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1 Parâmetros de Simulação

1.1 CpMdPd

Tabela 1: CpMdPd

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	0.5
volumeMinPenalty	2
volumeWeight	0.3
energyMinPerc	0.1
energyMinPenalty	2
energyWeight	0.7
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

Tabela 2: CpMdPi

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	0.5
volumeMinPenalty	2
volumeWeight	1
energyMinPerc	0.1
energyMinPenalty	2
energyWeight	1
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

Tabela 3: CpMiPd

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	0.3
volumeMinPenalty	2
volumeWeight	0.3
energyMinPerc	0.3
energyMinPenalty	2
energyWeight	0.7
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

Tabela 4: CpMiPi

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	0.3
volumeMinPenalty	2
volumeWeight	1
energyMinPerc	0.3
energyMinPenalty	2
energyWeight	1
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

Tabela 5: SpPd

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	999.9
volumeMinPenalty	1
volumeWeight	0.3
energyMinPerc	999.9
energyMinPenalty	1
energyWeight	0.7
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

Tabela 6: SpPi

Parâmetro	Valor
subsystemsFile	subsystems_Projeto.txt
stationsFile	Hidreletricas_Projeto_ProdFixed.txt
gplanFile	hidroSaida_10.txt
simMethod	R
maxSearchIterations	2500
maxMcIterations	256
initialMaxPercentage	0.275
decrementPercentage	0.75
minPercentage	0.1
minFitnessDecrement	0.0001
volumeMinPerc	999.9
volumeMinPenalty	1
volumeWeight	1
energyMinPerc	999.9
energyMinPenalty	1
energyWeight	1
calcTransmission	1
ompMaxThreads	system=32,params=32
useCriticalPeriods	0
qtyRndStations	0,50,25,10
searchedStationsIds	-
searchedSubsystemsIds	-

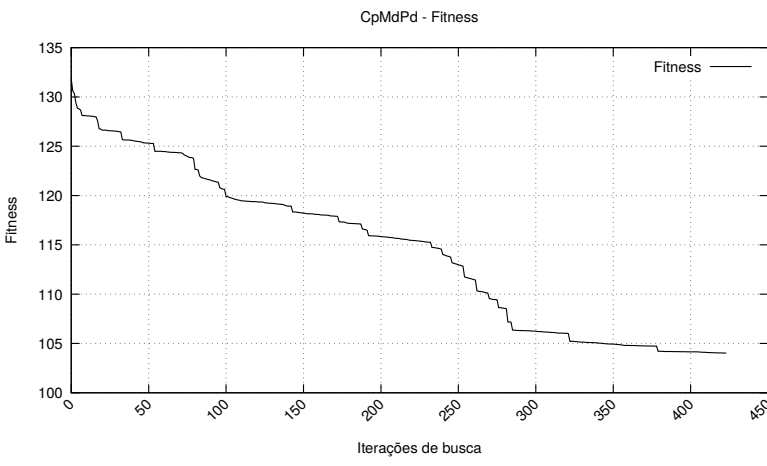
2 Status de Simulação

Tabela 7: GPlan Table

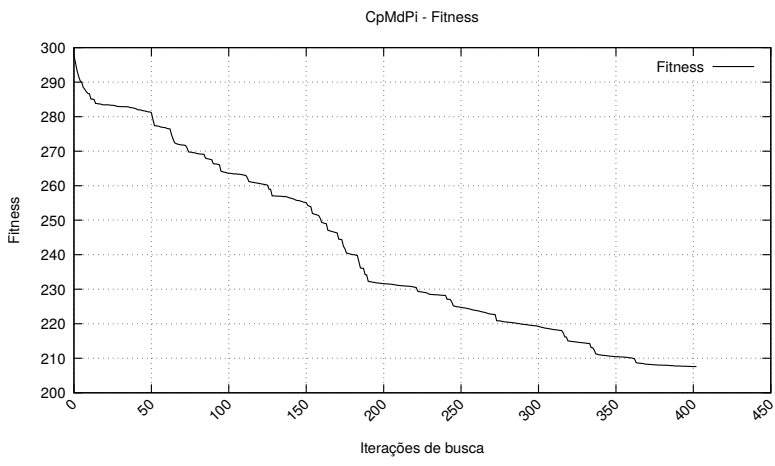
Nome	Iterações	Tempo
CpMdPd	423	0m21.958s
CpMdPi	402	0m25.171s
CpMiPd	883	0m45.320s
CpMiPi	1918	1m30.367s
SpPd	816	0m49.400s
SpPi	836	0m52.187s

3 Sistema

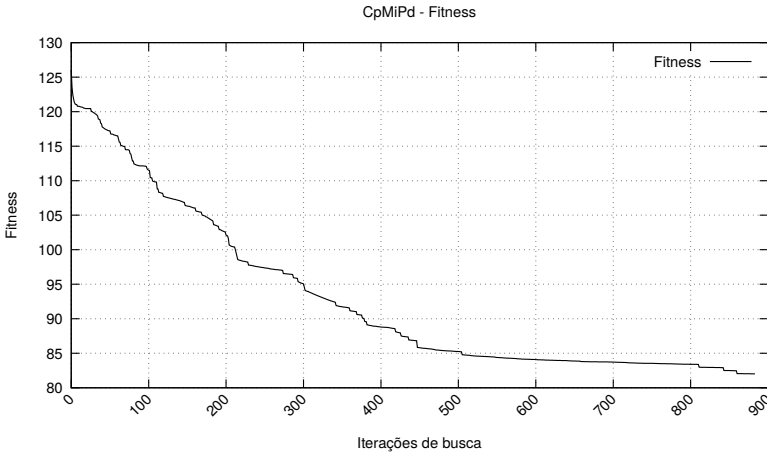
3.1 Fitness



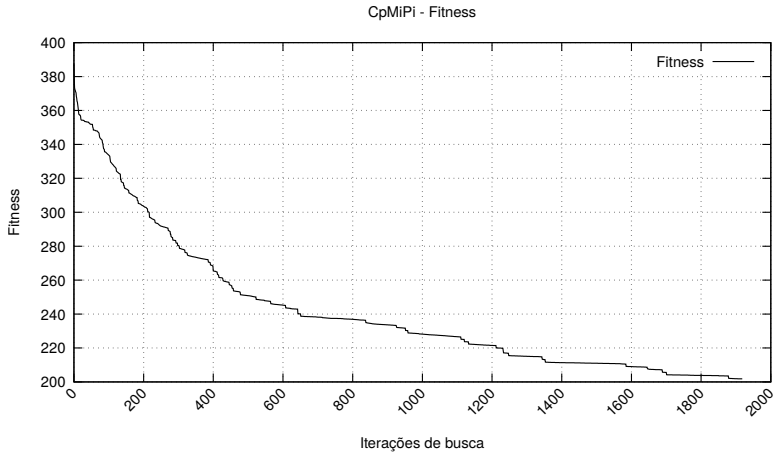
(a) CpMdPd



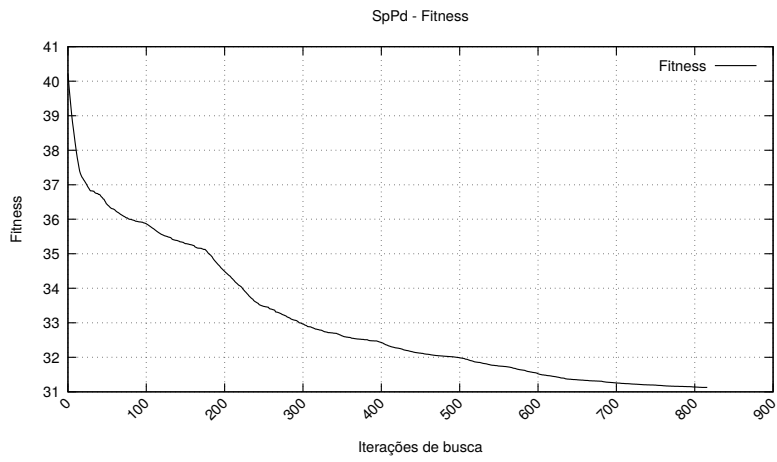
(b) CpMdPi



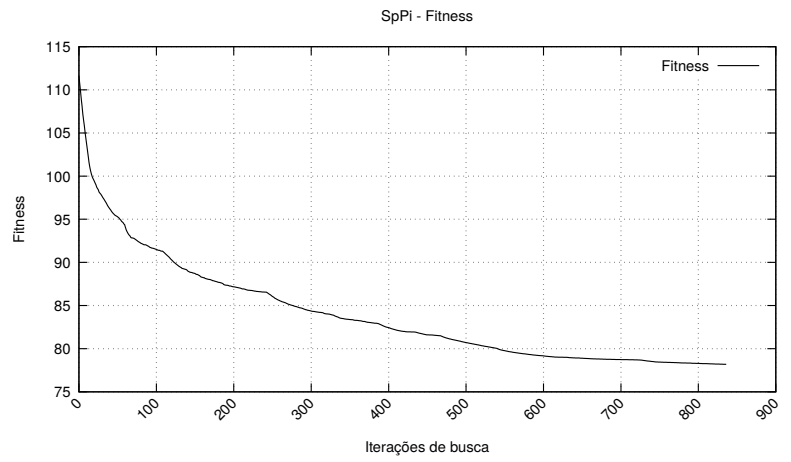
(a) CpMiPd



(b) CpMiPi



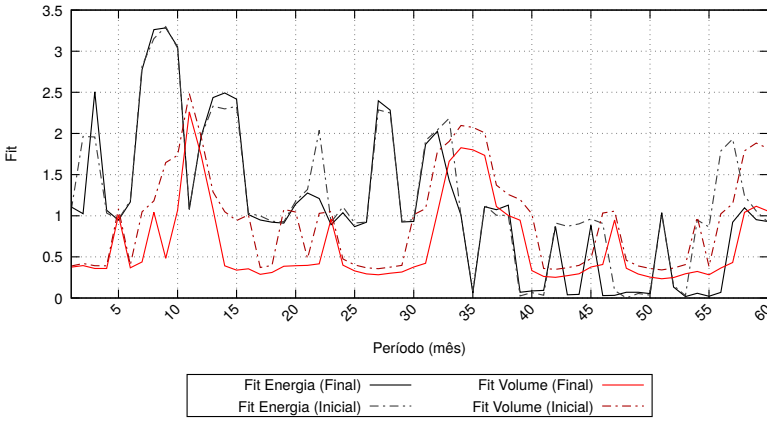
(a) SpPd



(b) SpPi

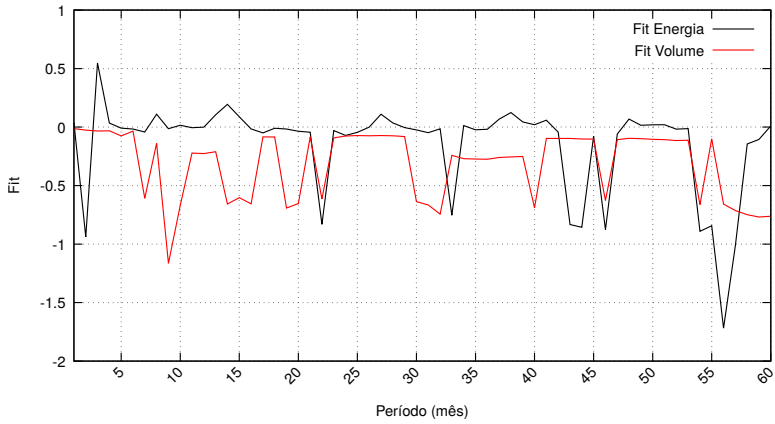
3.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



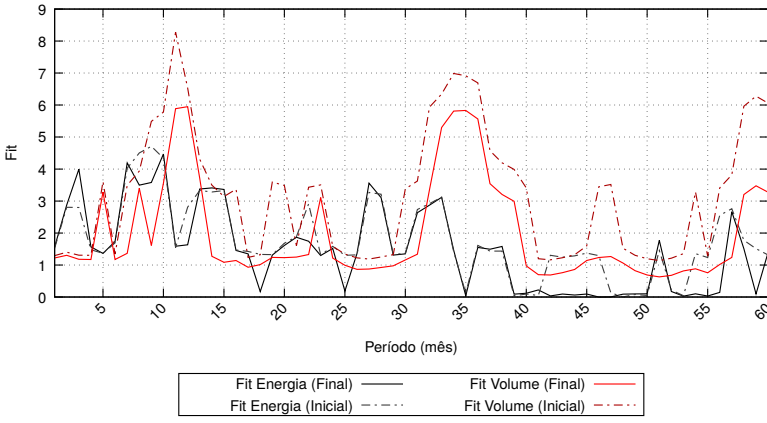
(a) CpMdPd

CpMdPd - Fit - Diferença



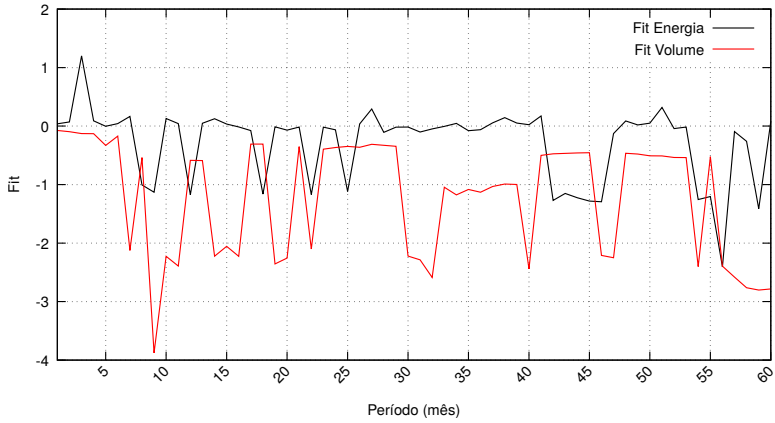
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



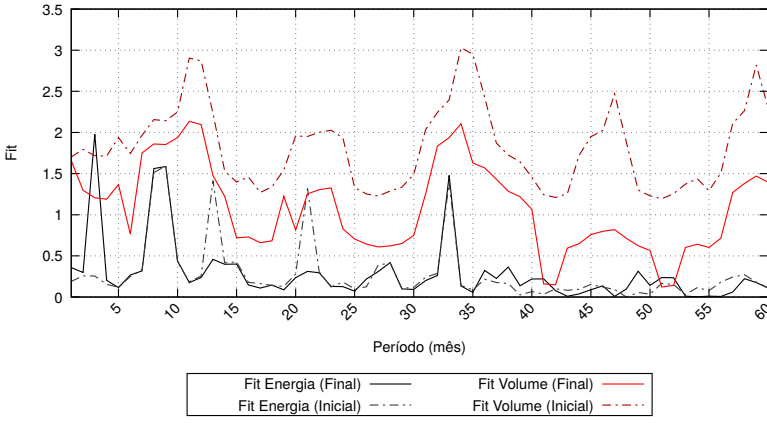
(a) CpMdPi

CpMdPi - Fit - Diferença



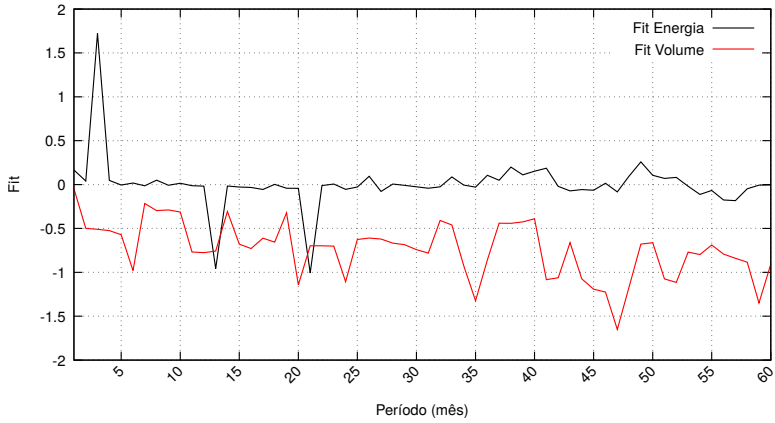
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



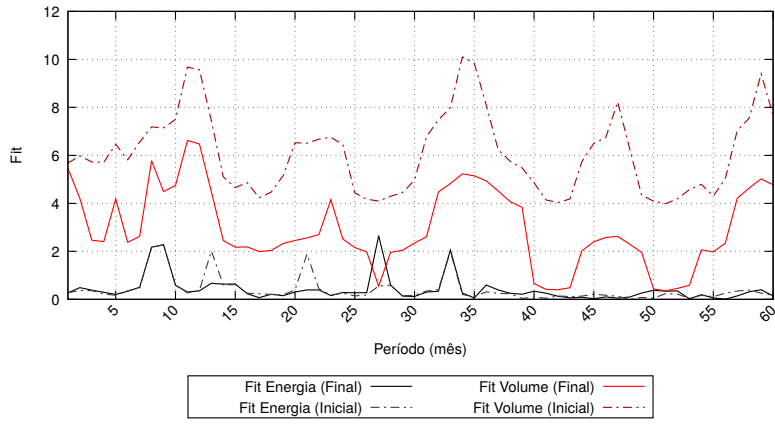
(a) CpMiPd

CpMiPd - Fit - Diferença



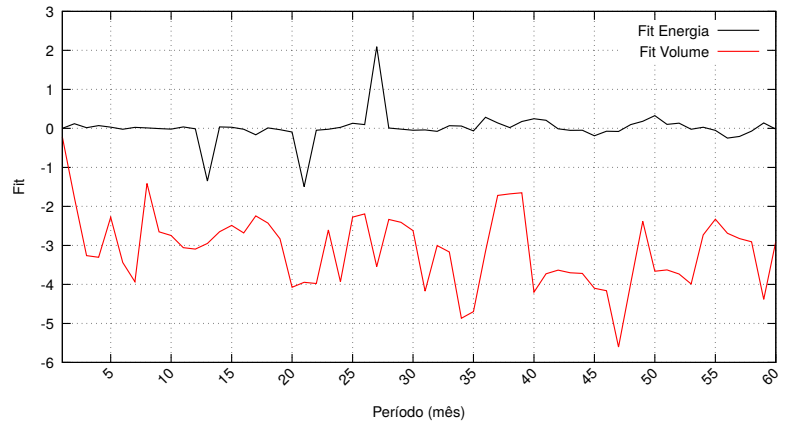
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



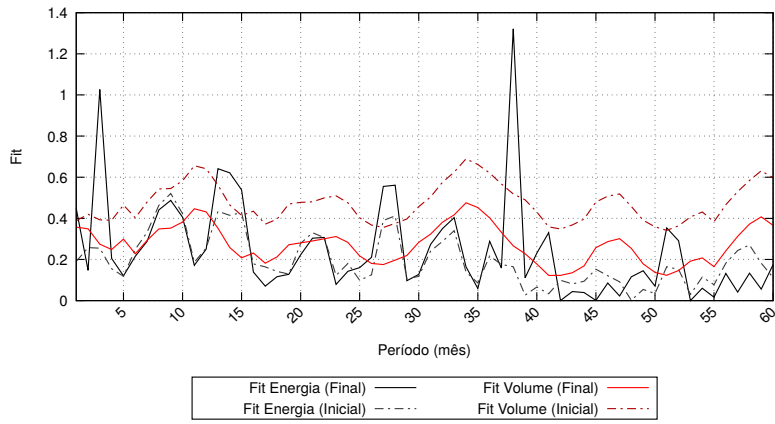
(a) CpMiPi

CpMiPi - Fit - Diferença



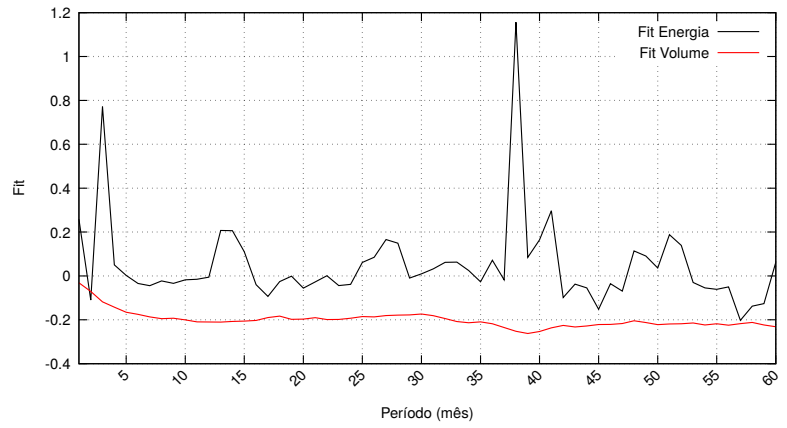
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



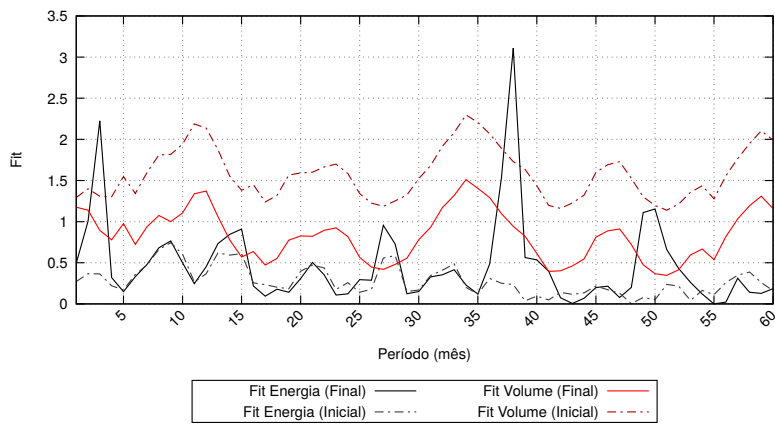
(a) SpPd

SpPd - Fit - Diferença



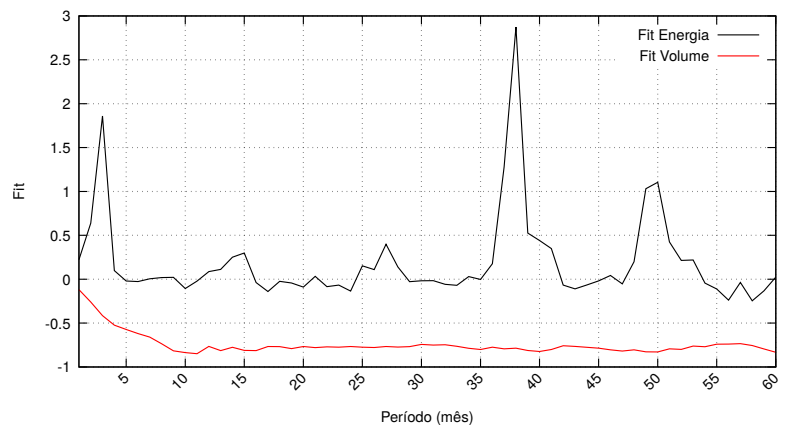
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



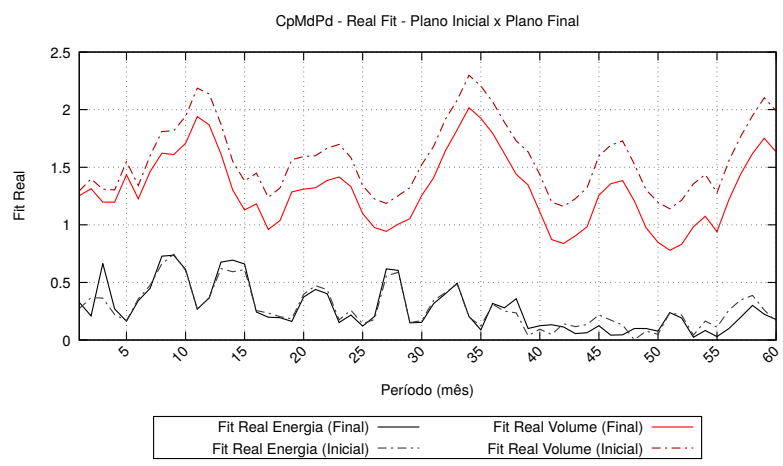
(a) SpPi

SpPi - Fit - Diferença

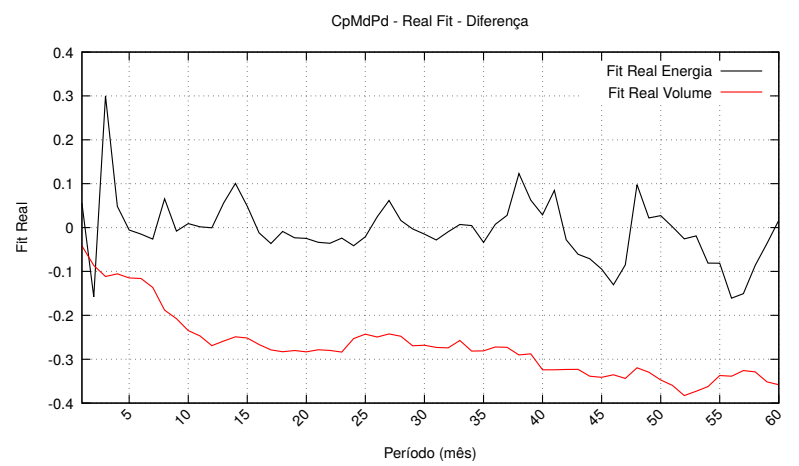


(b) SpPi

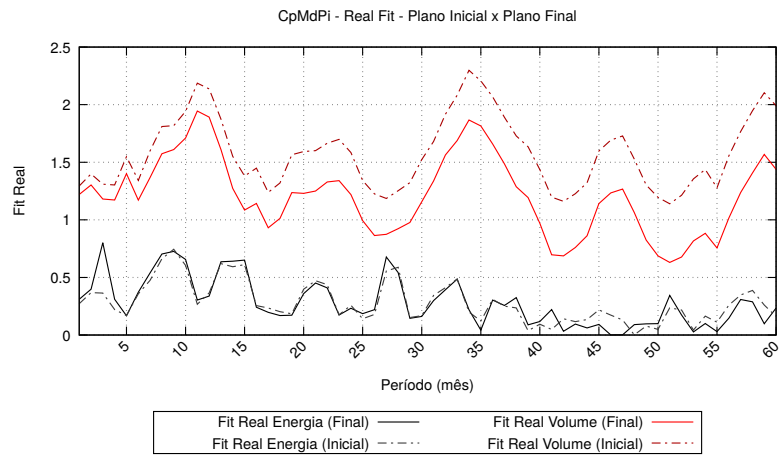
3.3 Energia/Volume RealFit



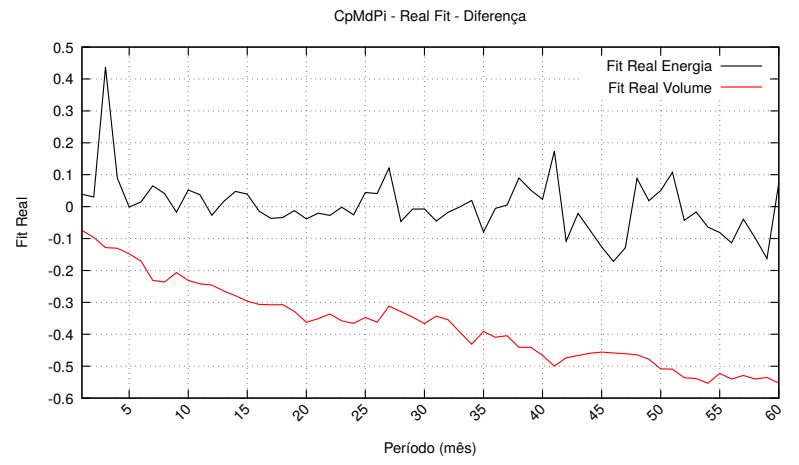
(a) CpMdPd



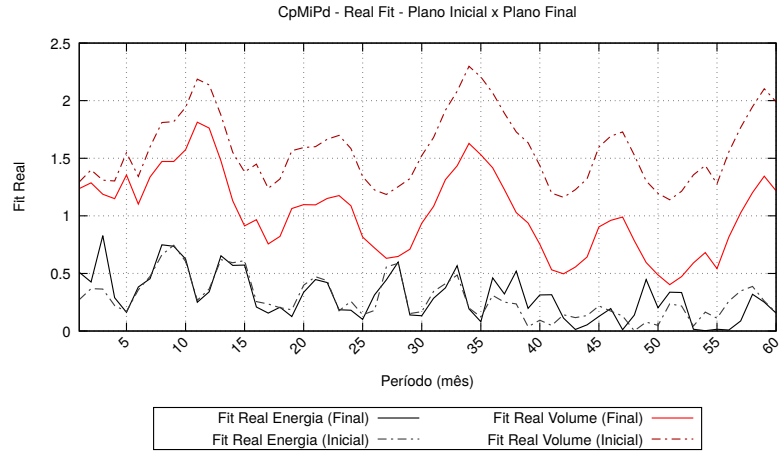
(b) CpMdPd



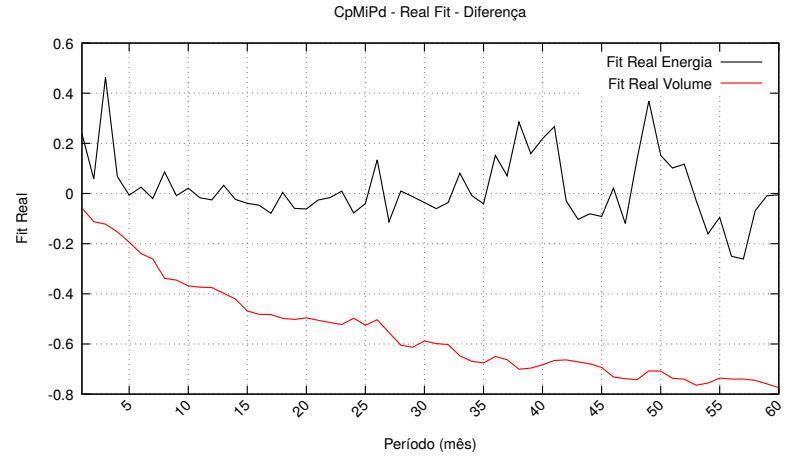
(a) CpMdPi



(b) CpMdPi

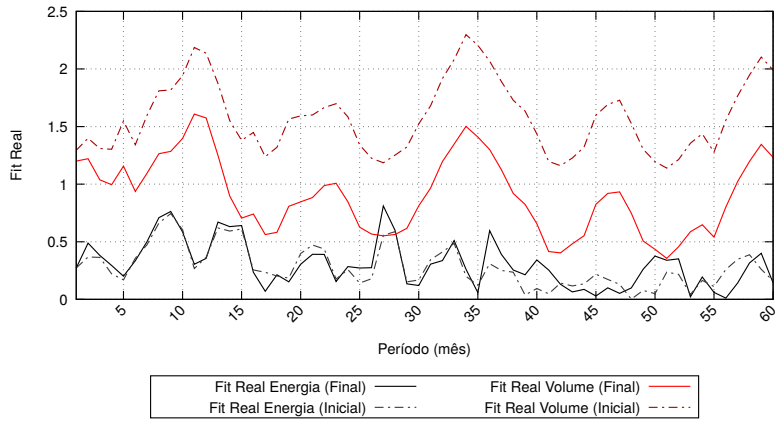


(a) CpMiPd



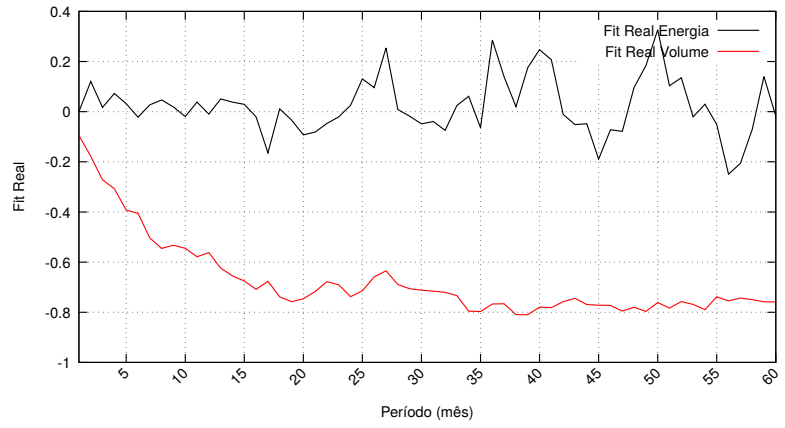
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



