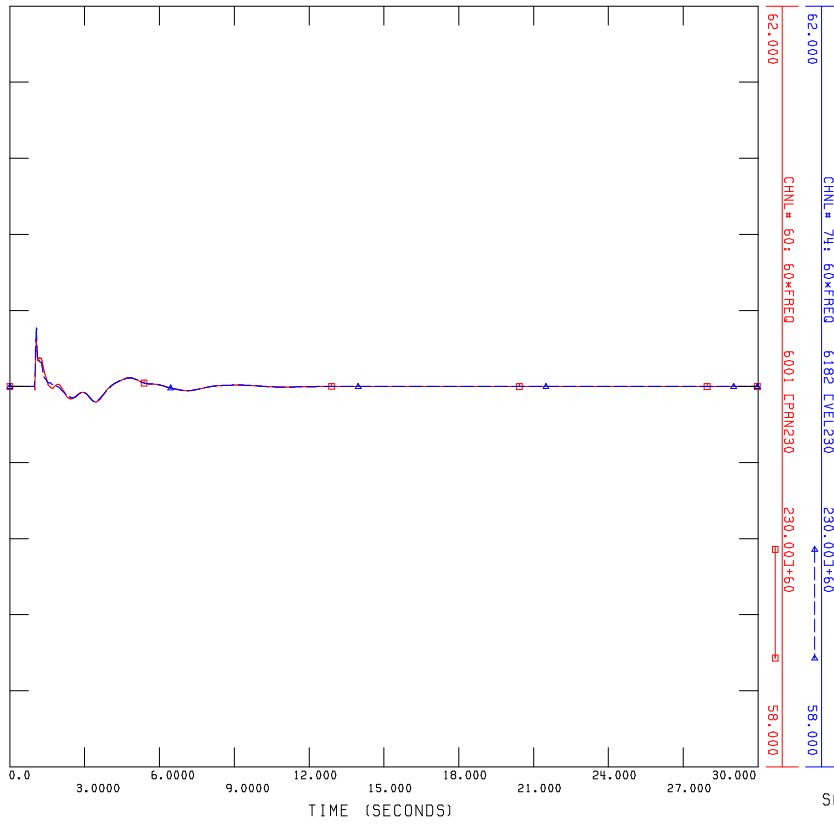
SAT, JUL 30 2016 21:26



REPUBLICA DE PANAMA
AUTORIDAD NACIONAL DE LOS SERVICIOS PÚBLICOS

ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P001 3FS.
FRECUENCIAS.

