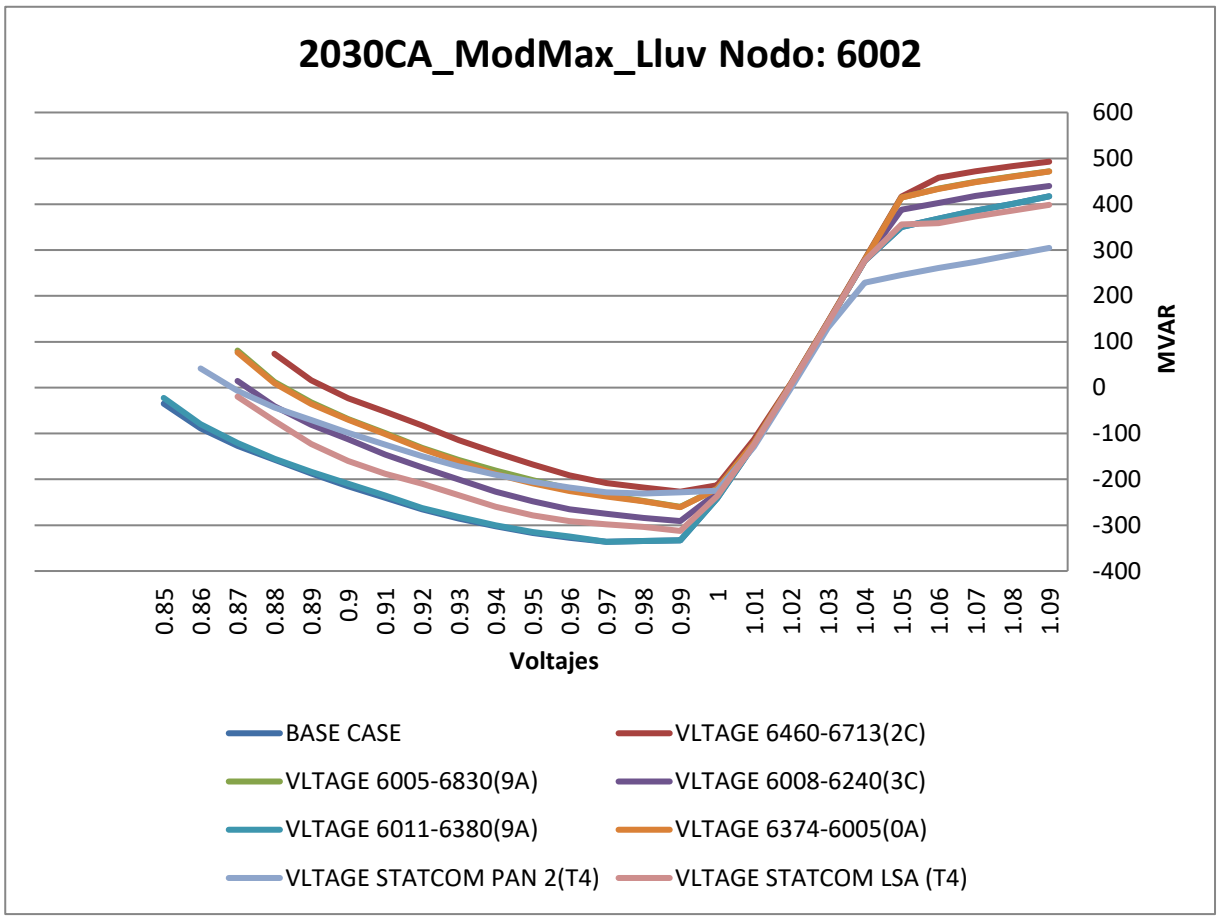
ANEXO V
ANÁLISIS QV LARGO PLAZO

CASO DE REFERENCIA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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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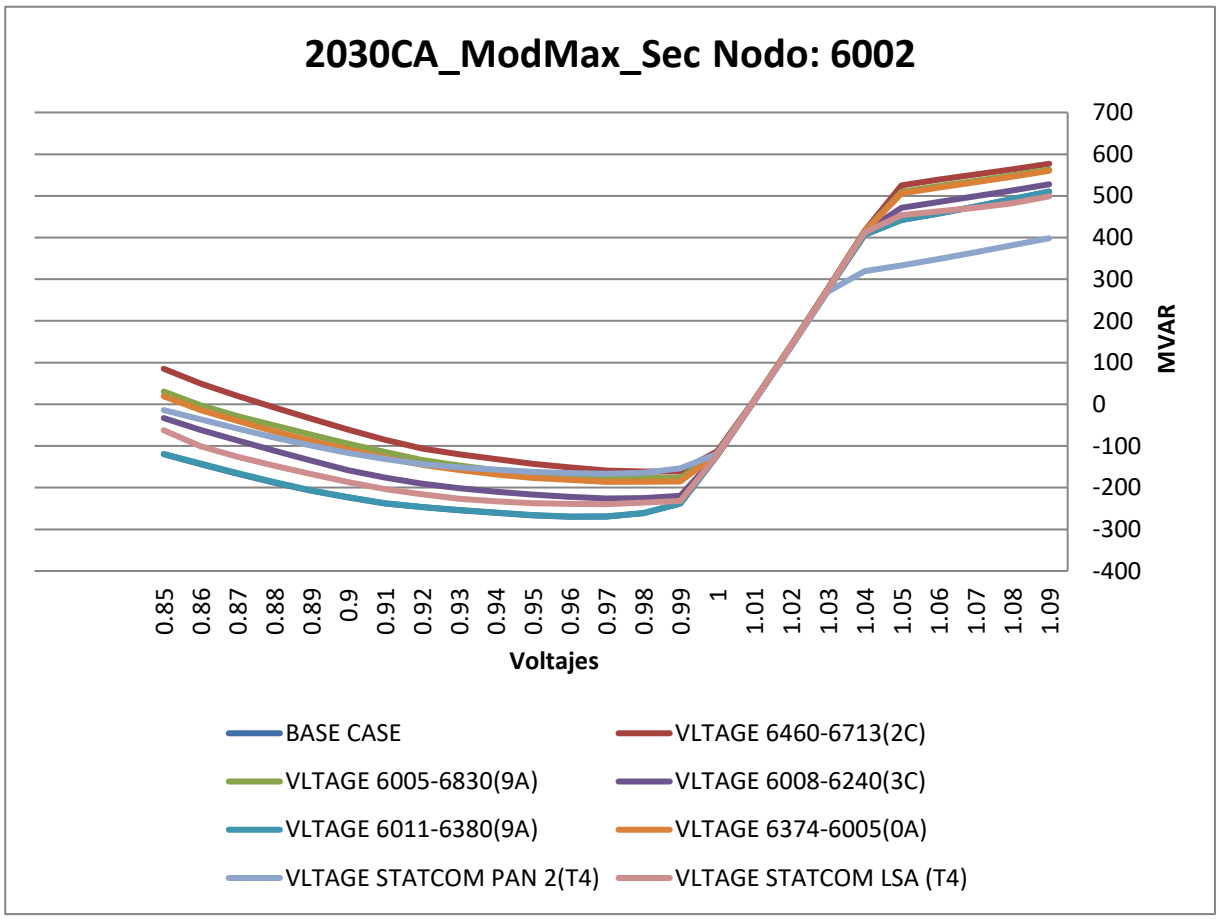
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VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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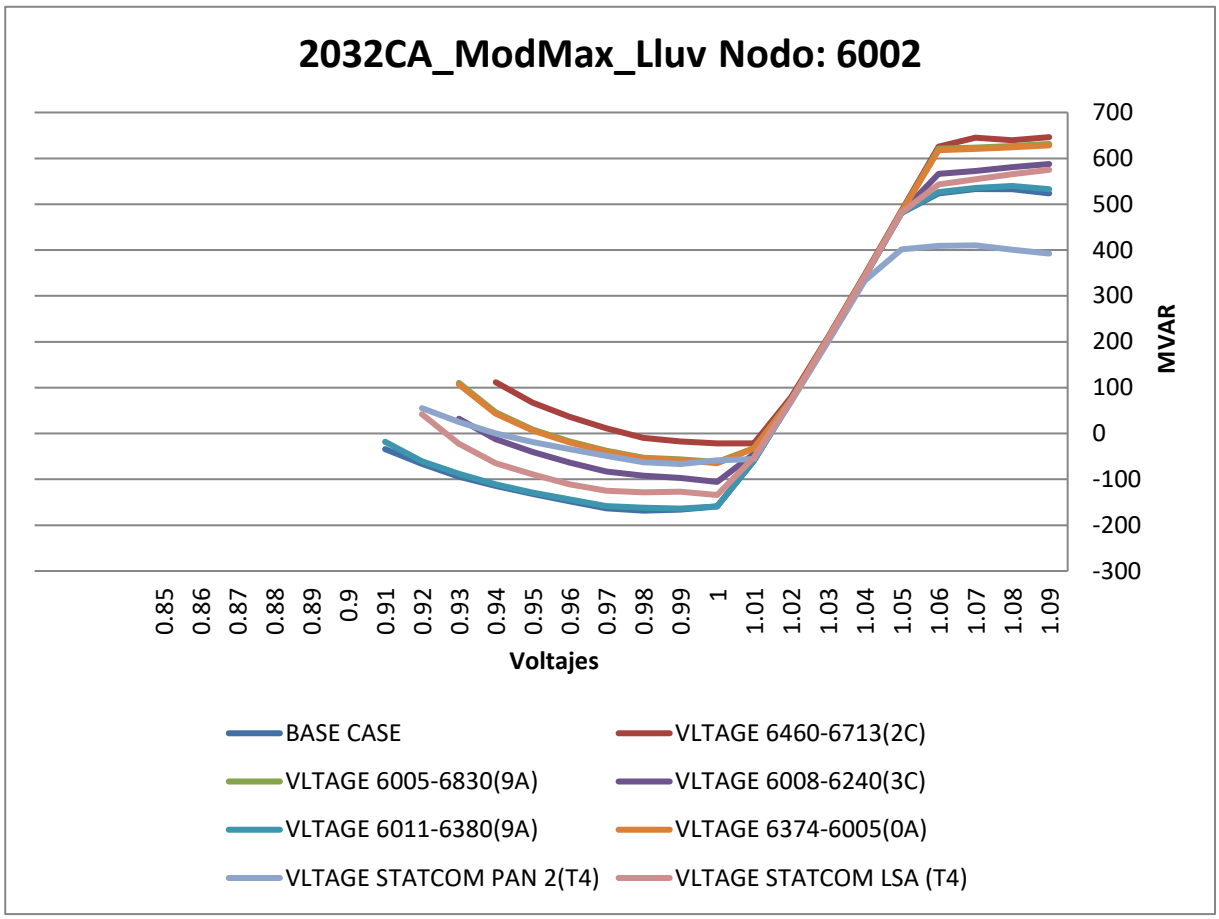
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VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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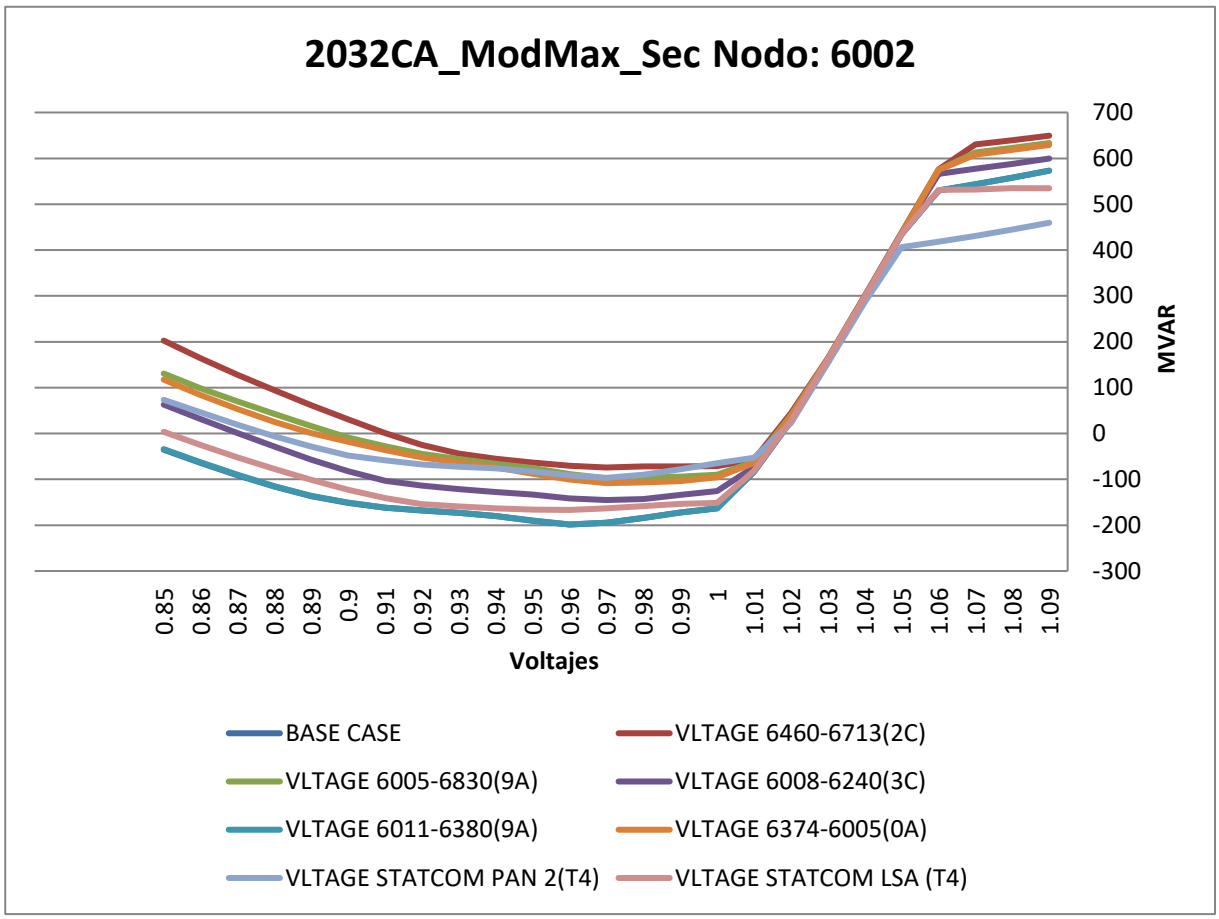
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VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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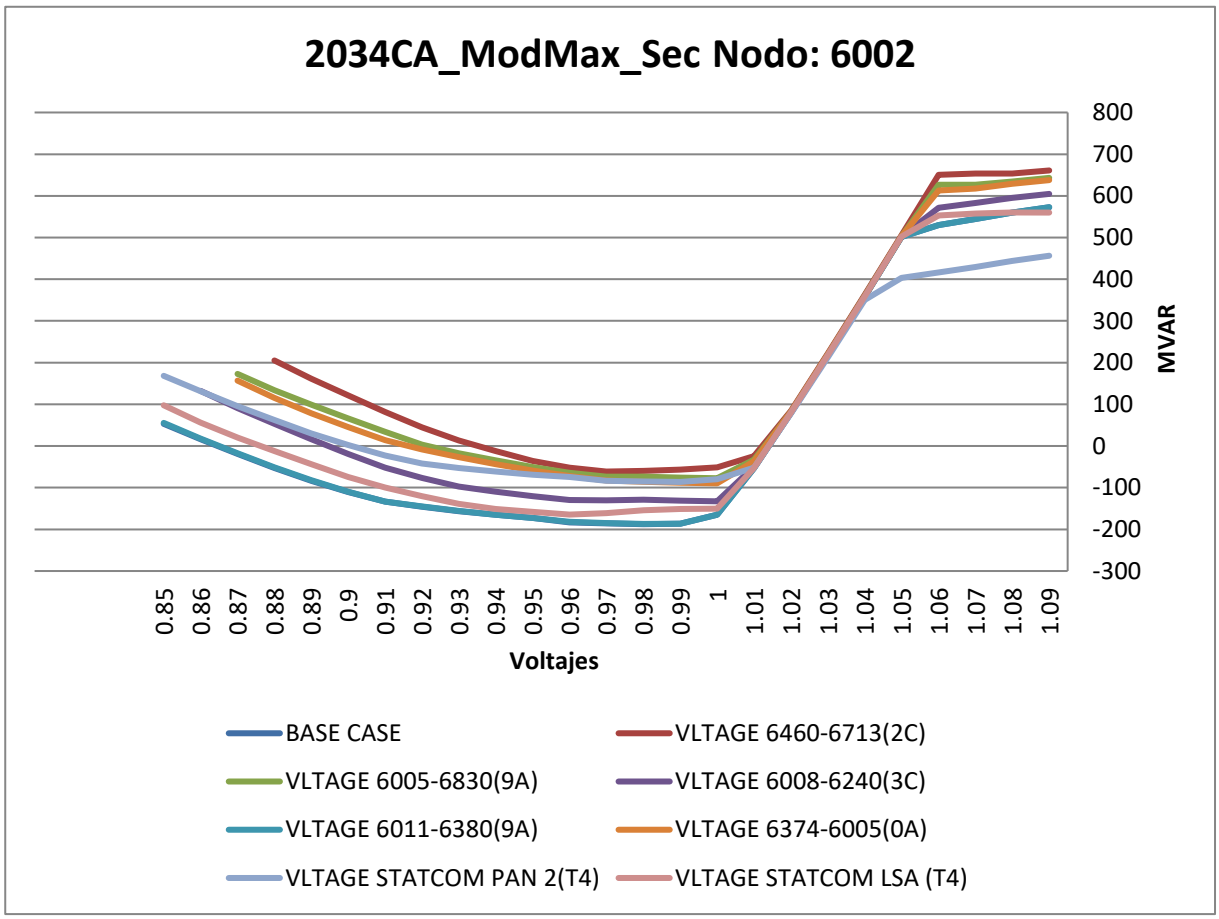
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VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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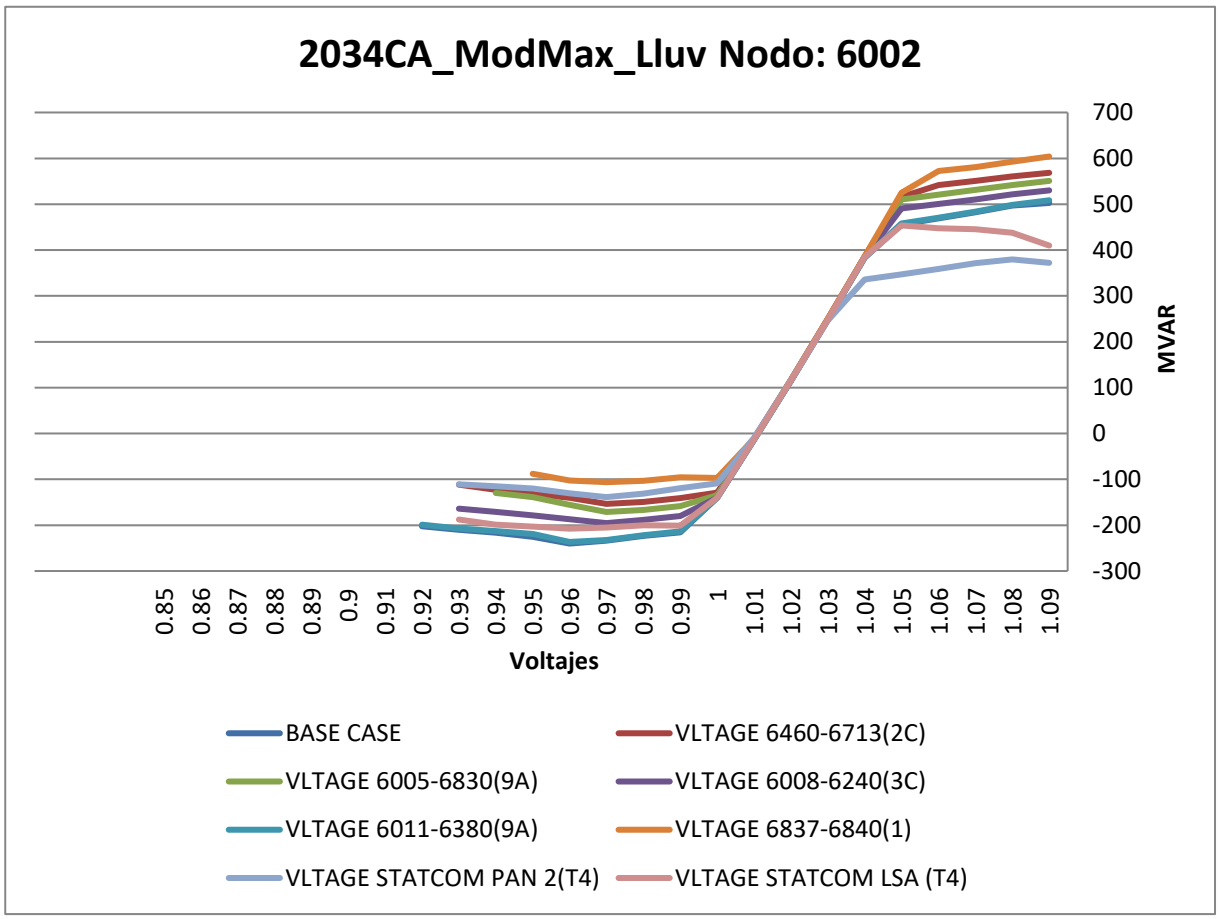
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VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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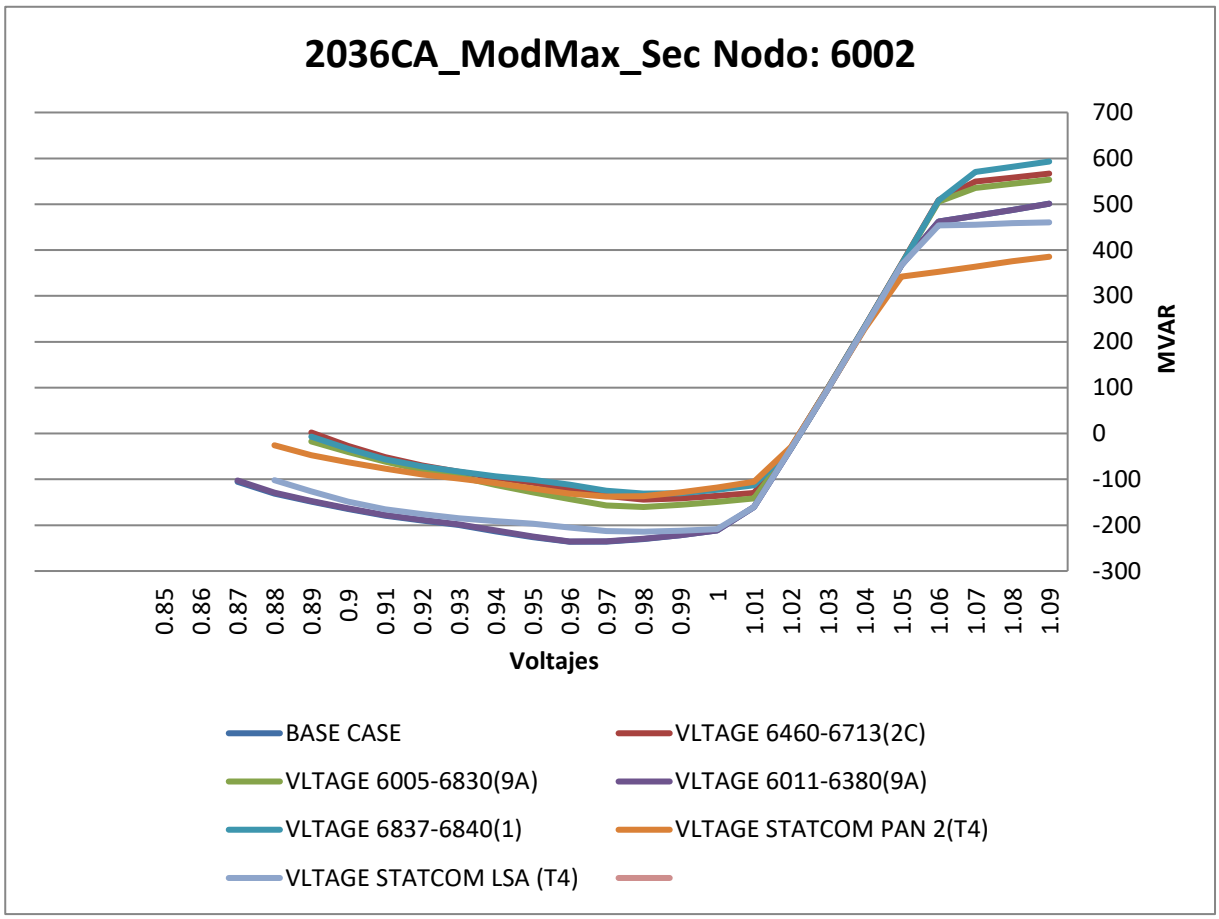
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VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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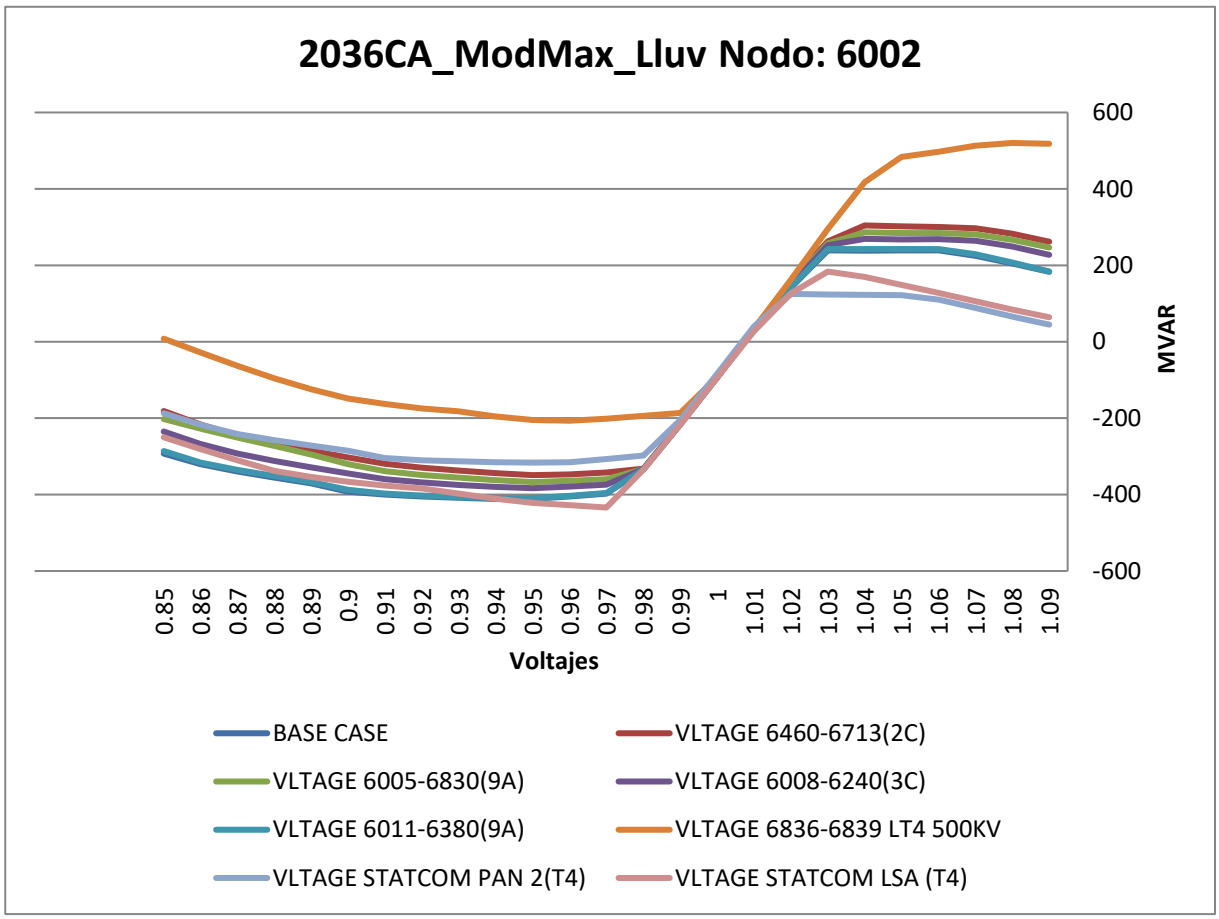
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BASE CASE
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VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4/	LTAGE STATCOM LSA (T4)