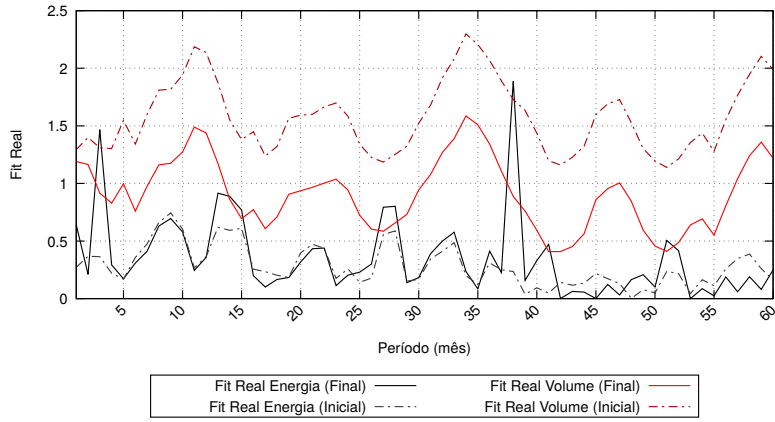
(a) CpMiPi

CpMiPi - Real Fit - Diferença



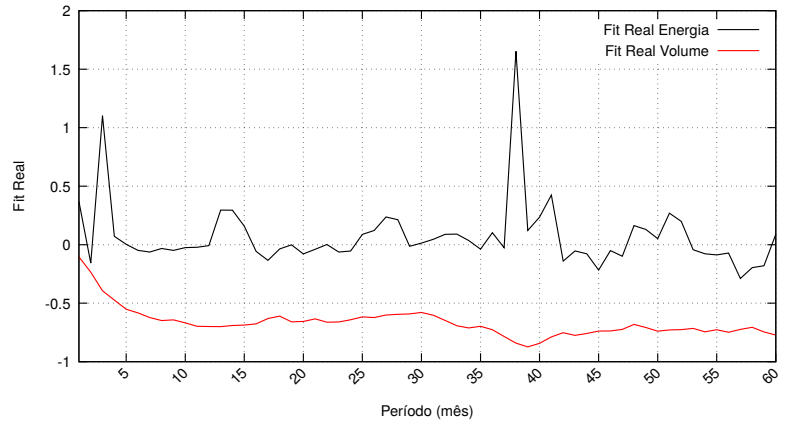
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



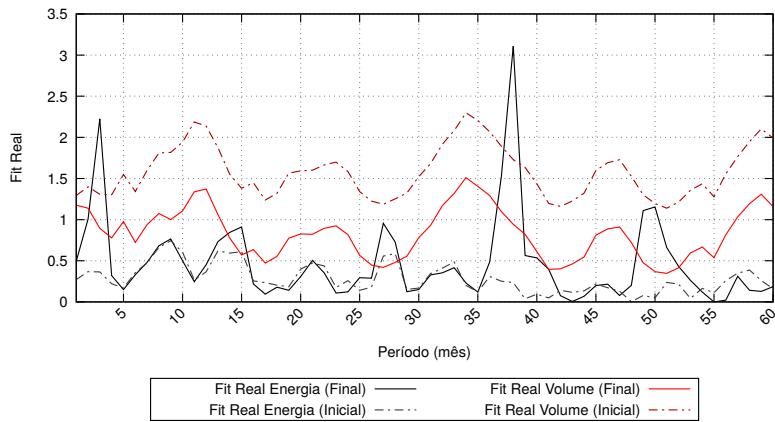
(a) SpPd

SpPd - Real Fit - Diferença



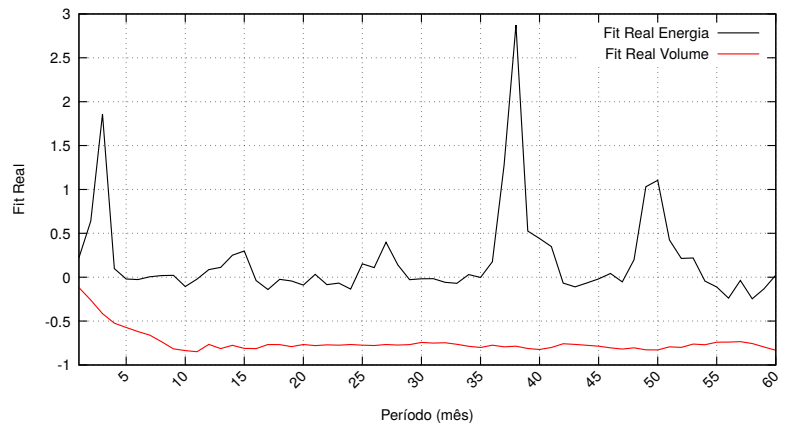
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

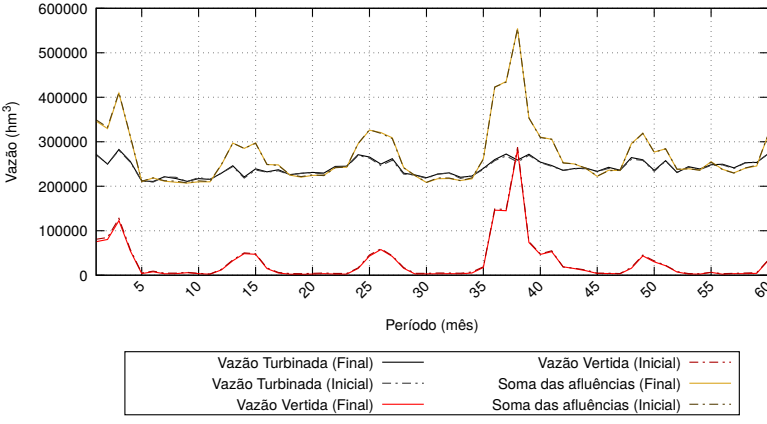
SpPi - Real Fit - Diferença



(b) SpPi

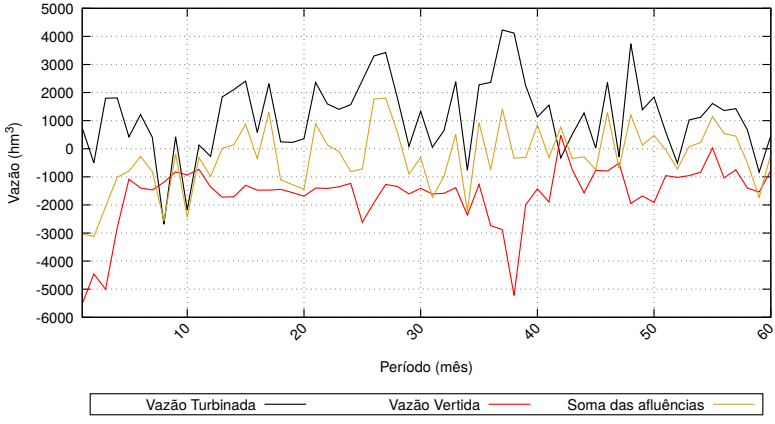
3.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



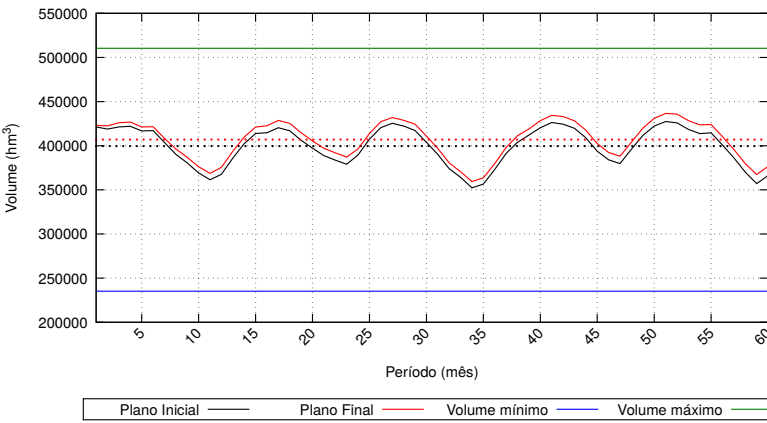
(a) CpMdPd

CpMdPd - Vazão - Diferença



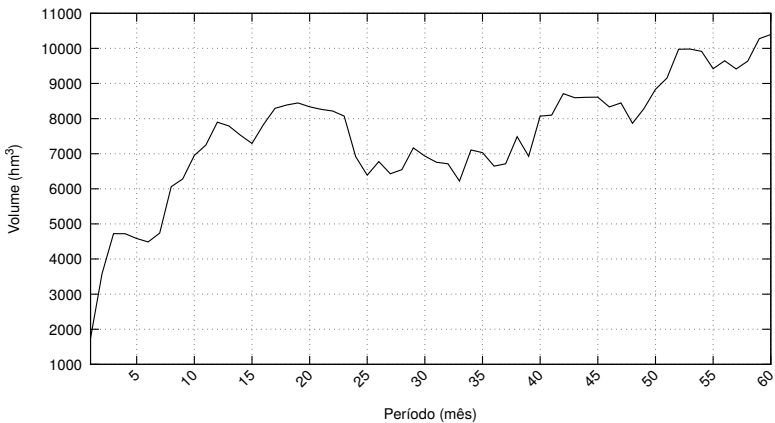
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



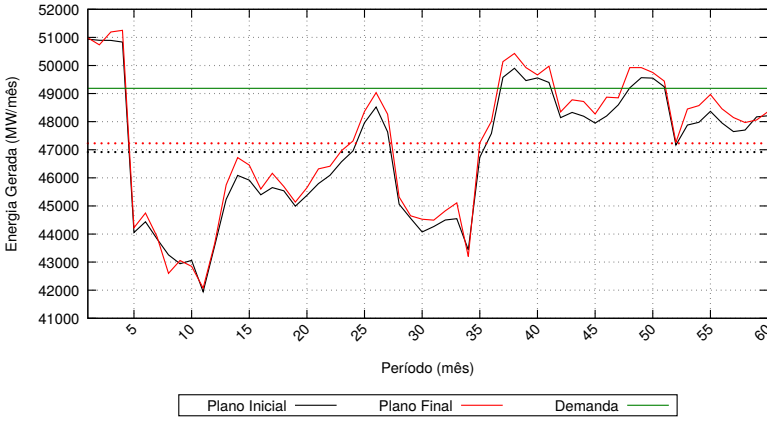
(a) CpMdPd

CpMdPd - Volume - Diferença



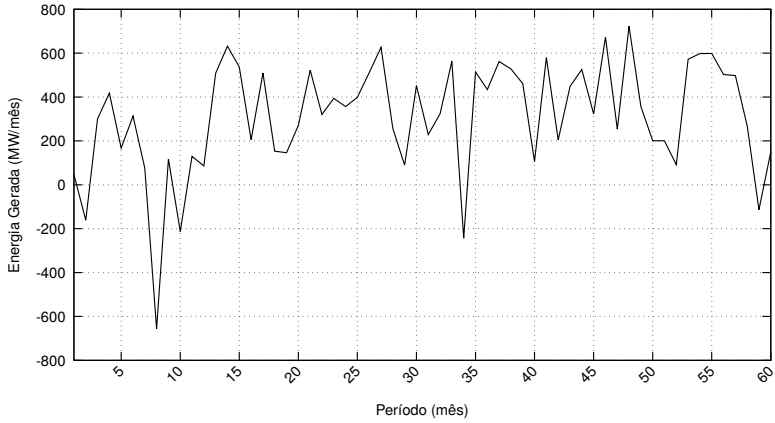
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

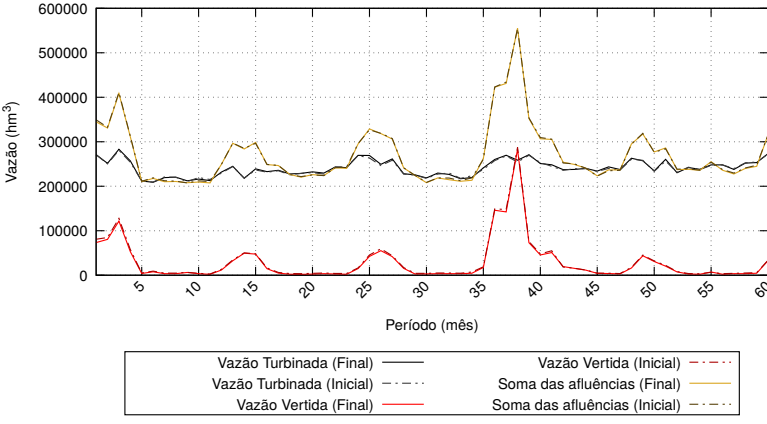
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

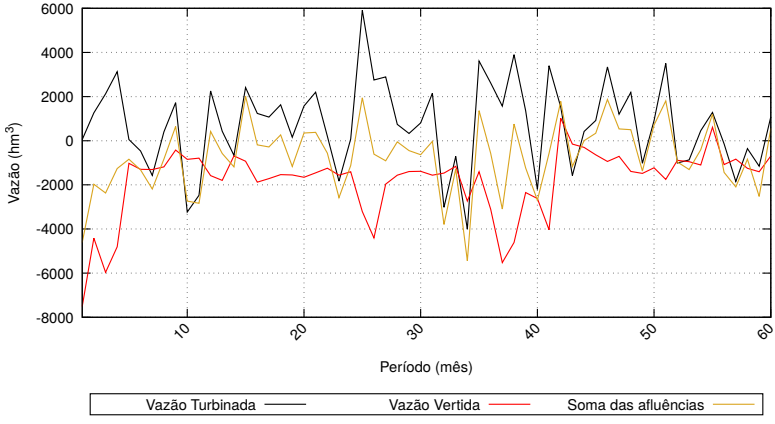
3.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



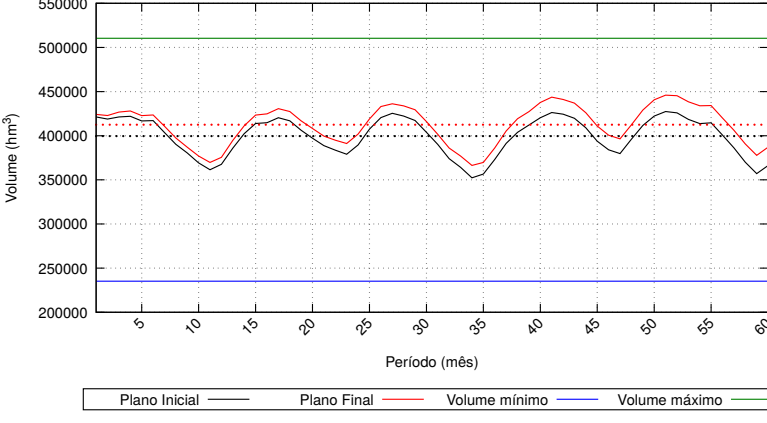
(a) CpMdPi

CpMdPi - Vazão - Diferença



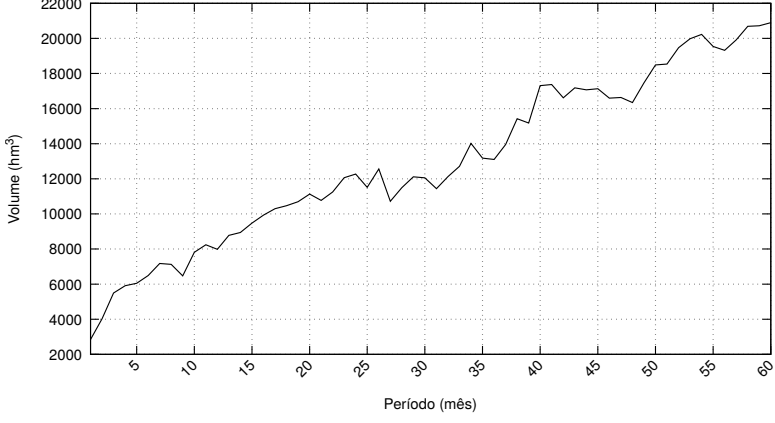
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



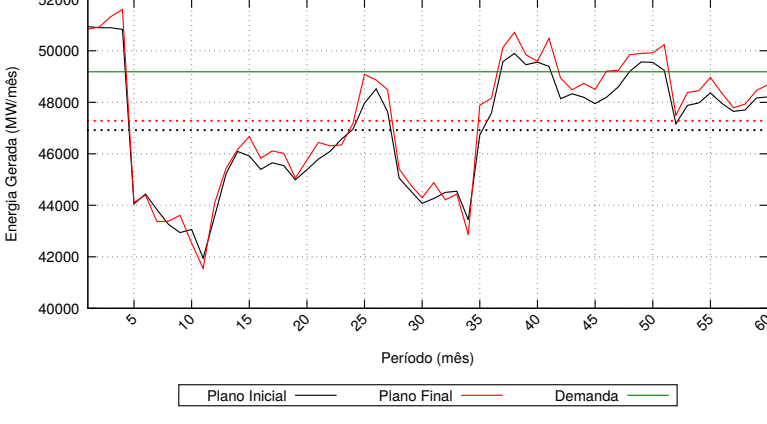
(a) CpMdPi

CpMdPi - Volume - Diferença



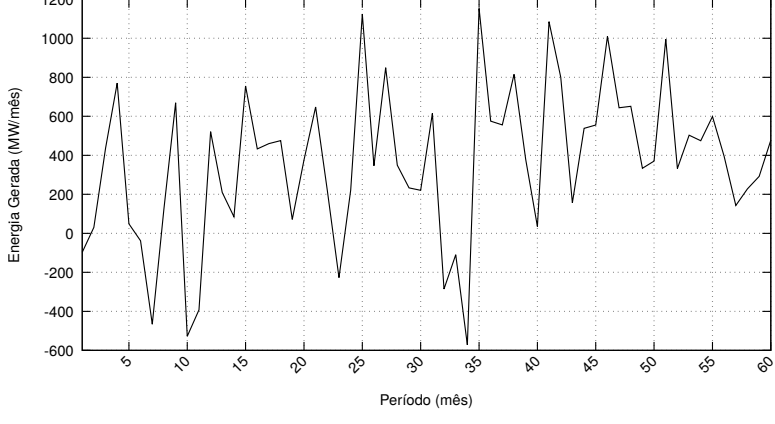
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

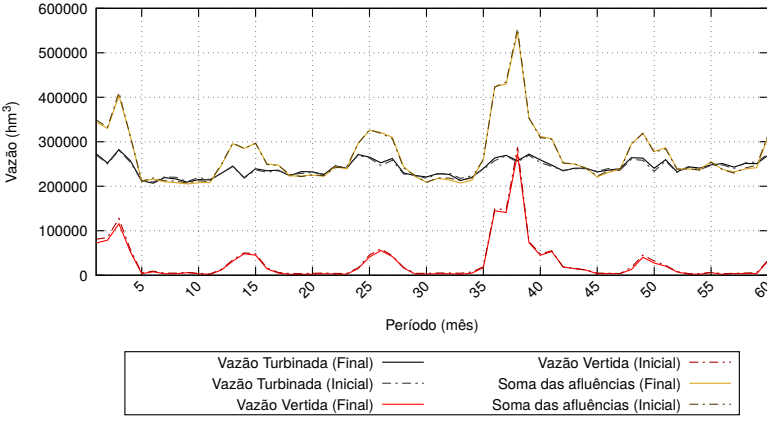
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

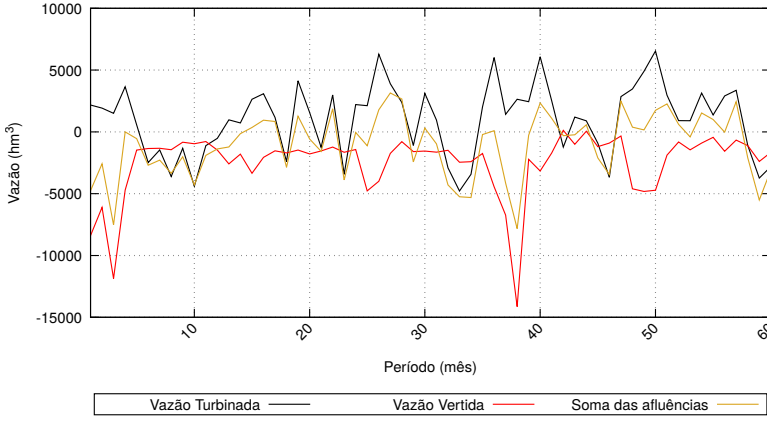
3.6 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



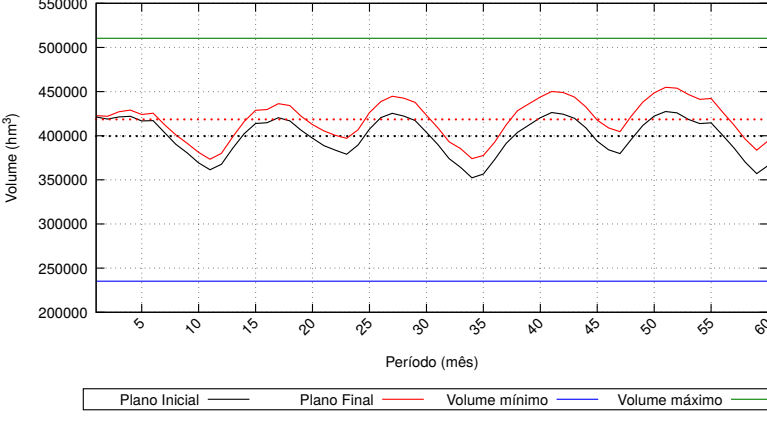
(a) CpMiPd

CpMiPd - Vazão - Diferença



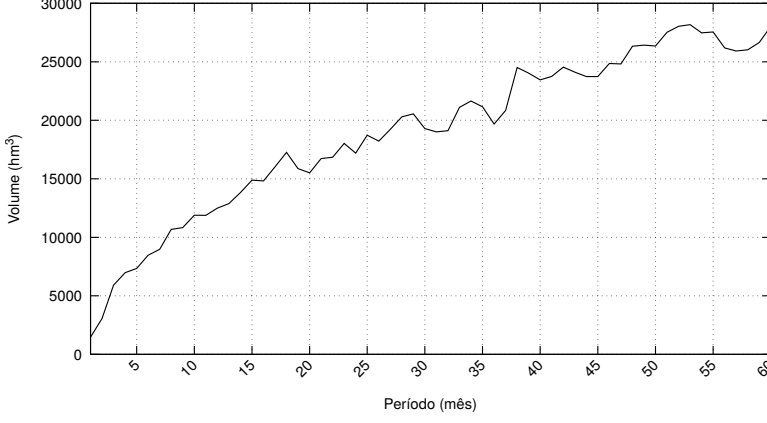
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



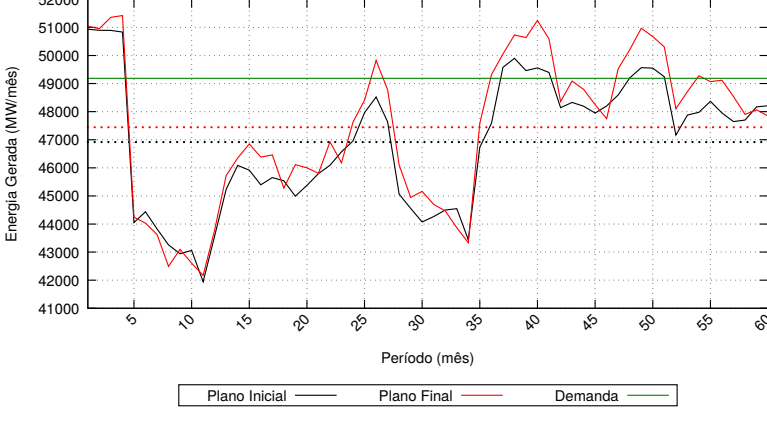
(a) CpMiPd

CpMiPd - Volume - Diferença



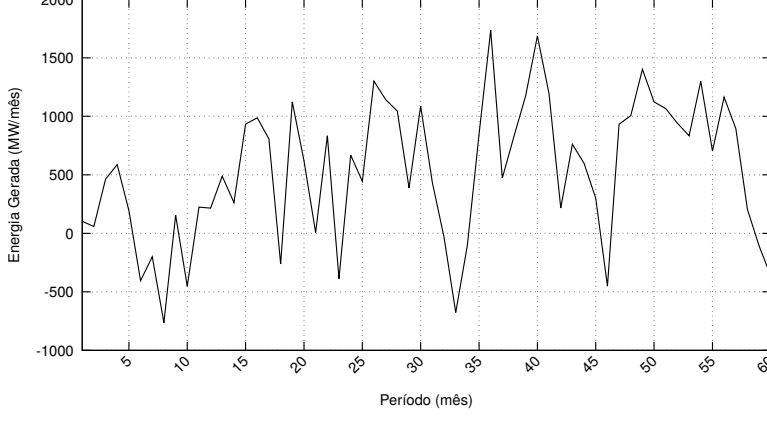
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



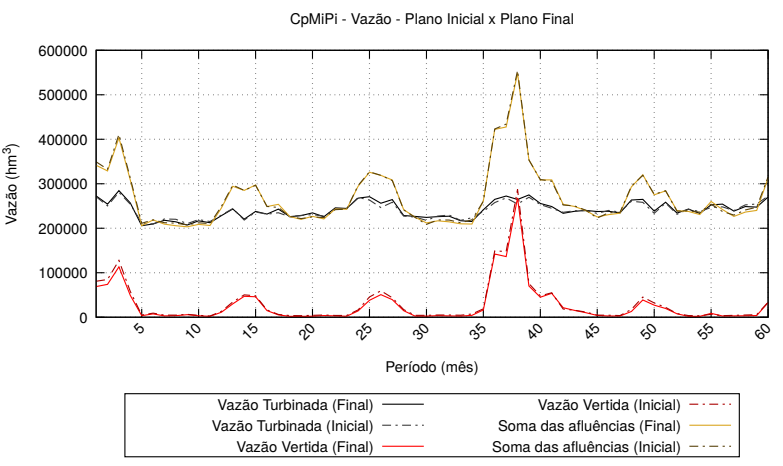
(a) CpMiPd

CpMiPd - Energia Gerada - Diferença

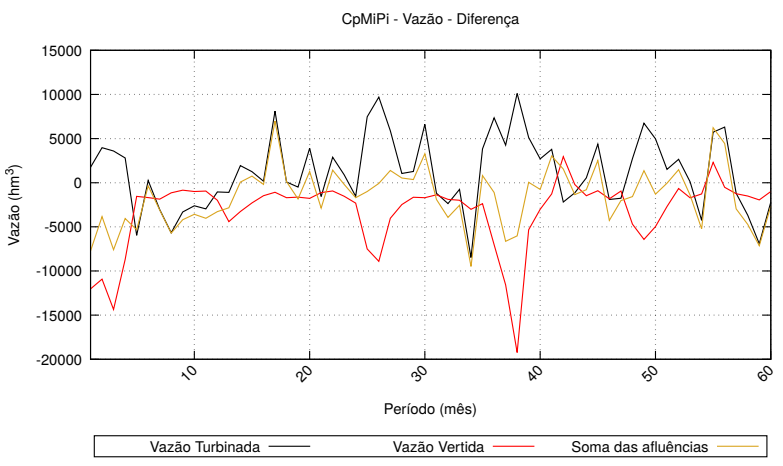


(b) CpMiPd

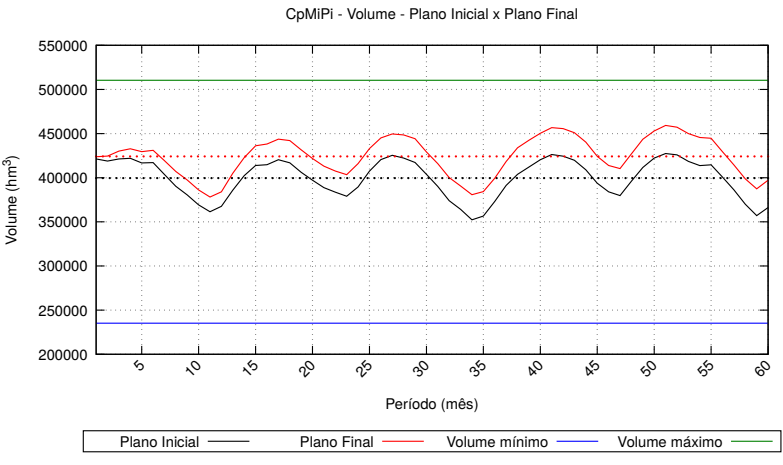
3.7 Resultados - CpMiPi



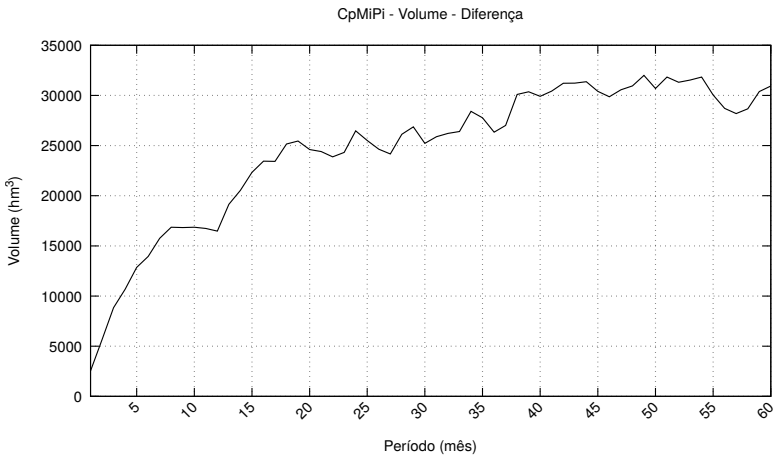
(a) CpMiPi



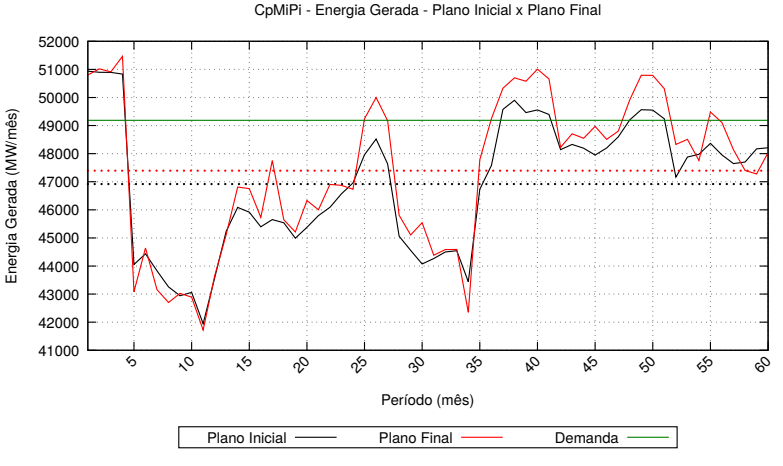
(b) CpMiPi



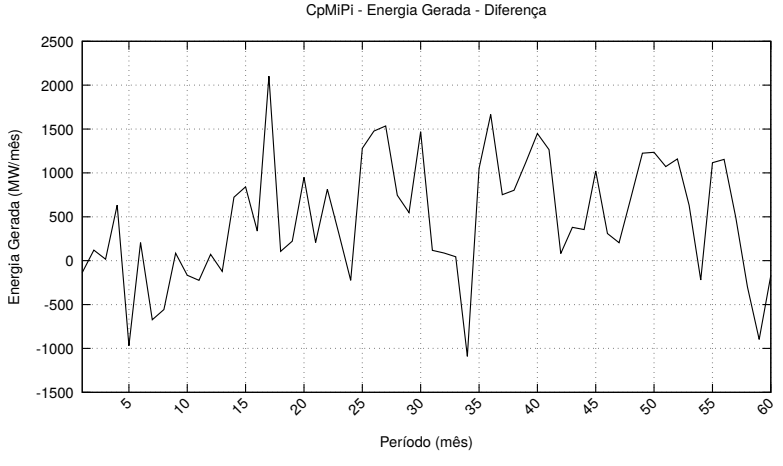
(a) CpMiPi



(b) CpMiPi



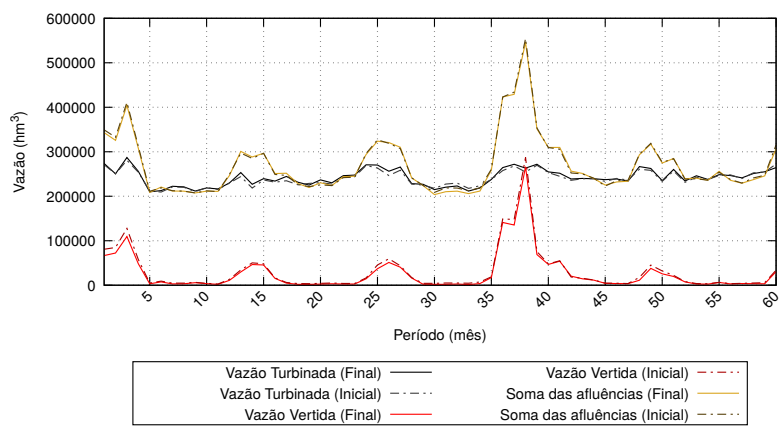
(a) CpMiPi



(b) CpMiPi

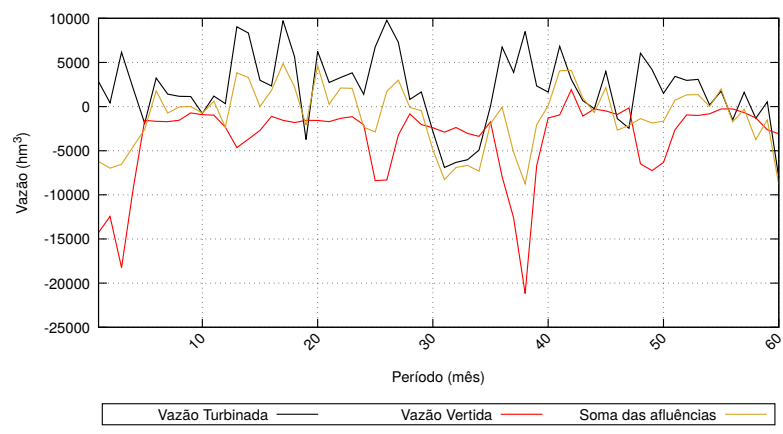
3.8 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