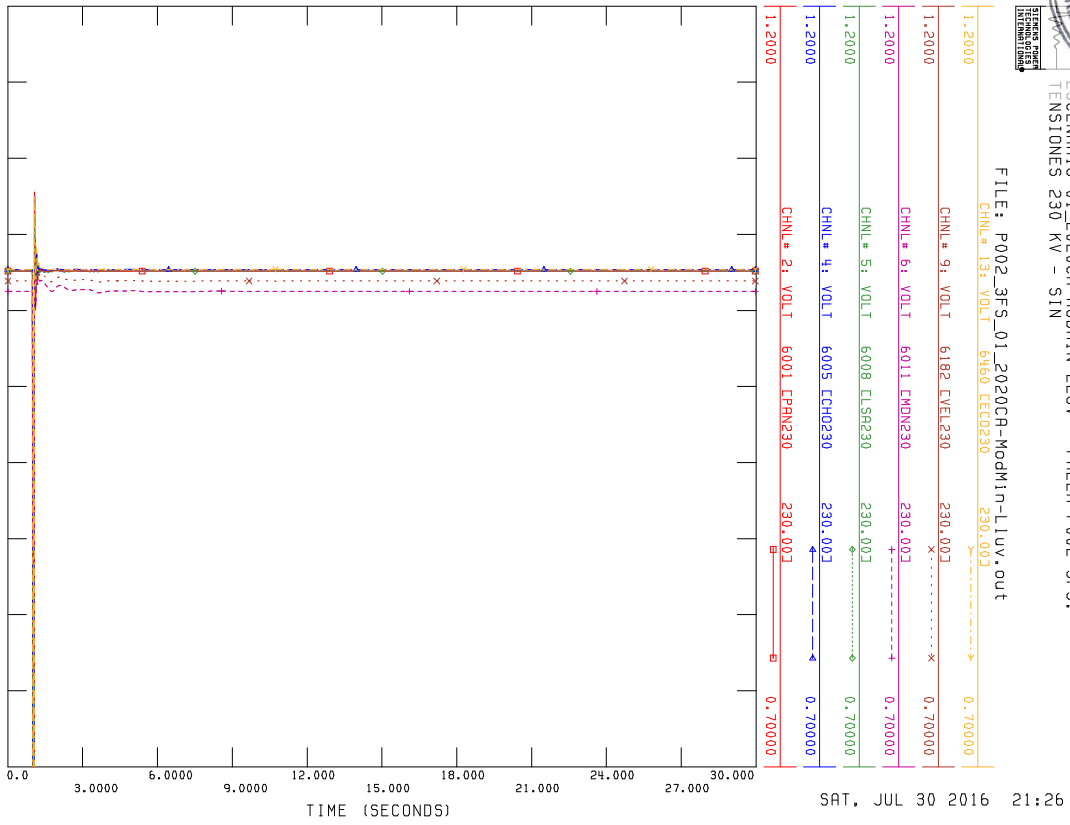
FILE: P001_SFS_01_2020CR-MODMIN-LLUV.out



SAT, JUL 30 2016 21:26



ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P002 3FS.
TENSIONES 230 KV - SIN