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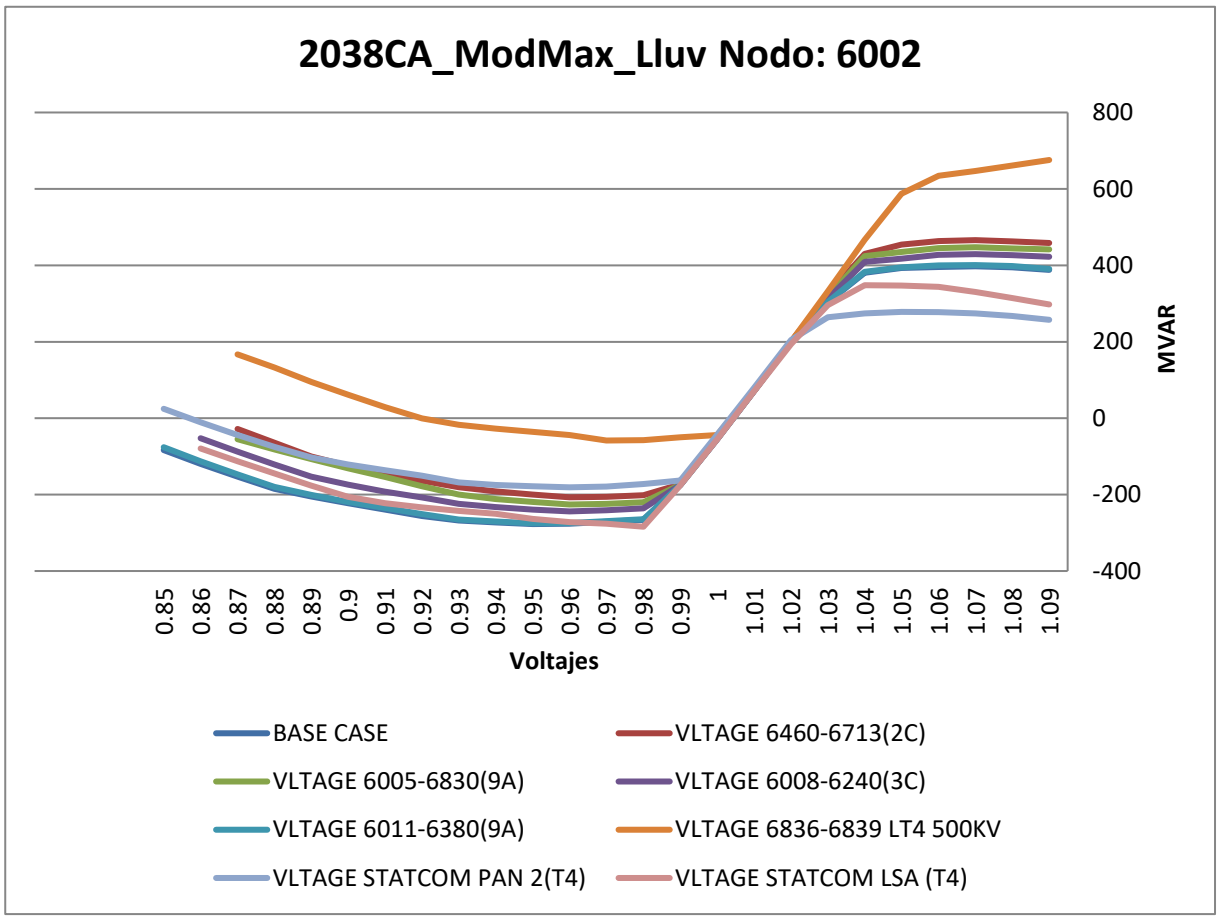
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VLTAGE 6008-6240(3C)
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VLTAGE 6836-6839 LT4 500KV
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4/	LTAGE STATCOM LSA (T4)
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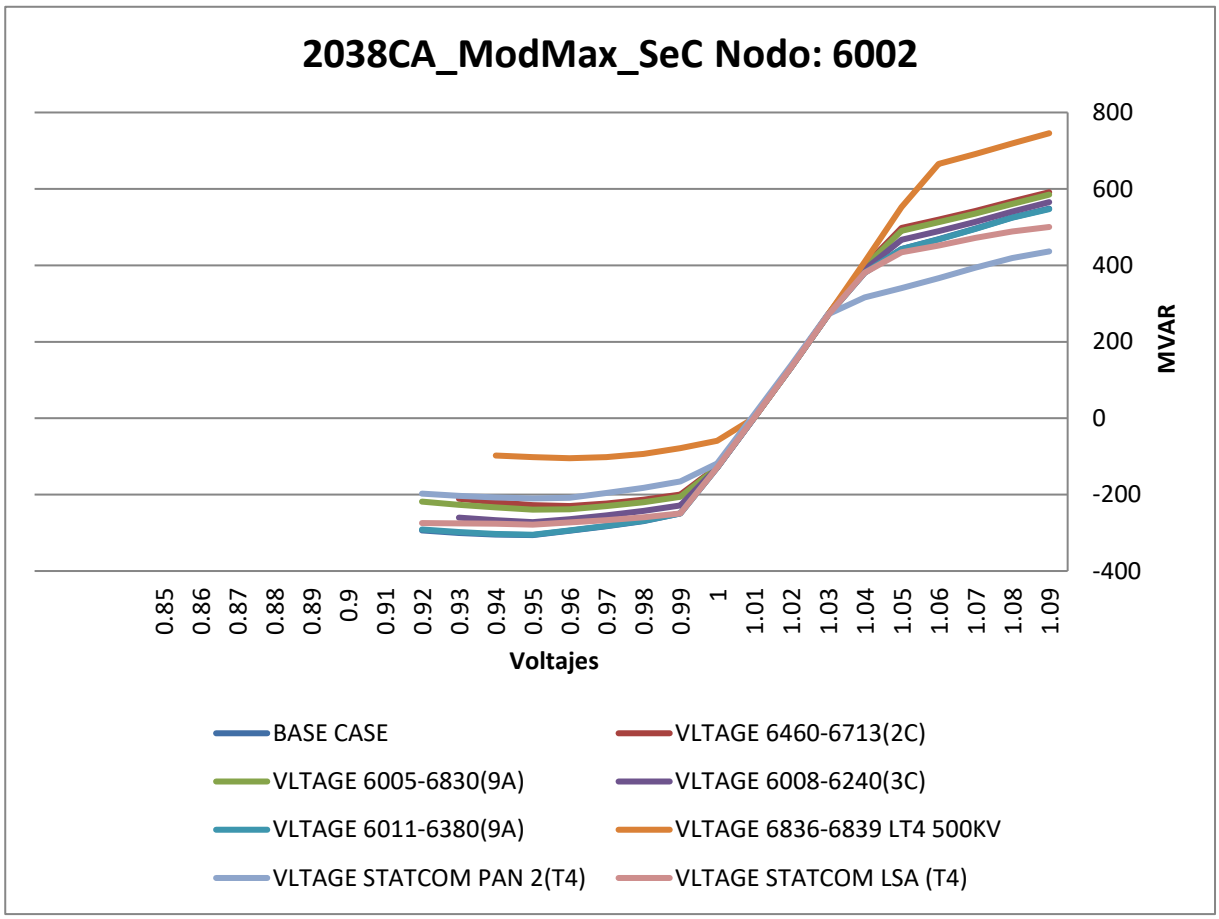
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BASE CASE
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VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4/	LTAGE STATCOM LSA (T4)
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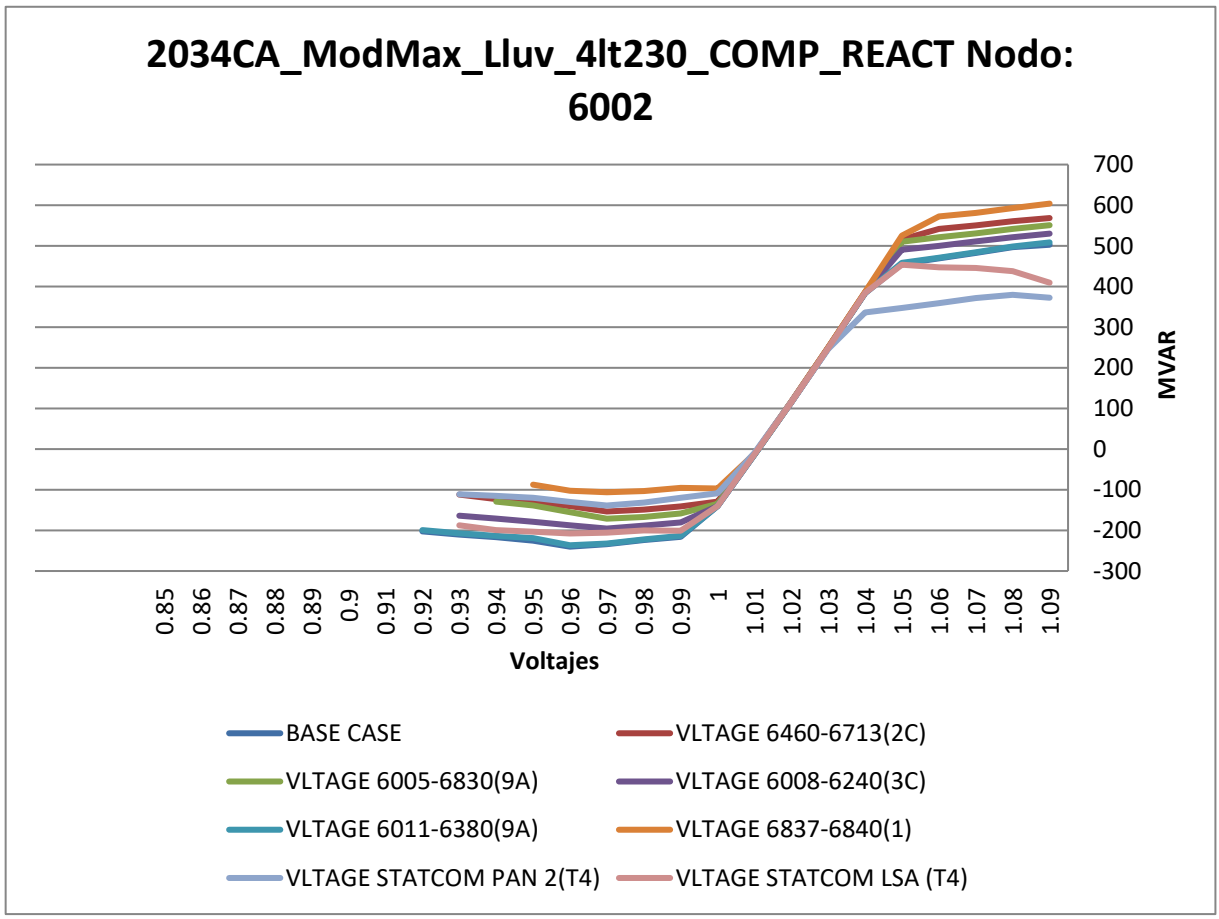
CUARTA LÍNEA 230KV CON COMPENSACIÓN REACTIVA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Voltajes
BASE CASE
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VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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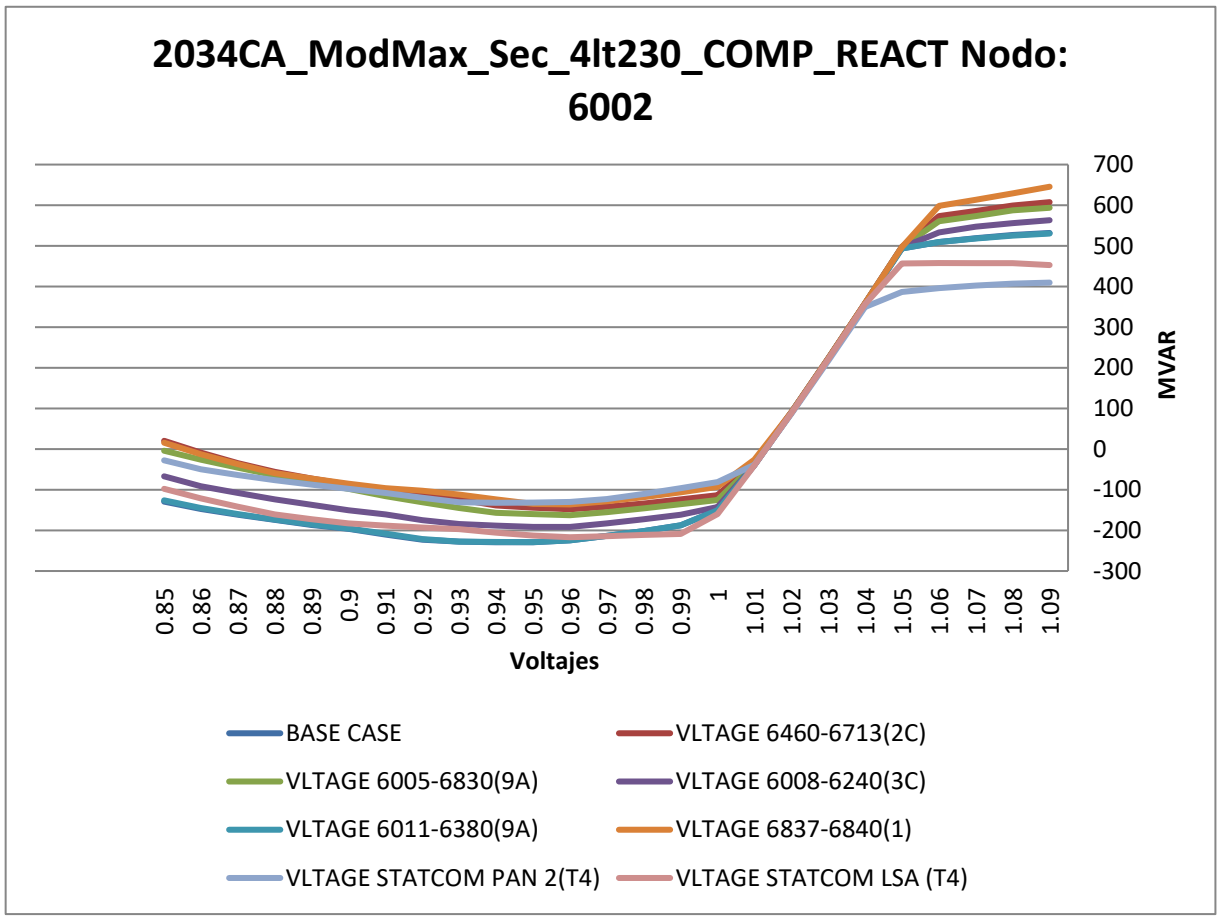
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VLTAGE 6005-6830(9A)
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VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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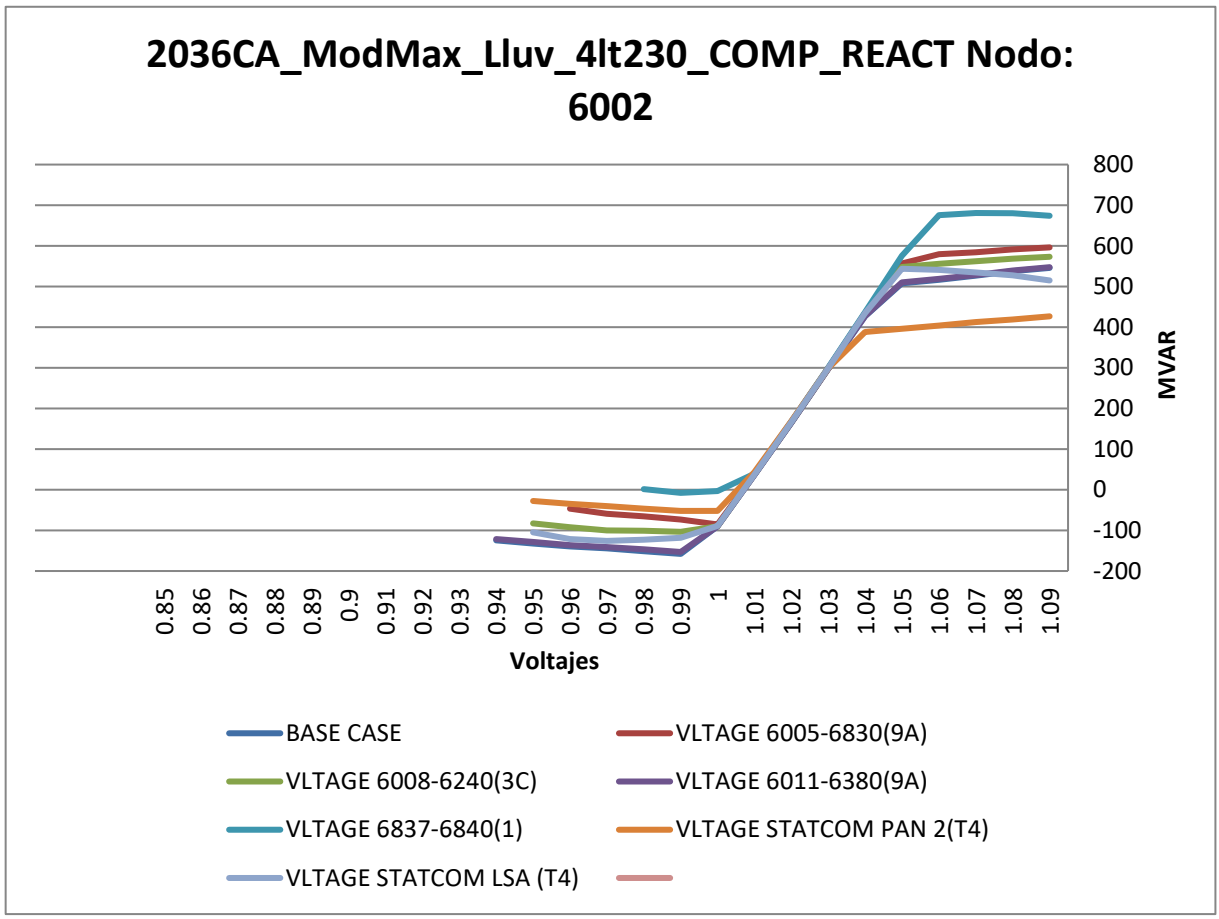
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VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
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VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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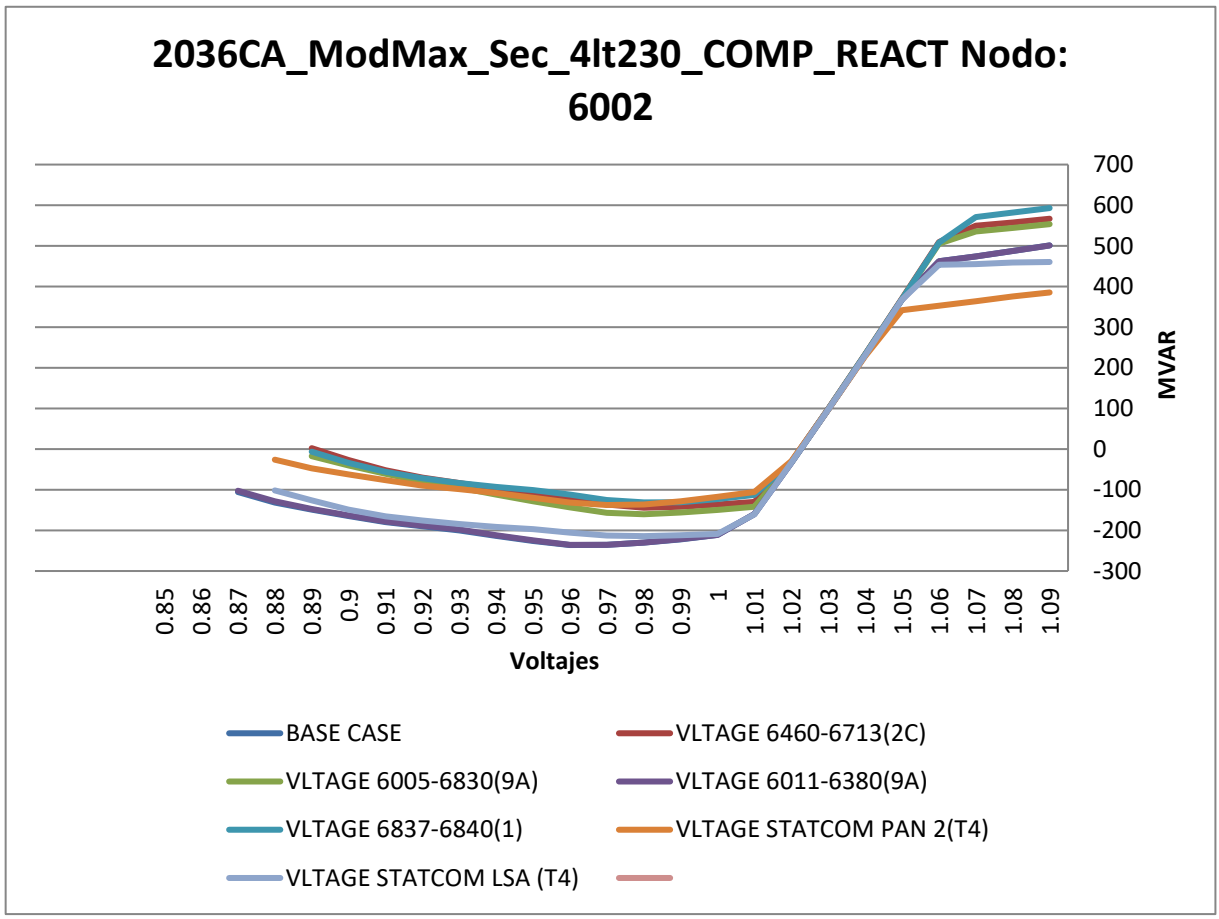