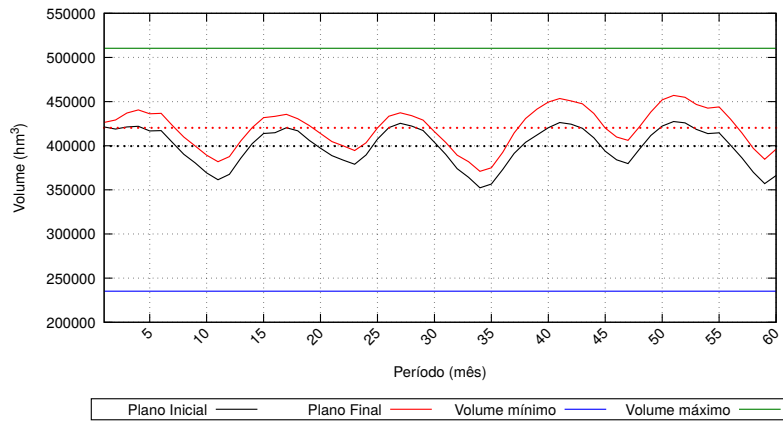
(a) SpPd

SpPd - Vazão - Diferença



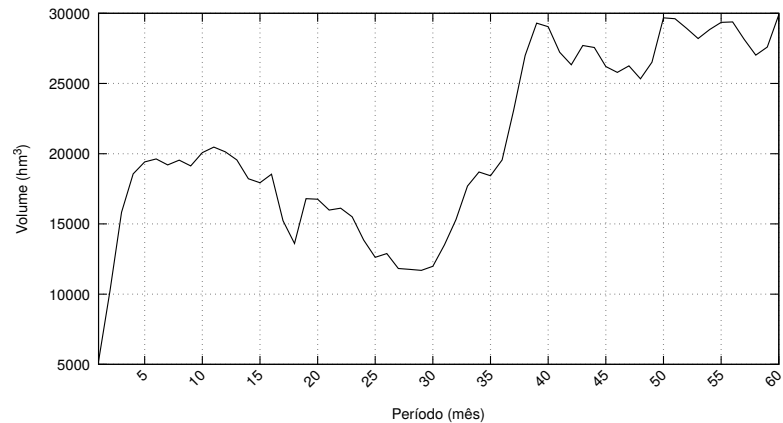
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



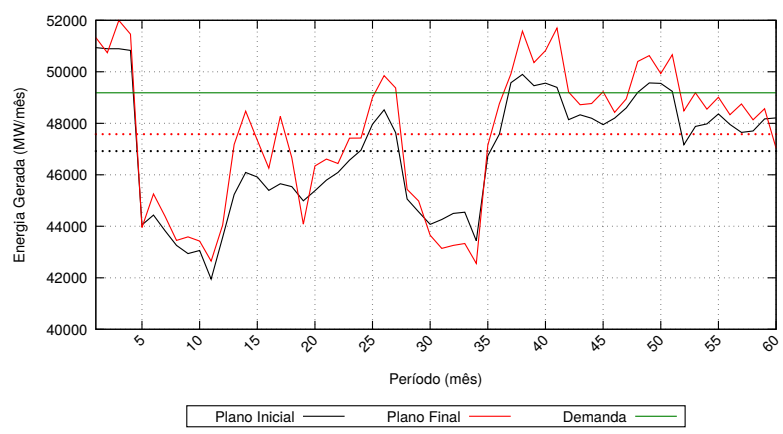
(a) SpPd

SpPd - Volume - Diferença



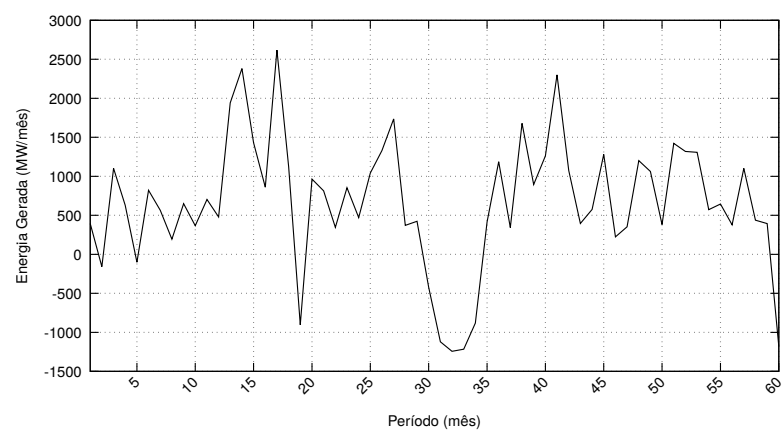
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

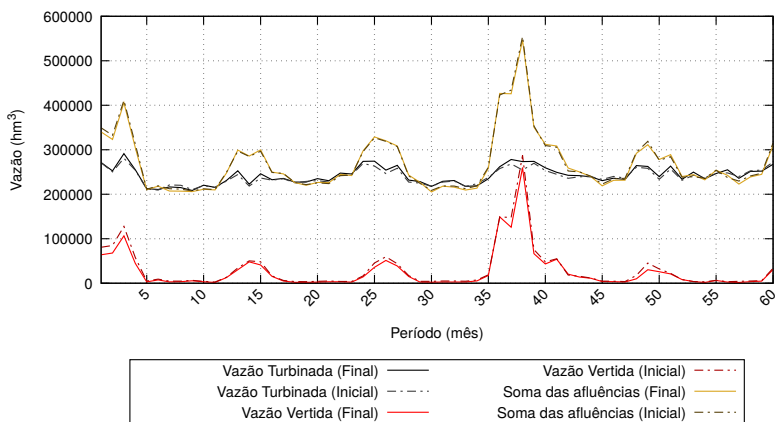
SpPd - Energia Gerada - Diferença



(b) SpPd

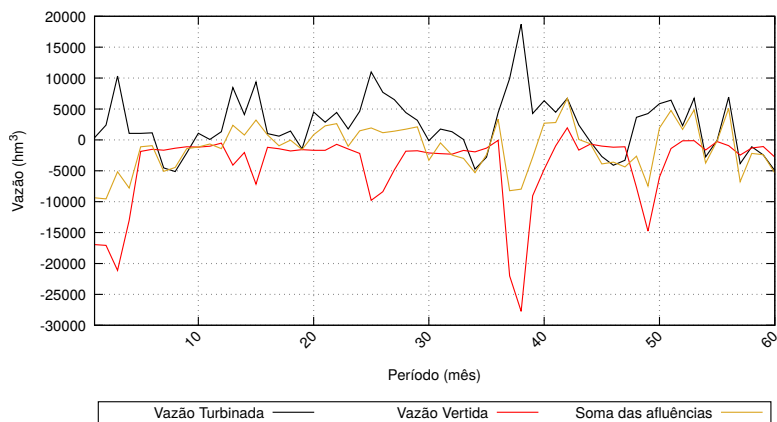
3.9 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



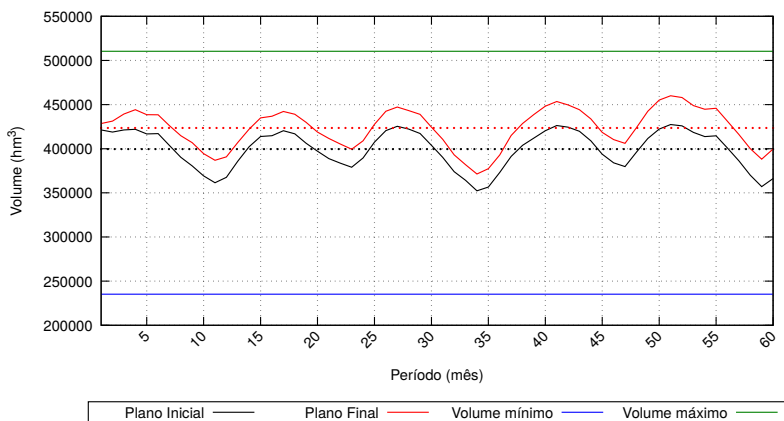
(a) SpPi

SpPi - Vazão - Diferença



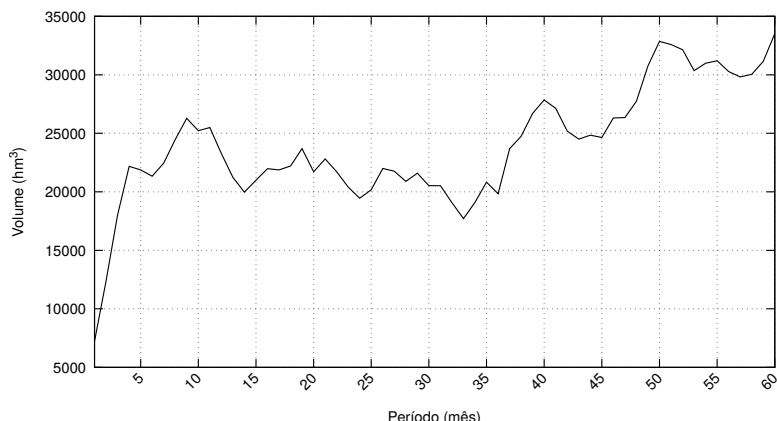
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



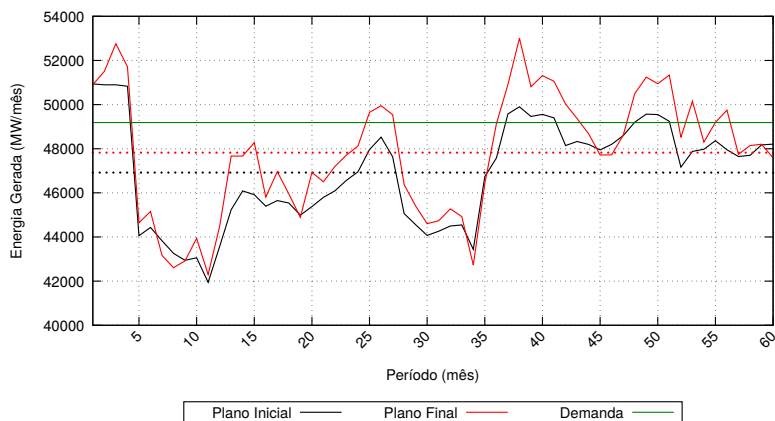
(a) SpPi

SpPi - Volume - Diferença



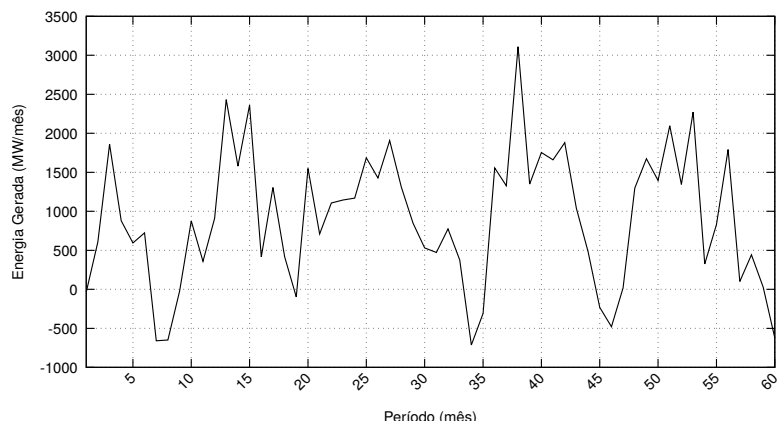
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

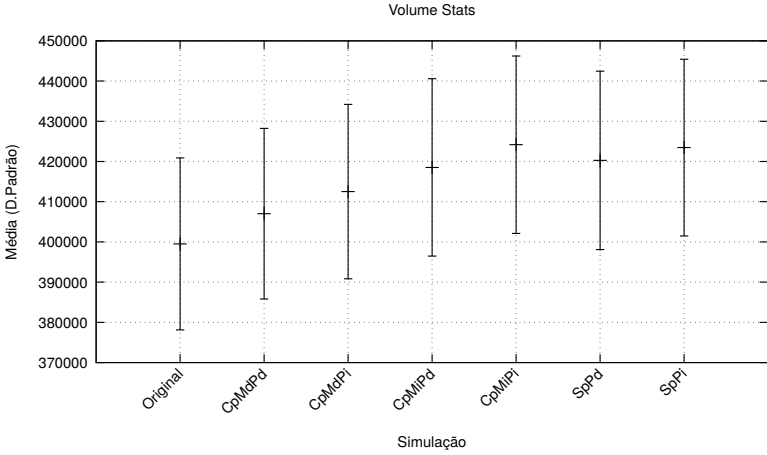


(b) SpPi

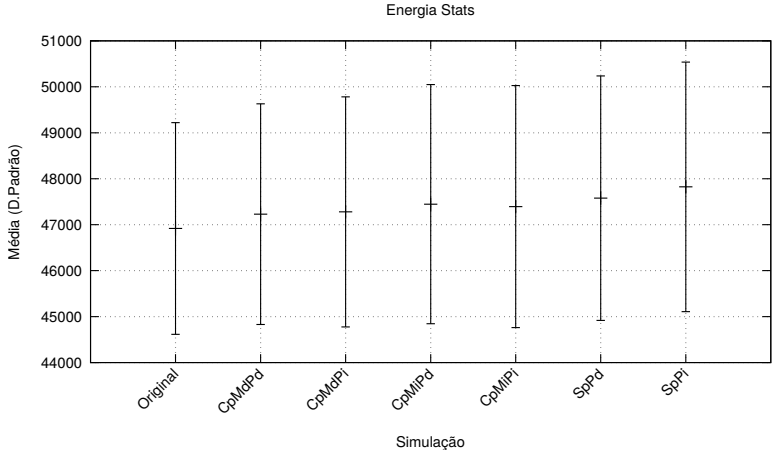
3.10 GPlan Stats

Tabela 8: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	399507.82311	21387.87190	46917.86493	2303.33052
CpMdPd	407016.12182	21207.45358	47228.78282	2401.63891
CpMdPi	412521.19966	21676.22005	47279.13619	2502.87426
CpMiPd	418523.70572	22058.01872	47447.02082	2600.66108
CpMiPi	424180.07350	22058.06592	47393.86993	2632.42518
SpPd	420267.61240	22178.72325	47577.84492	2659.70623
SpPi	423468.19911	21972.98265	47822.80475	2714.52107



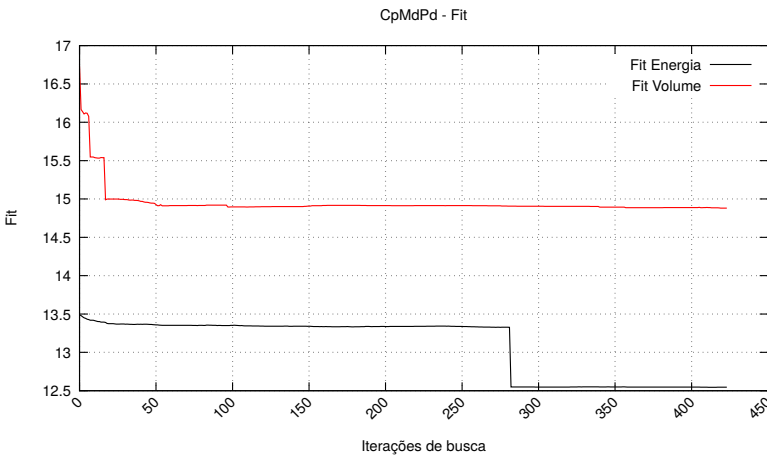
(a) Volume



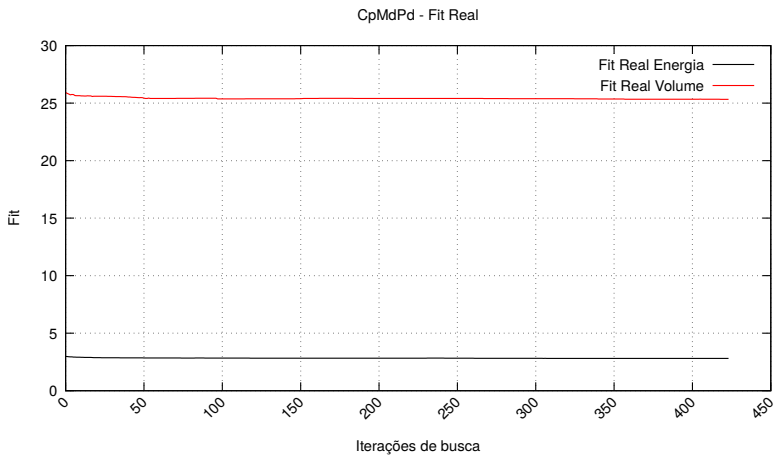
(b) Energia

4 SubSistema 1

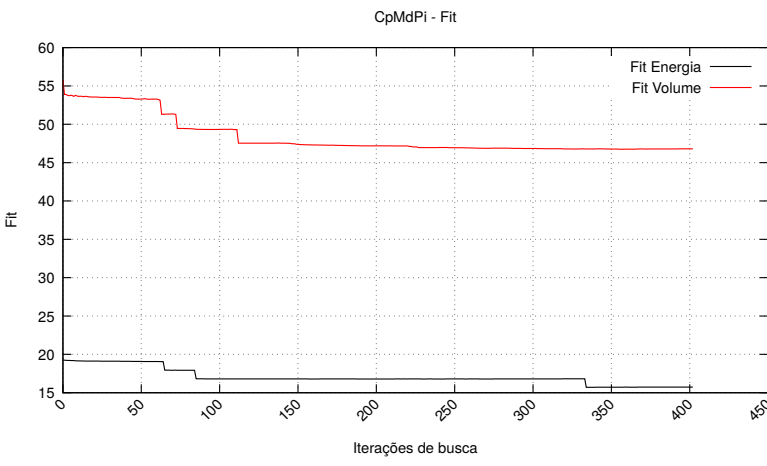
4.1 Fit/RealFit



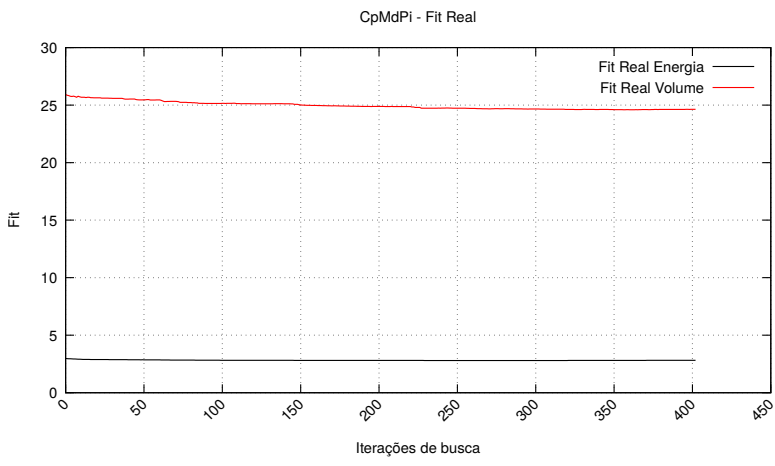
(a) CpMdPd



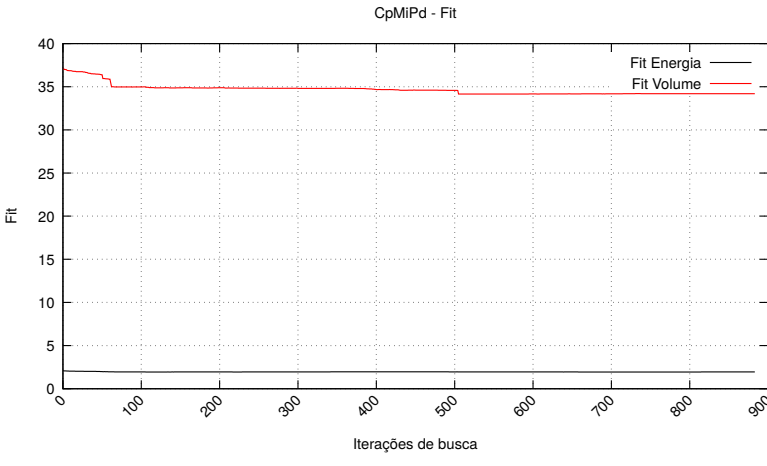
(b) CpMdPd



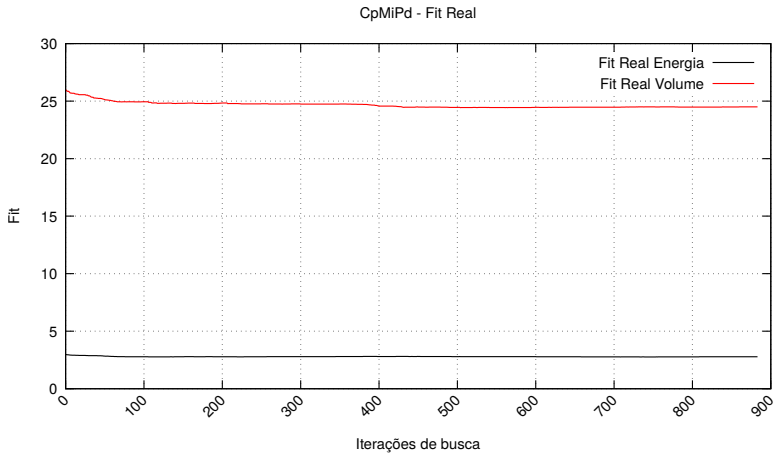
(a) CpMdPi



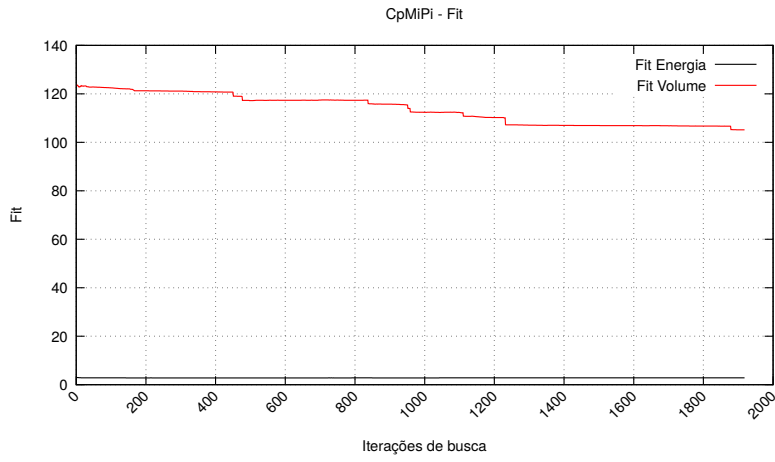
(b) CpMdPi



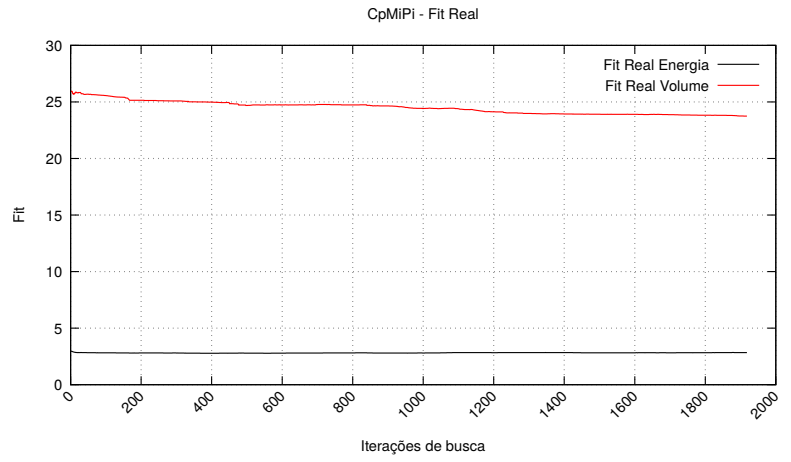
(a) CpMiPd



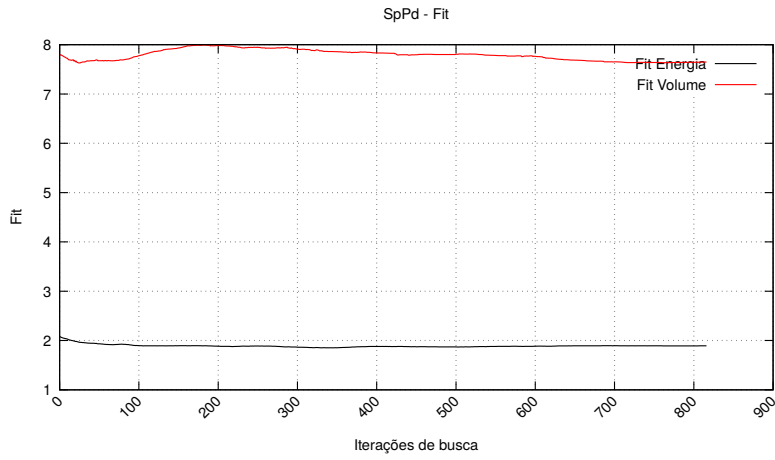
(b) CpMiPd



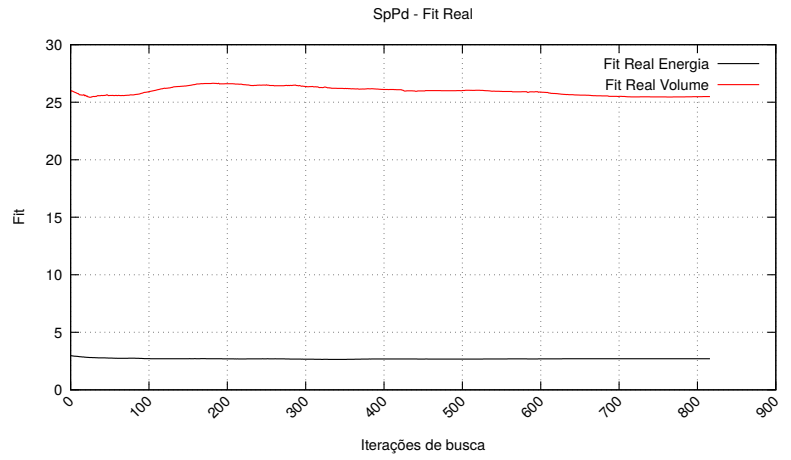
(a) CpMiPi



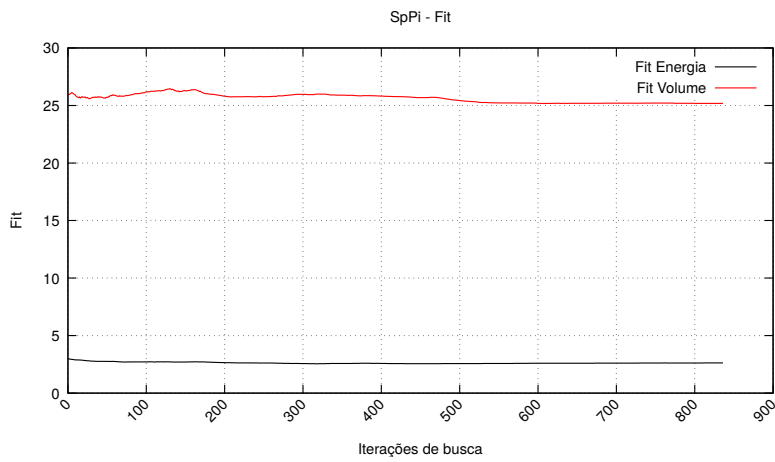
(b) CpMiPi



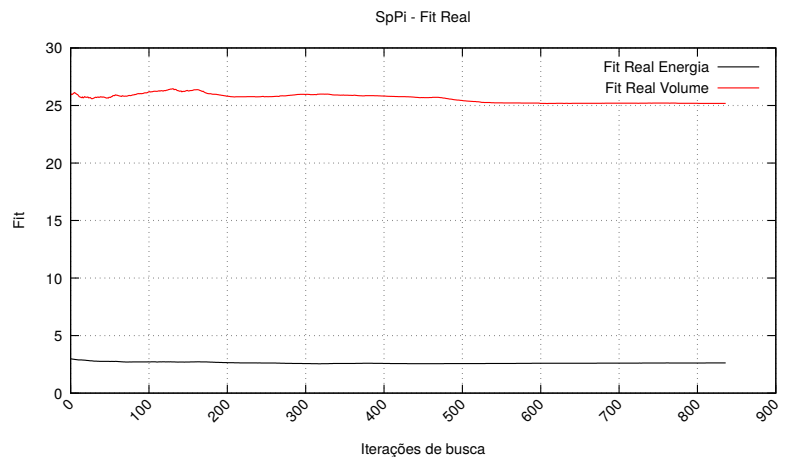
(a) SpPd



(b) SpPd



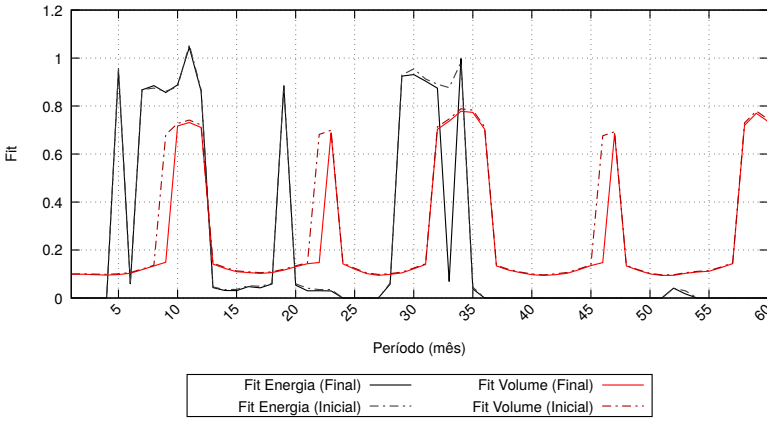
(a) SpPi



(b) SpPi

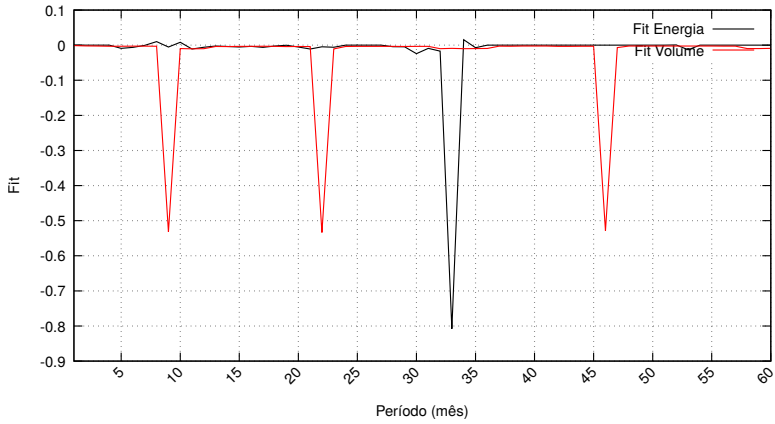
4.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