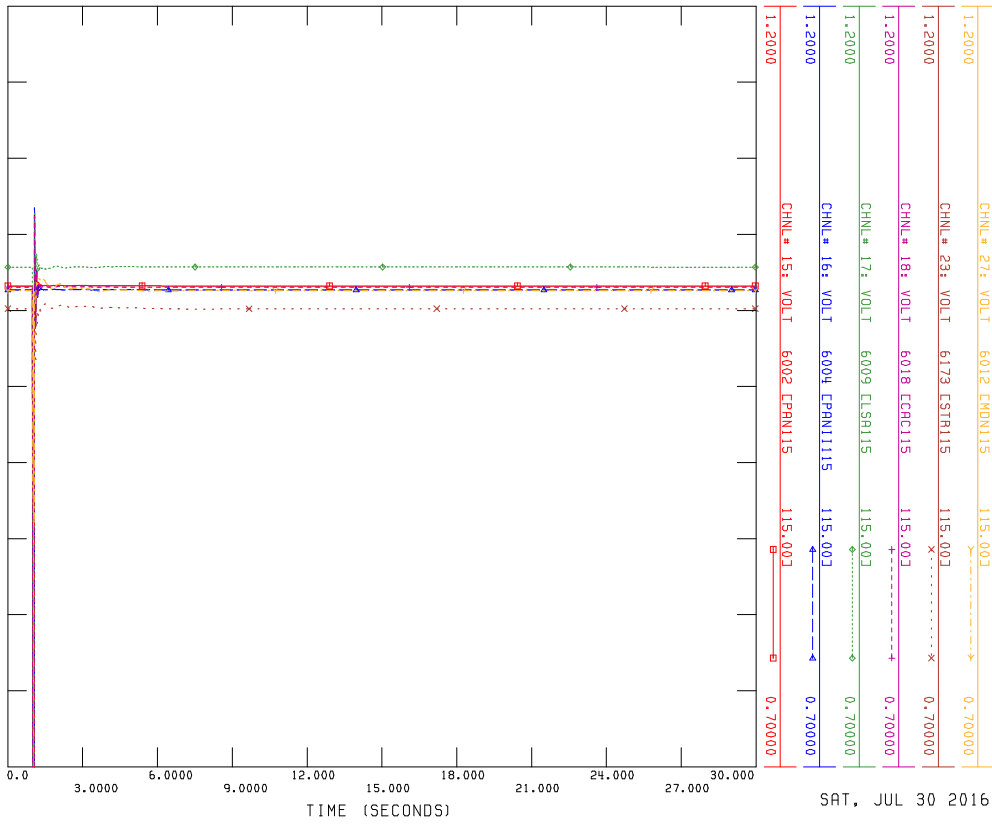


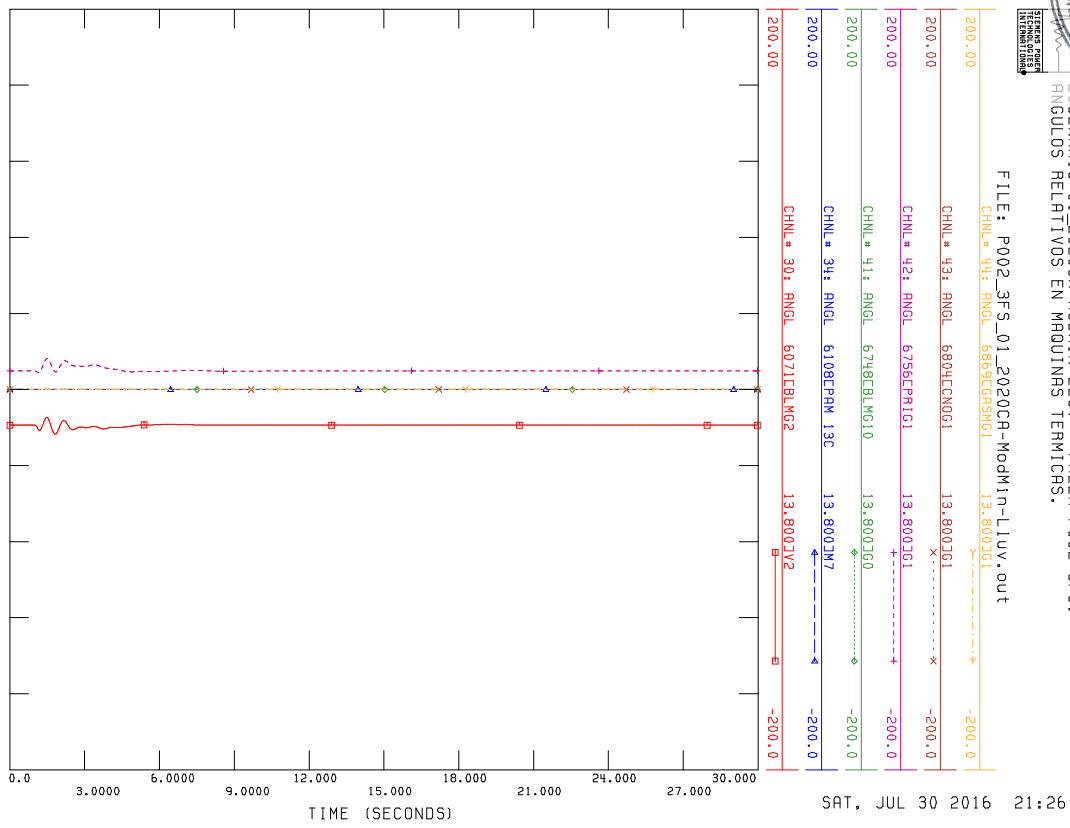


Legend
Legend
Legend
Legend

ESCENARIO 01_2020CR-MODMIN-LLUV - FALLA P002 3FS.
TENSIONES 115 KV - SIN

FILE: P002_3FS_01_2020CR-ModMin-LLuv.out







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

FILE: P002_SFS_01_2020CR-MODMIN-LUV.out