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VLTAGE 6005-6830(9A)
VLTAGE 6011-6380(9A)
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VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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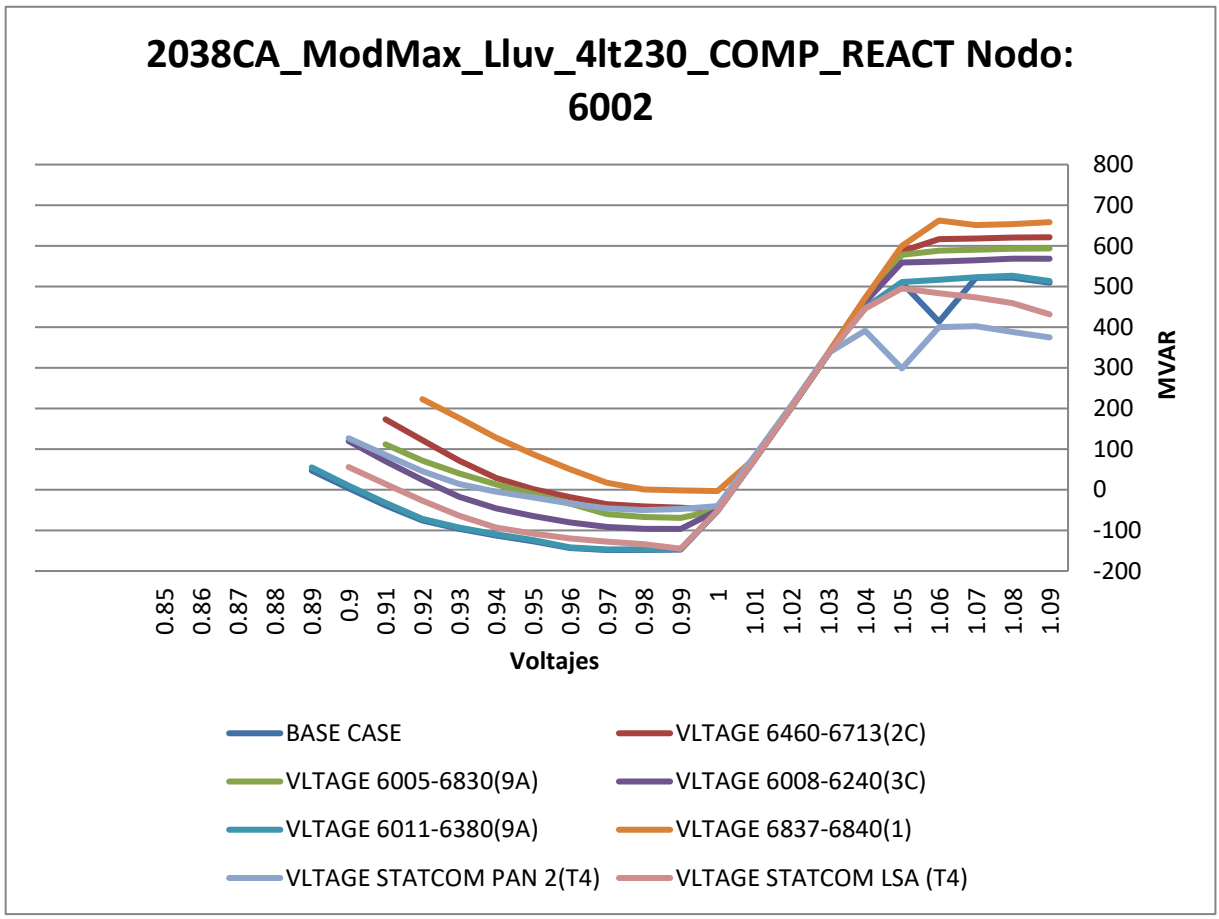
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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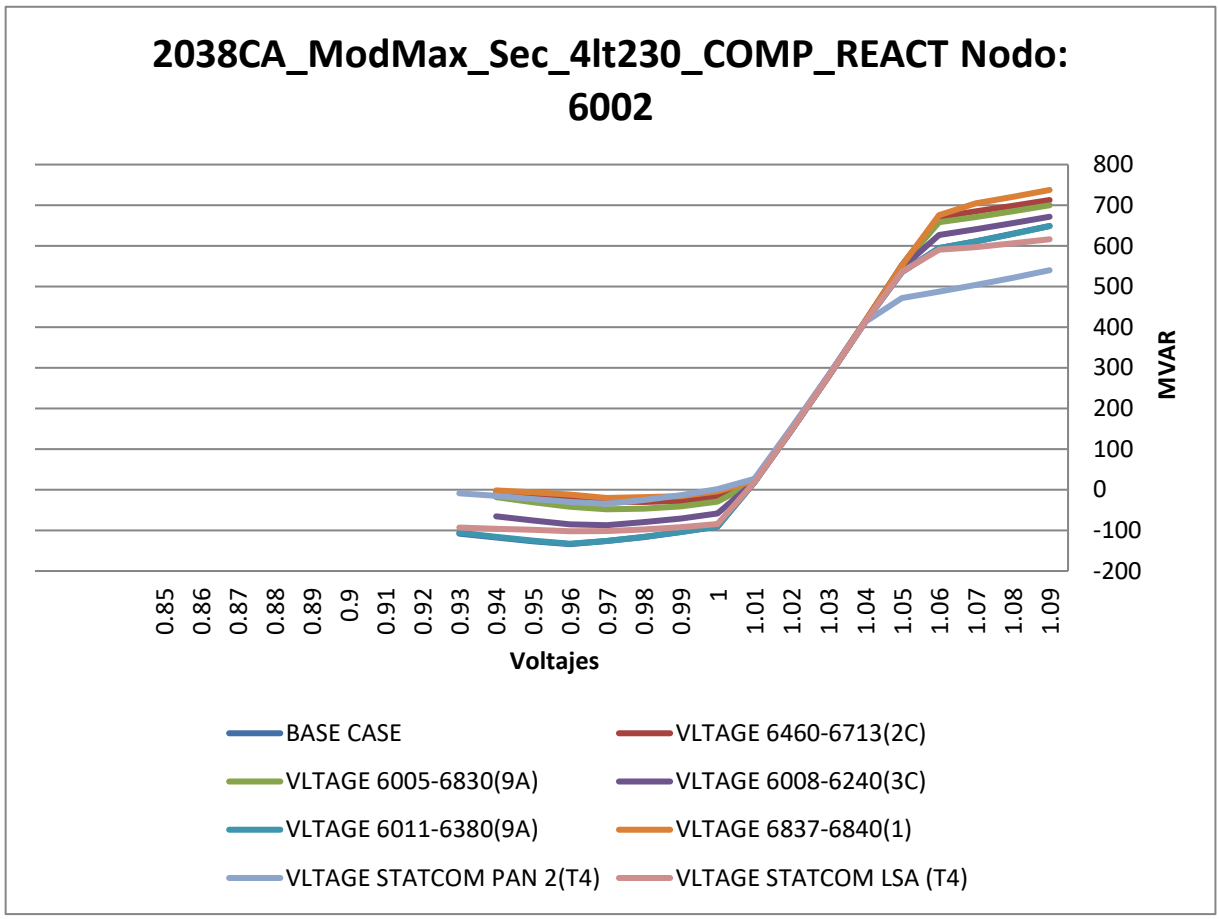
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
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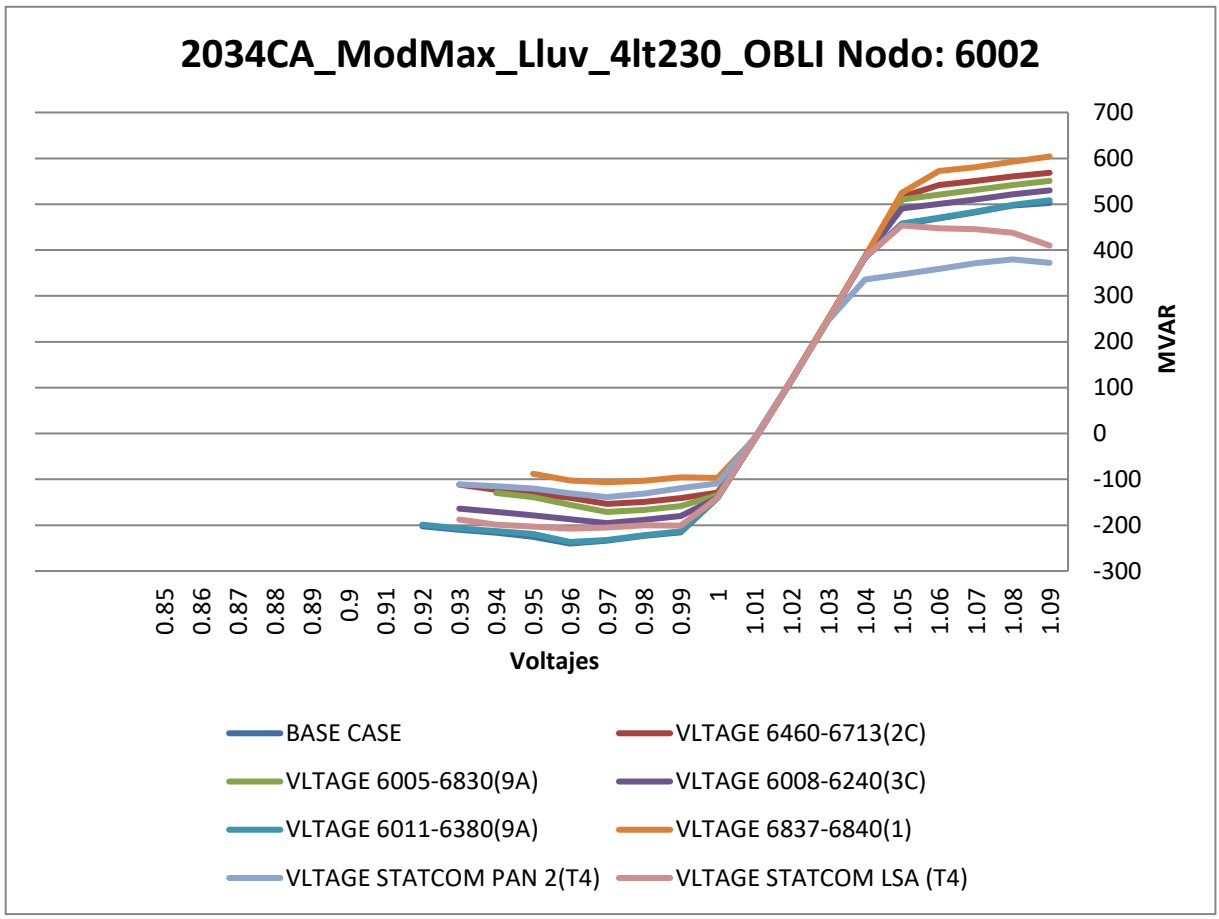
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-133.8730164	-30.06718063	-48.16797256	-87.26670074	-132.7842712	-20.26537514	-34.74162292	-102.1298752

CUARTA LÍNEA 230KV CON DESPACHO OBLIGADO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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
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VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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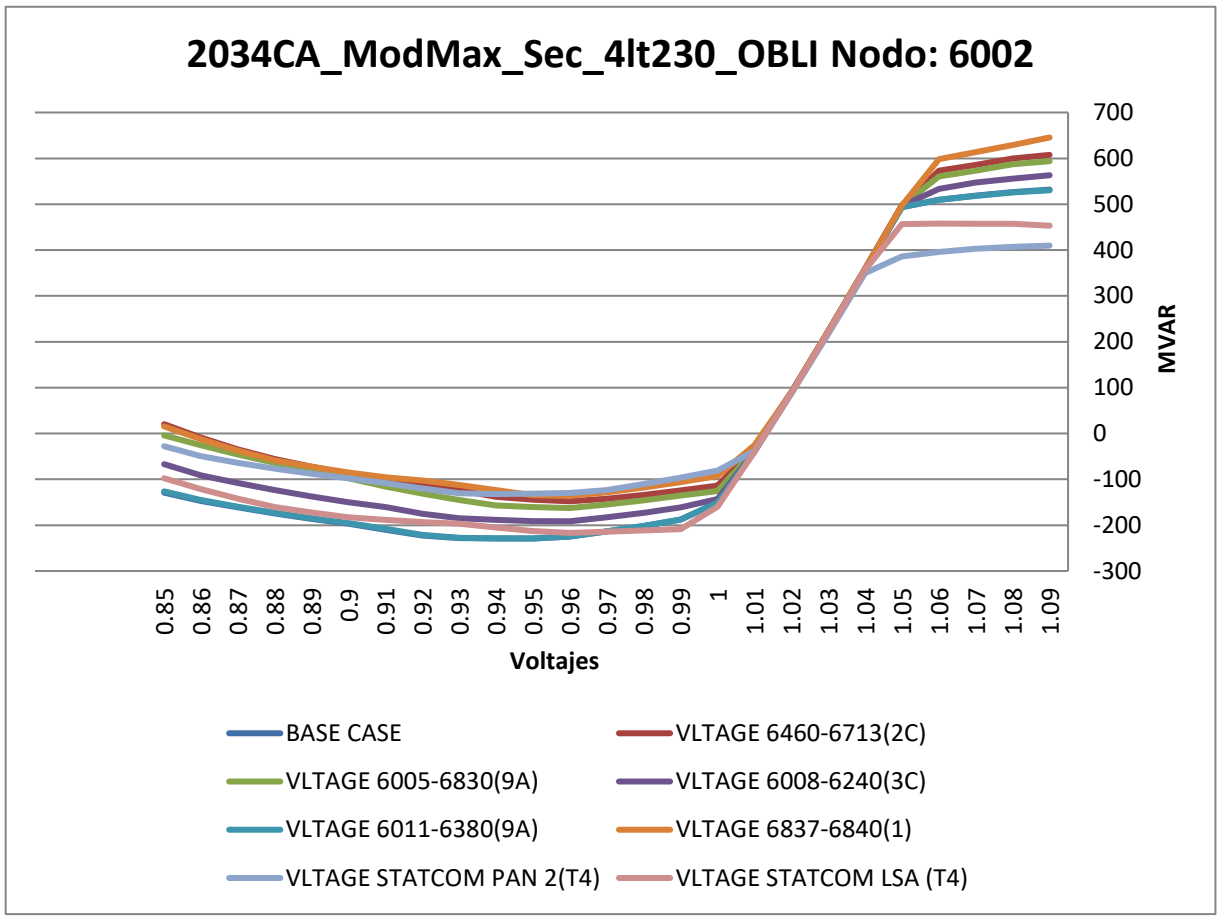
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
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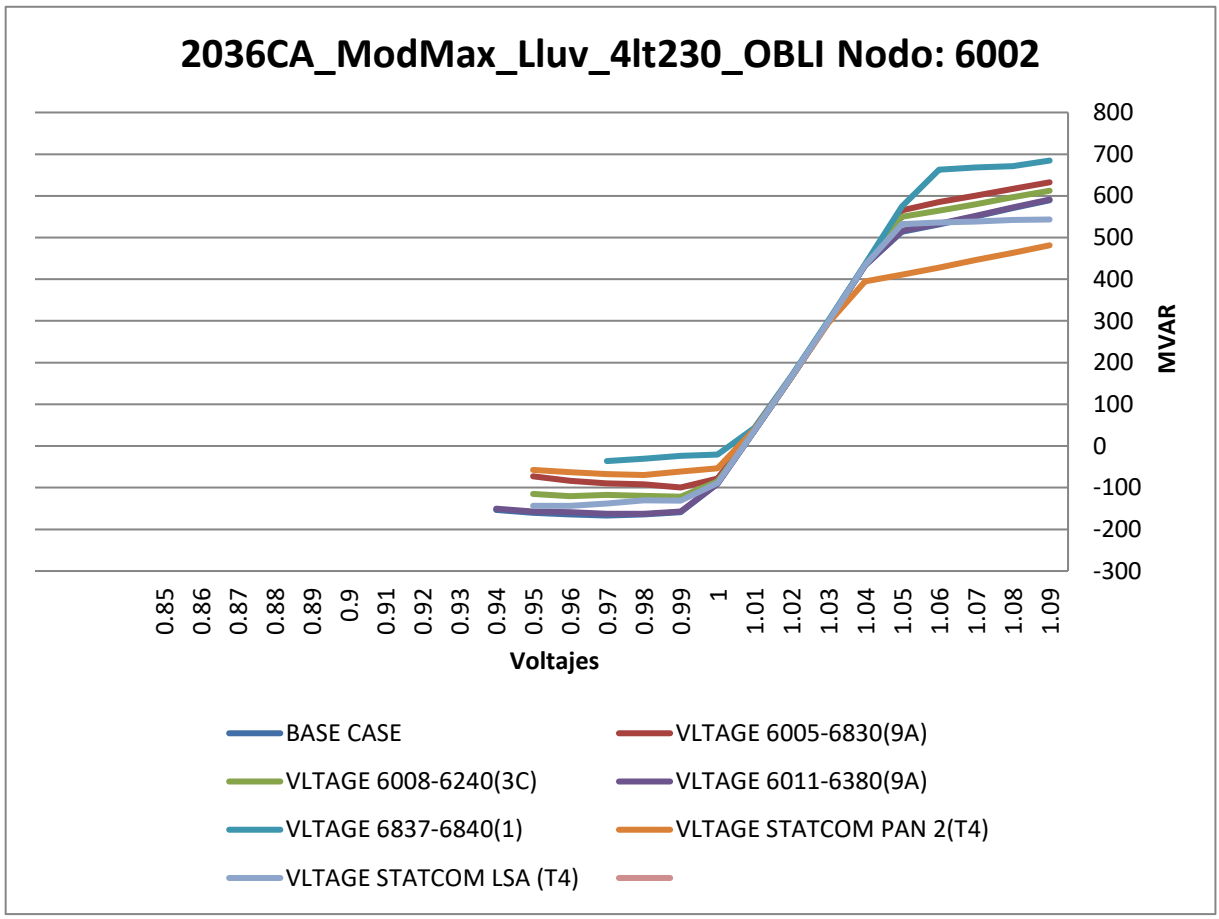
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-229.1918488	-147.9972687	-162.7303467	-191.5342255	-228.9051056	-136.2027283	-132.1042786	-216.8616028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BASE CASE
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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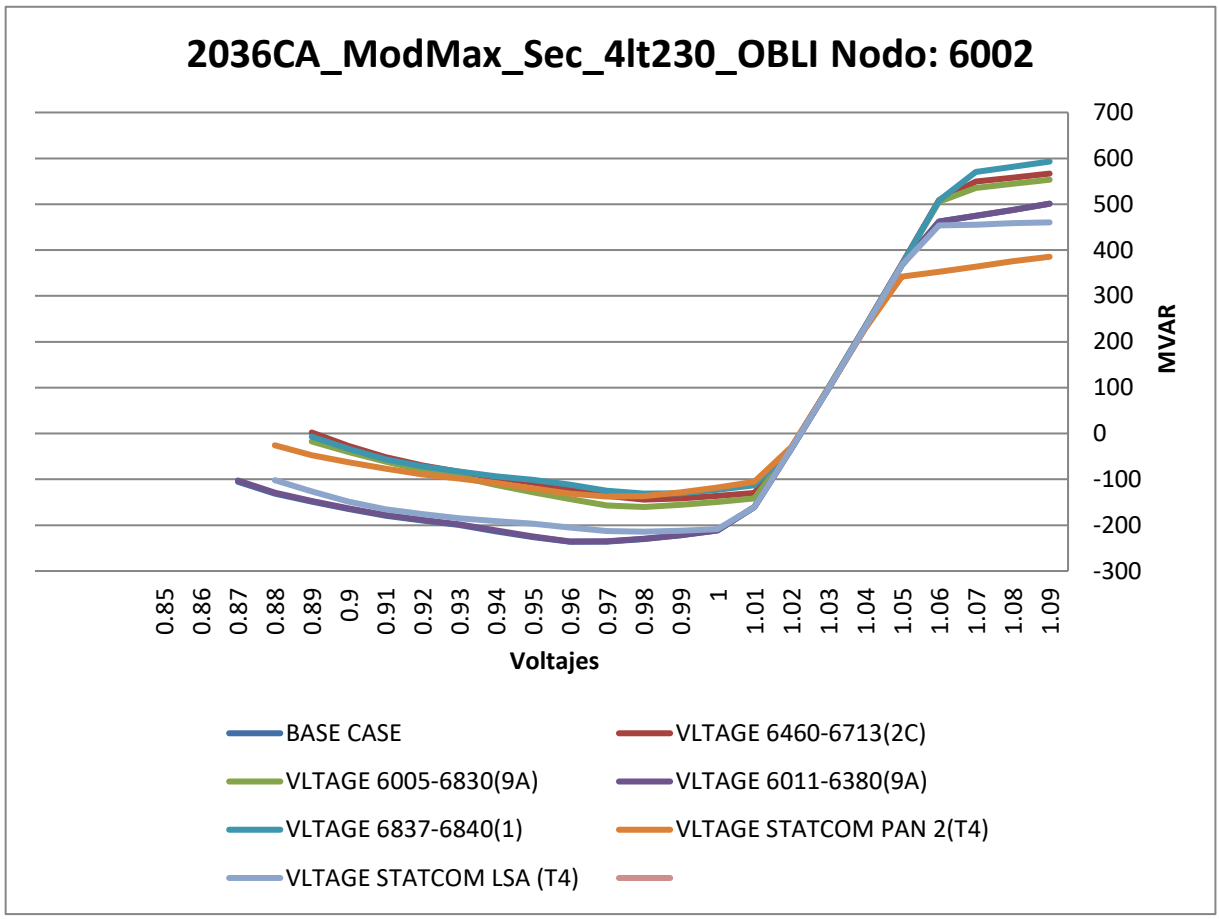