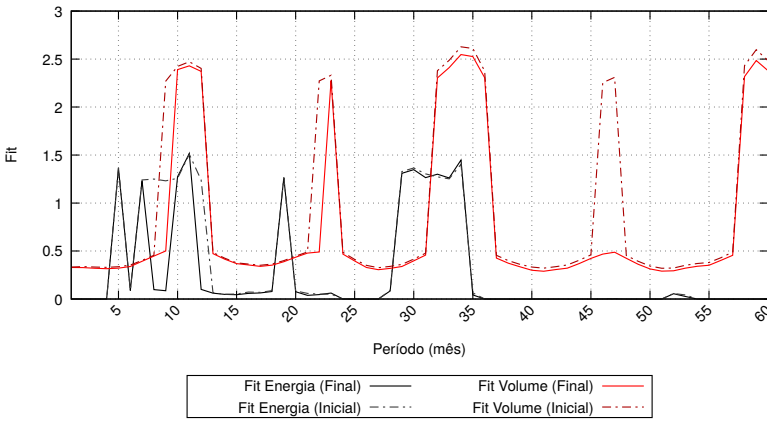
(a) CpMdPd

CpMdPd - Fit - Diferença



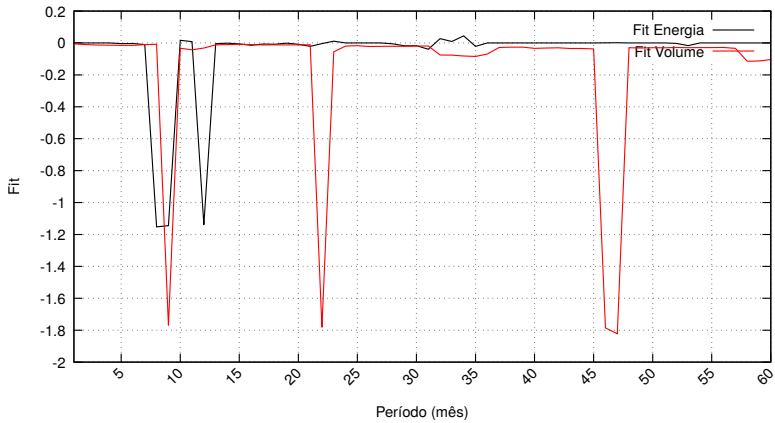
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



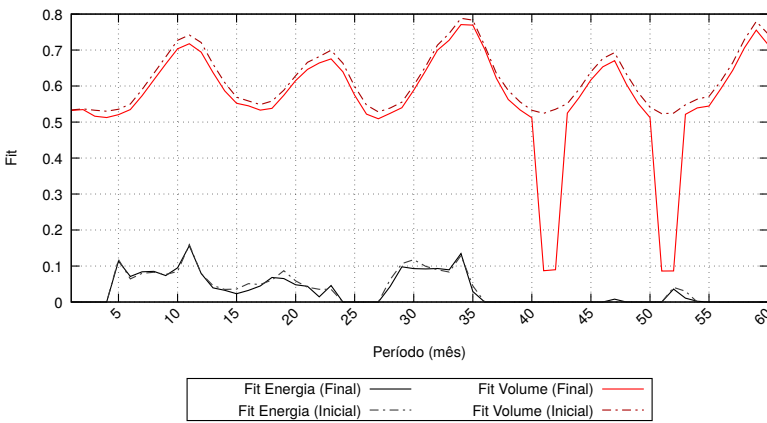
(a) CpMdPi

CpMdPi - Fit - Diferença



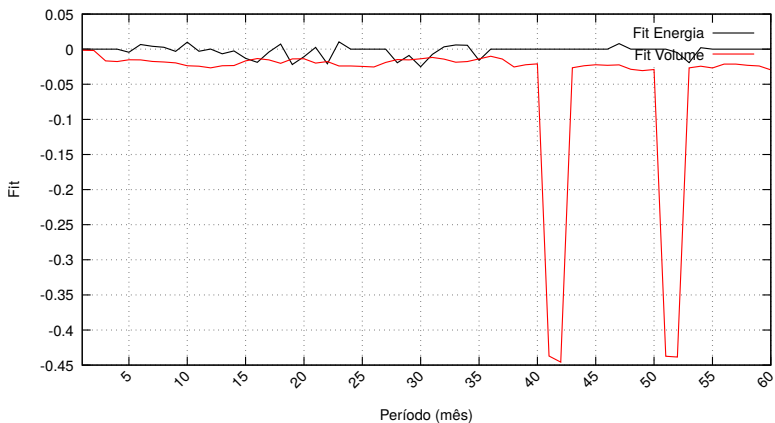
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



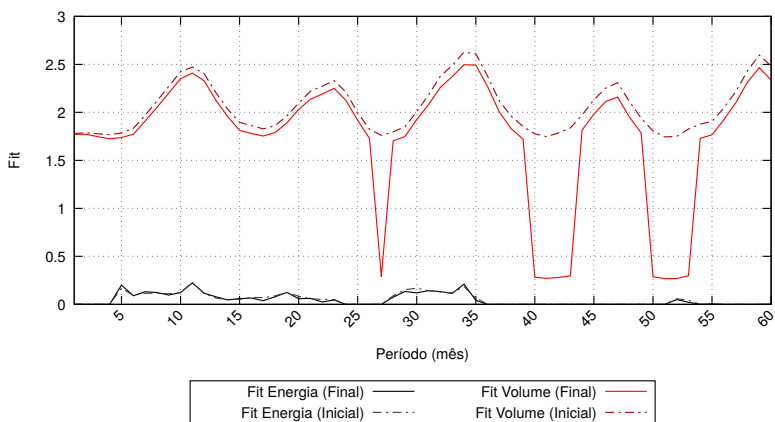
(a) CpMiPd

CpMiPd - Fit - Diferença



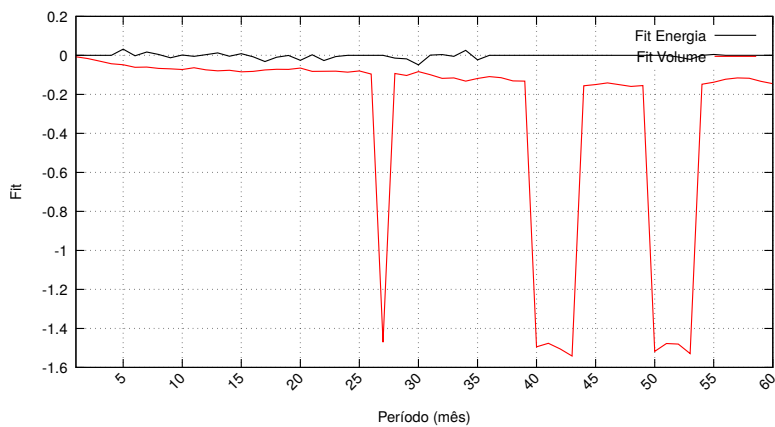
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



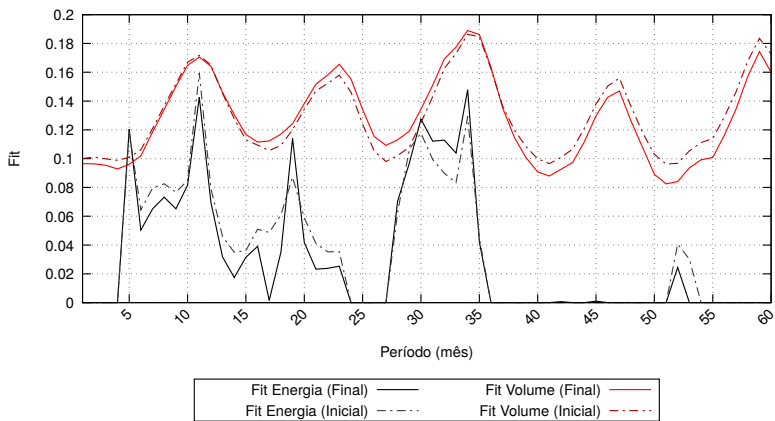
(a) CpMiPi

CpMiPi - Fit - Diferença



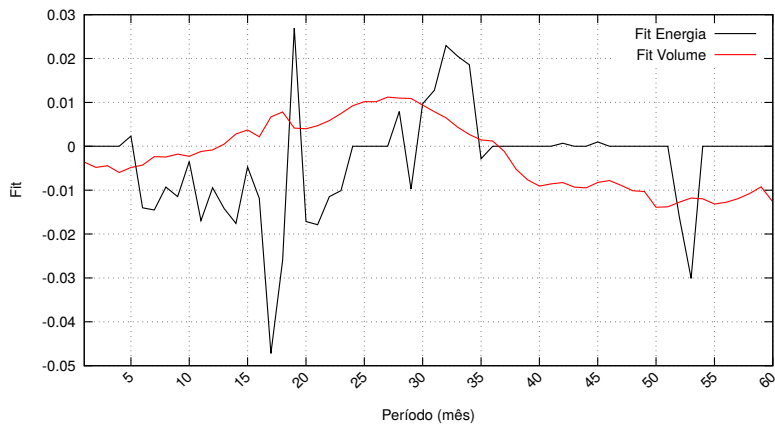
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



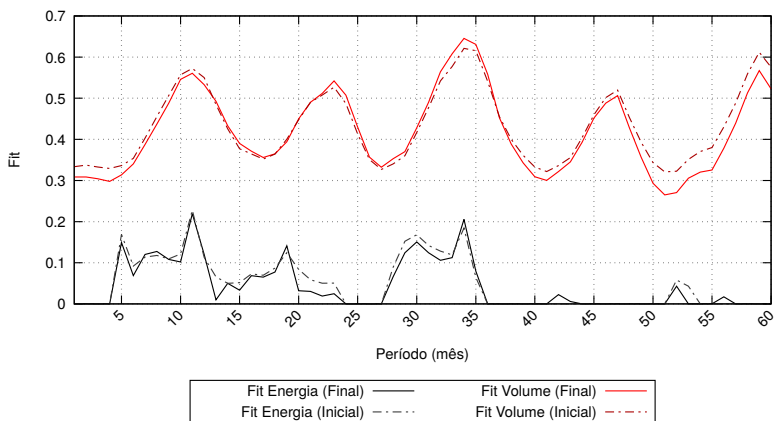
(a) SpPd

SpPd - Fit - Diferença



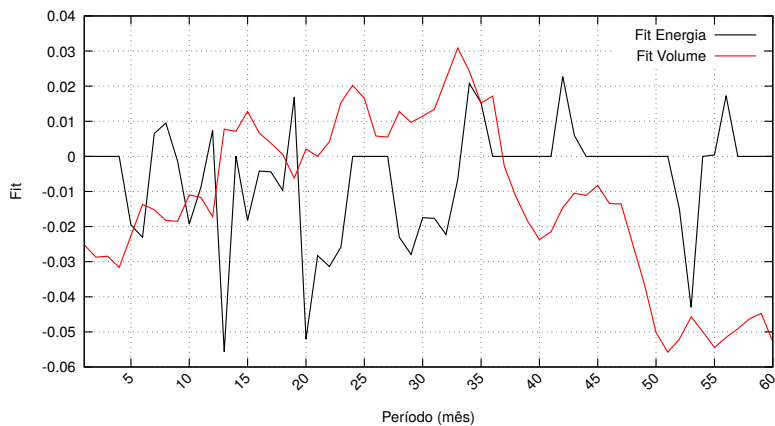
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



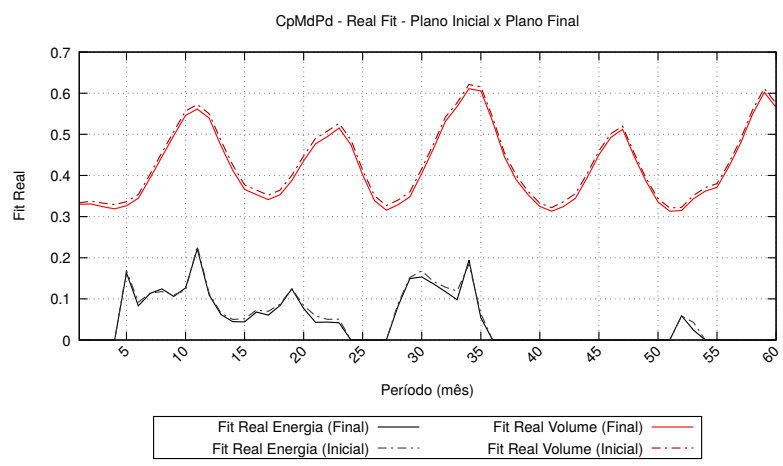
(a) SpPi

SpPi - Fit - Diferença

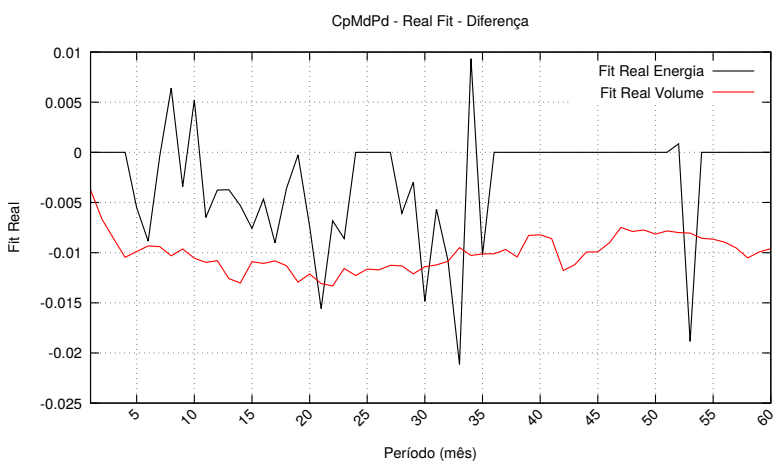


(b) SpPi

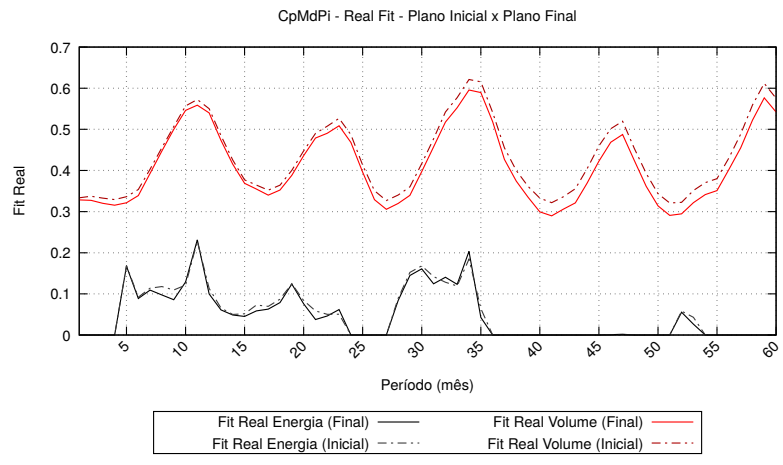
4.3 Energia/Volume RealFit



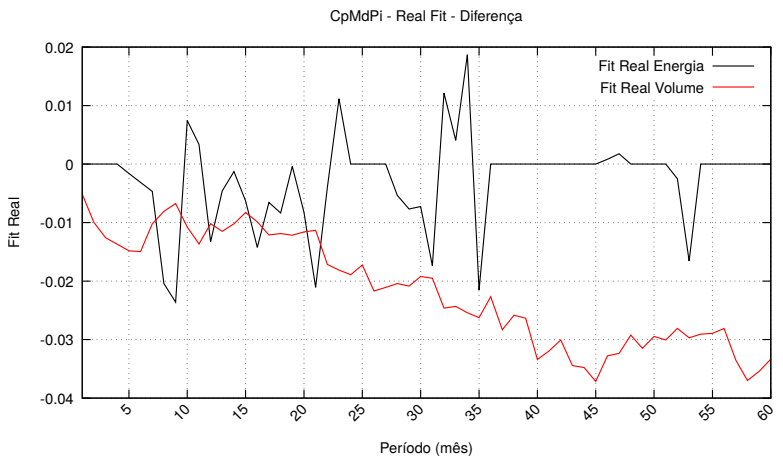
(a) CpMdPd



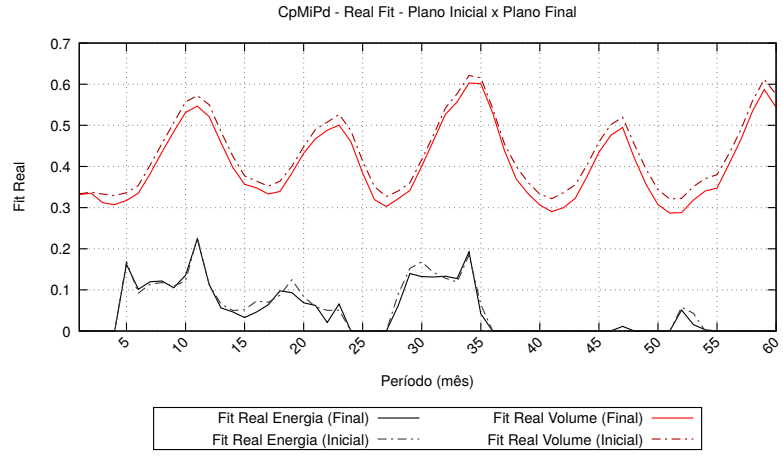
(b) CpMdPd



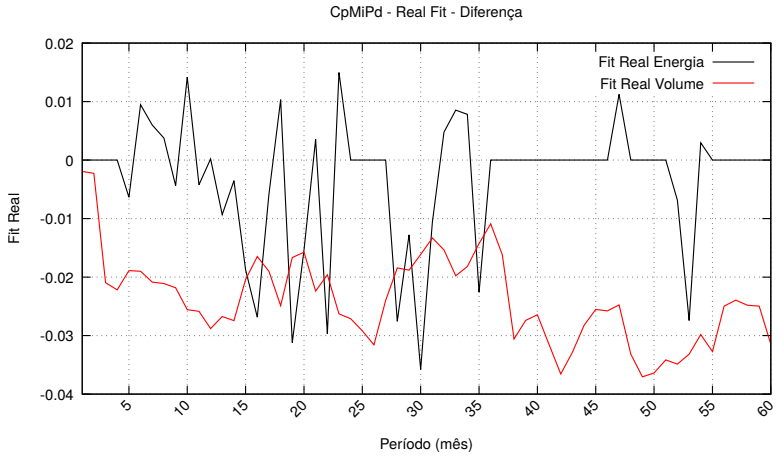
(a) CpMdPi



(b) CpMdPi

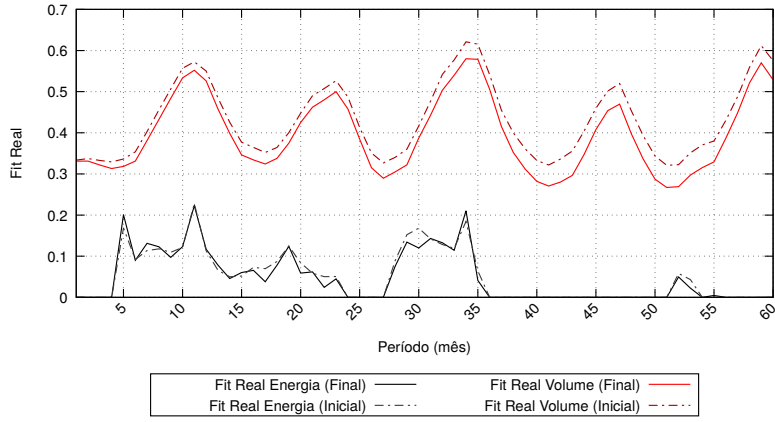


(a) CpMiPd



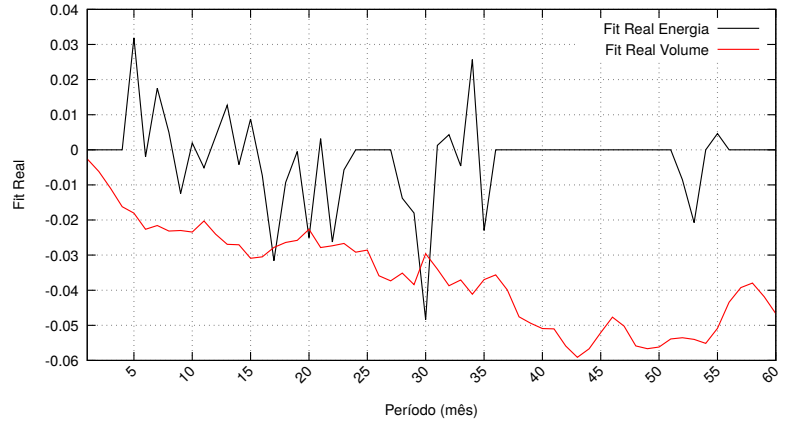
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



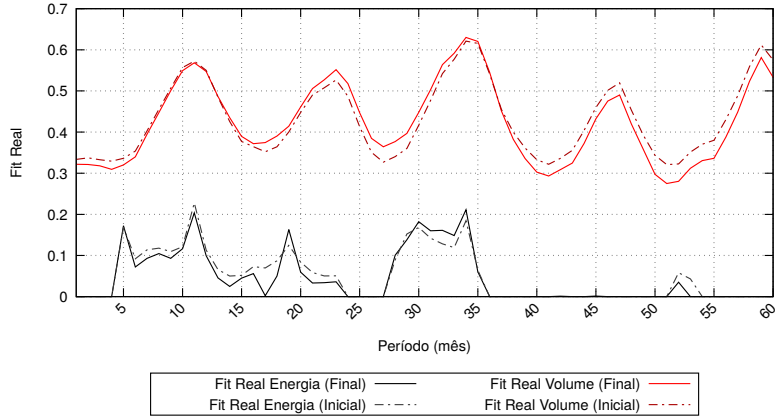
(a) CpMiPi

CpMiPi - Real Fit - Diferença



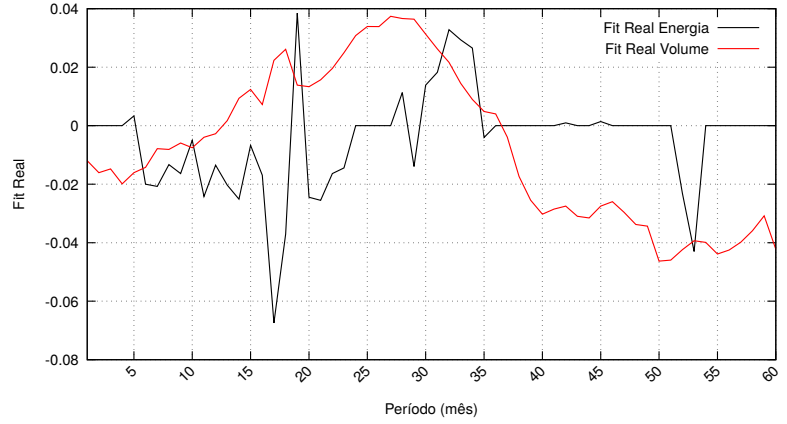
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



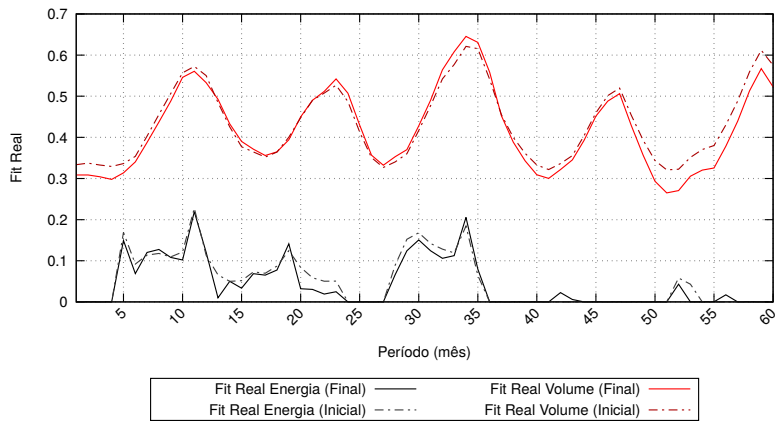
(a) SpPd

SpPd - Real Fit - Diferença



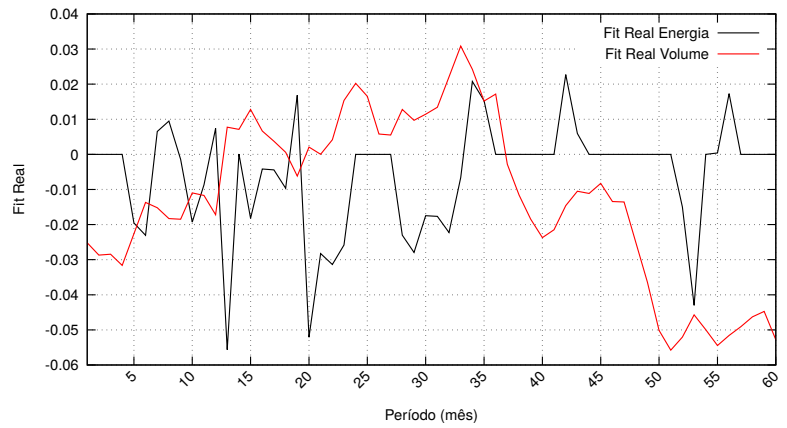
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

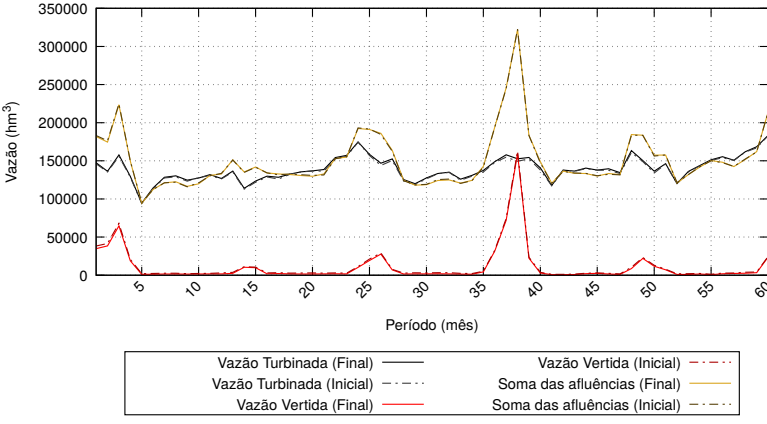
SpPi - Real Fit - Diferença



(b) SpPi

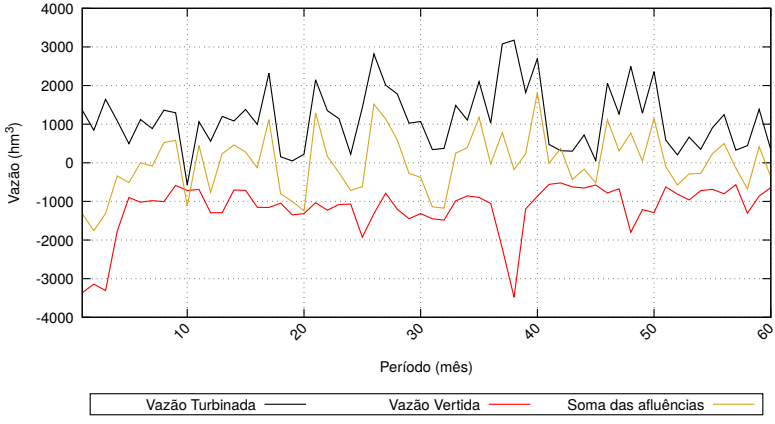
4.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



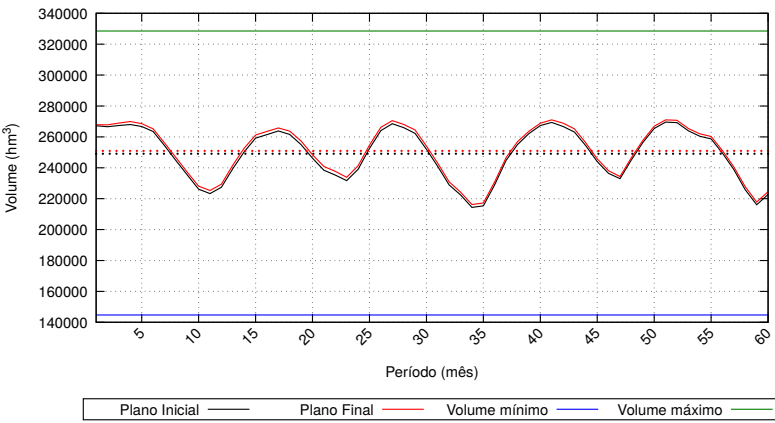
(a) CpMdPd

CpMdPd - Vazão - Diferença



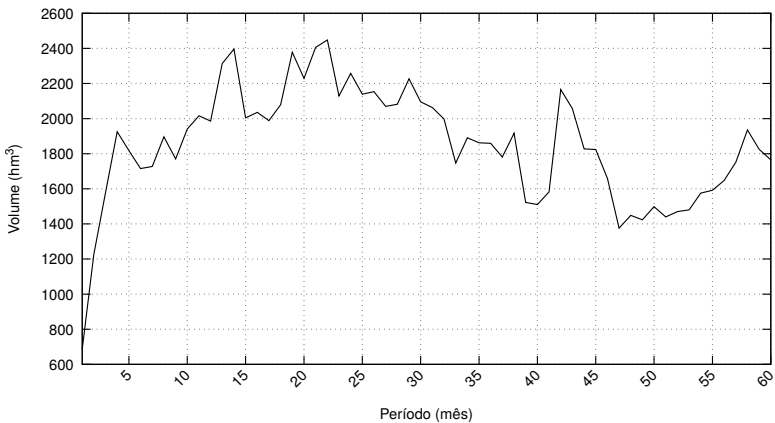
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