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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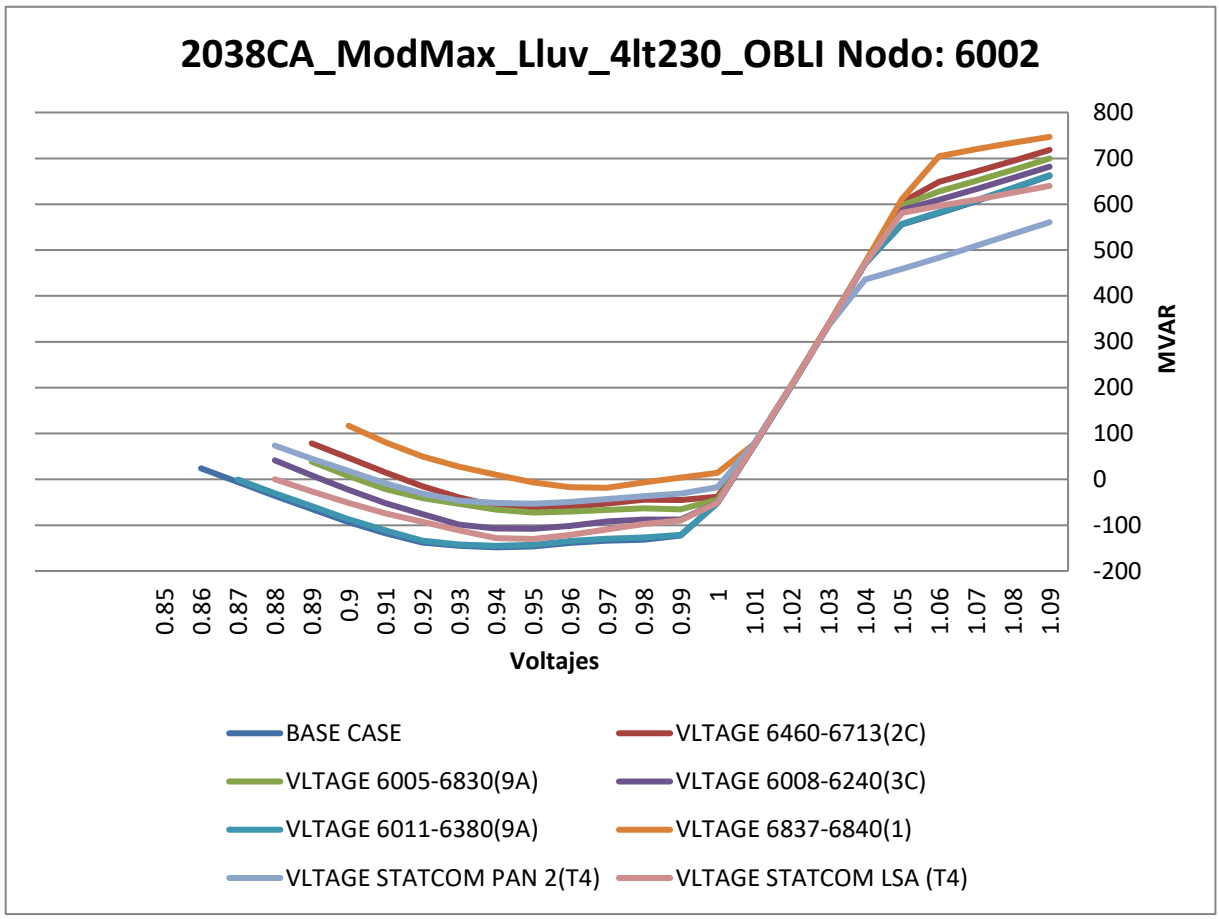
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
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VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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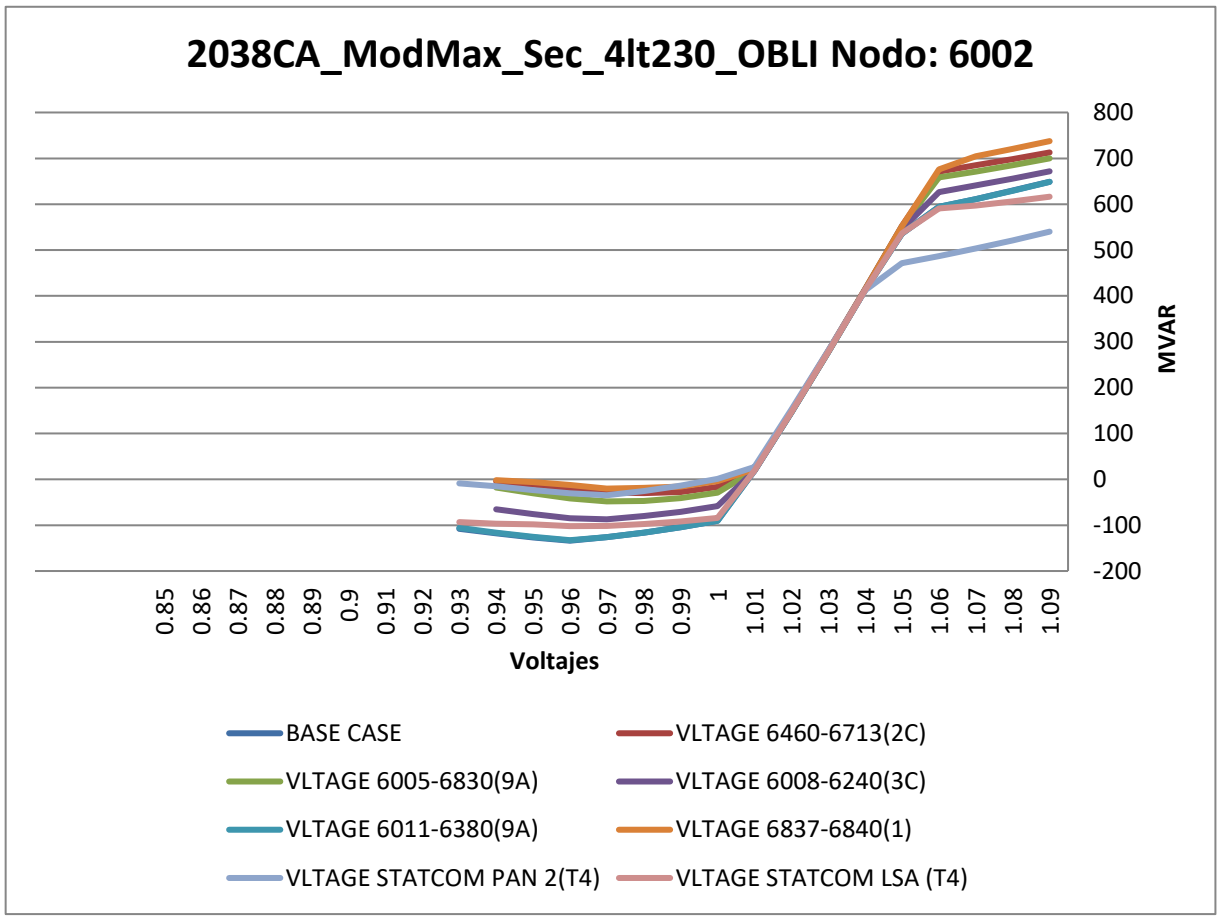
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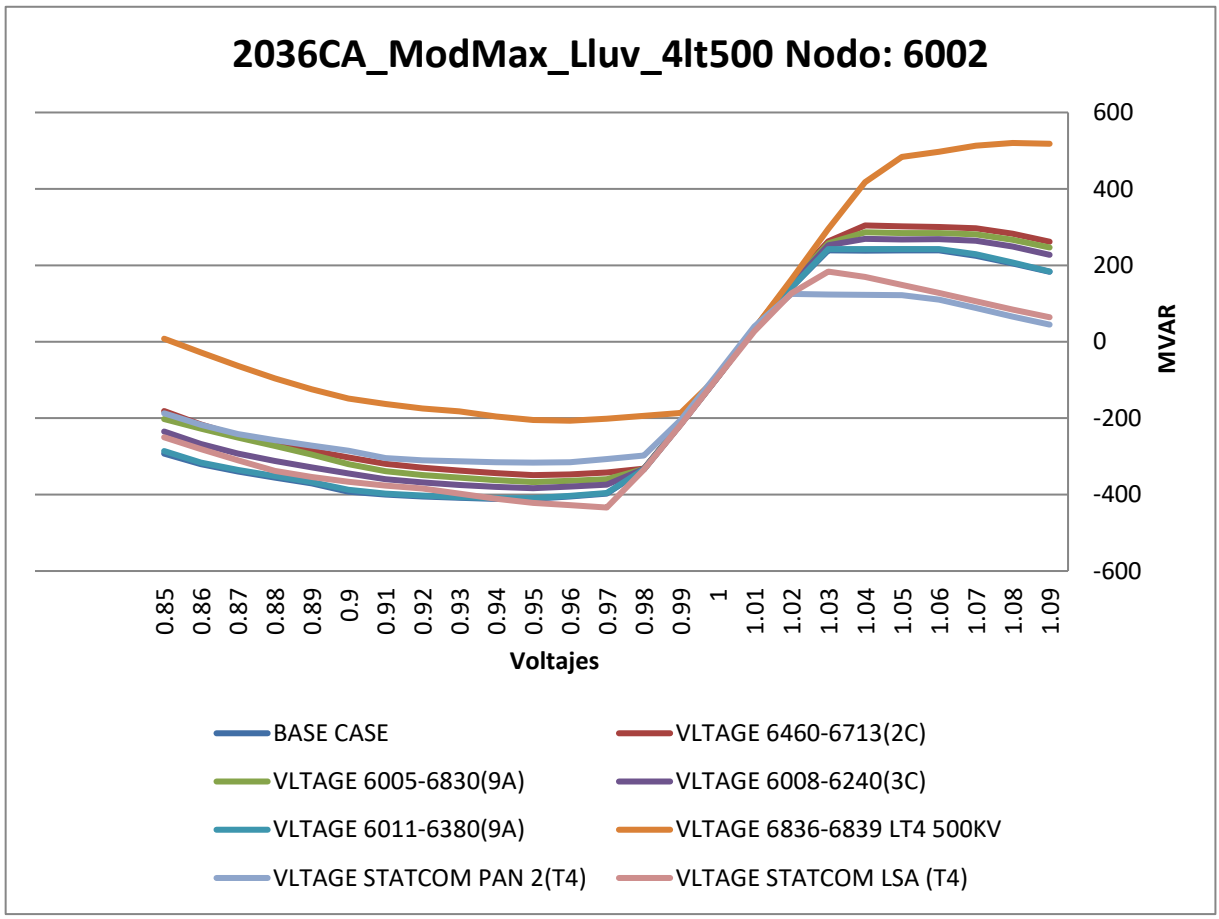
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6837-6840(1)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6837-6840(1)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-133.8730164	-30.06718063	-48.16797256	-87.26670074	-132.7842712	-20.26537514	-34.74162292	-102.1298752

CUARTA LÍNEA 500KV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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6836-6839 LT4 500KV
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4	/LTAGE STATCOM LSA (T4)
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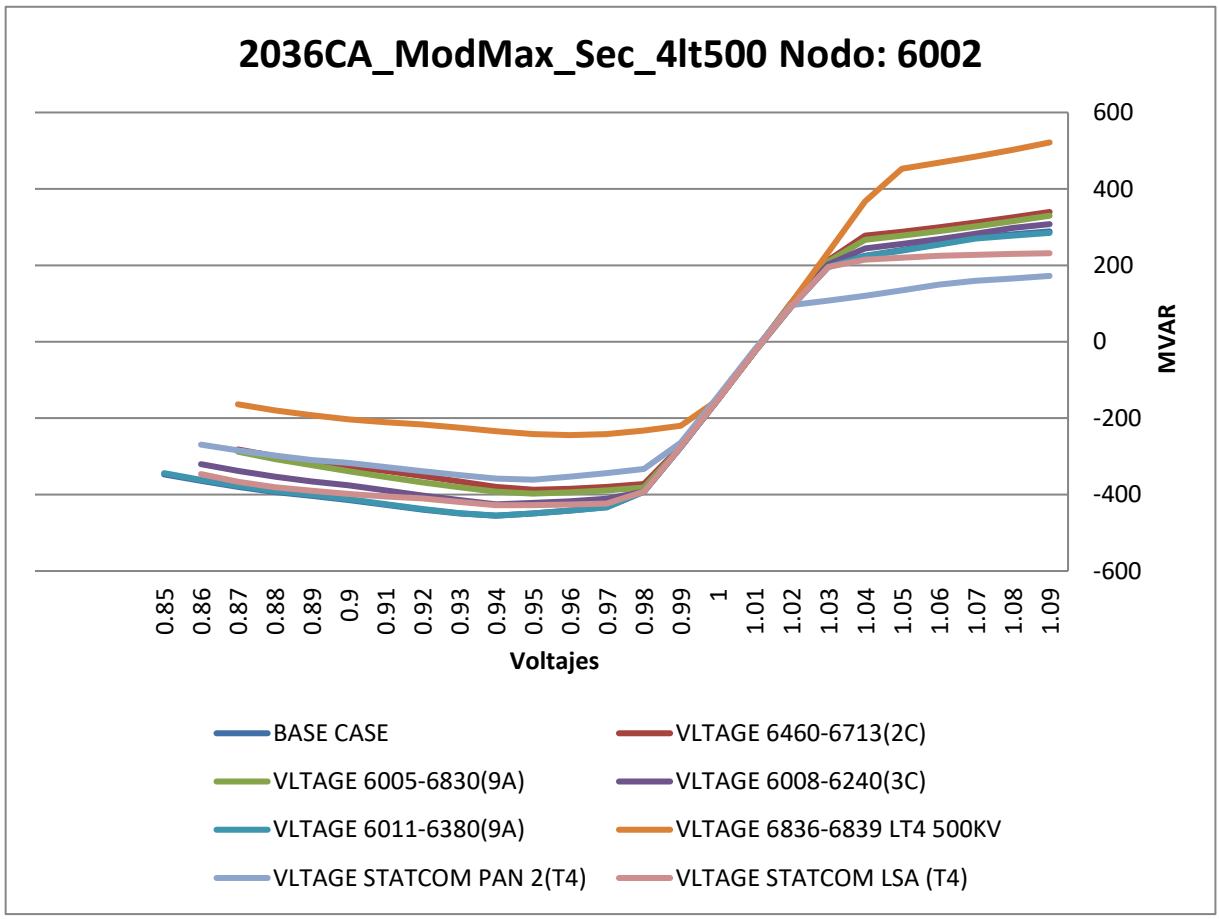
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6836-6839 LT4 500KV
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4	/LTAGE STATCOM LSA (T4)
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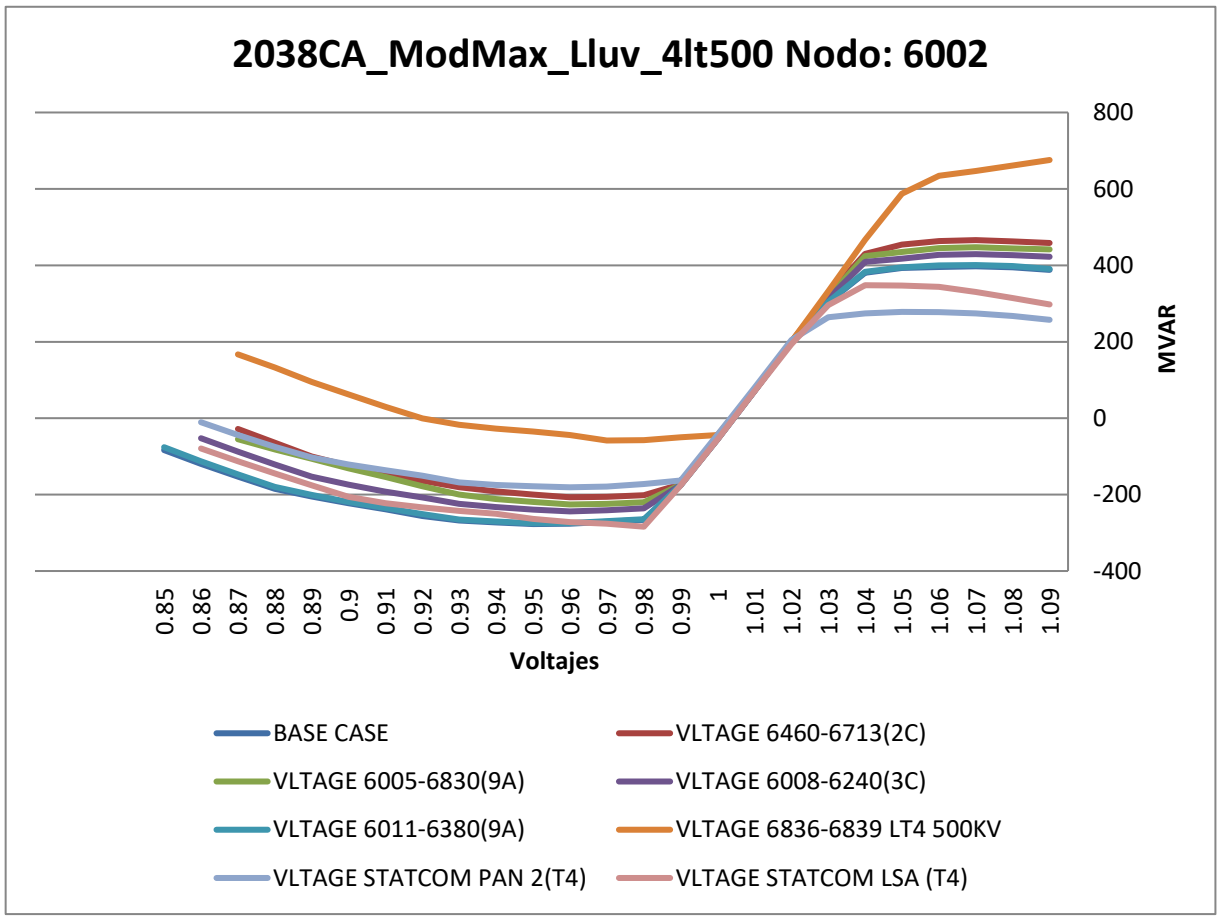
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6836-6839 LT4 500KV
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4	/LTAGE STATCOM LSA (T4)
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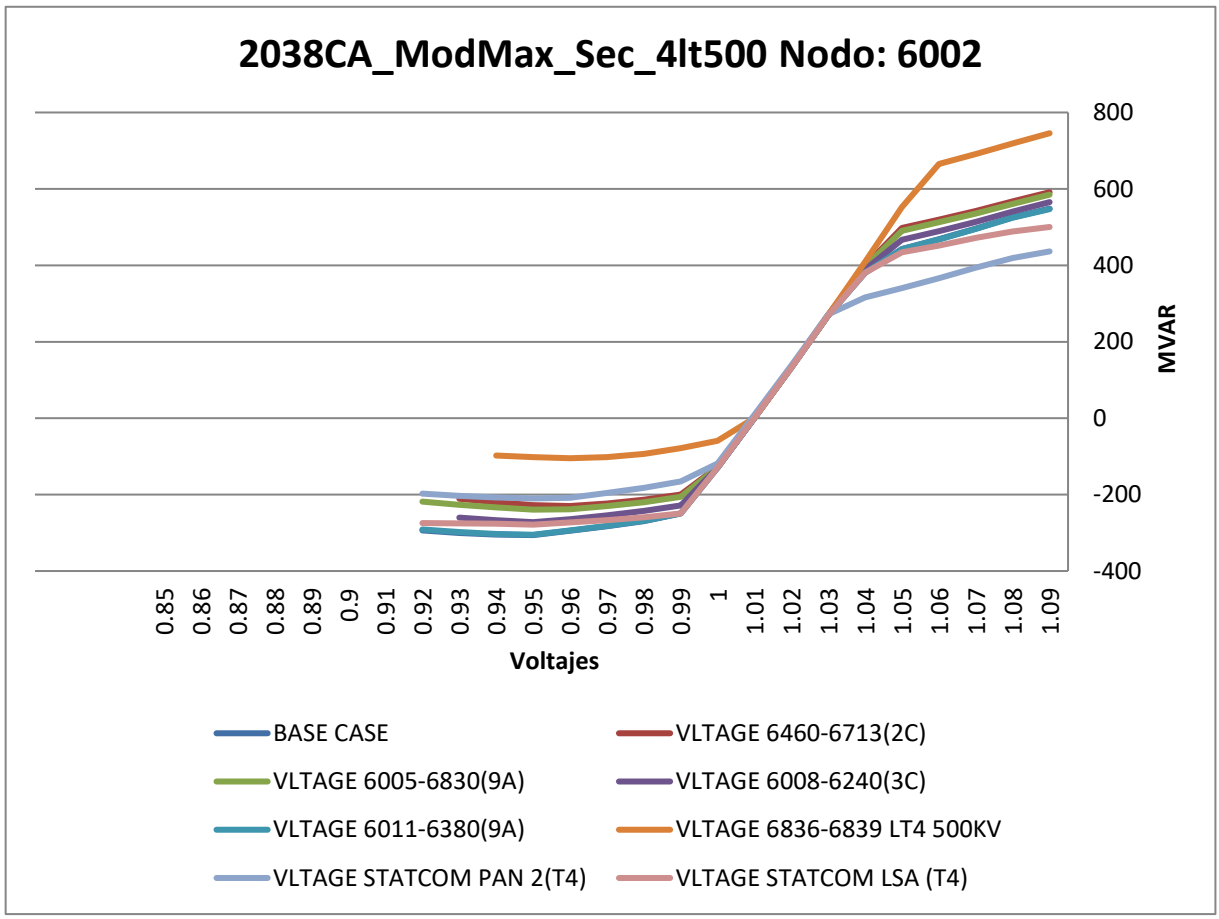