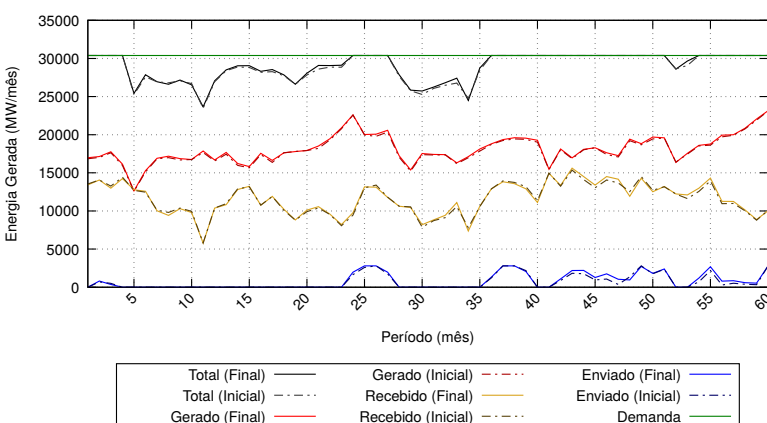
(a) CpMdPd

CpMdPd - Volume - Diferença



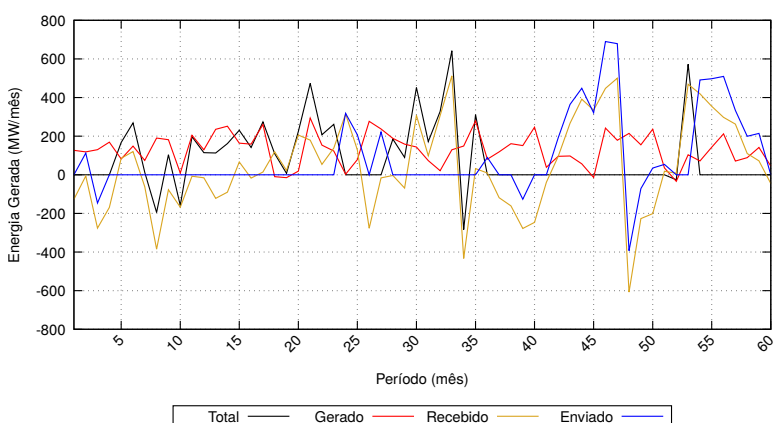
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

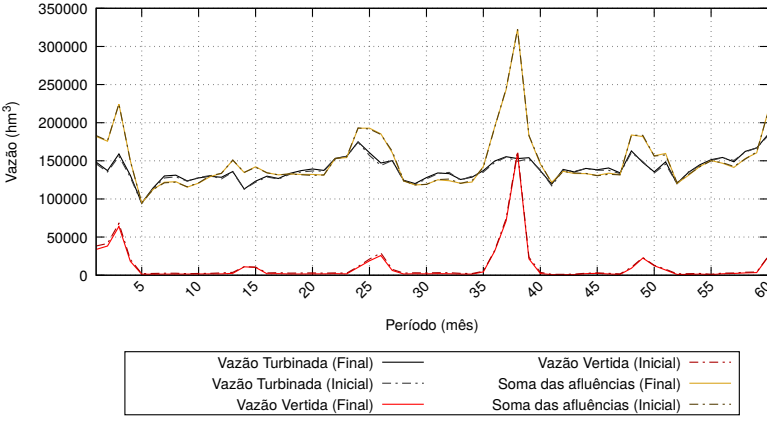
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

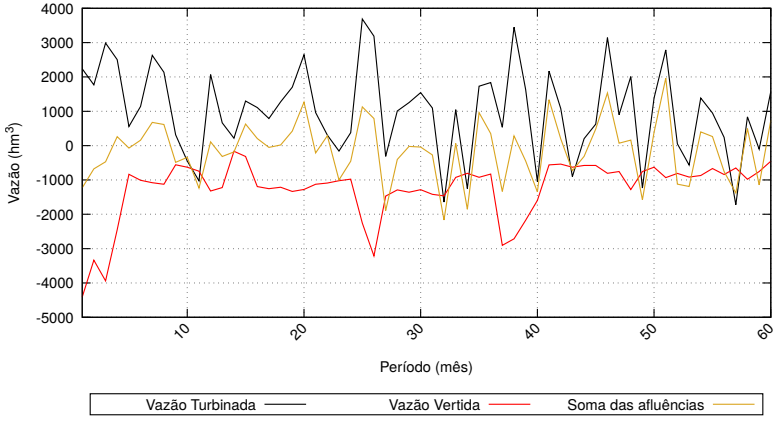
4.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



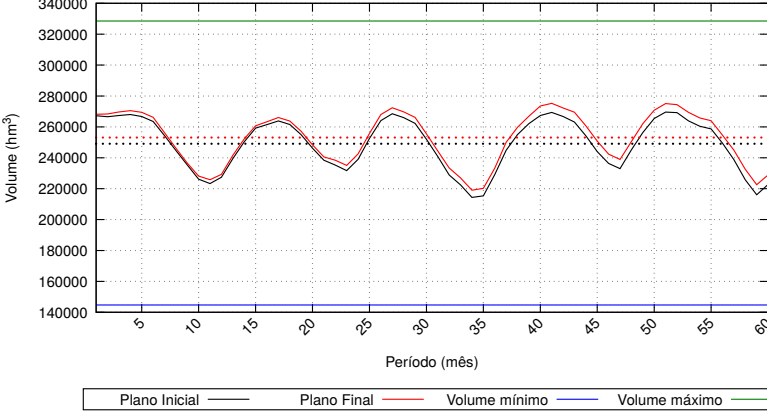
(a) CpMdPi

CpMdPi - Vazão - Diferença



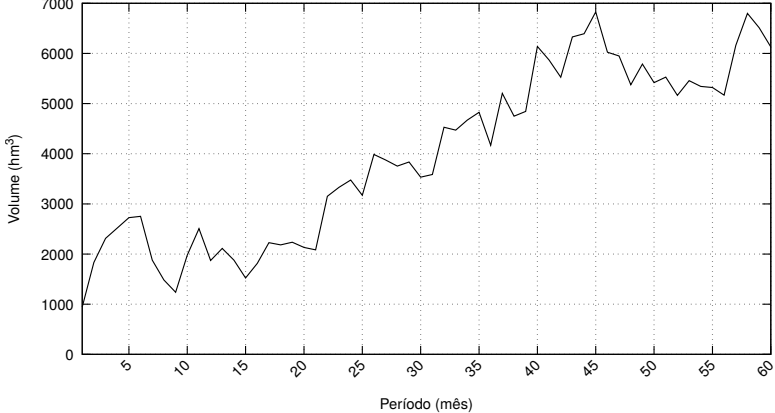
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



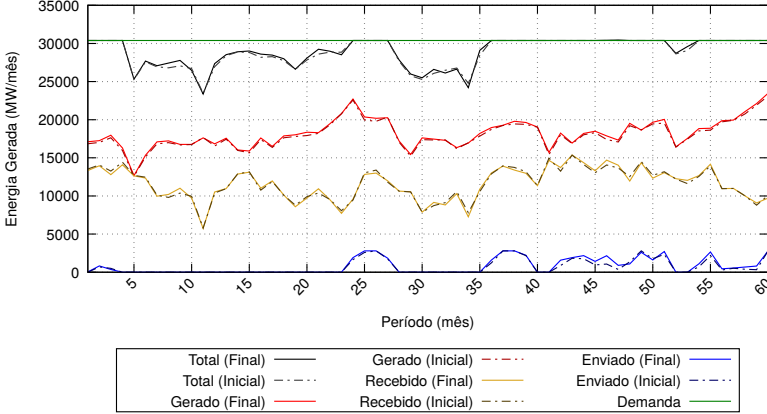
(a) CpMdPi

CpMdPi - Volume - Diferença



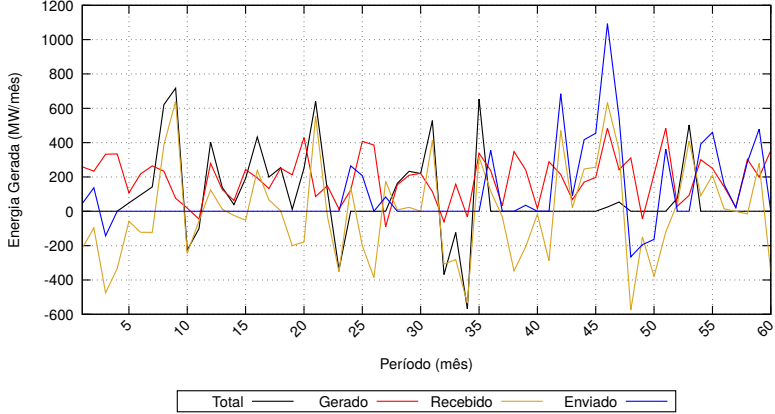
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

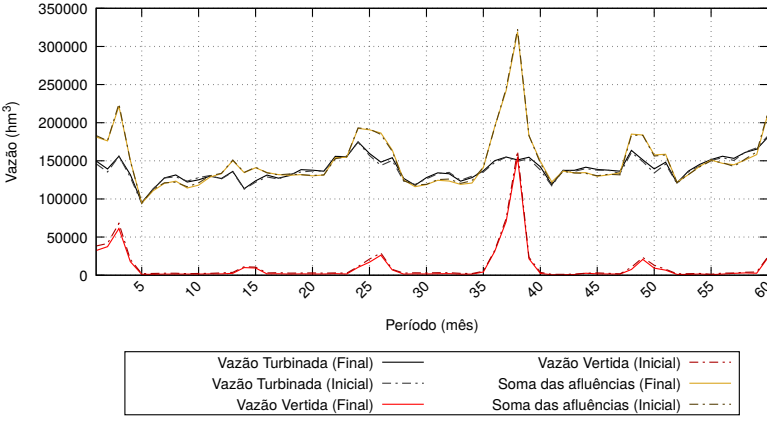
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

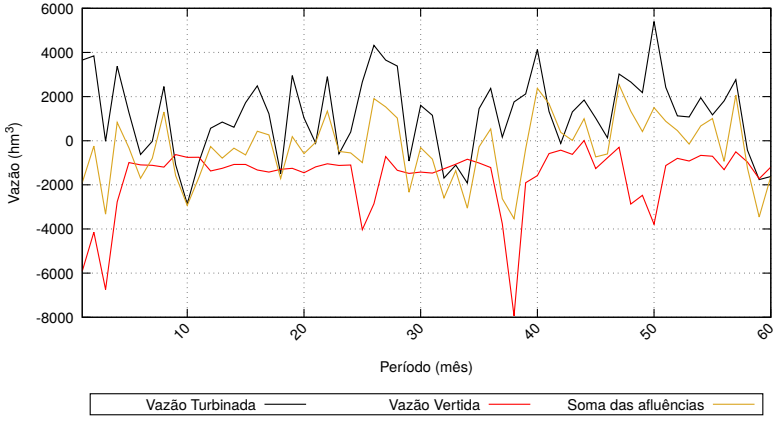
4.6 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



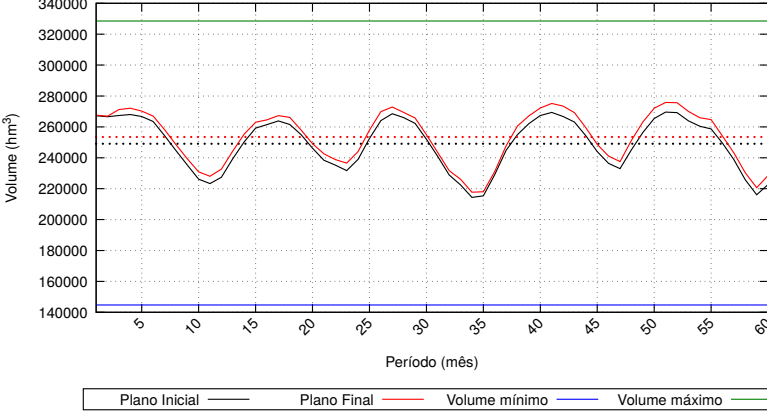
(a) CpMiPd

CpMiPd - Vazão - Diferença



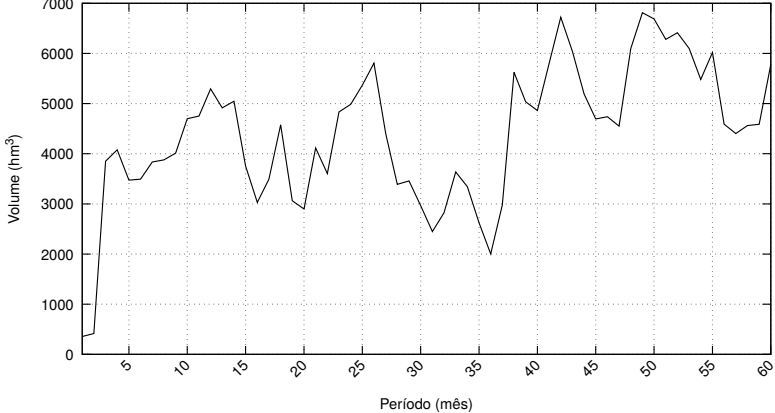
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



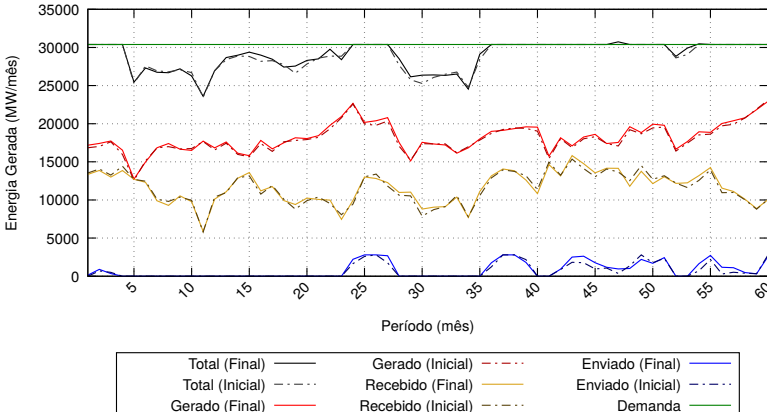
(a) CpMiPd

CpMiPd - Volume - Diferença



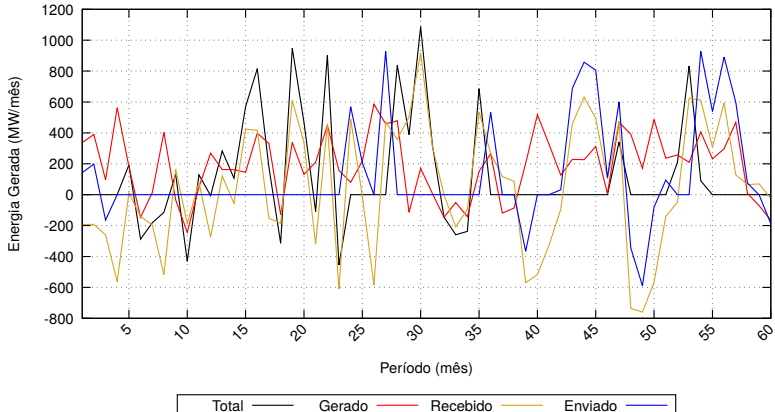
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



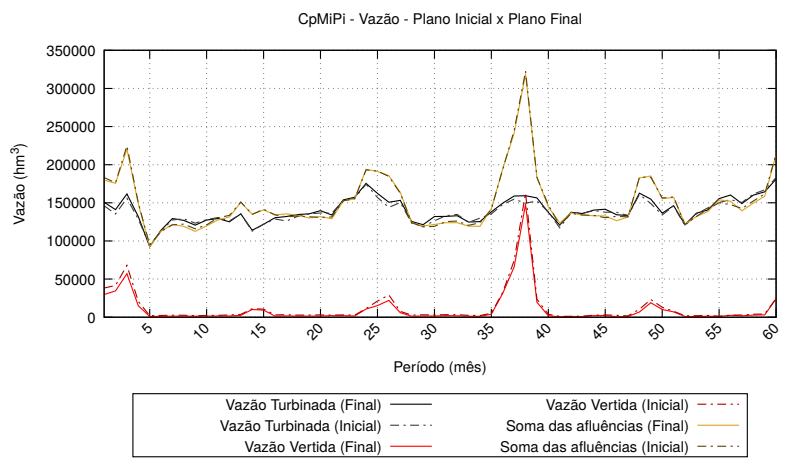
(a) CpMiPd

CpMiPd - Energia Gerada - Diferença

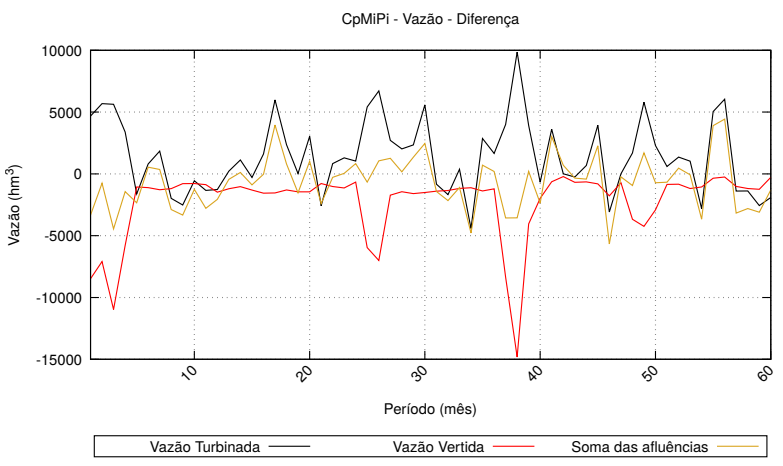


(b) CpMiPd

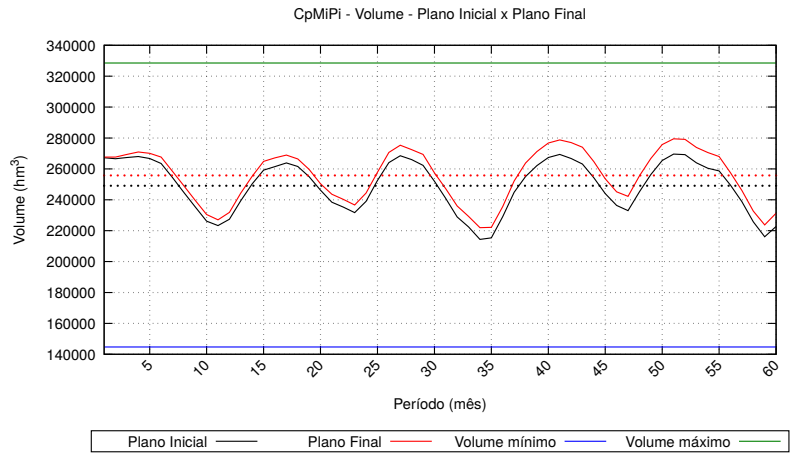
4.7 Resultados - CpMiPi



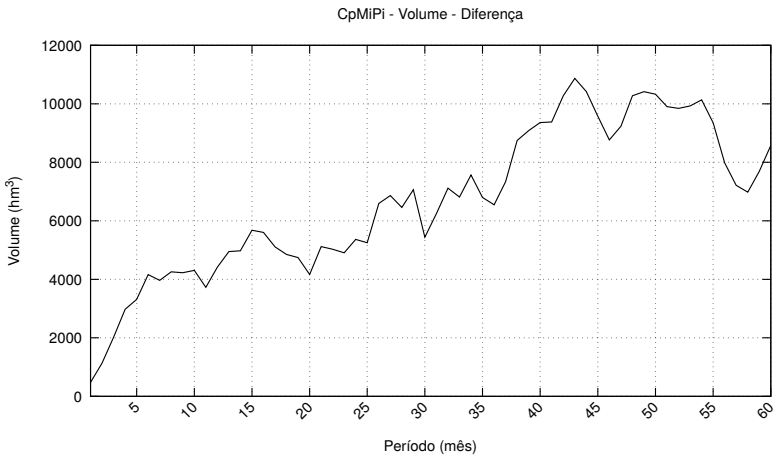
(a) CpMiPi



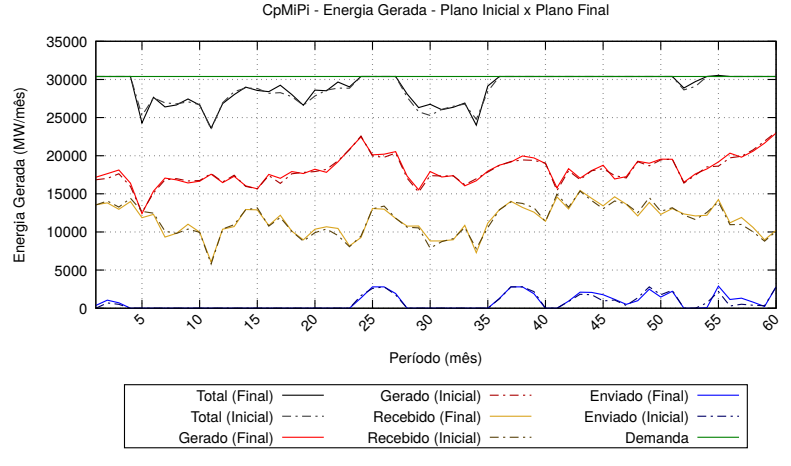
(b) CpMiPi



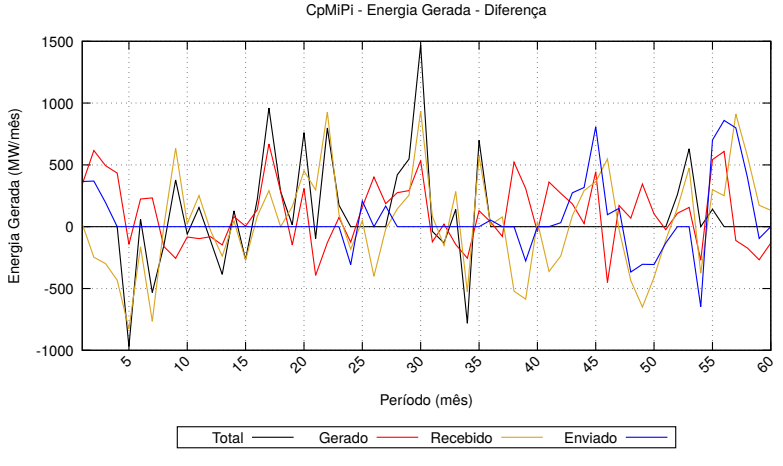
(a) CpMiPi



(b) CpMiPi



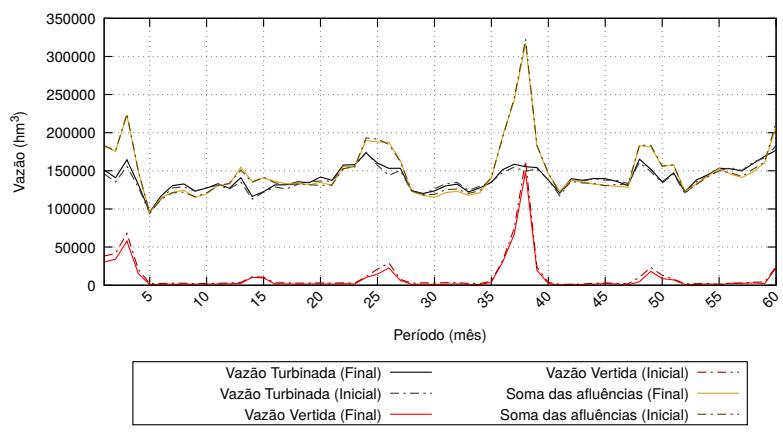
(a) CpMiPi



(b) CpMiPi

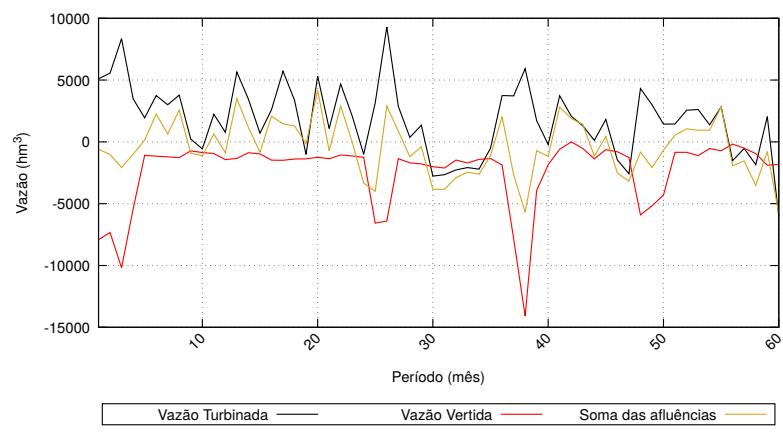
4.8 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



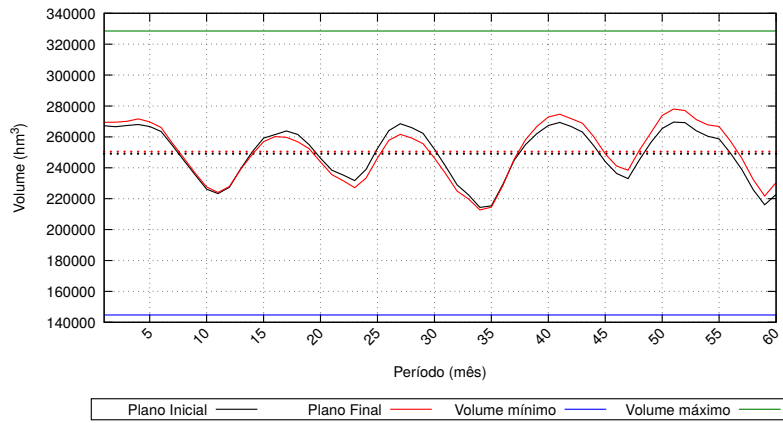
(a) SpPd

SpPd - Vazão - Diferença



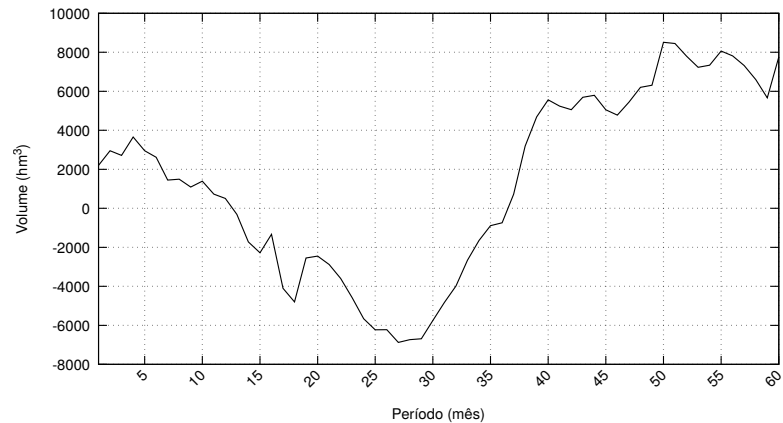
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



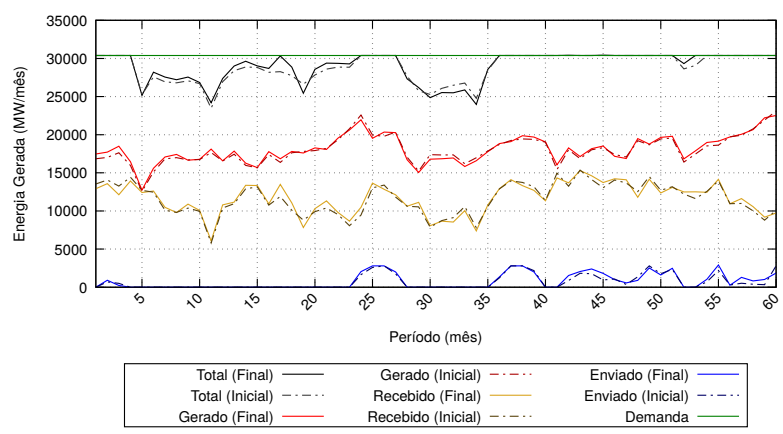
(a) SpPd

SpPd - Volume - Diferença



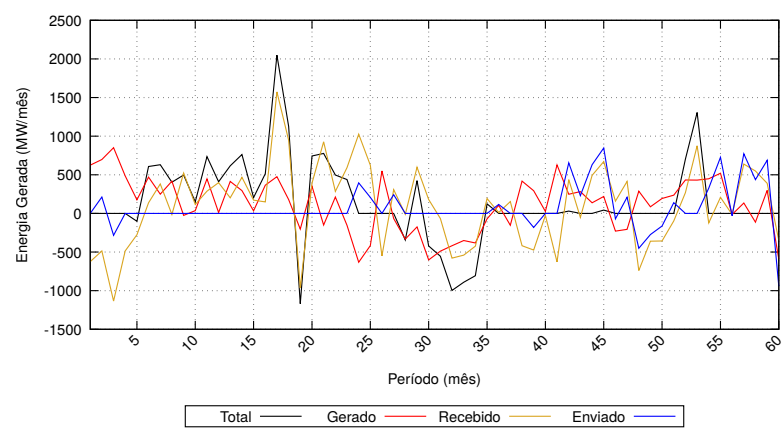
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