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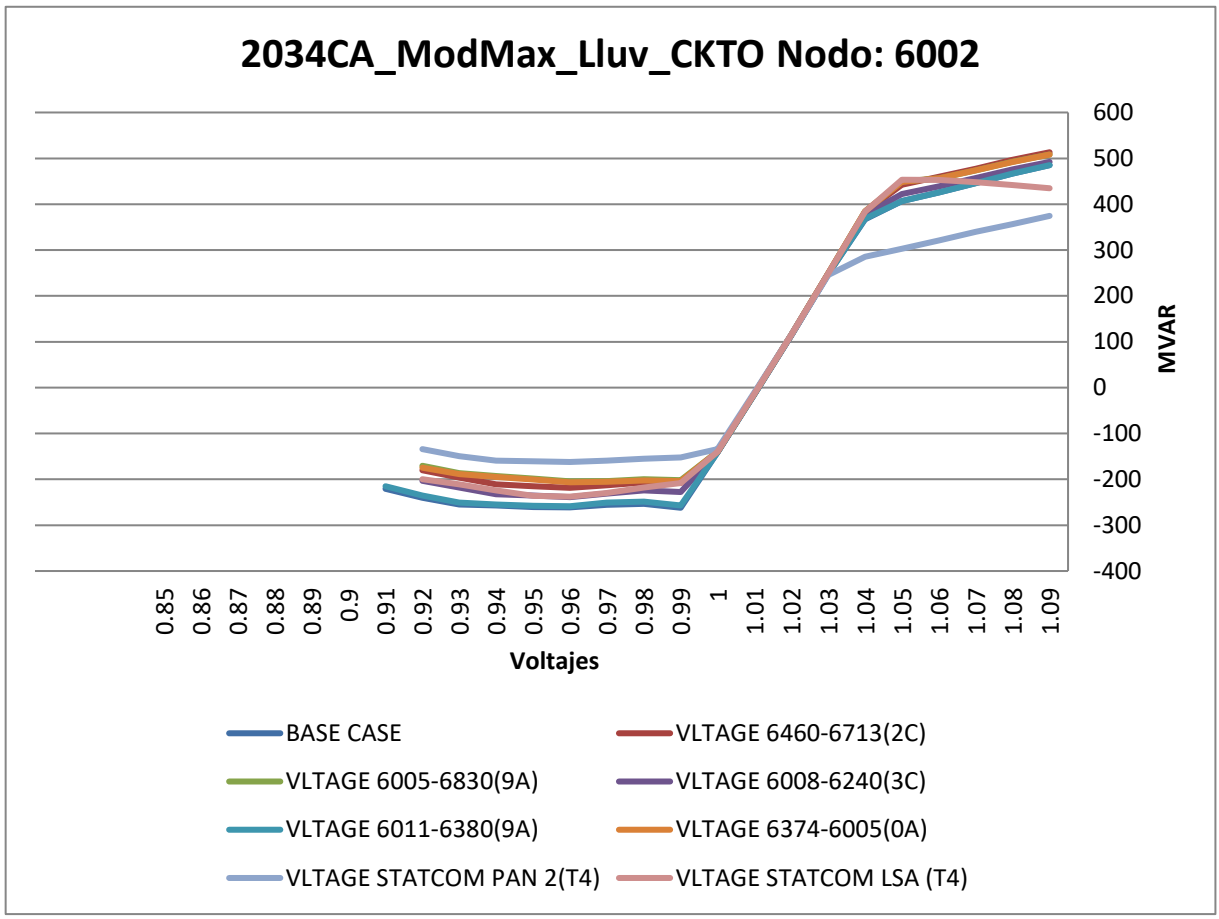
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6836-6839 LT4 500KV
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	.TAGE 6836-6839 LT4 500K	LTAGE STATCOM PAN 2(T4	/LTAGE STATCOM LSA (T4)
6002	-306.0110474	-229.9337921	-239.3661194	-272.105072	-305.0453796	-104.8095932	-210.1062317	-278.6744385

CIRCUITOS PARALELOS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Voltajes
BASE CASE
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VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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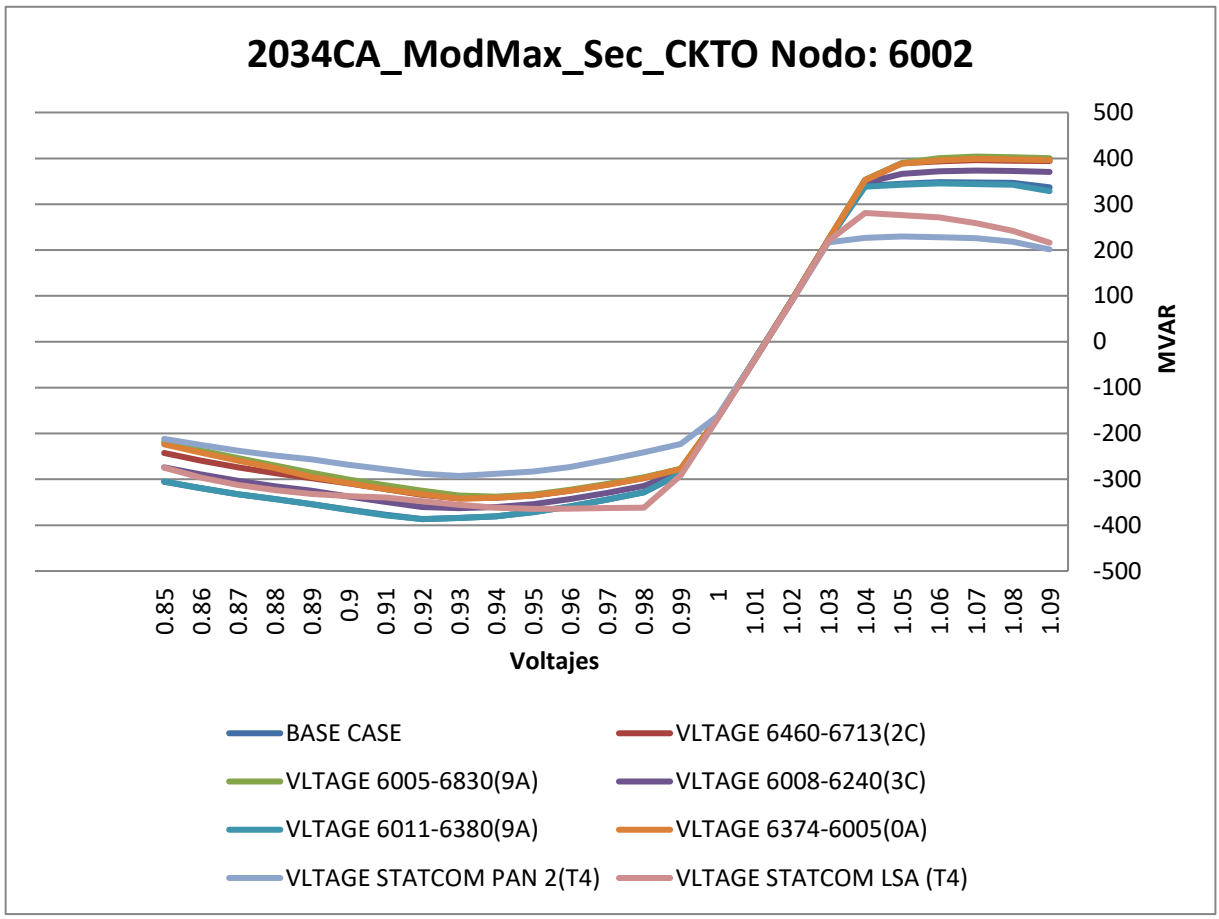
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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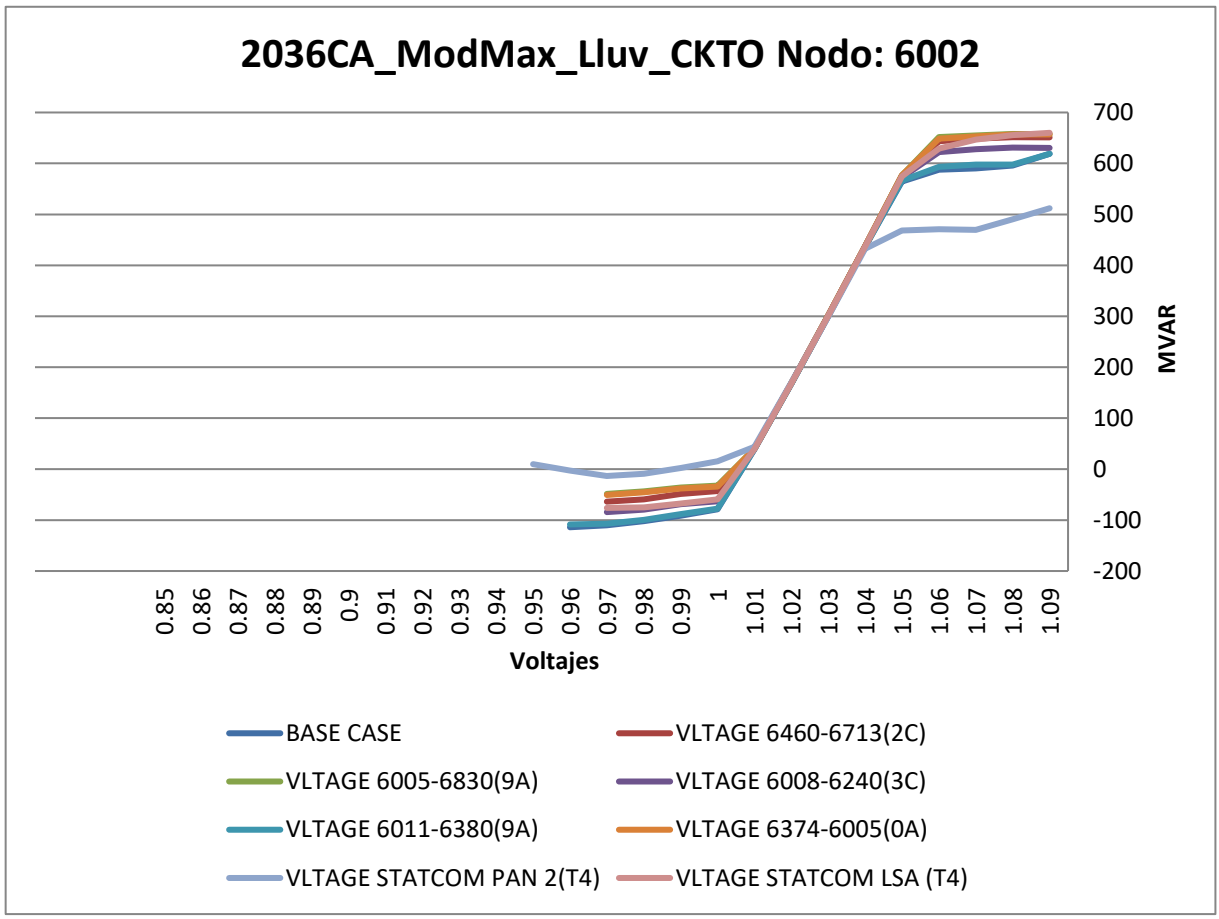
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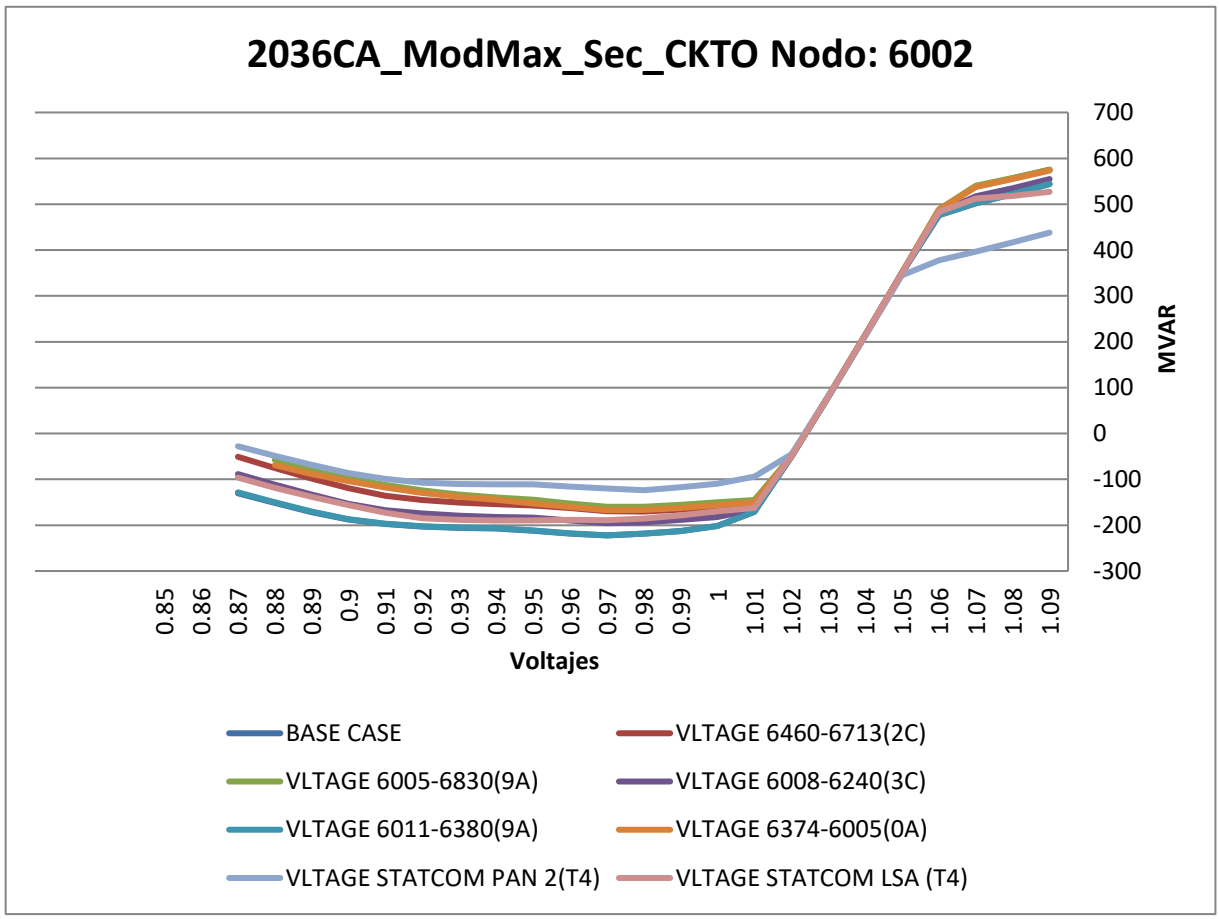
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-114.0800323	-63.82463074	-48.62498856	-84.36180115	-108.5806122	-50.73022079	-13.47850895	-76.11333466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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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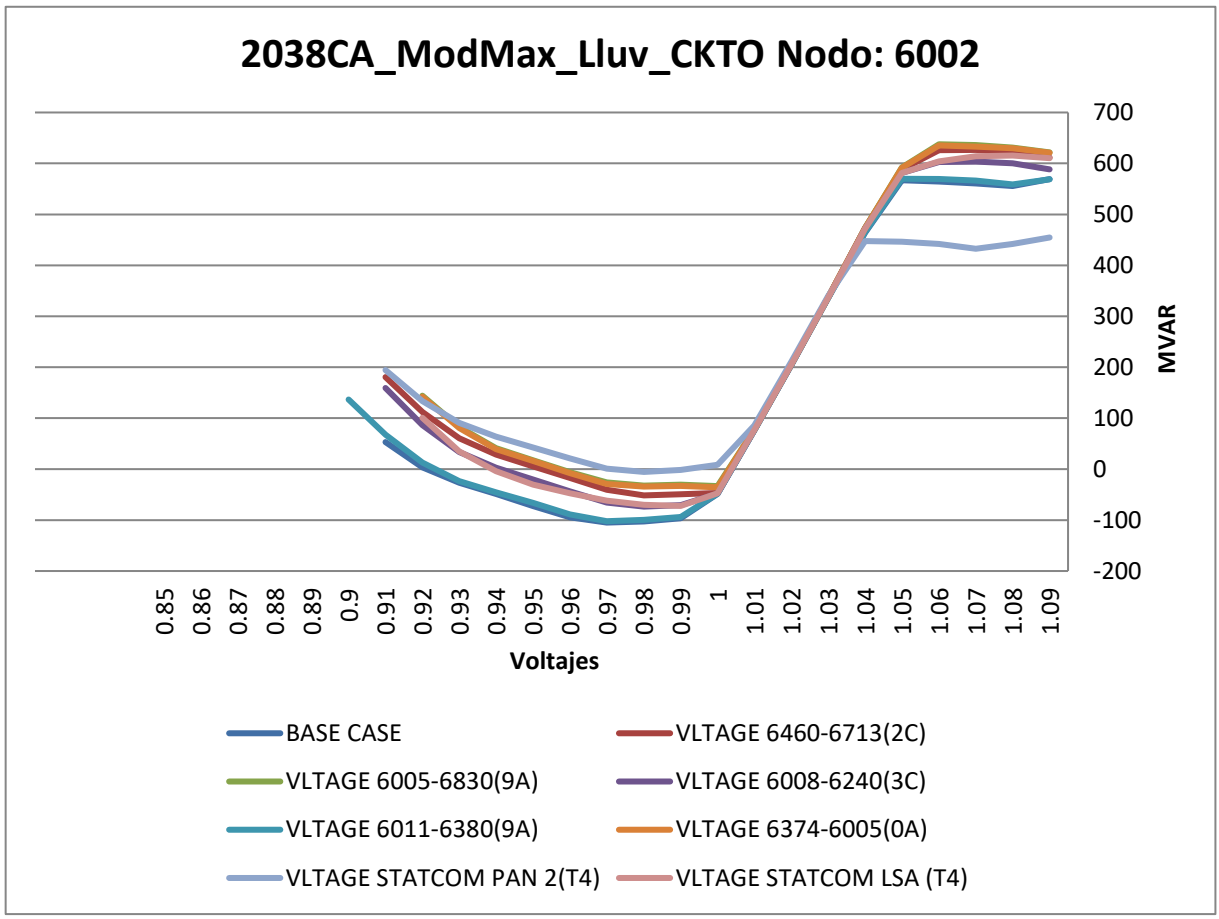
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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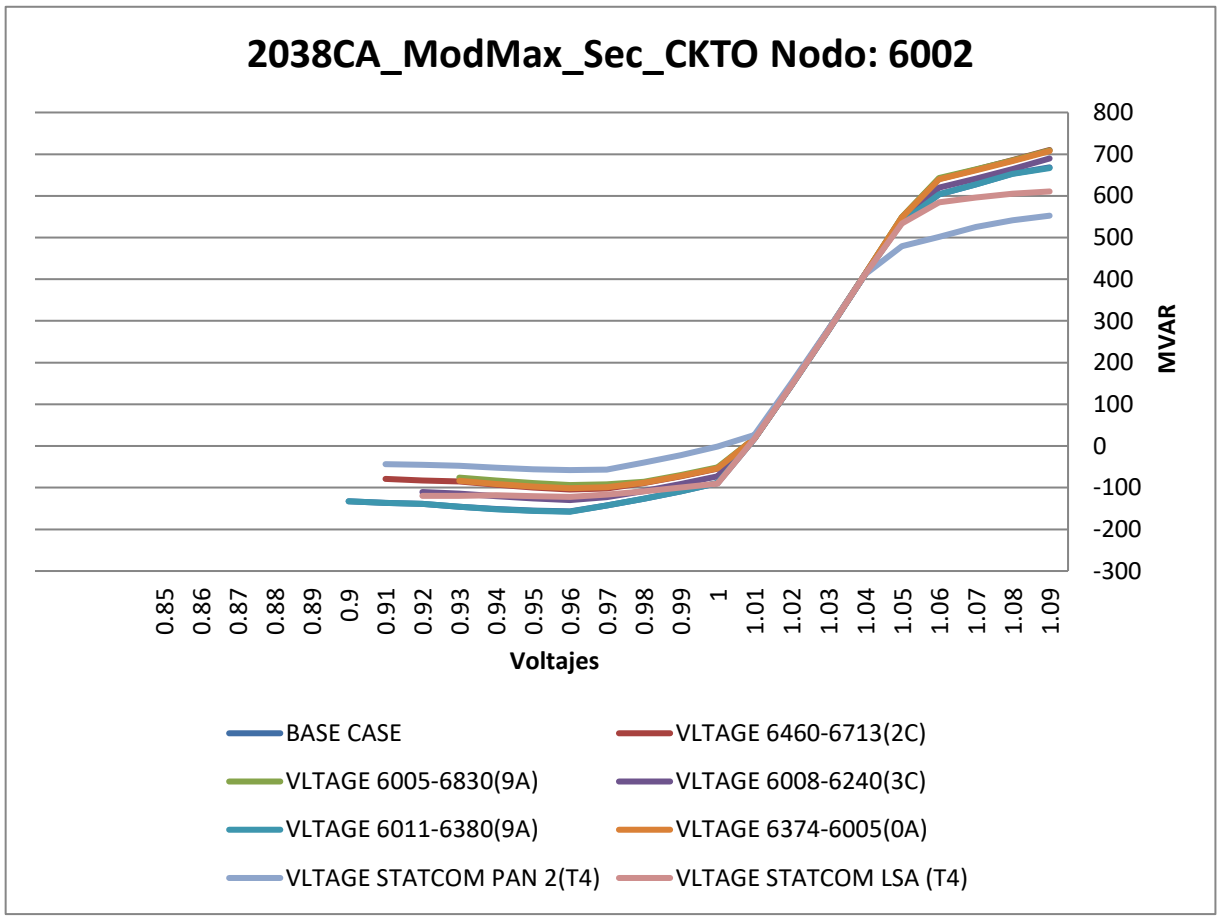
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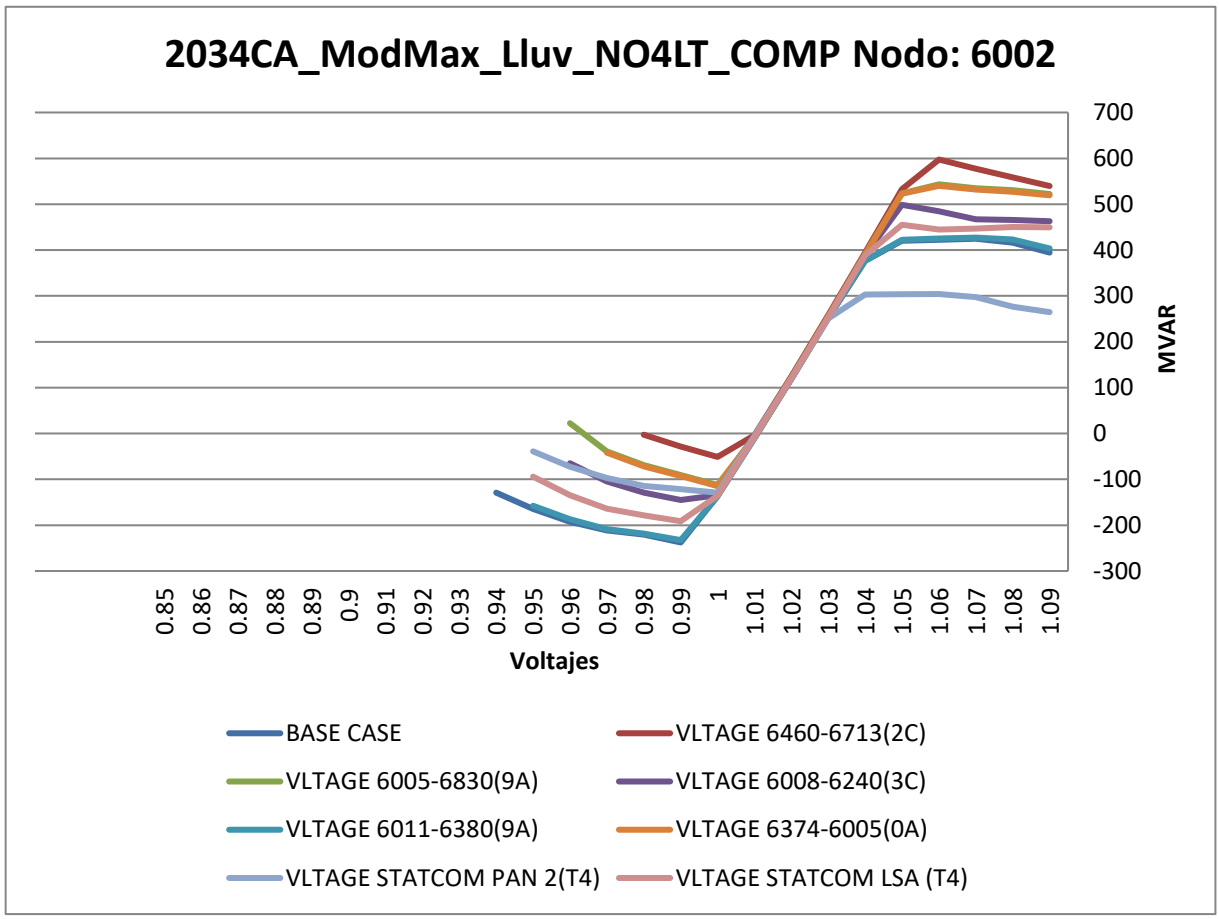
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-156.9228821	-104.5413132	-93.76489258	-129.7788391	-157.8233032	-101.3028488	-57.86674118	-122.2018738

SIN CUARTA LÍNEA CON COMPENSACIÓN REACTIVA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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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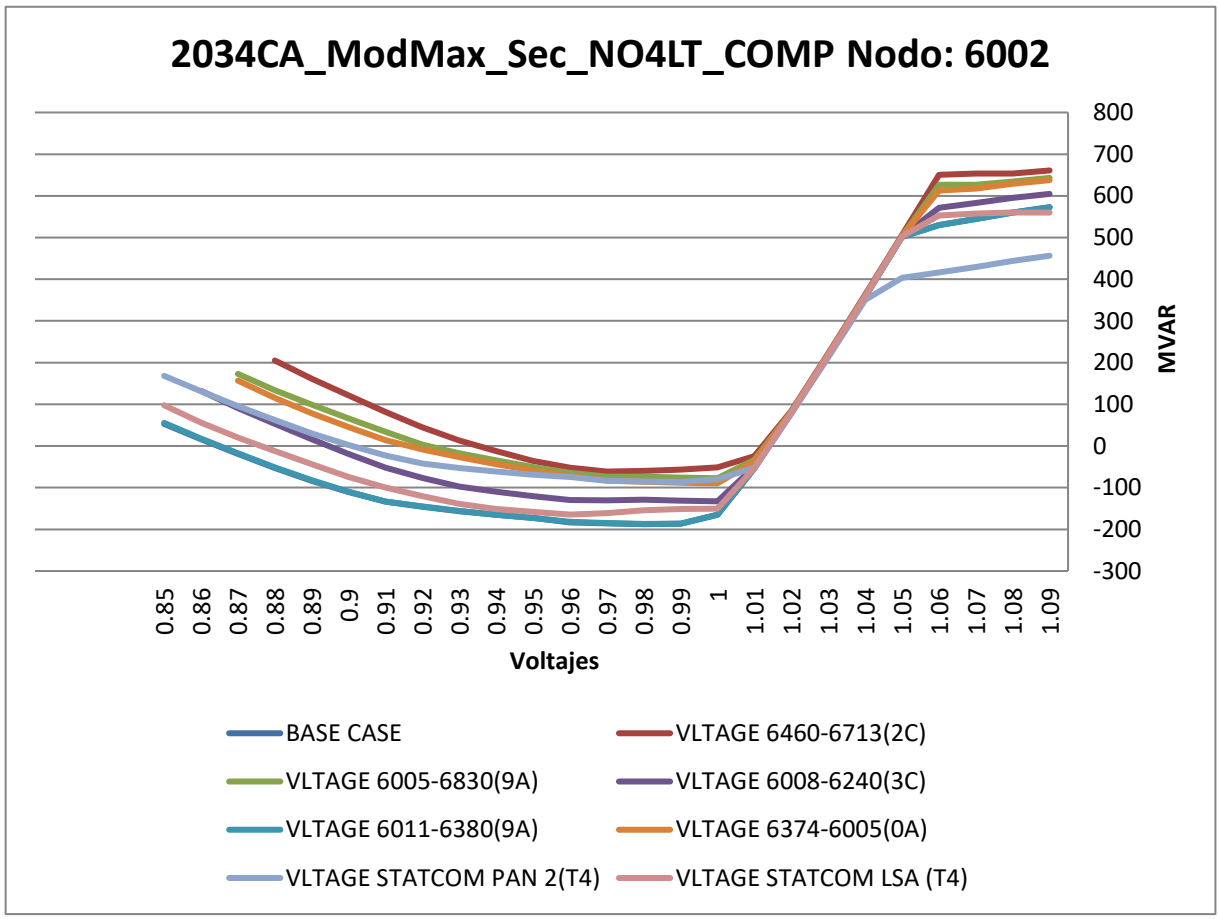
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
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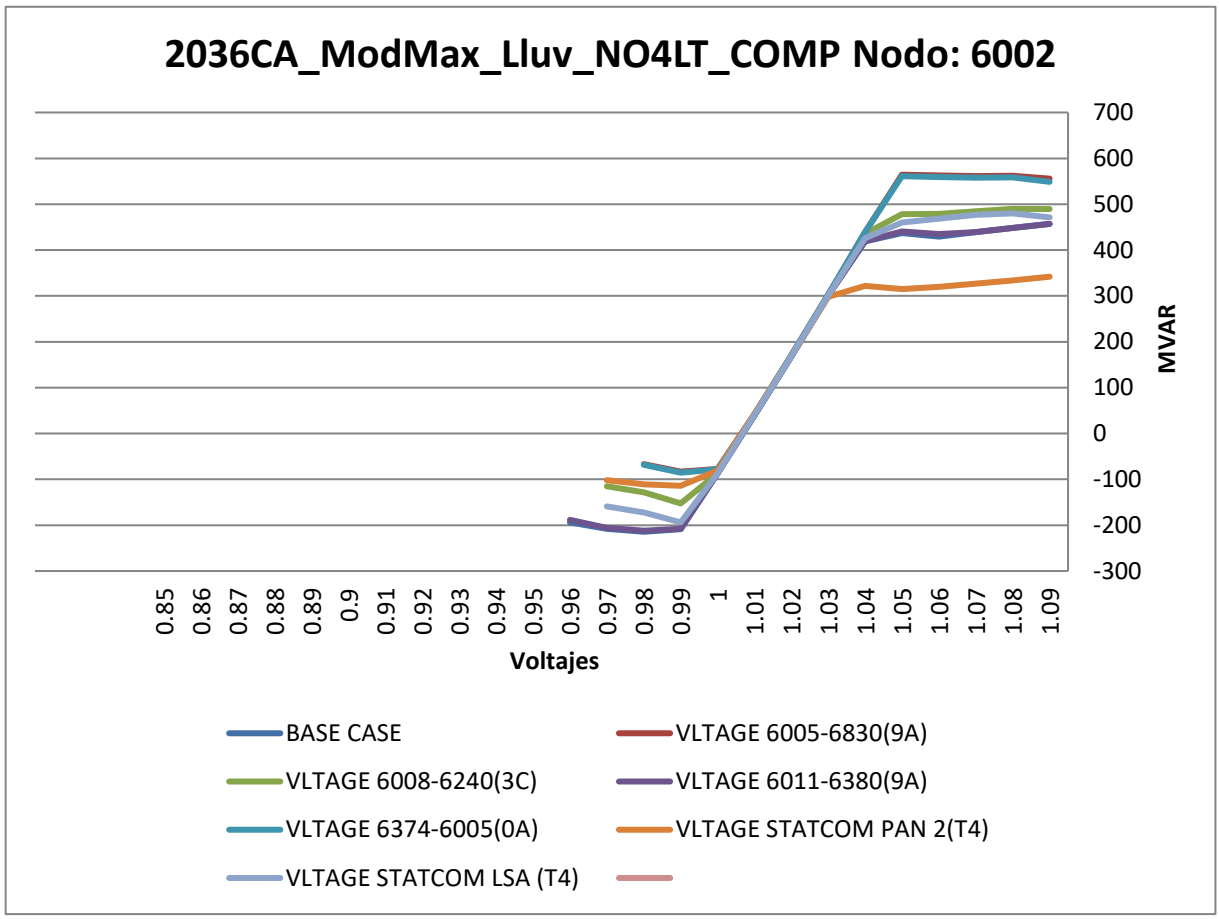
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
6002	-187.6597748	-61.39233017	-77.41977692	-132.7924347	-187.0006714	-89.69701385	-86.29013062	-164.5984039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BASE CASE
VLTAGE 6005-6830(9A)
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VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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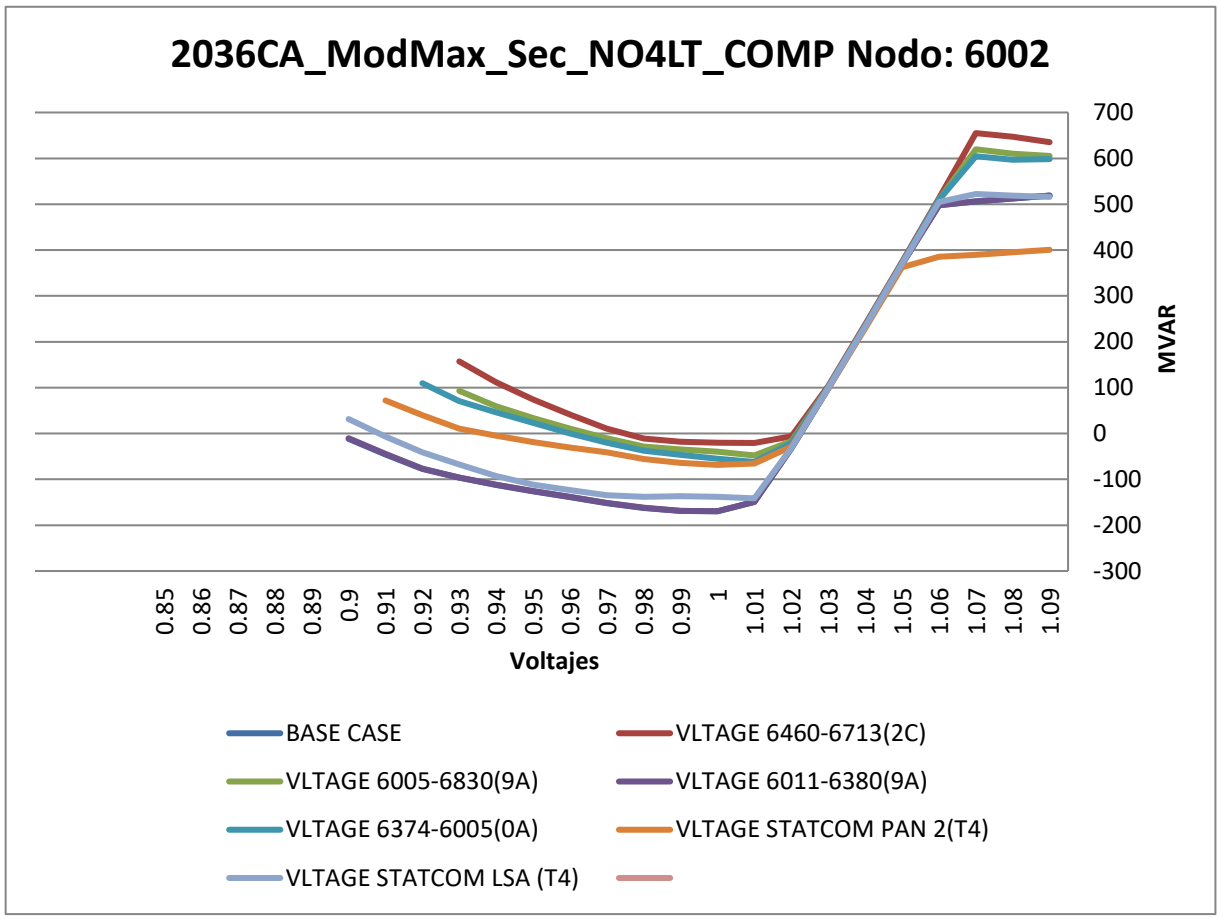
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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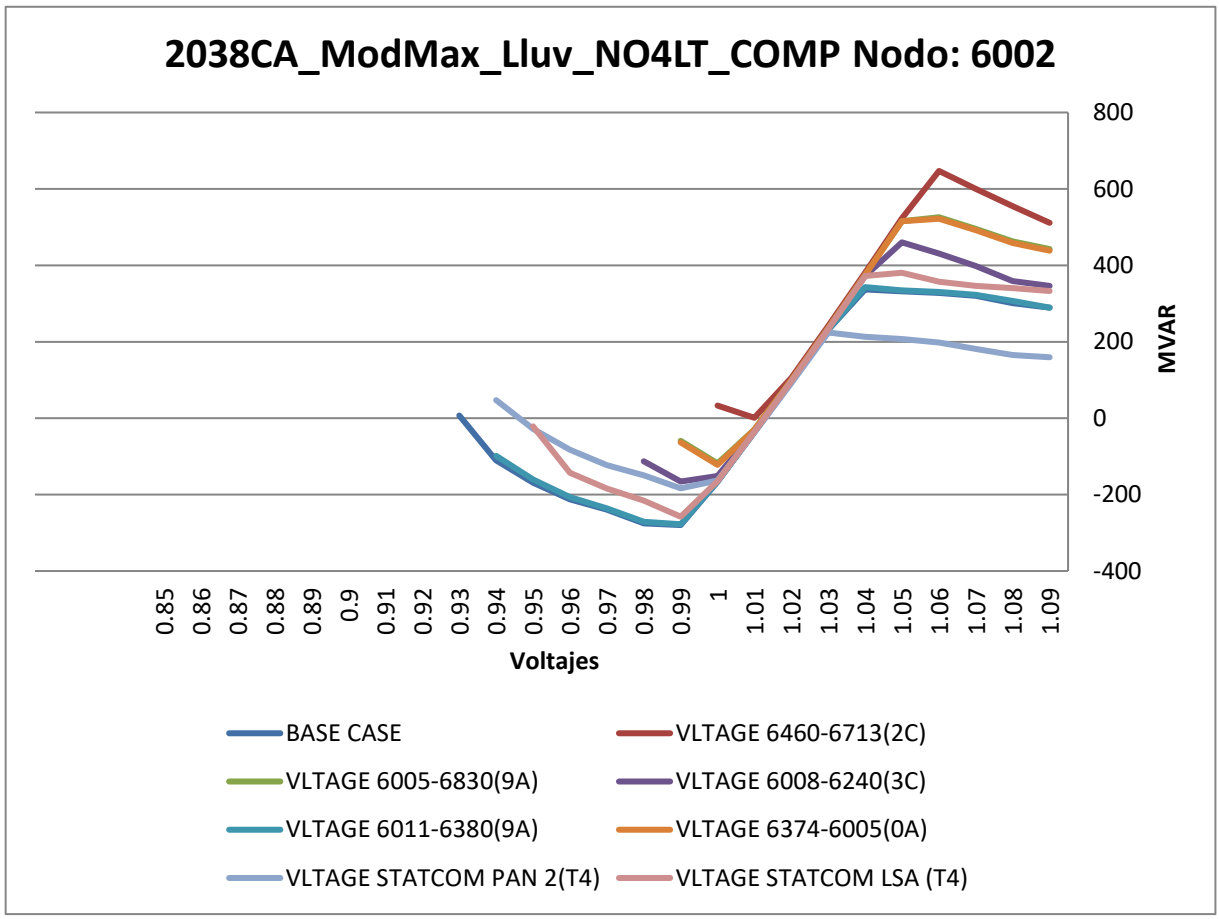
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Voltajes
BASE CASE
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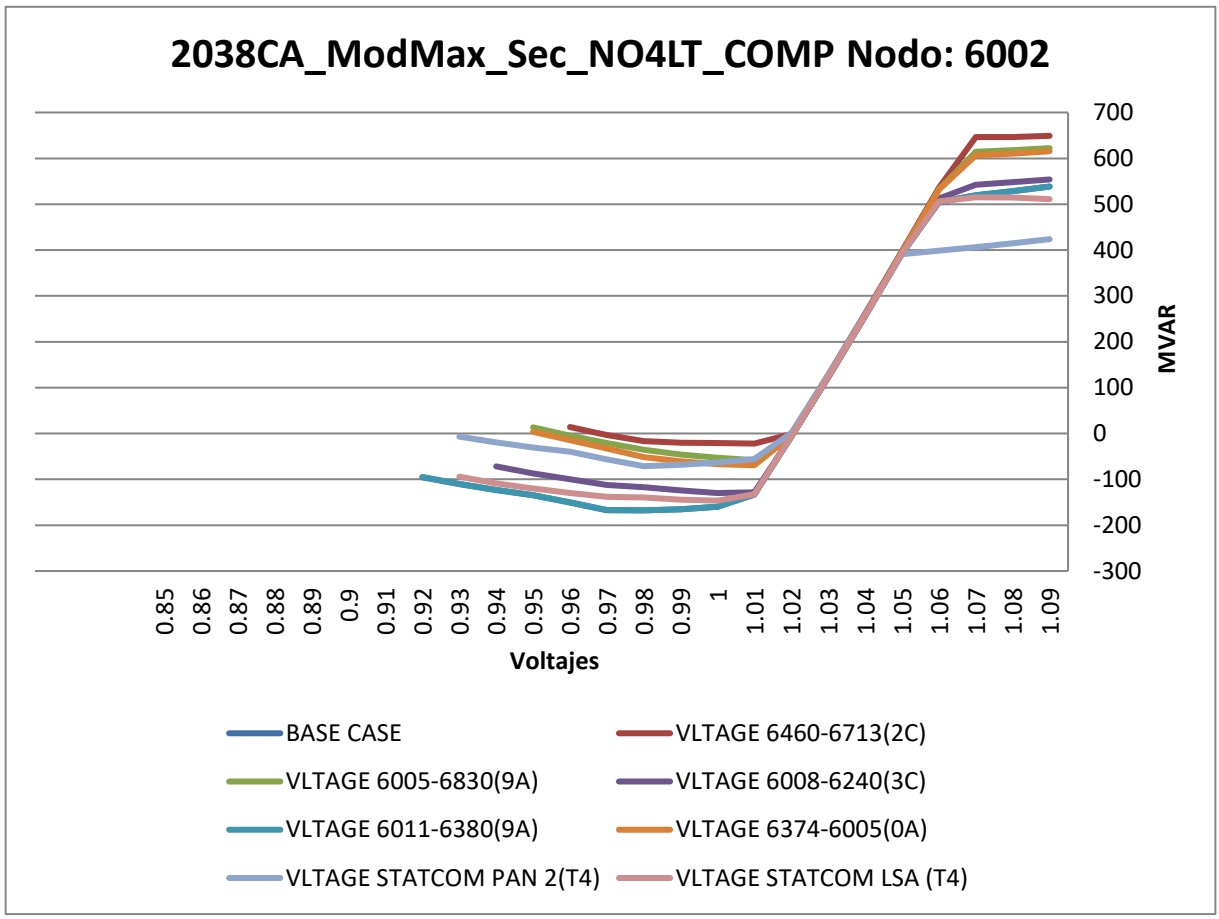
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-279.7055969	1.084667206	-118.2527542	-165.8117828	-277.5999146	-122.1933594	-183.6148682	-257.8529053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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
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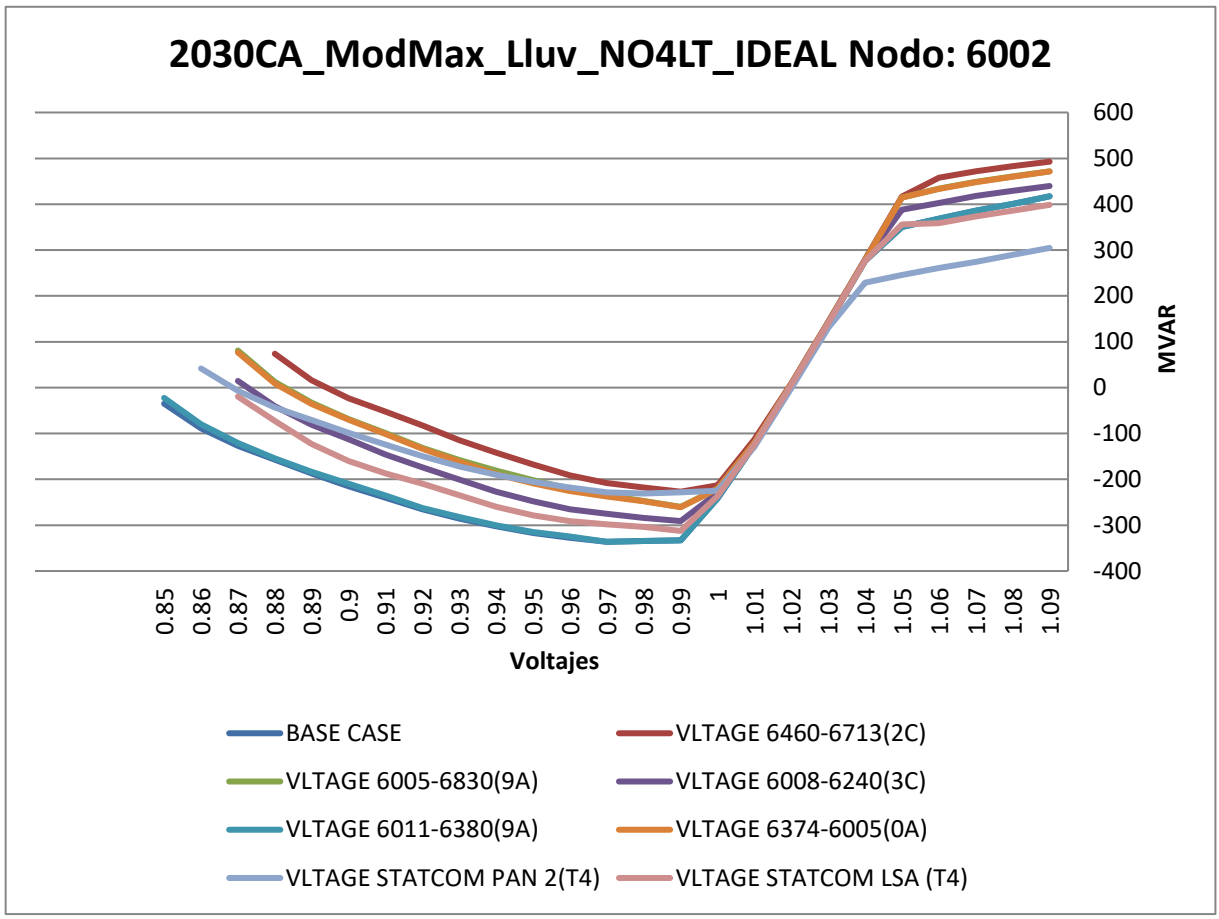
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-167.7005157	-22.06685829	-58.2519722	-129.9562378	-167.7005157	-69.27600861	-71.31651306	-146.5614166