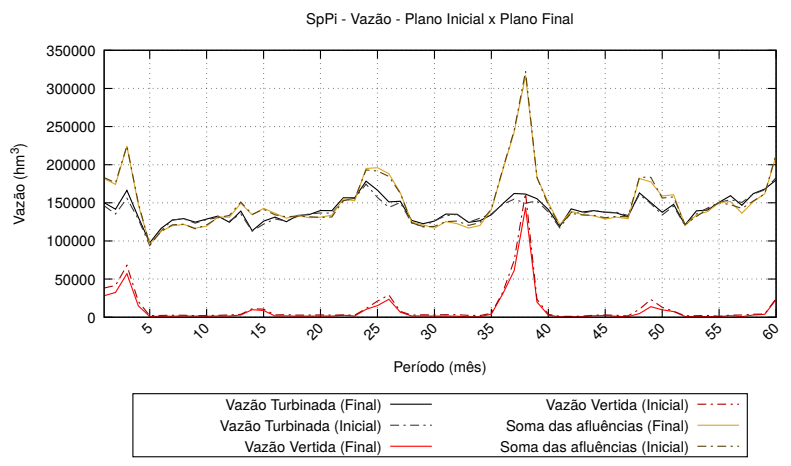
(a) SpPd

SpPd - Energia Gerada - Diferença

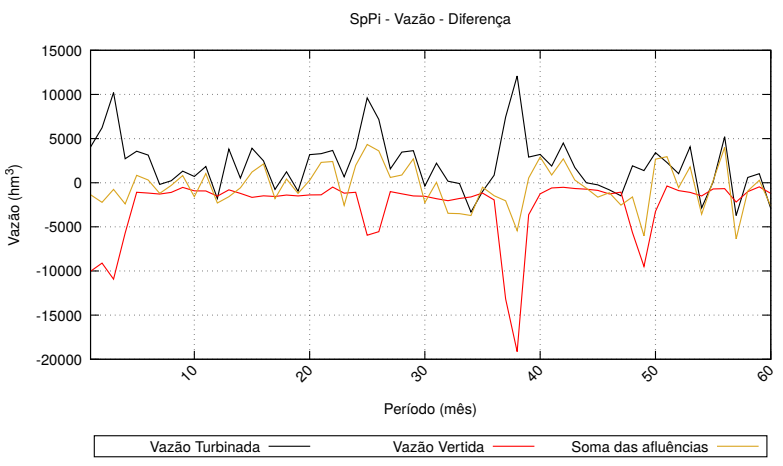


(b) SpPd

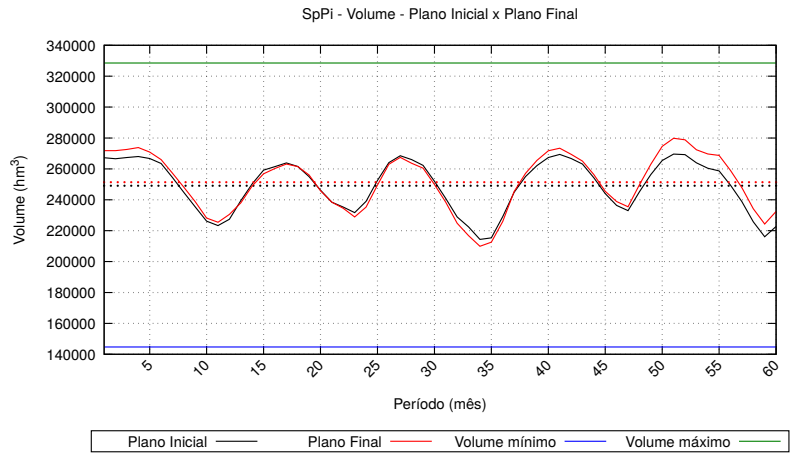
4.9 Resultados - SpPi



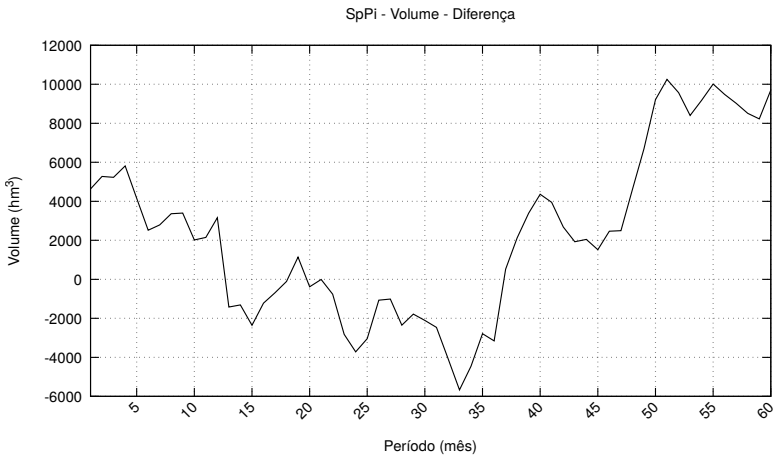
(a) SpPi



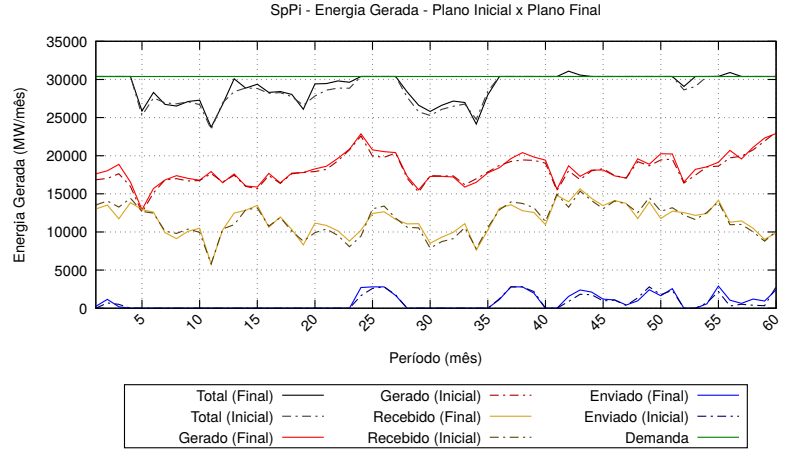
(b) SpPi



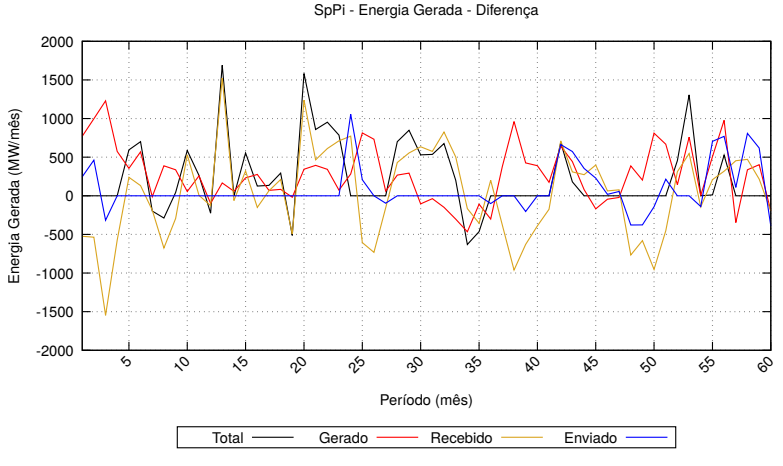
(a) SpPi



(b) SpPi



(a) SpPi

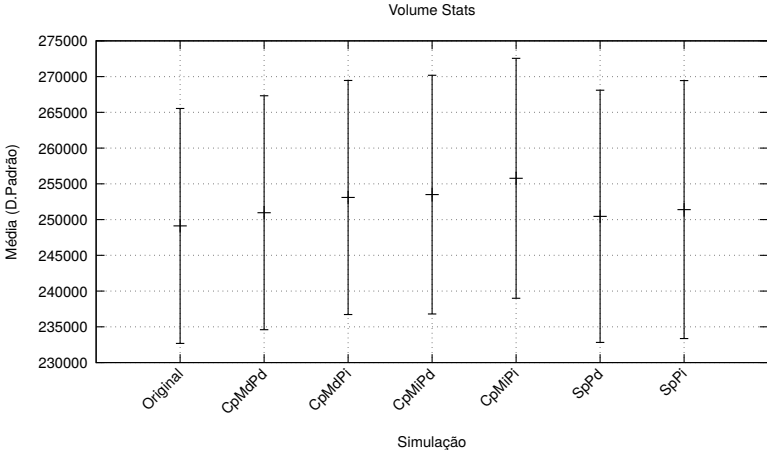


(b) SpPi

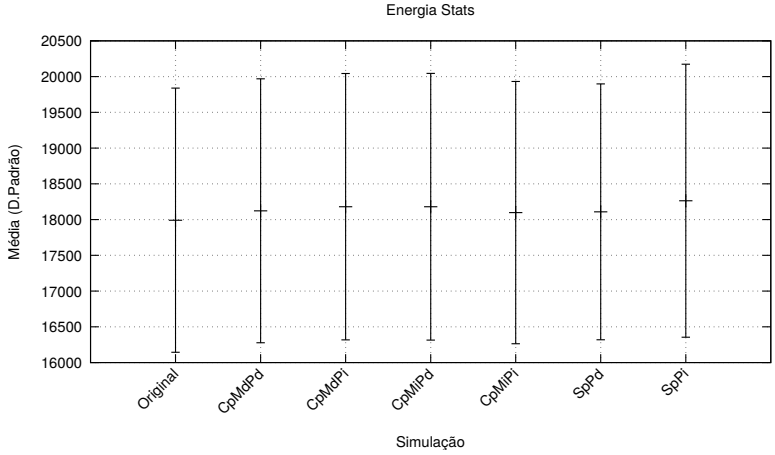
4.10 GPlan Stats

Tabela 9: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	249111.26139	16437.59337	17991.35317	1847.22468
CpMdPd	250964.84044	16362.67178	18122.63663	1845.83073
CpMdPi	253088.23915	16365.96091	18180.31198	1863.60200
CpMiPd	253490.71273	16691.29458	18180.24294	1865.25864
CpMiPi	255776.21955	16782.82868	18096.79736	1834.34378
SpPd	250453.00410	17635.94546	18107.85874	1789.42046
SpPi	251398.88161	18039.63099	18263.90802	1909.70674



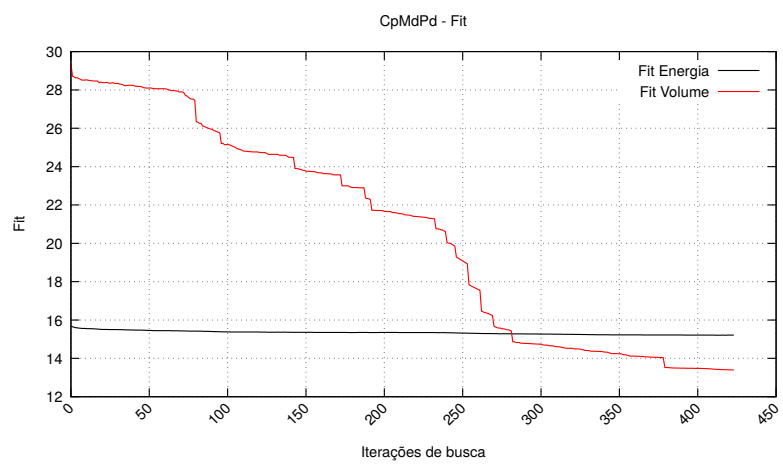
(a) Volume



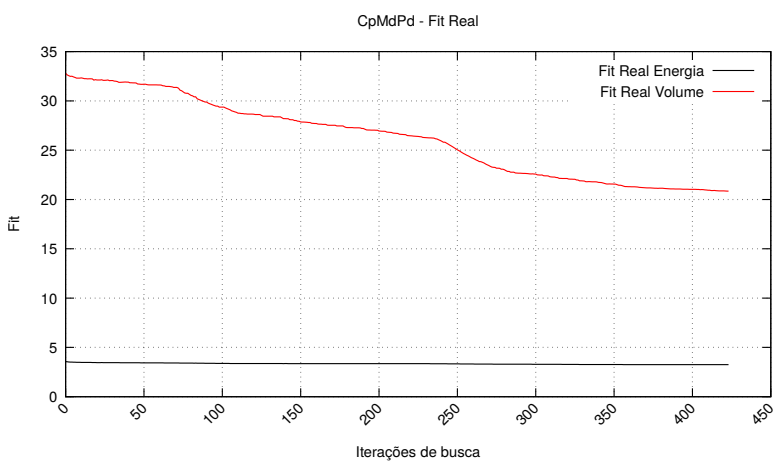
(b) Energia

5 SubSistema 2

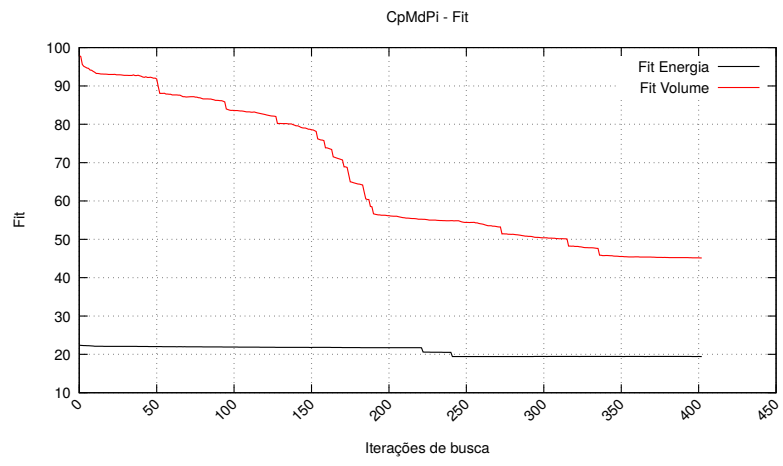
5.1 Fit/RealFit



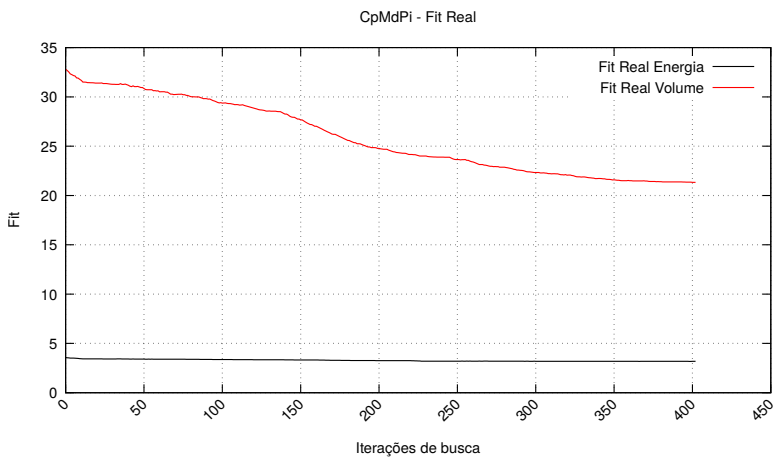
(a) CpMdPd



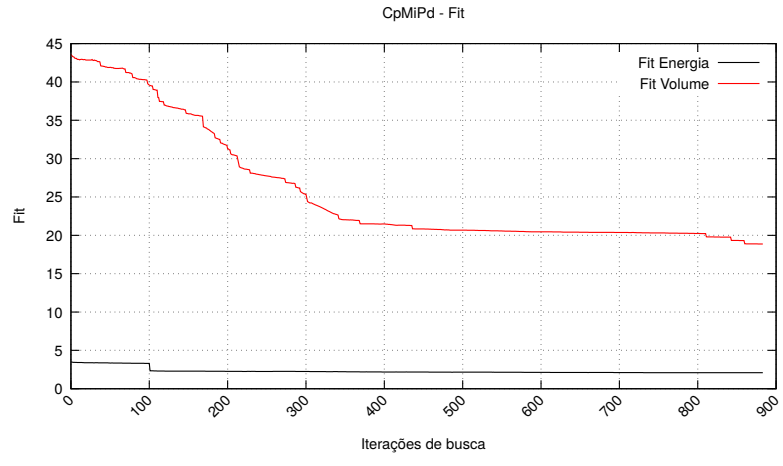
(b) CpMdPd



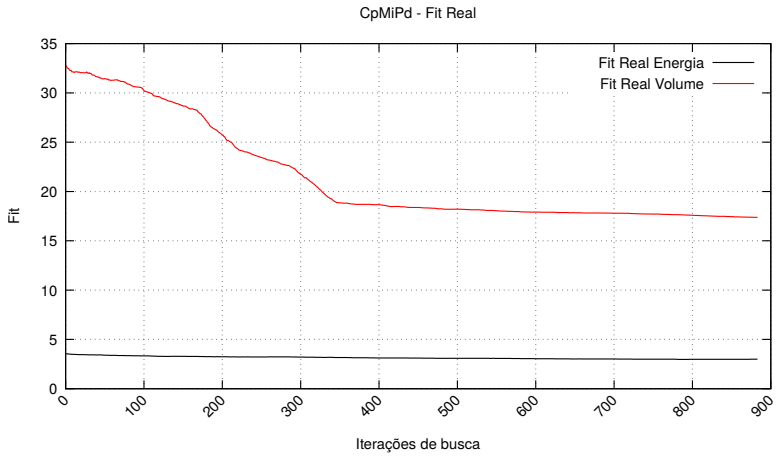
(a) CpMdPi



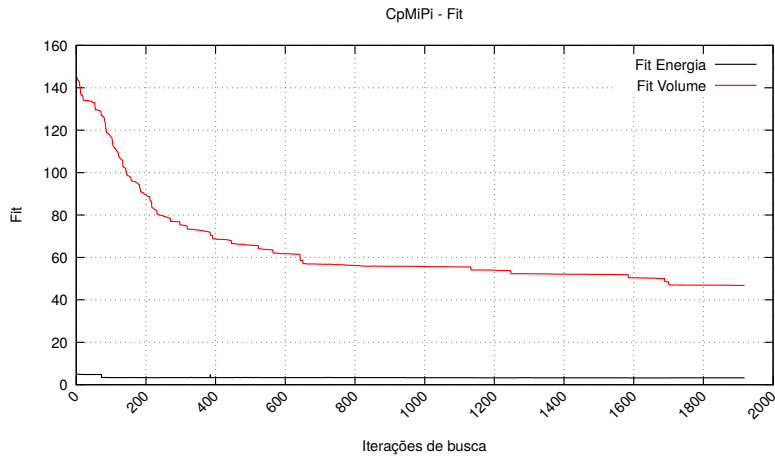
(b) CpMdPi



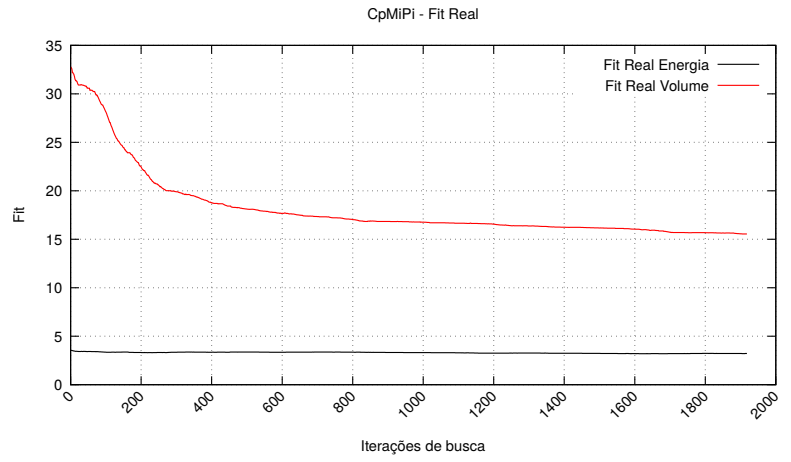
(a) CpMiPd



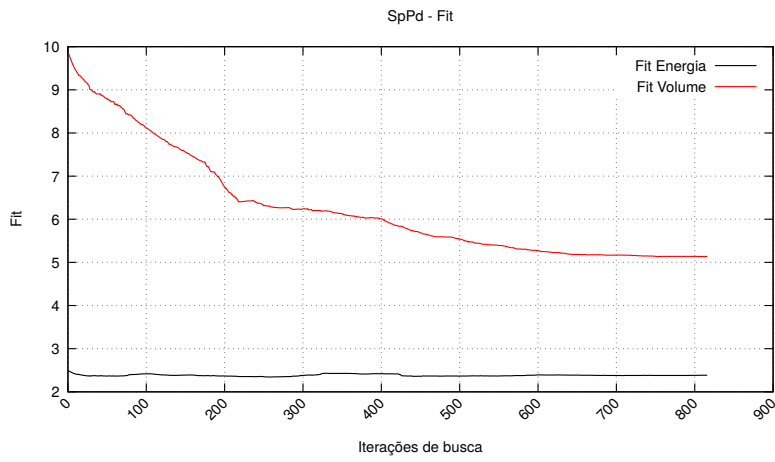
(b) CpMiPd



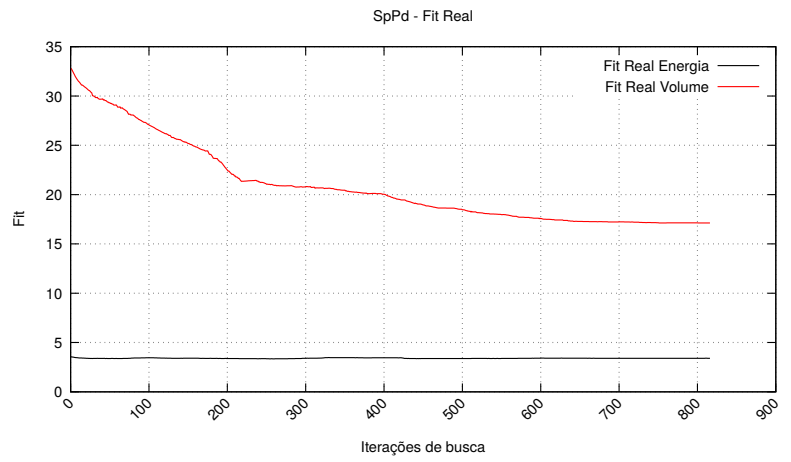
(a) CpMiPi



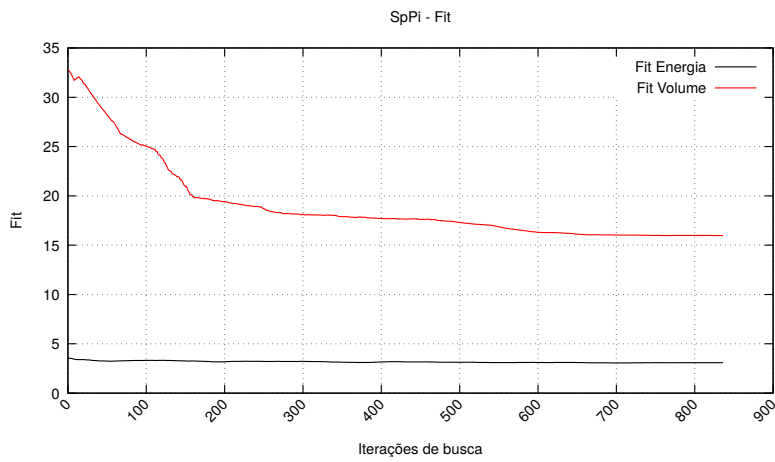
(b) CpMiPi



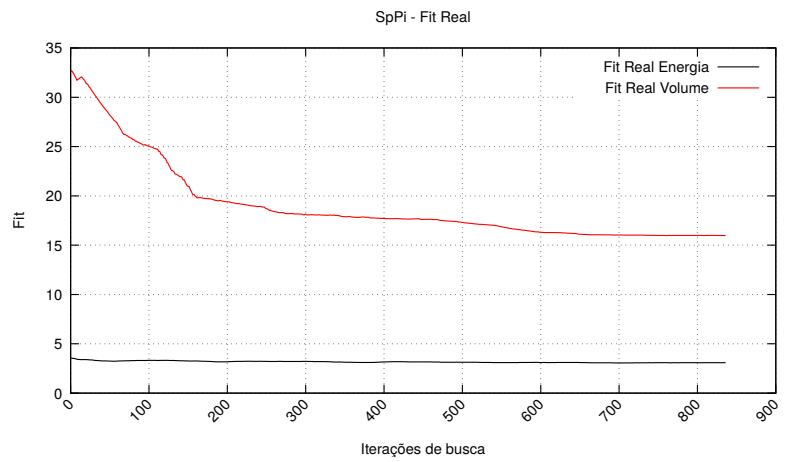
(a) SpPd



(b) SpPd



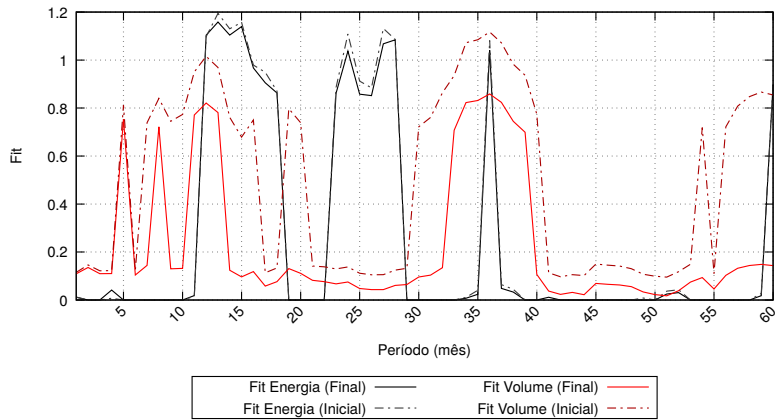
(a) SpPi



(b) SpPi

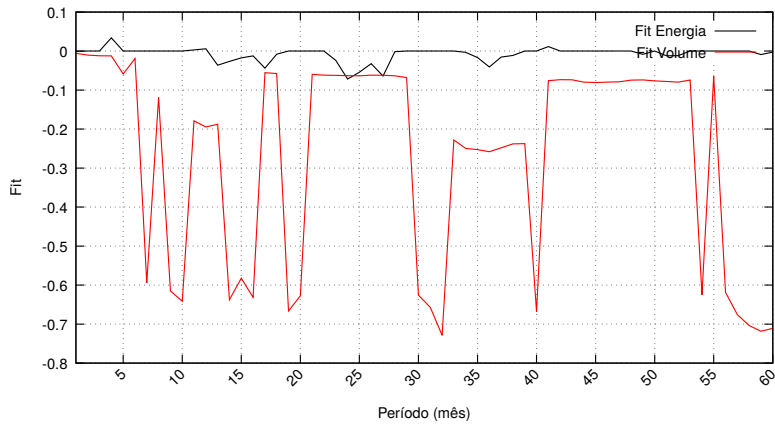
5.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



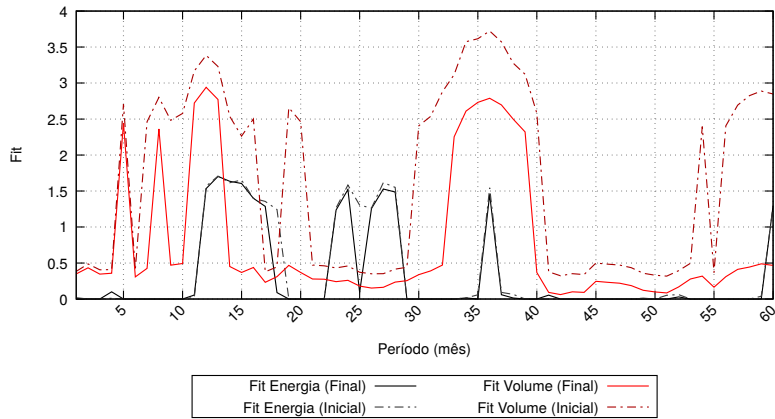
(a) CpMdPd

CpMdPd - Fit - Diferença



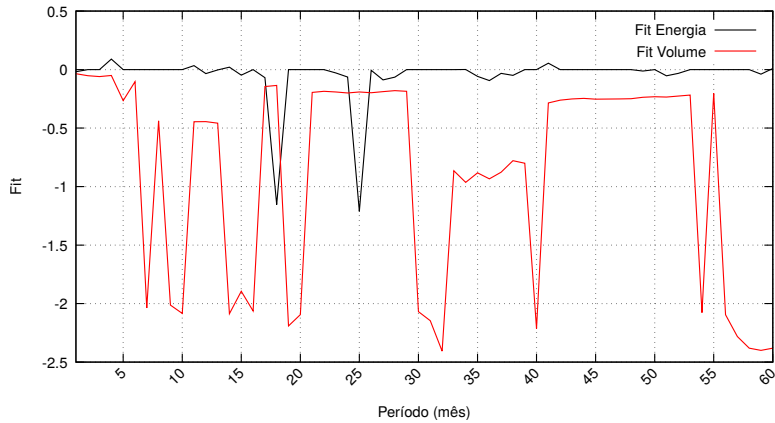
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



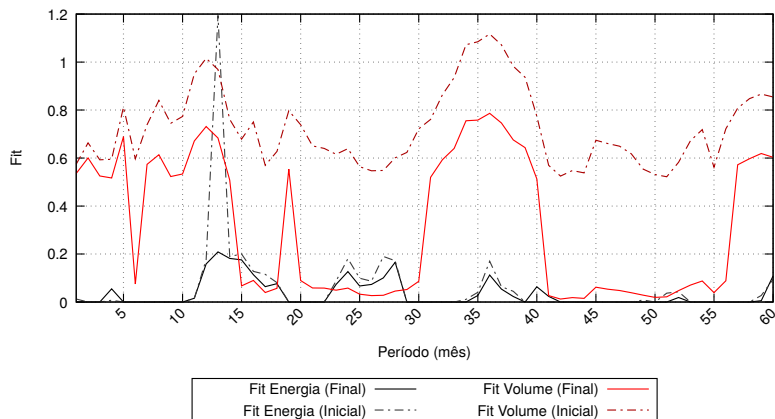
(a) CpMdPi

CpMdPi - Fit - Diferença



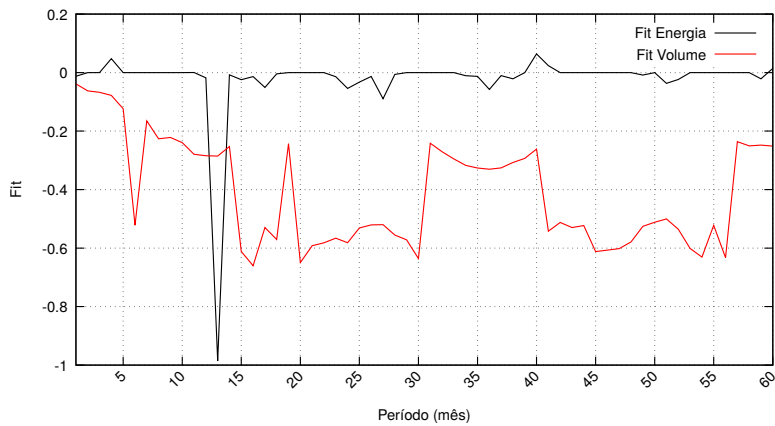
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



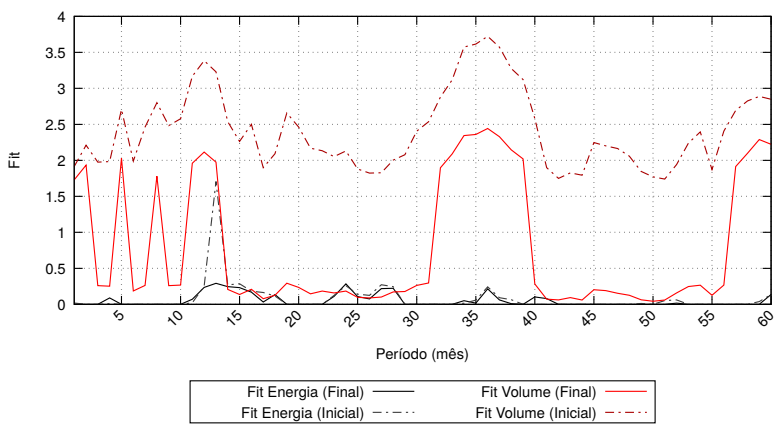
(a) CpMiPd

CpMiPd - Fit - Diferença



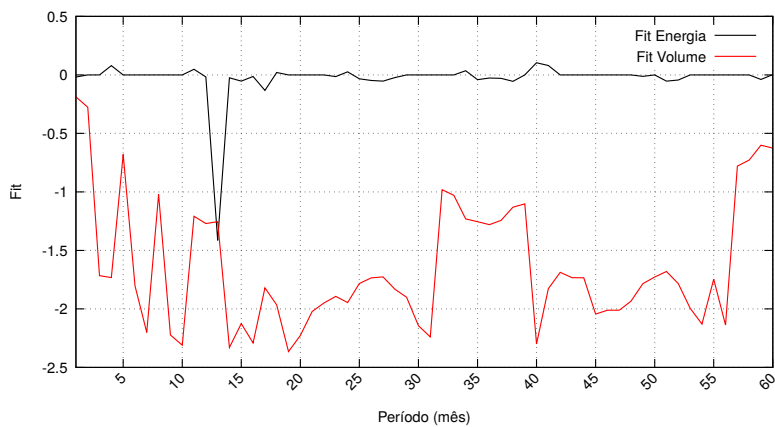
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