SIN CUARTA LÍNEA CON DESPACHO IDEAL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BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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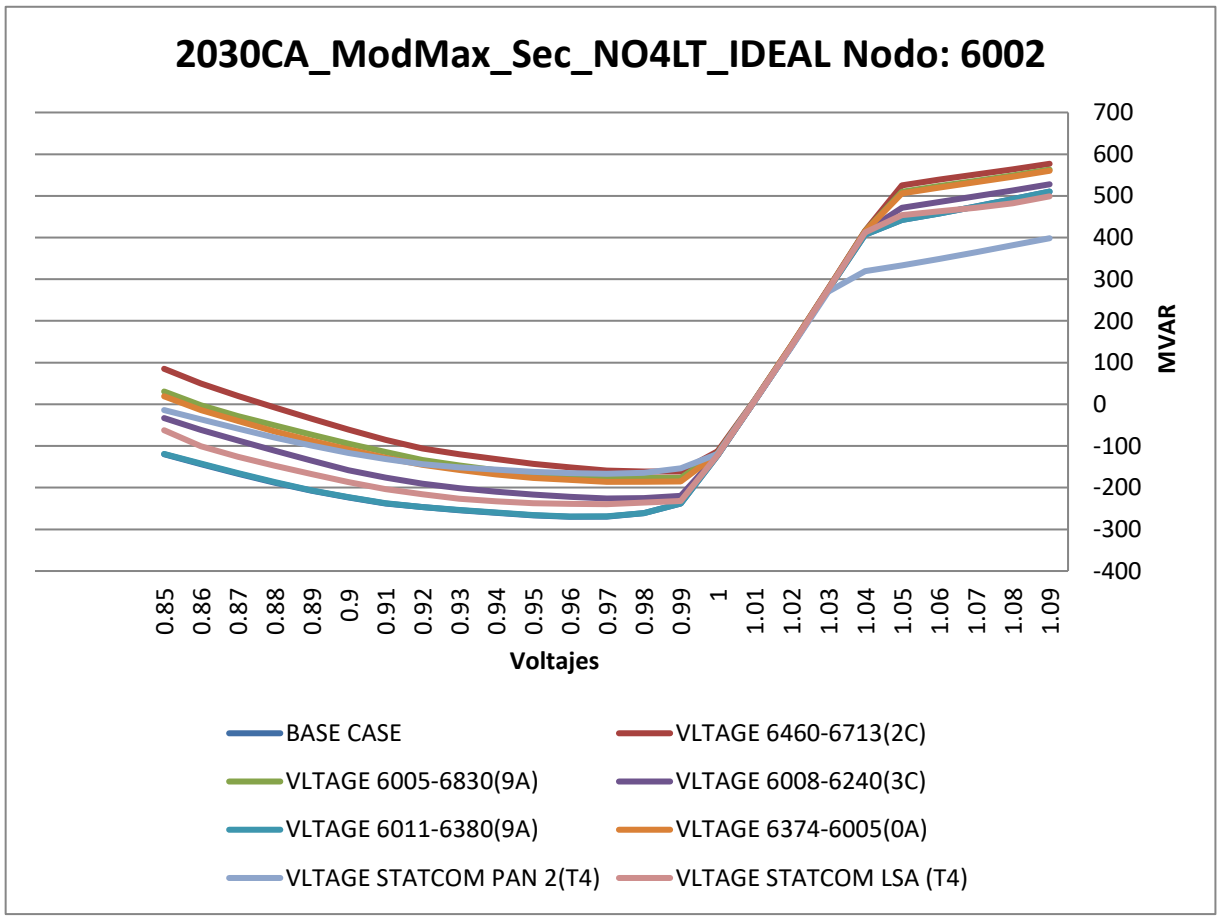
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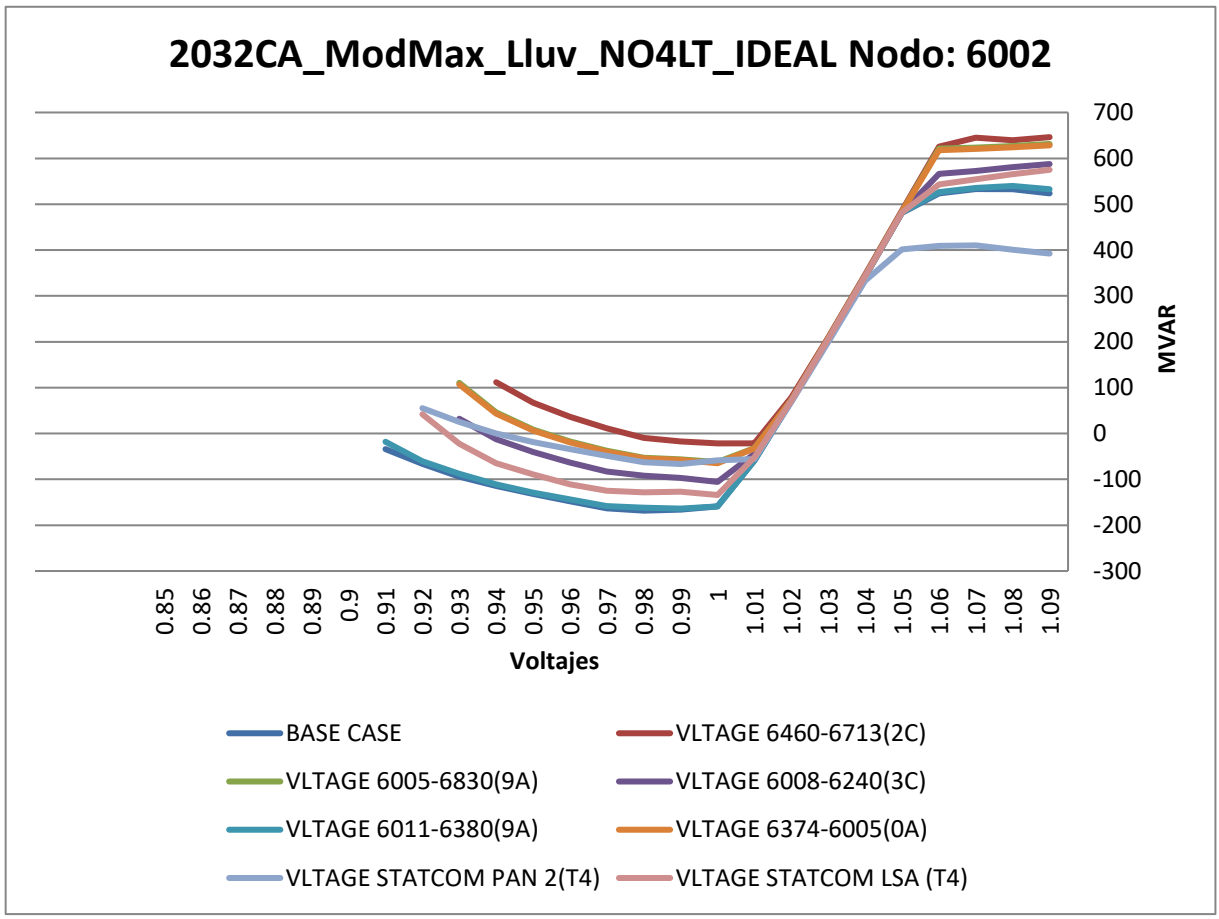
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-269.8346558	-161.3321228	-176.7247925	-226.032074	-269.2610168	-186.1056519	-166.6950989	-239.6401367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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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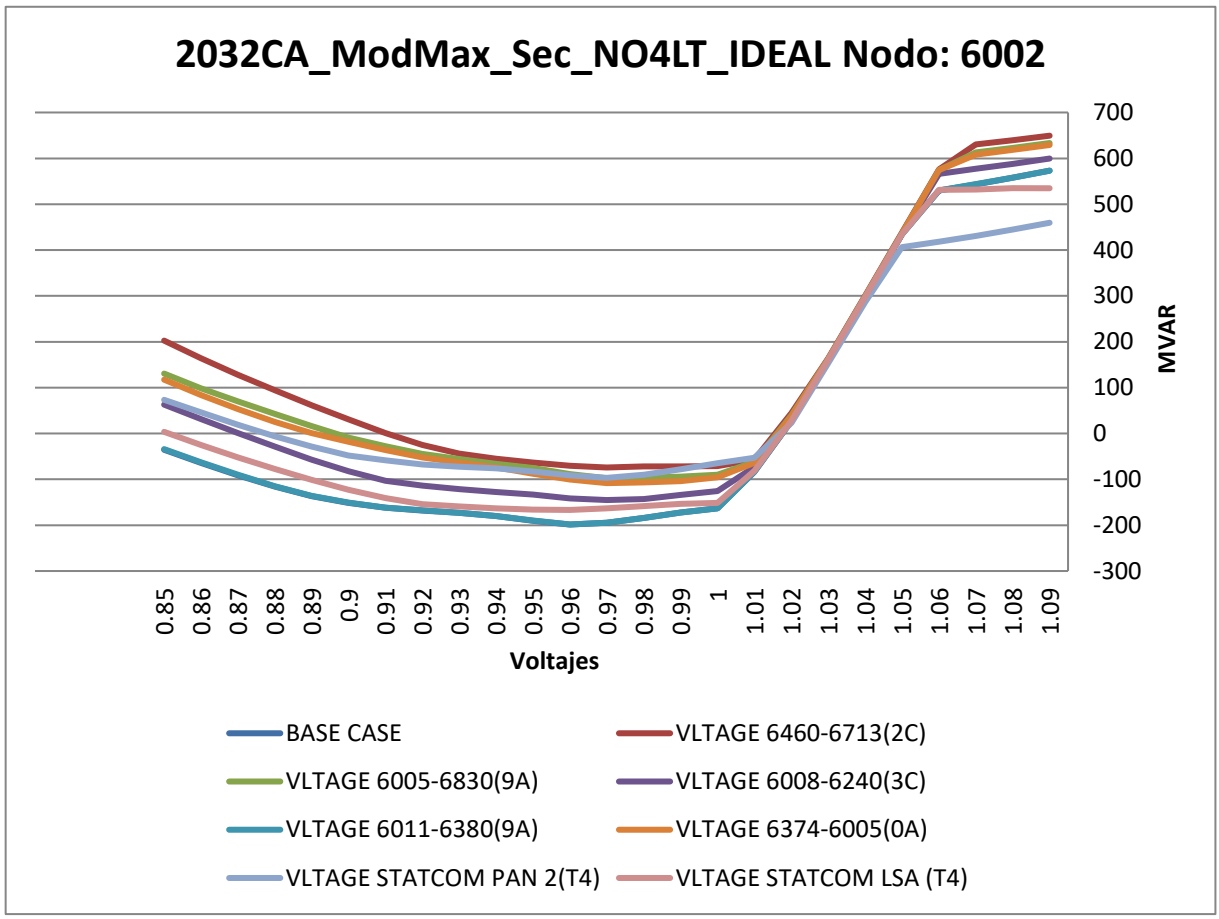
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
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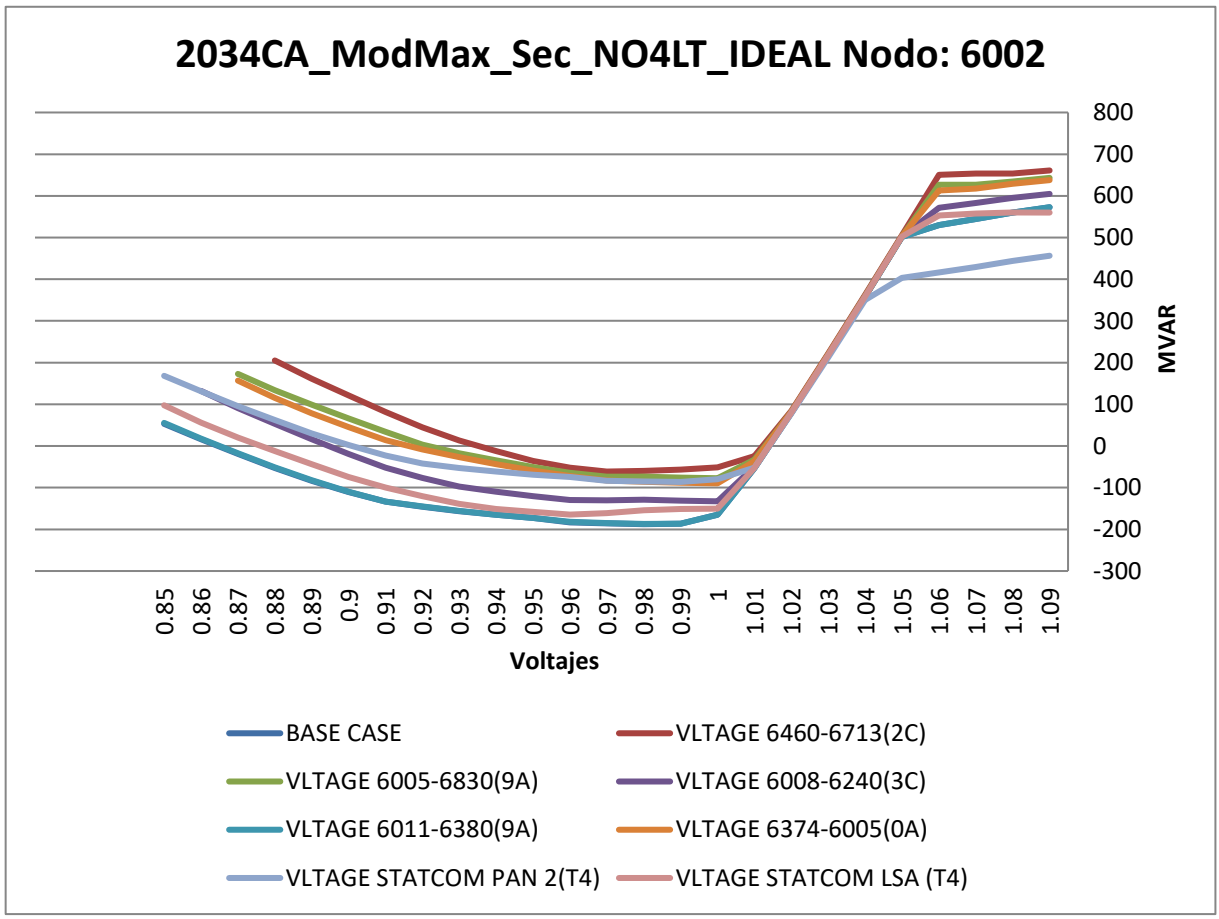
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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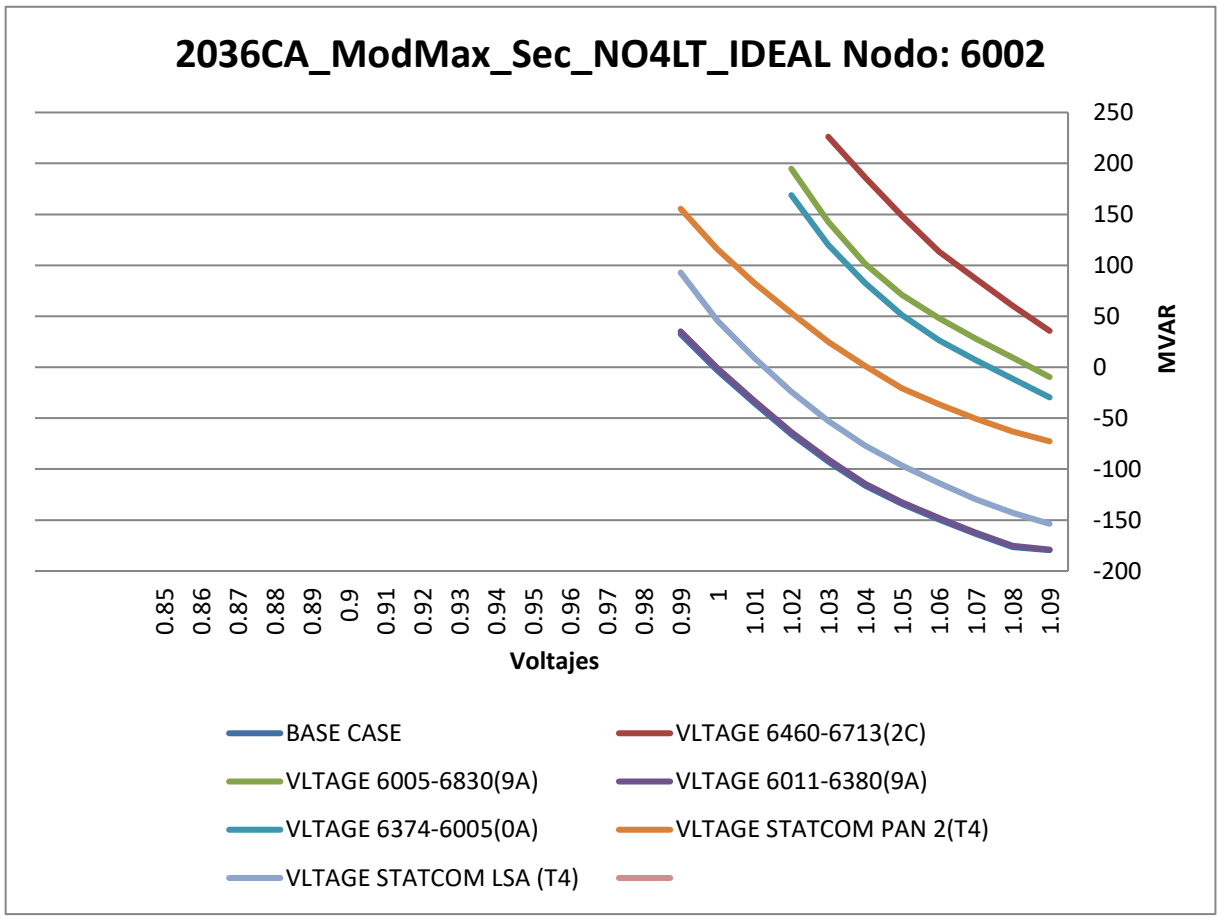
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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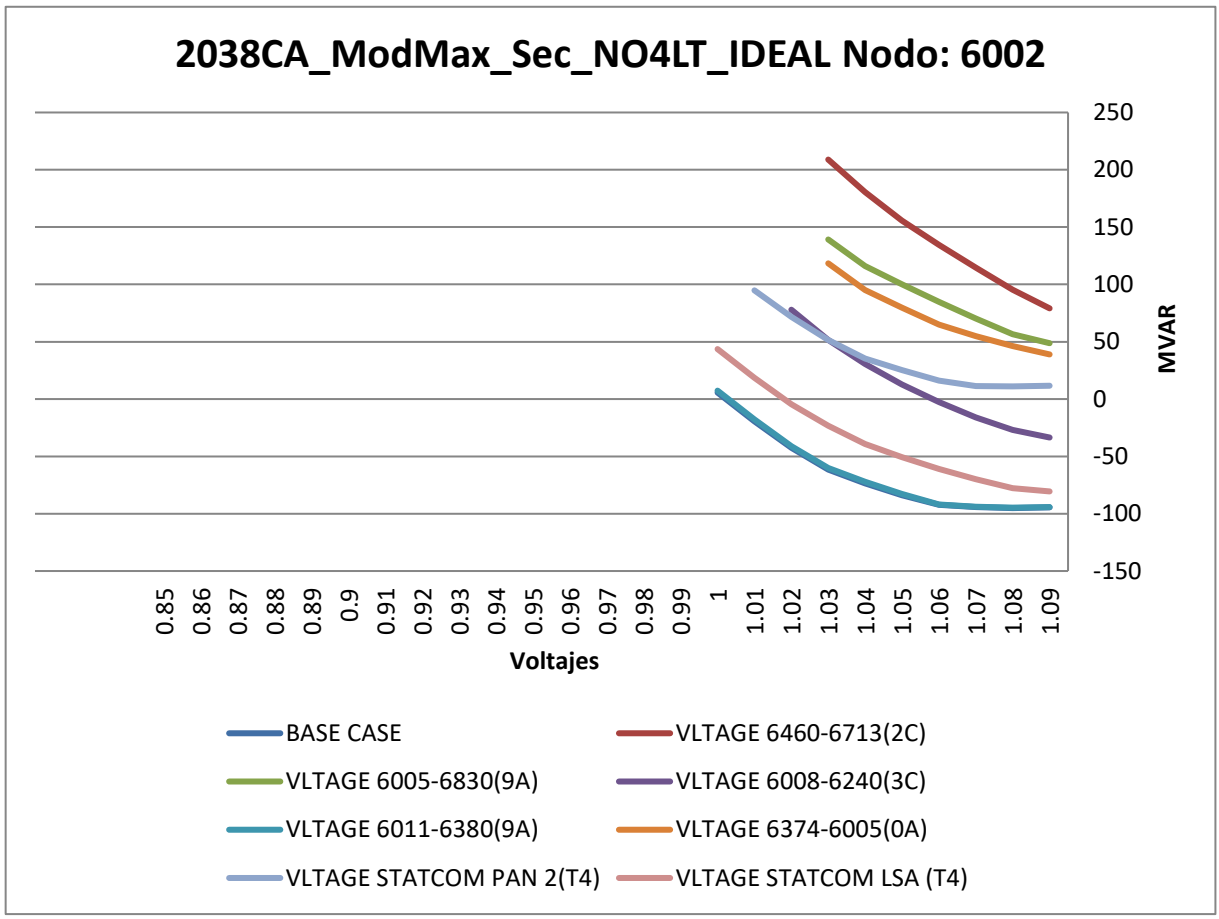
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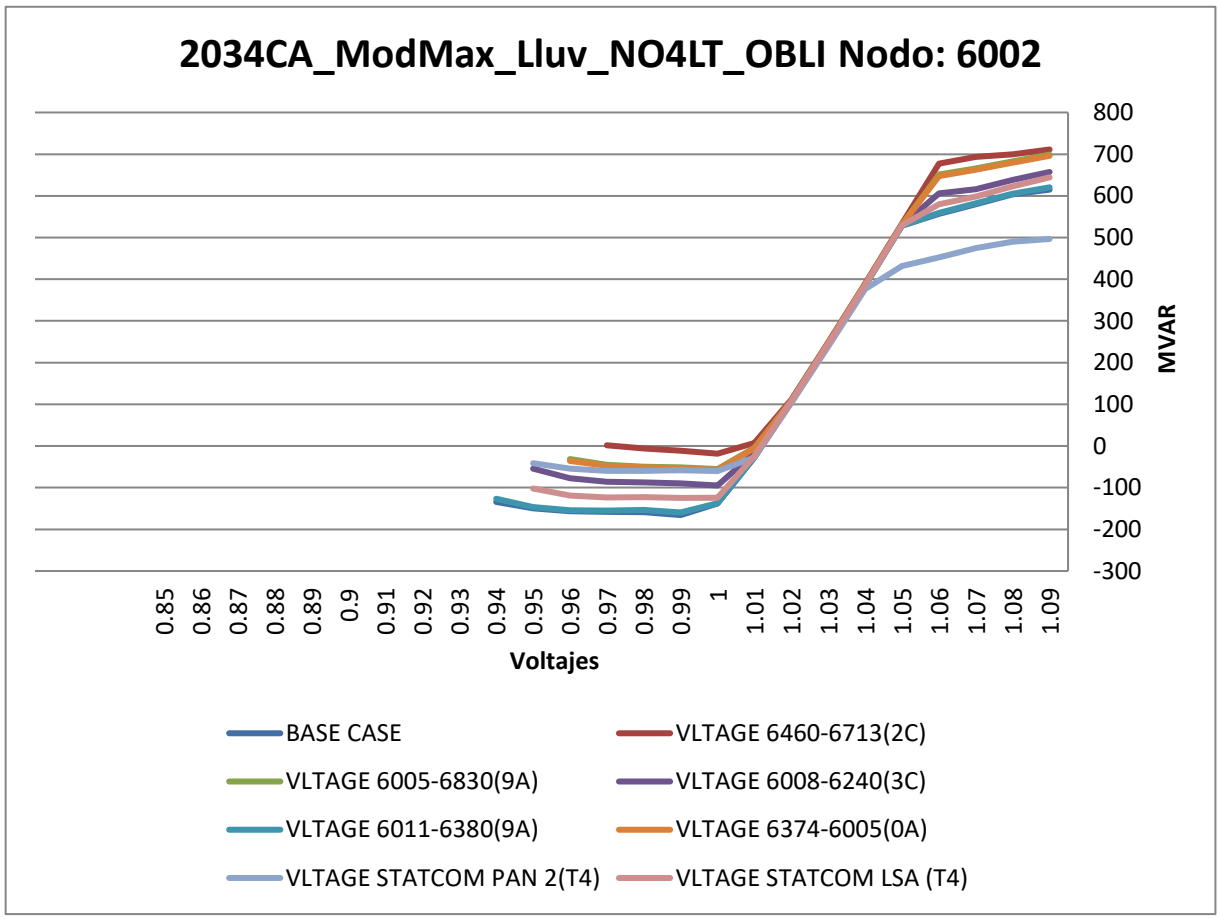
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-95.10089111	79.12220764	48.73405838	-33.5433197	-94.70279694	38.92973328	11.06213856	-80.57553101

SIN CUARTA LÍNEA CON DESPACHO OBLIGADO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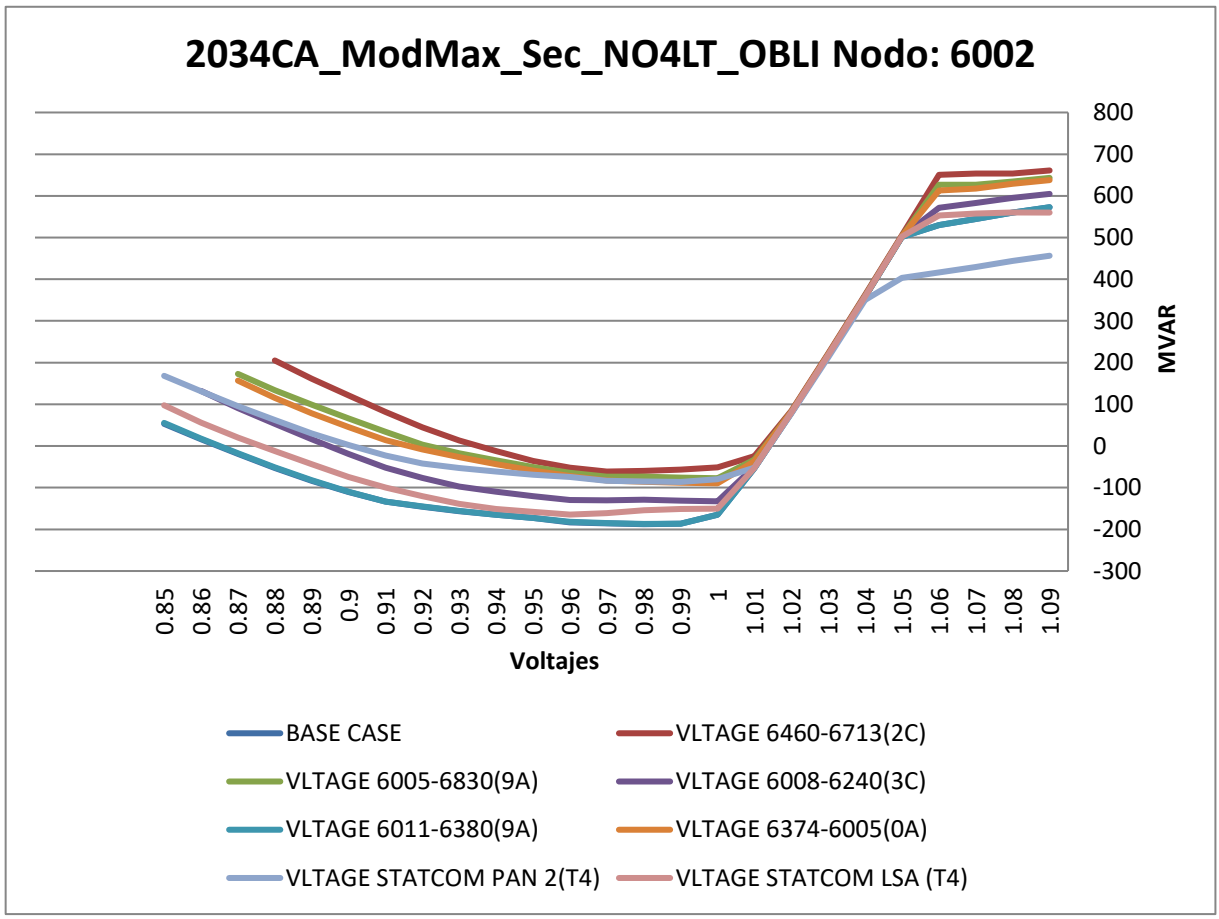
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