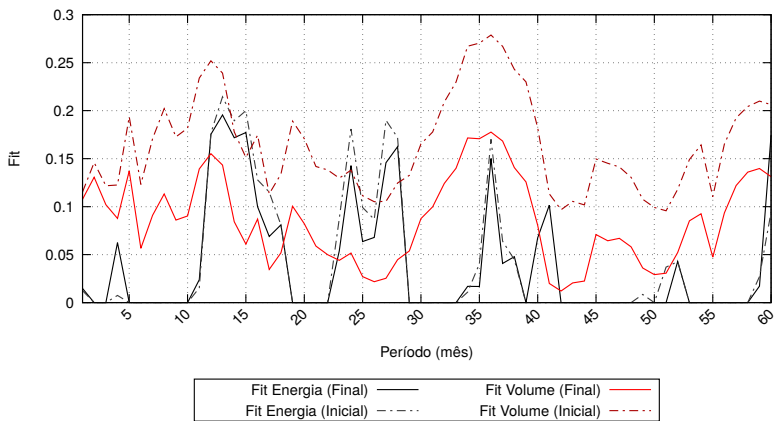
(a) CpMiPi

CpMiPi - Fit - Diferença



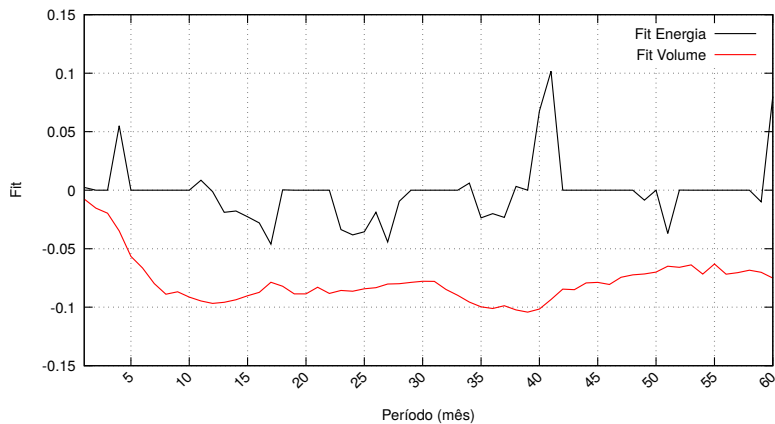
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



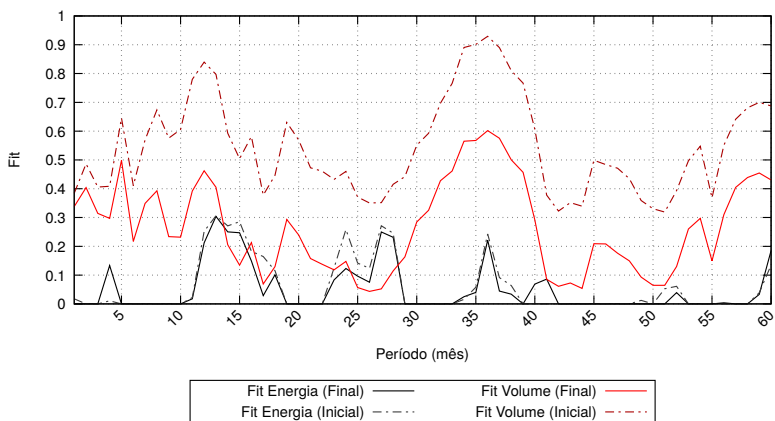
(a) SpPd

SpPd - Fit - Diferença



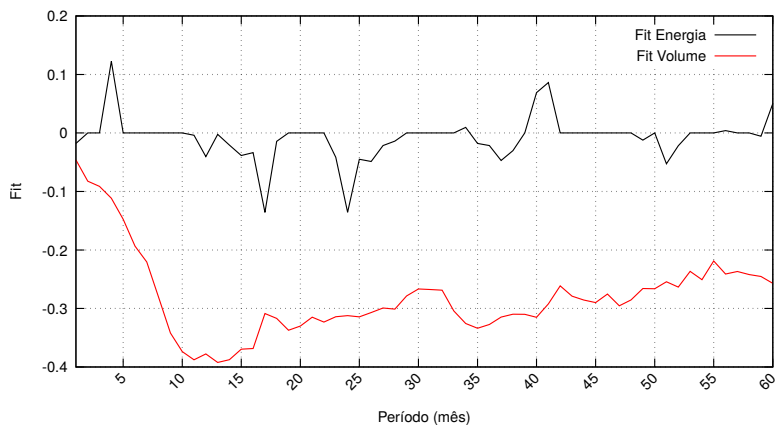
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



(a) SpPi

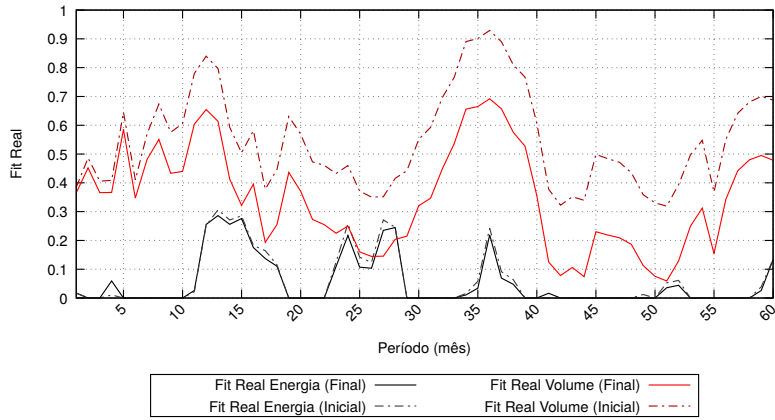
SpPi - Fit - Diferença



(b) SpPi

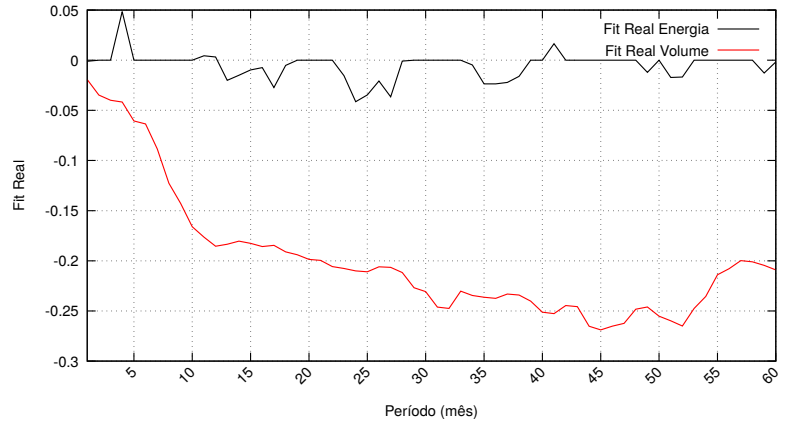
5.3 Energia/Volume RealFit

CpMdPd - Real Fit - Plano Inicial x Plano Final



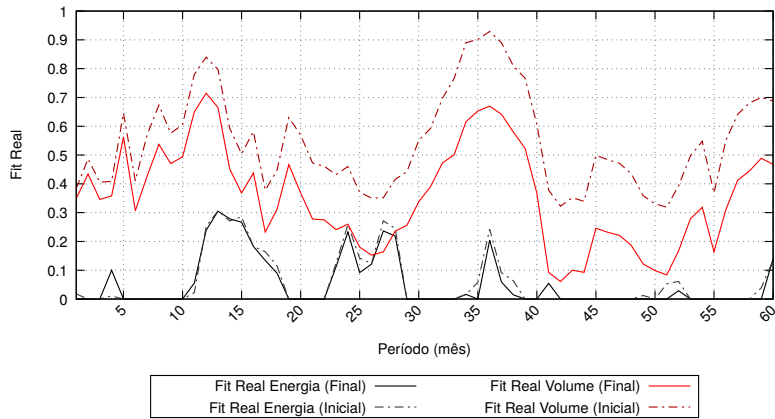
(a) CpMdPd

CpMdPd - Real Fit - Diferença



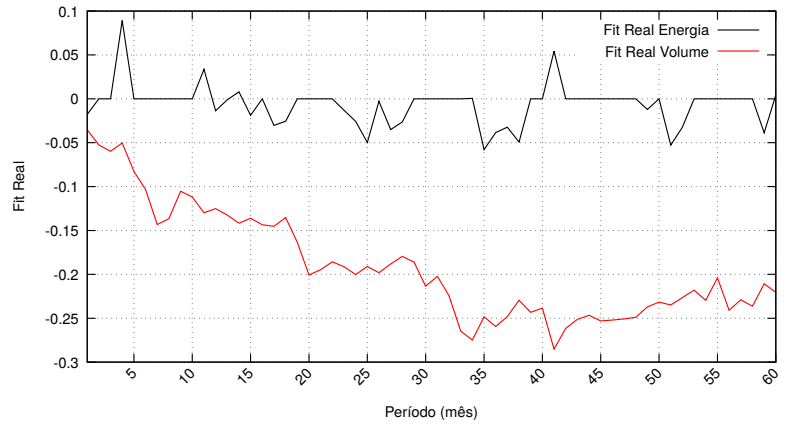
(b) CpMdPd

CpMdPi - Real Fit - Plano Inicial x Plano Final



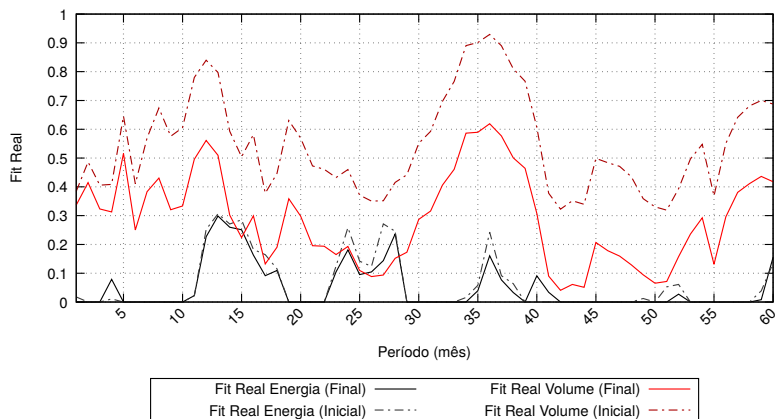
(a) CpMdPi

CpMdPi - Real Fit - Diferença



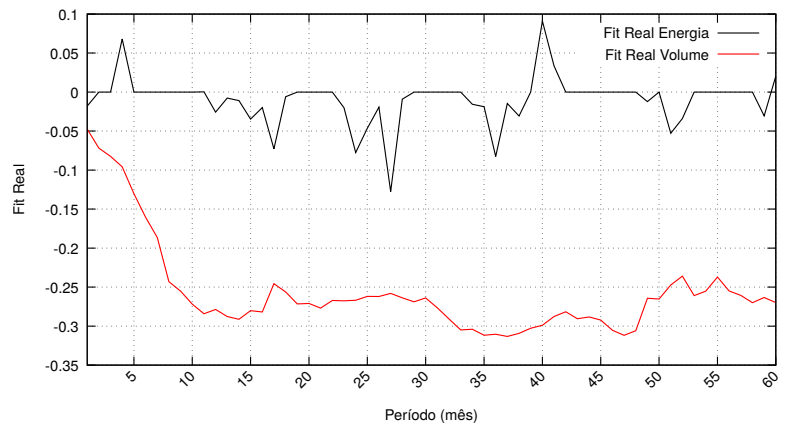
(b) CpMdPi

CpMiPd - Real Fit - Plano Inicial x Plano Final



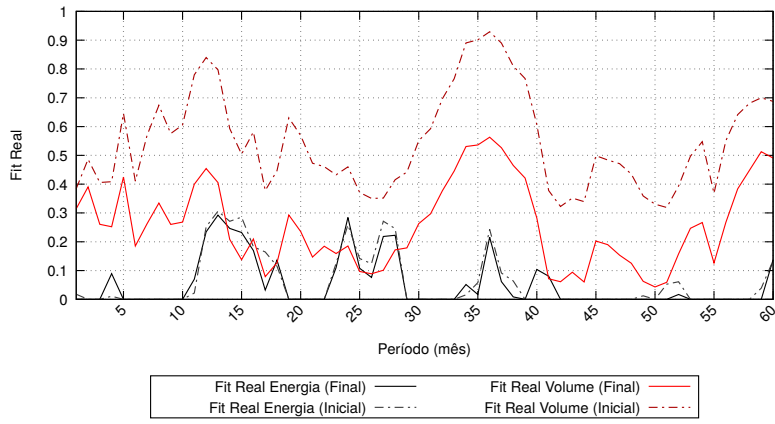
(a) CpMiPd

CpMiPd - Real Fit - Diferença



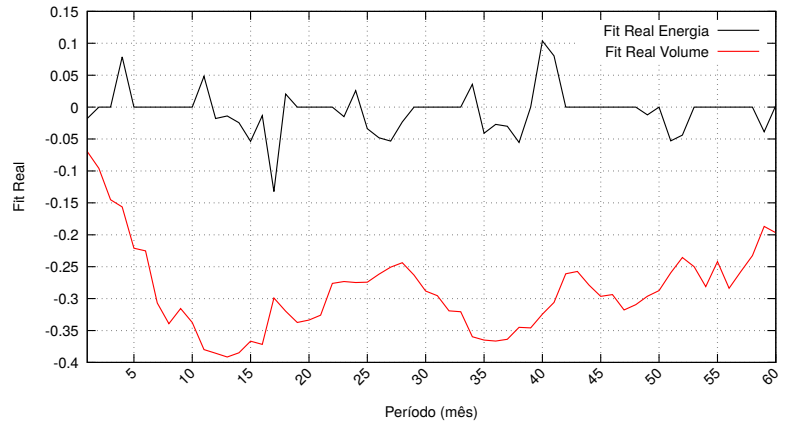
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



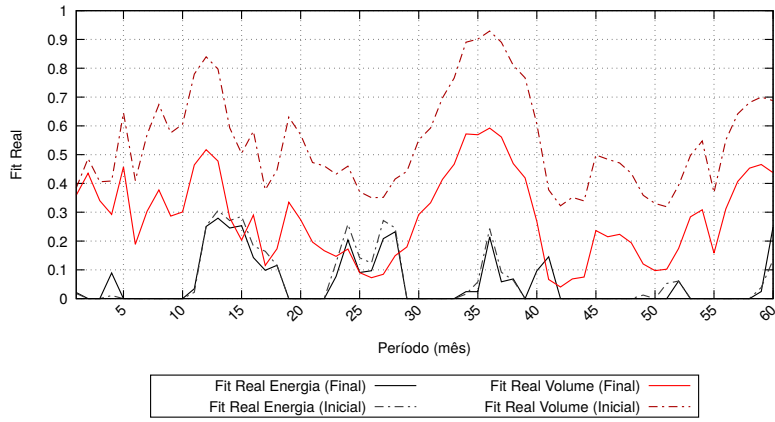
(a) CpMiPi

CpMiPi - Real Fit - Diferença



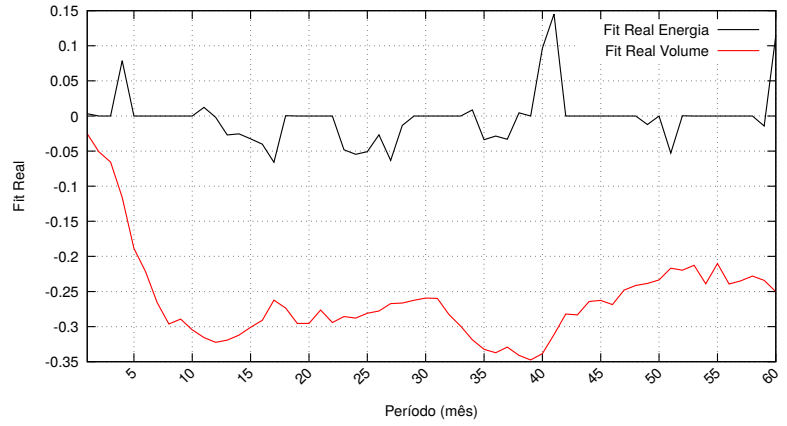
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



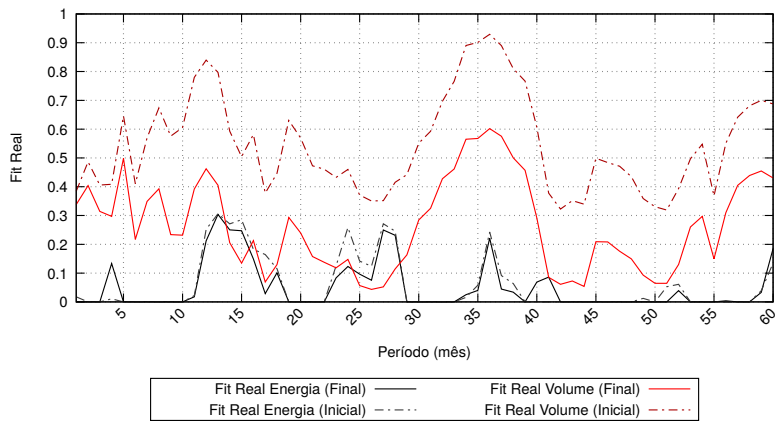
(a) SpPd

SpPd - Real Fit - Diferença



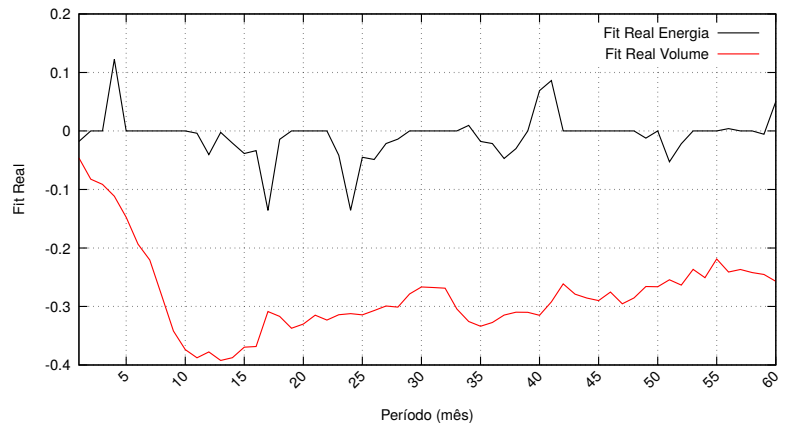
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

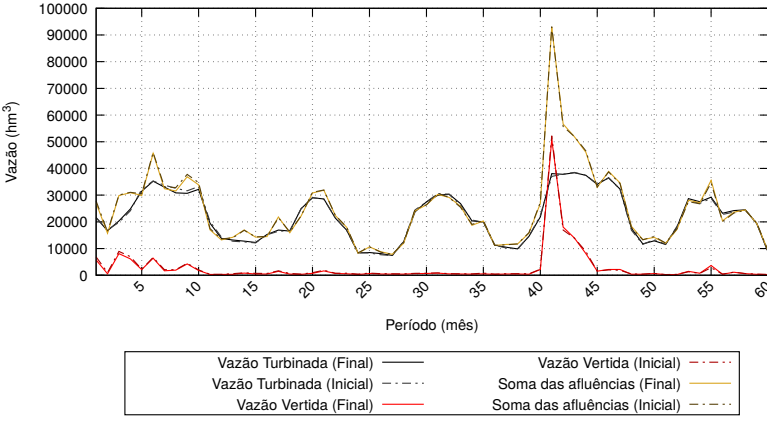
SpPi - Real Fit - Diferença



(b) SpPi

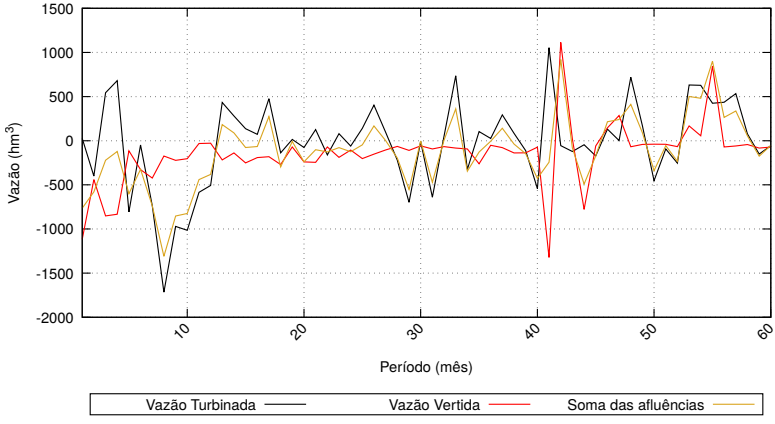
5.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



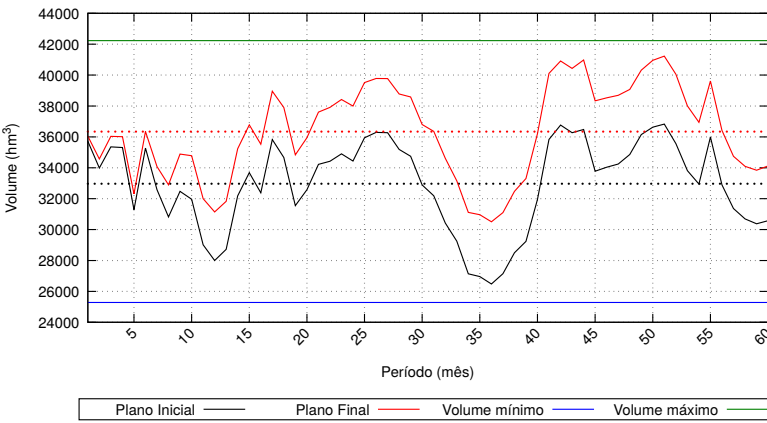
(a) CpMdPd

CpMdPd - Vazão - Diferença



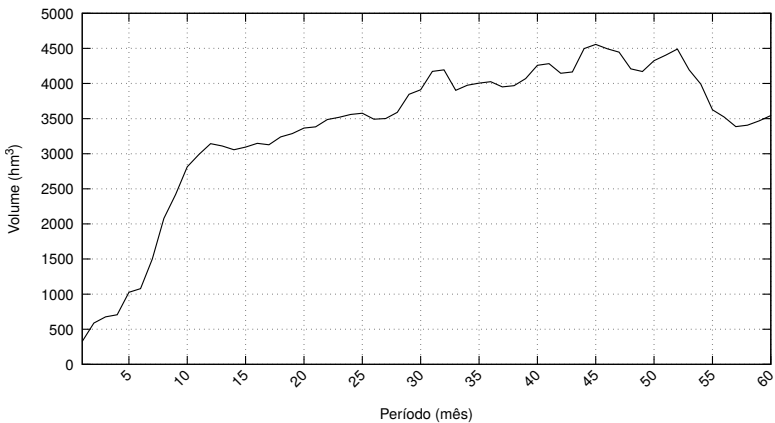
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



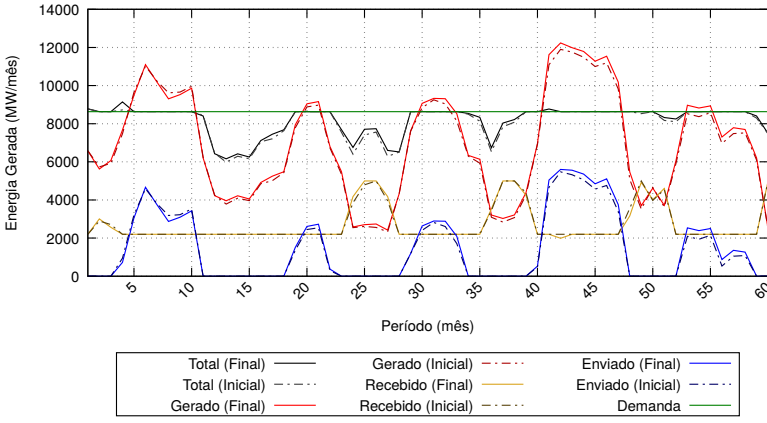
(a) CpMdPd

CpMdPd - Volume - Diferença



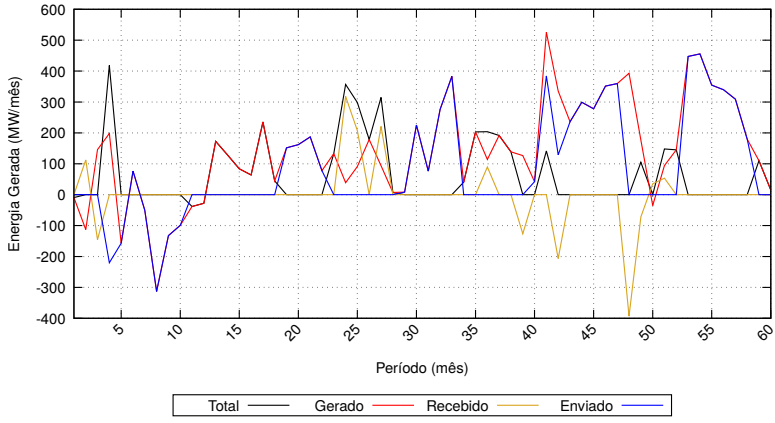
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

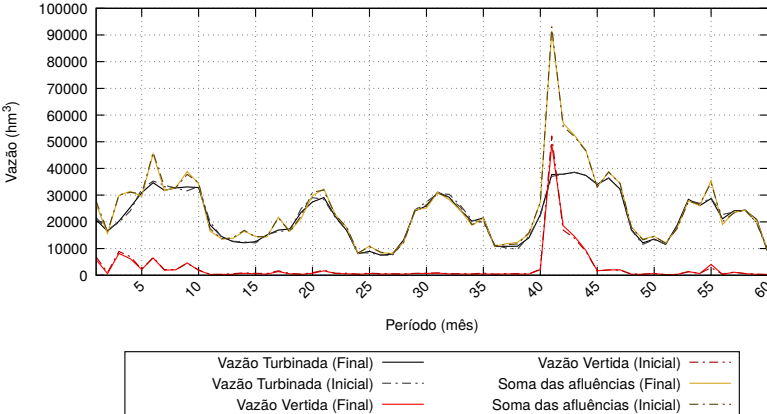
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

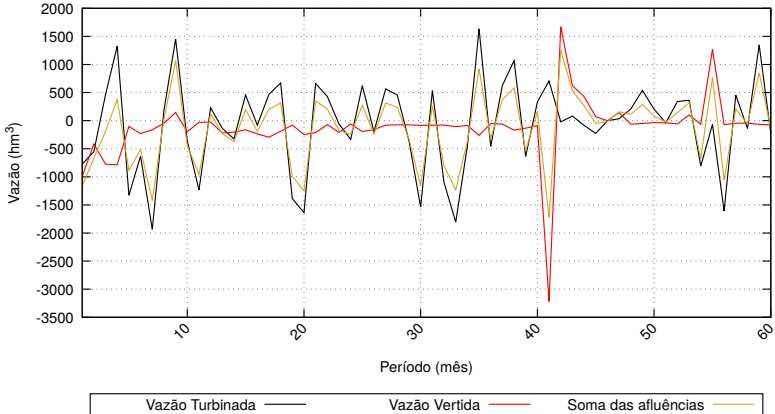
5.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



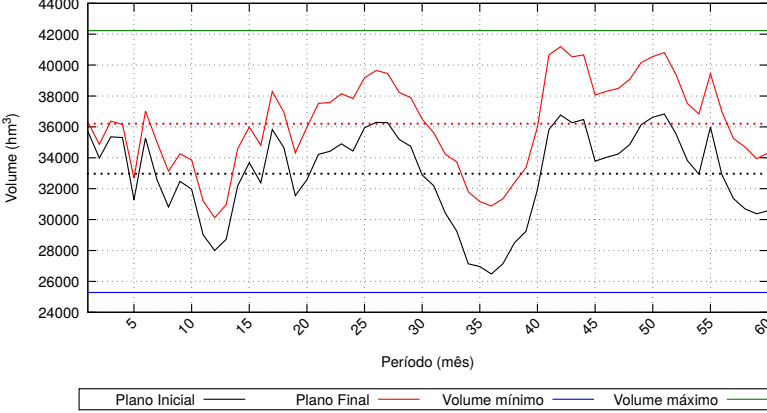
(a) CpMdPi

CpMdPi - Vazão - Diferença



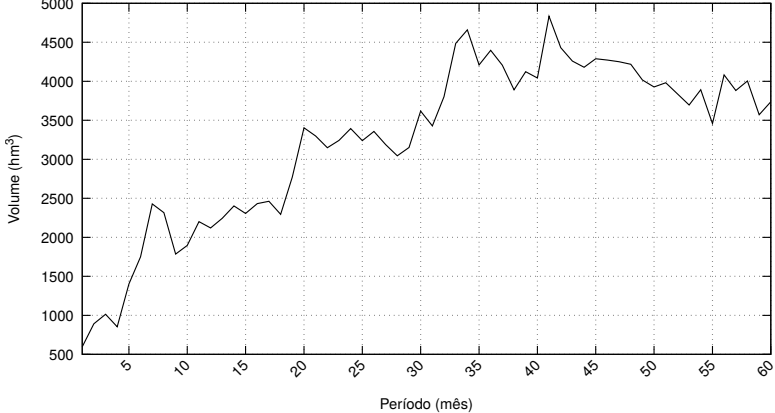
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



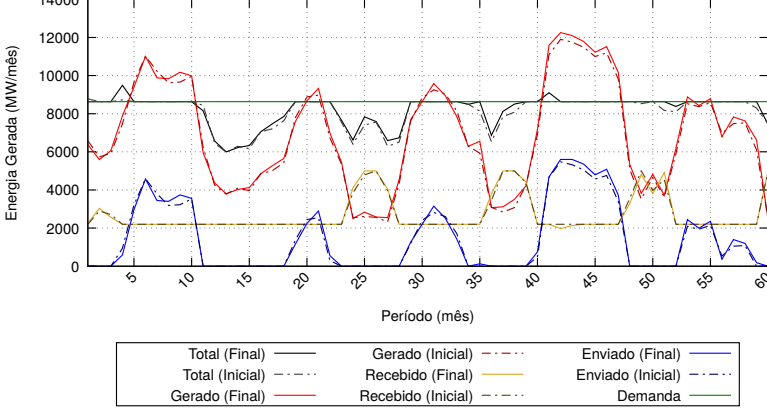
(a) CpMdPi

CpMdPi - Volume - Diferença



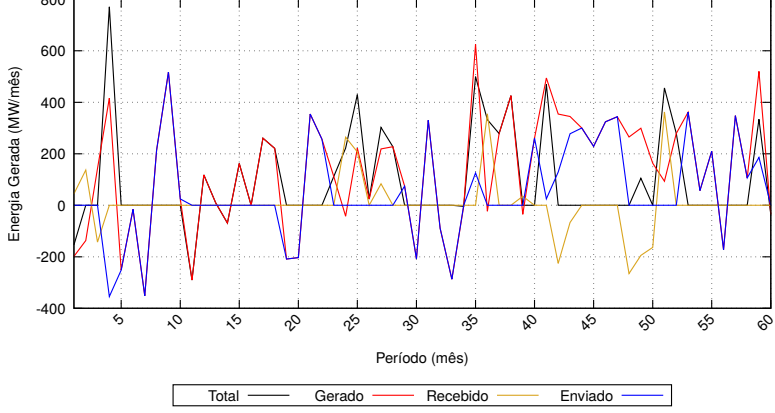
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

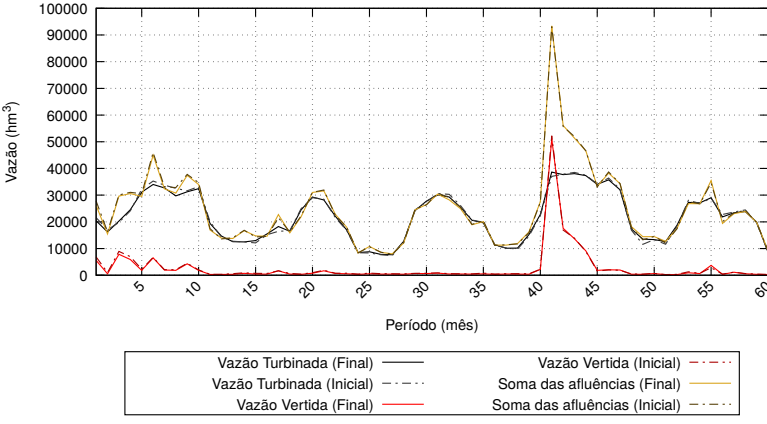
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