6002	-165.7970581	-18.54909134	-55.47159195	-94.94540405	-159.5037231	-57.27863312	-60.22052002	-124.5937119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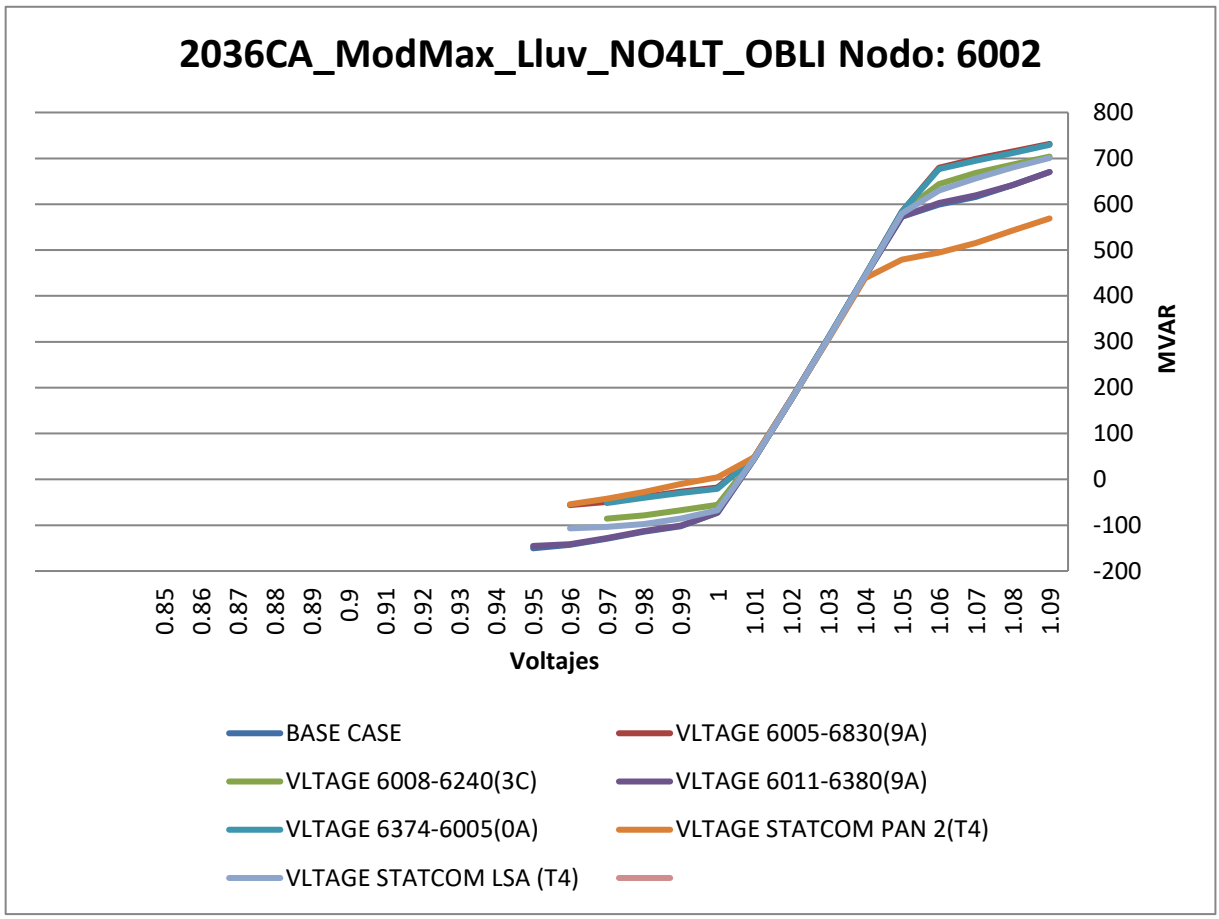
Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)
6002	-187.6597443	-61.39231491	-77.4197464	-132.7924194	-187.0005951	-89.69700623	-86.29010773	-164.5984039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Voltajes
BASE CASE
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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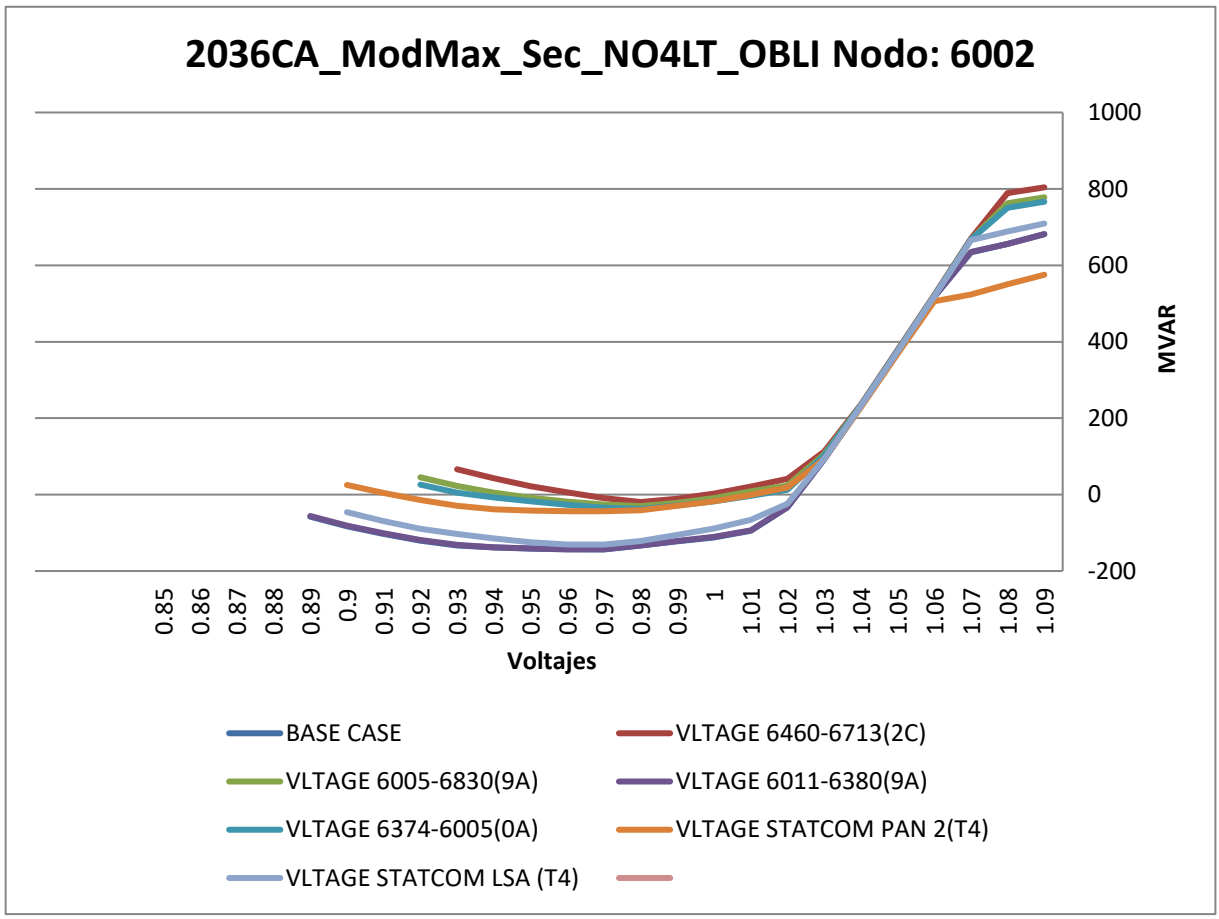
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BASE CASE
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VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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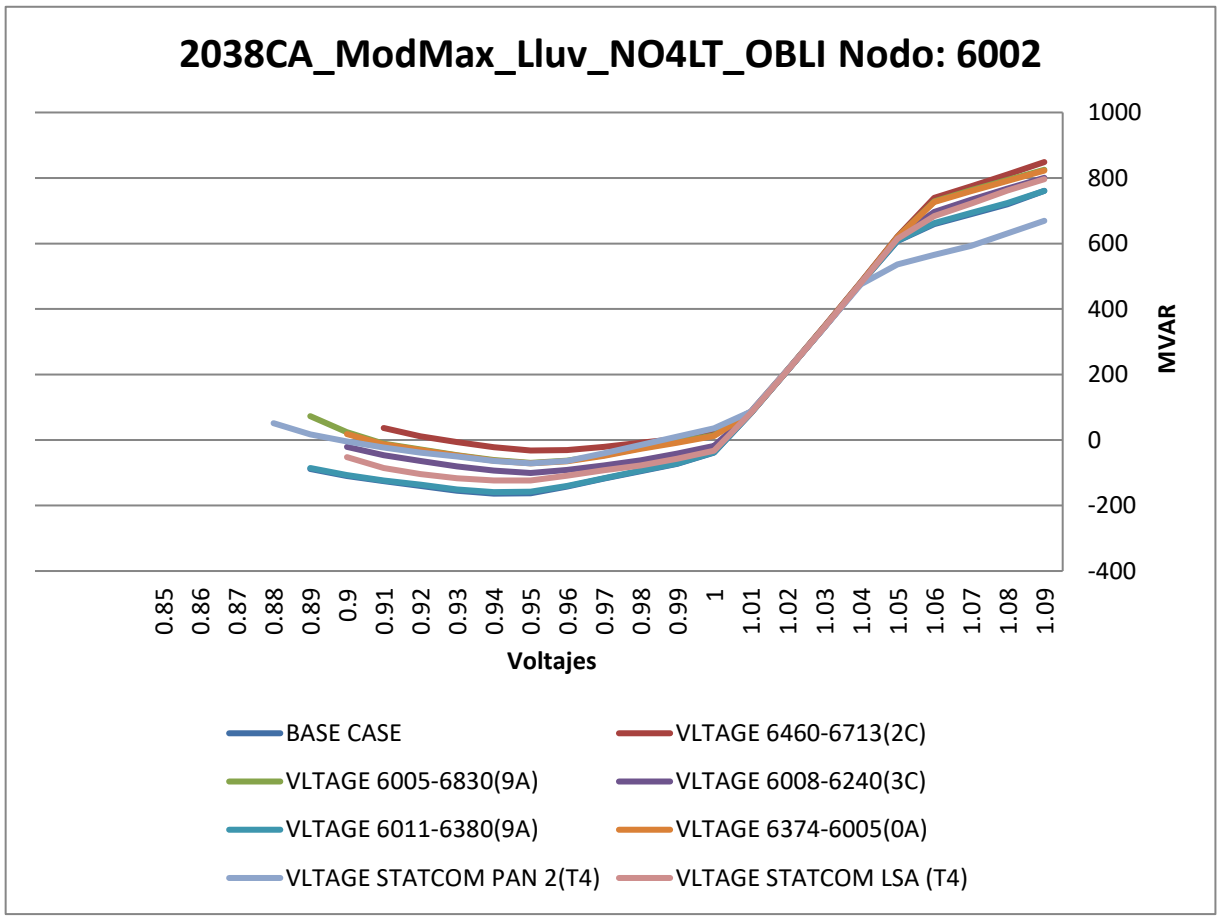
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BASE CASE
VLTAGE 6460-6713(2C)
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VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
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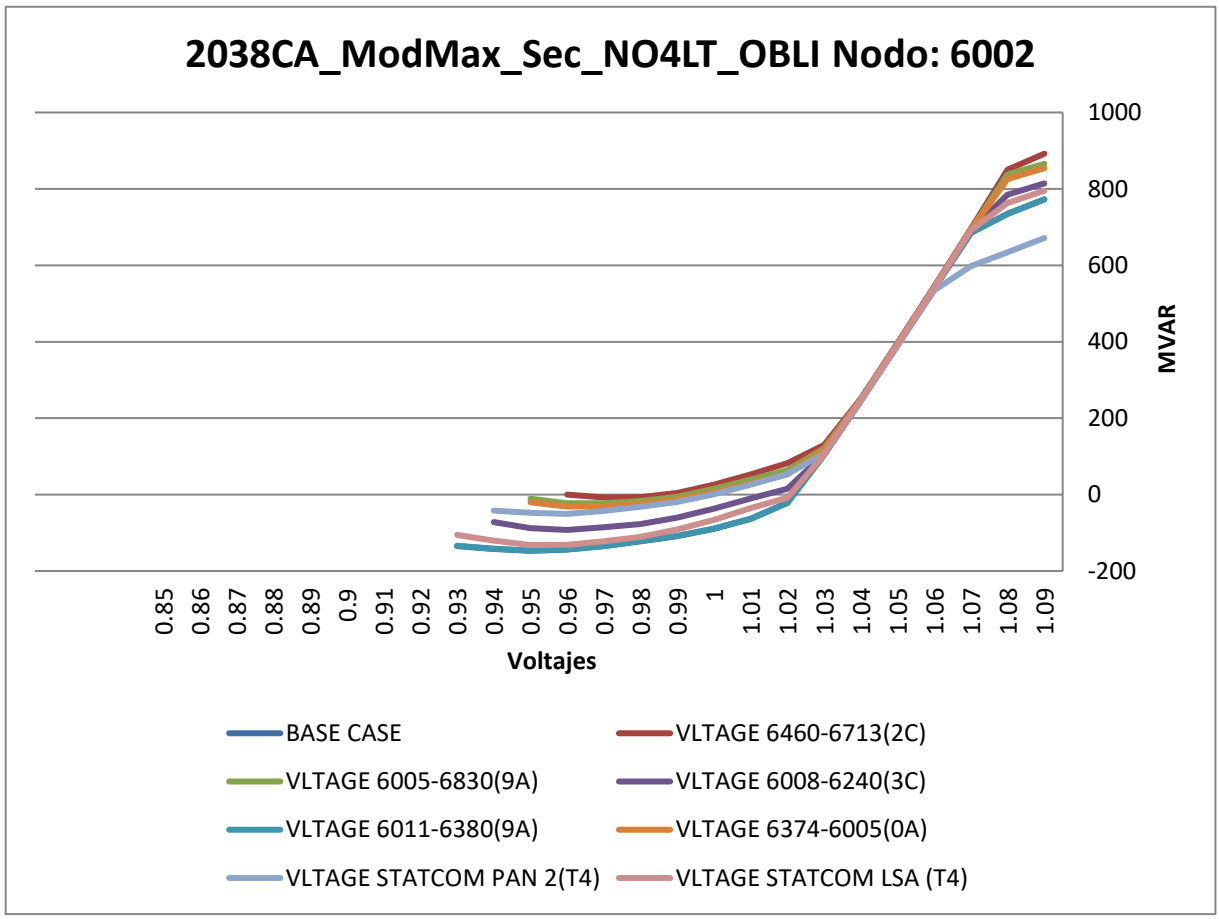
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Voltajes
BASE CASE
VLTAGE 6460-6713(2C)
VLTAGE 6005-6830(9A)
VLTAGE 6008-6240(3C)
VLTAGE 6011-6380(9A)
VLTAGE 6374-6005(0A)
VLTAGE STATCOM PAN 2(T4)
VLTAGE STATCOM LSA (T4)

NODO	BASE CASE	VLTAGE 6460-6713(2C)	VLTAGE 6005-6830(9A)	VLTAGE 6008-6240(3C)	VLTAGE 6011-6380(9A)	VLTAGE 6374-6005(0A)	LTAGE STATCOM PAN 2(T4/LTAGE STATCOM LSA (T4)	
6002	-147.0892334	-7.568965912	-22.7356739	-92.51953125	-146.6653748	-31.38421249	-50.57107925	-132.1831818