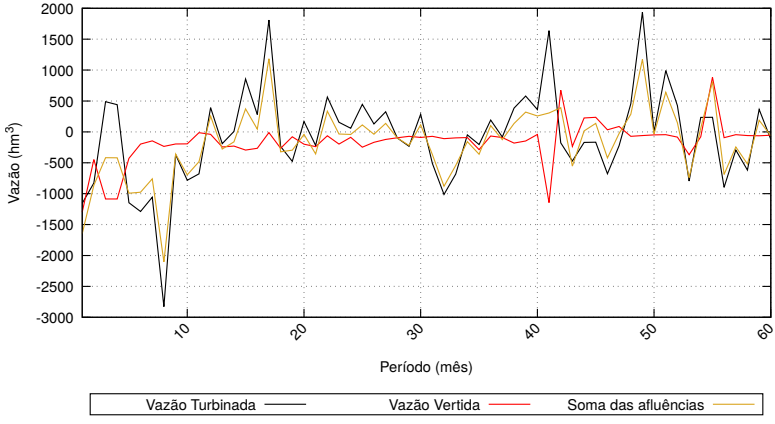
5.6 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



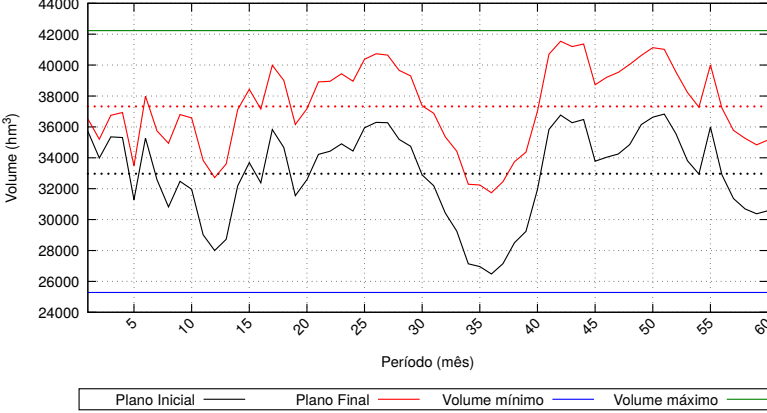
(a) CpMiPd

CpMiPd - Vazão - Diferença



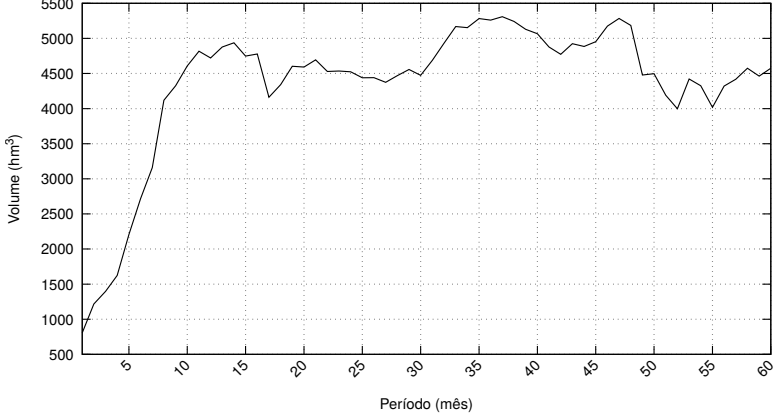
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



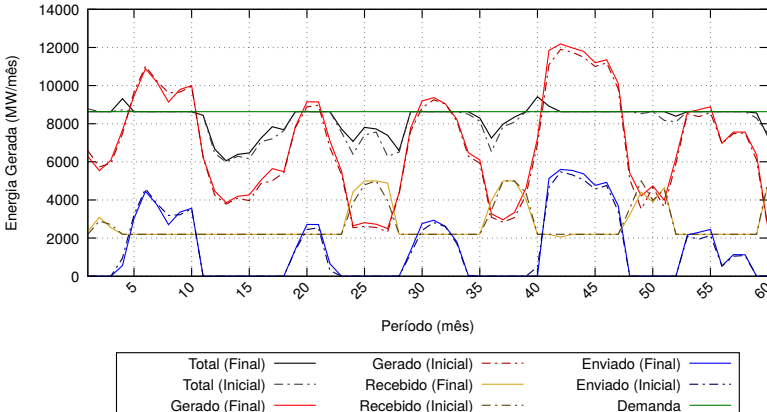
(a) CpMiPd

CpMiPd - Volume - Diferença



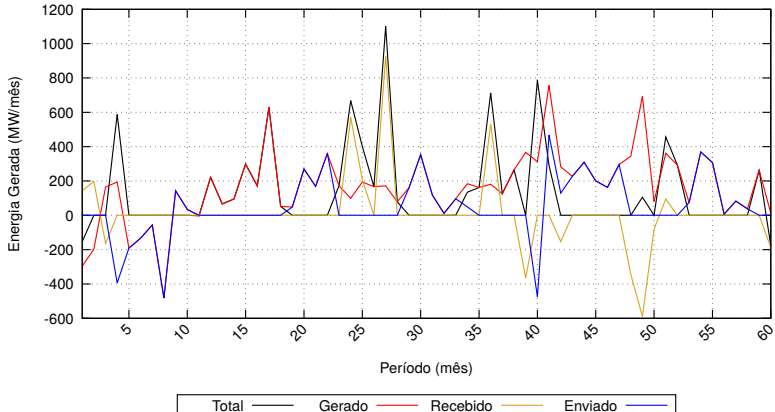
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

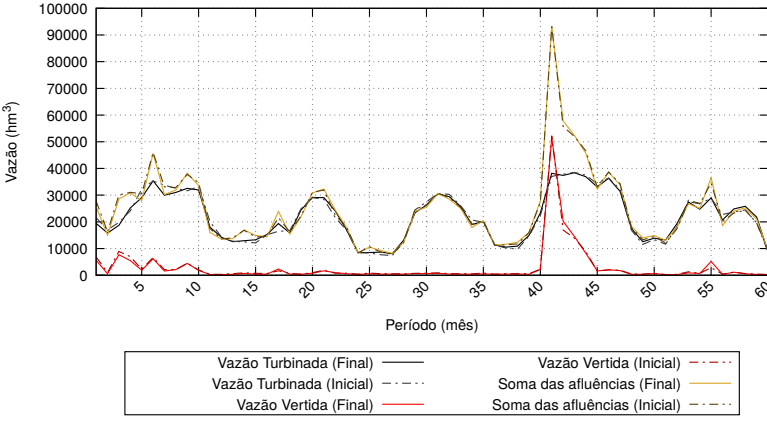
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

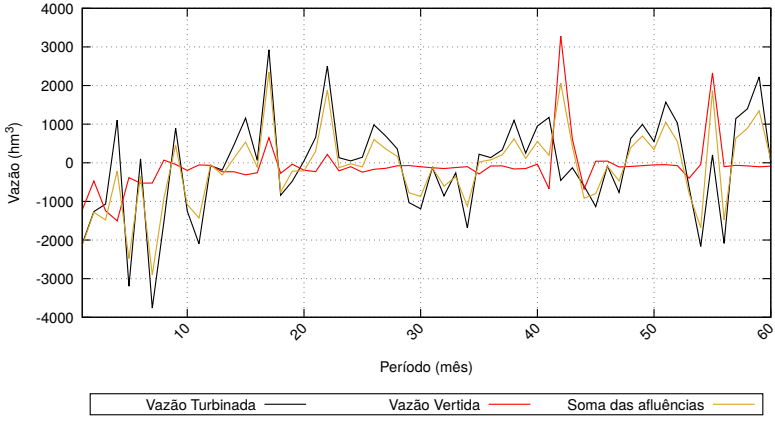
5.7 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



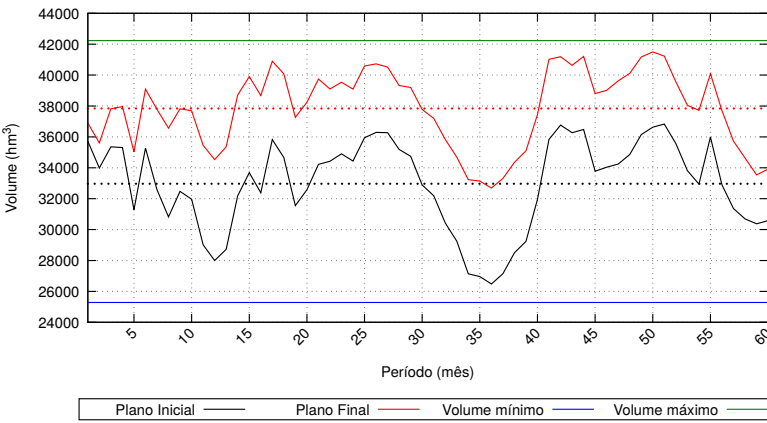
(a) CpMiPi

CpMiPi - Vazão - Diferença



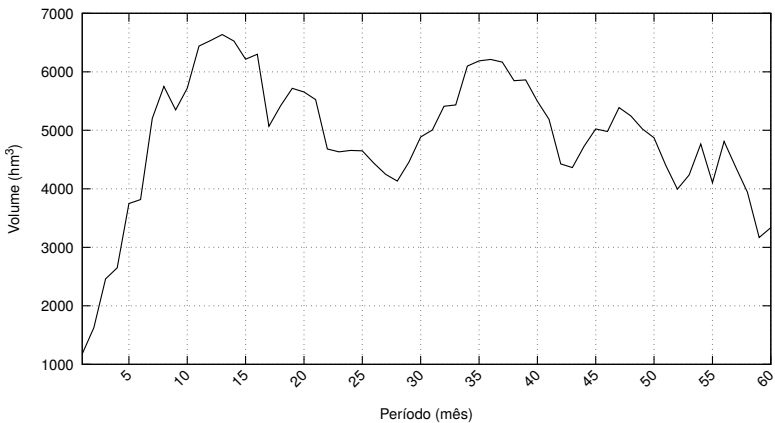
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



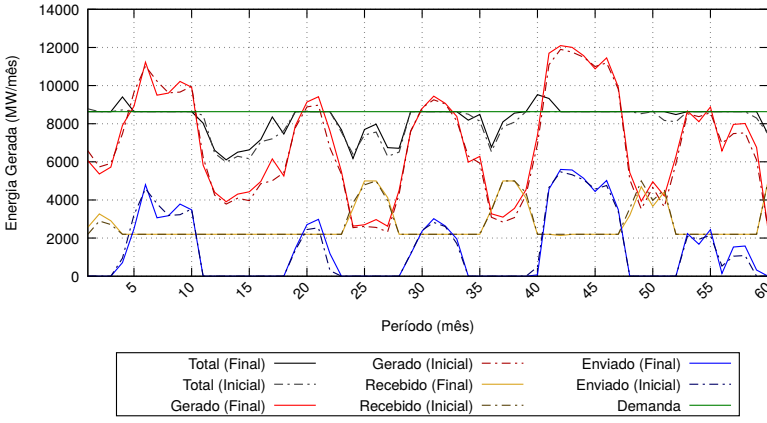
(a) CpMiPi

CpMiPi - Volume - Diferença



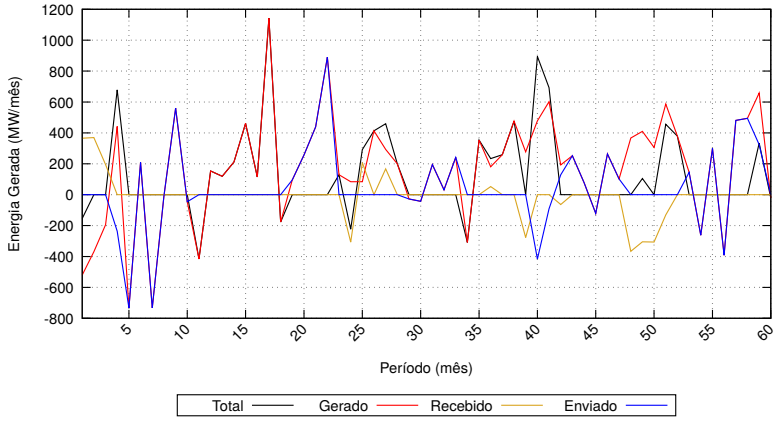
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

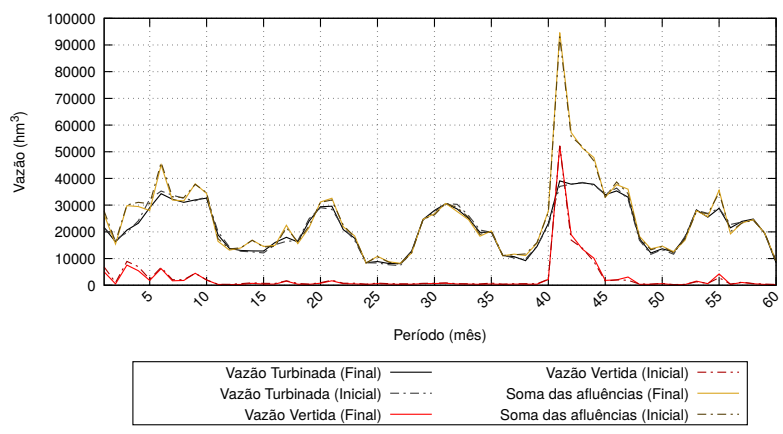
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

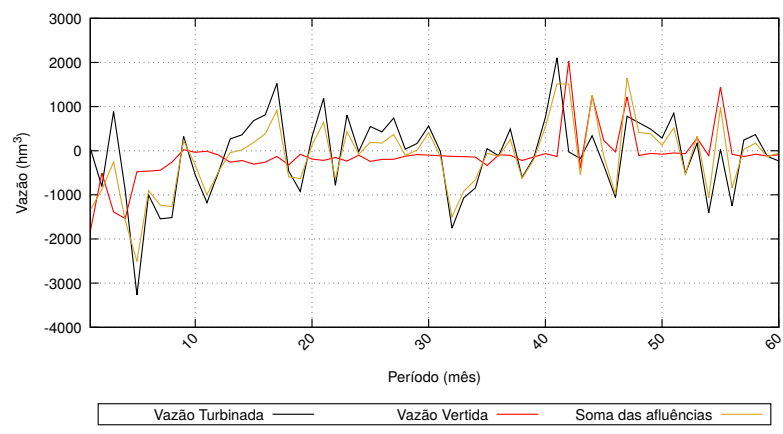
5.8 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



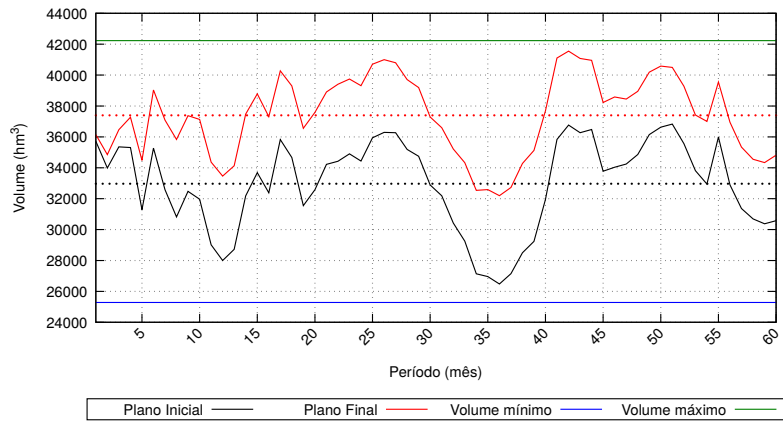
(a) SpPd

SpPd - Vazão - Diferença



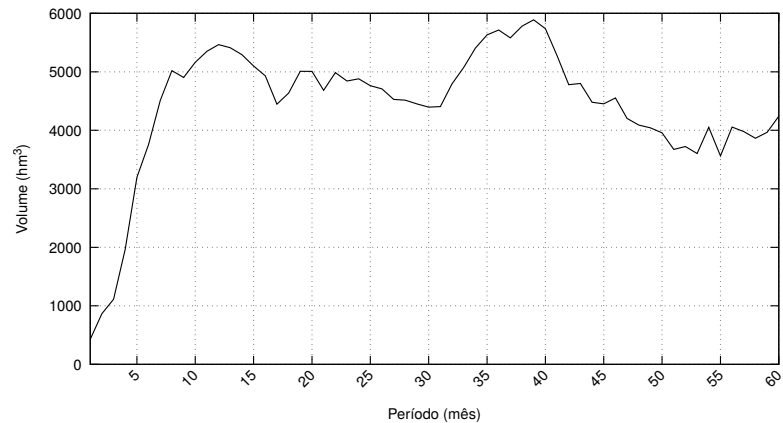
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



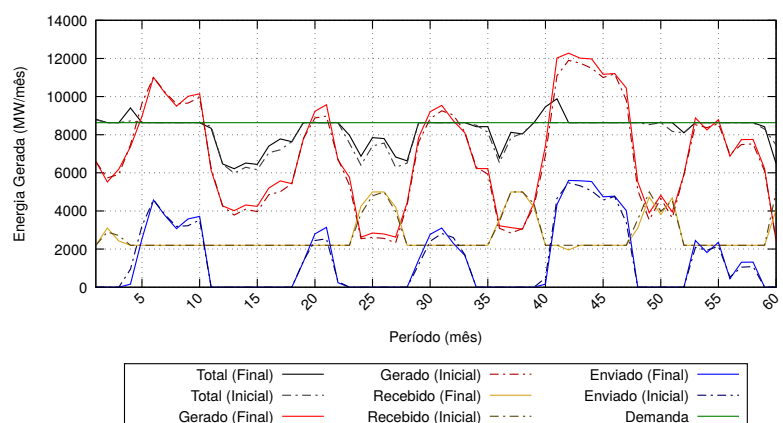
(a) SpPd

SpPd - Volume - Diferença



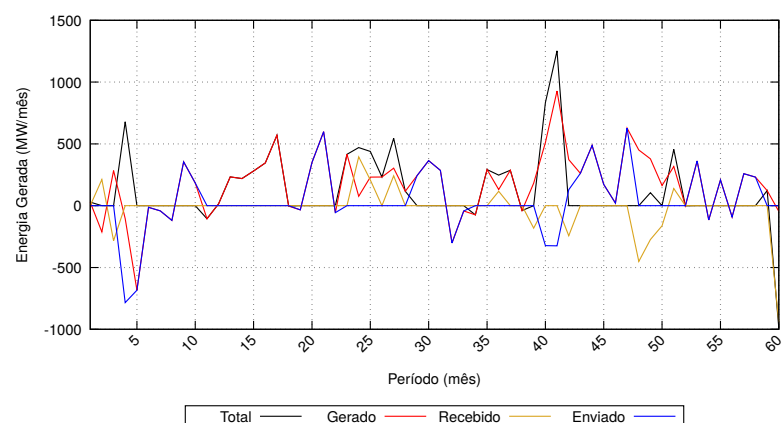
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

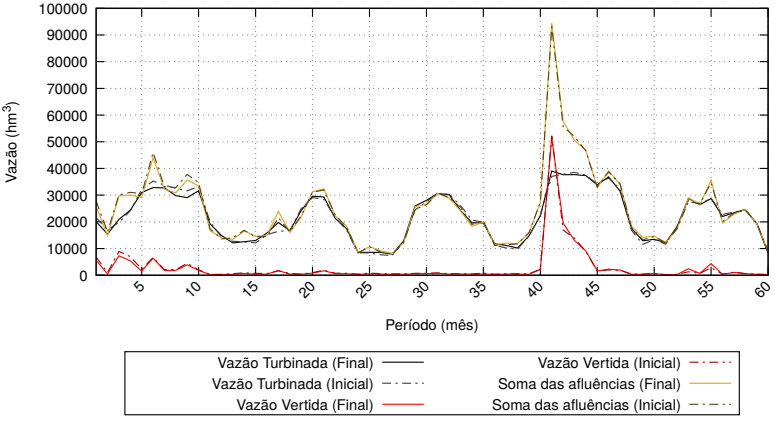
SpPd - Energia Gerada - Diferença



(b) SpPd

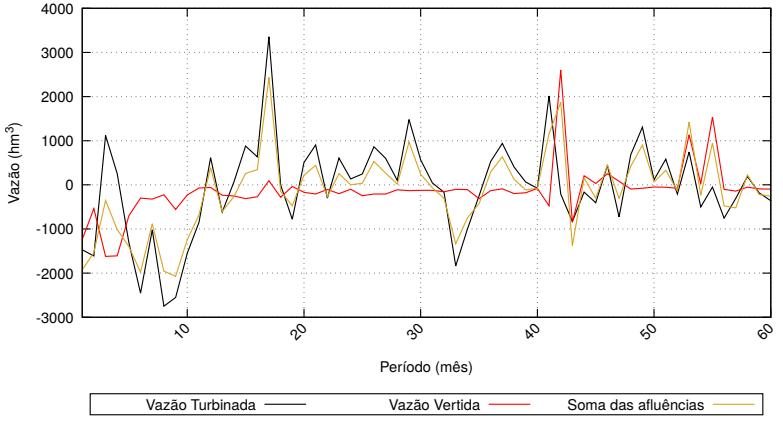
5.9 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



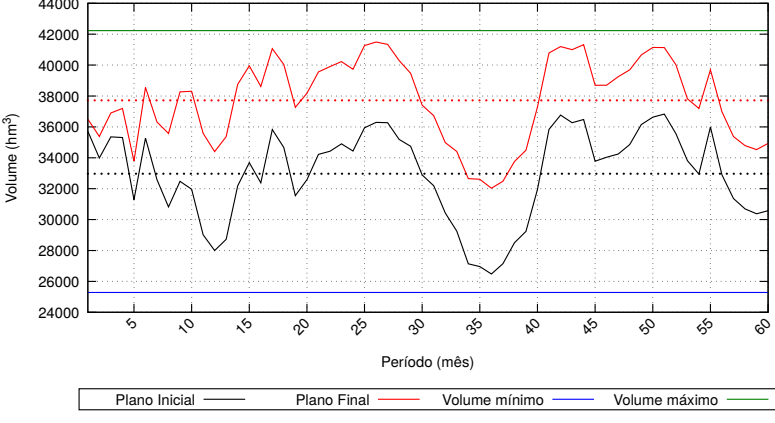
(a) SpPi

SpPi - Vazão - Diferença



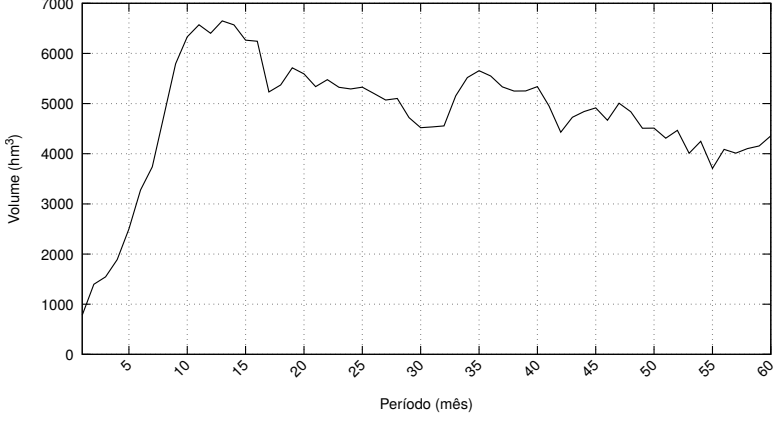
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



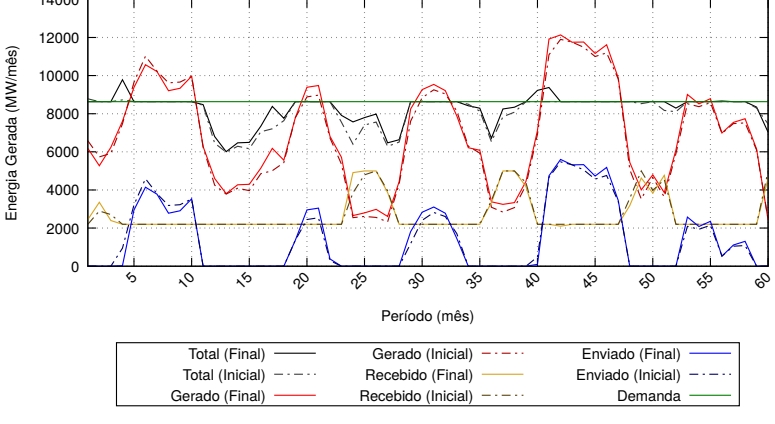
(a) SpPi

SpPi - Volume - Diferença



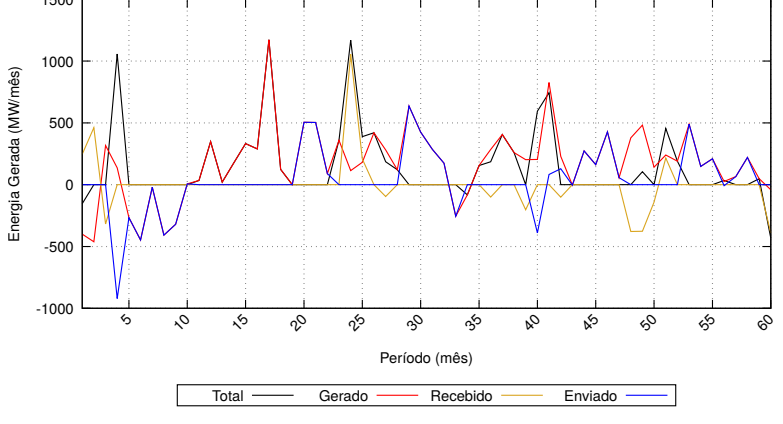
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

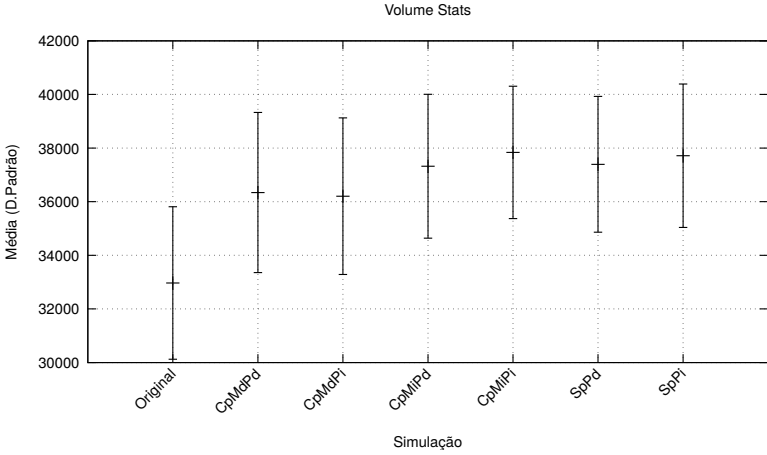


(b) SpPi

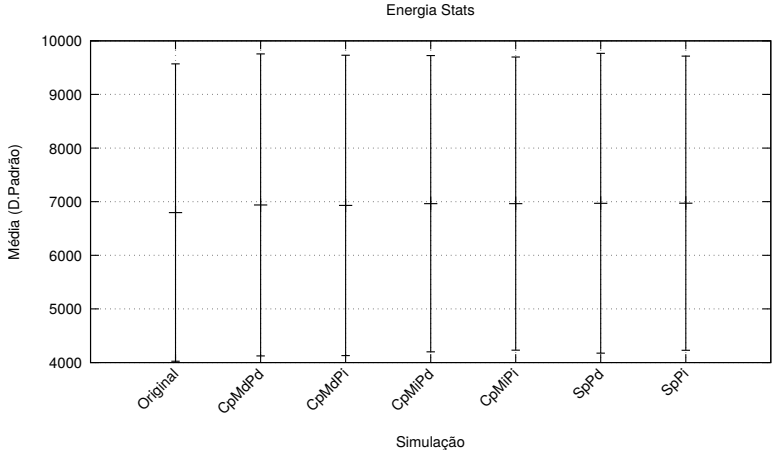
5.10 GPlan Stats

Tabela 10: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	32966.79924	2844.81748	6797.51479	2773.77243
CpMdPd	36341.55726	2985.70729	6939.65011	2815.89112
CpMdPi	36205.53099	2920.11385	6930.39014	2800.98532
CpMiPd	37322.91914	2682.14400	6962.96331	2762.68419
CpMiPi	37840.03240	2468.36731	6964.75707	2733.66455
SpPd	37394.94929	2532.84657	6971.06739	2795.10388
SpPi	37716.86836	2674.58519	6972.16044	2743.00823



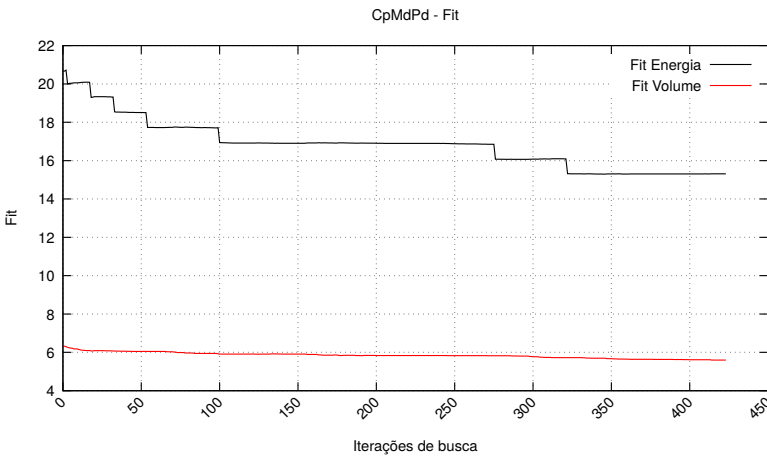
(a) Volume



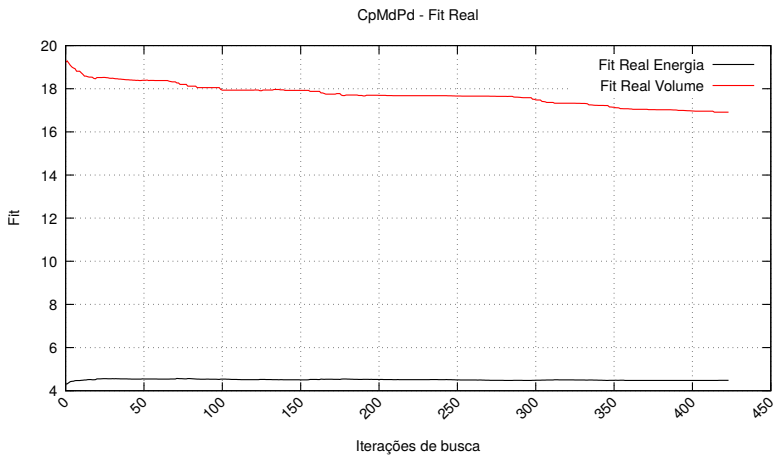
(b) Energia

6 SubSistema 3

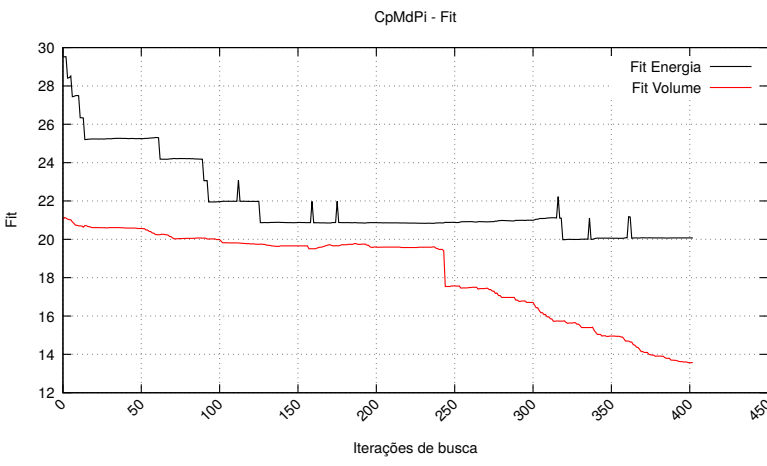
6.1 Fit/RealFit



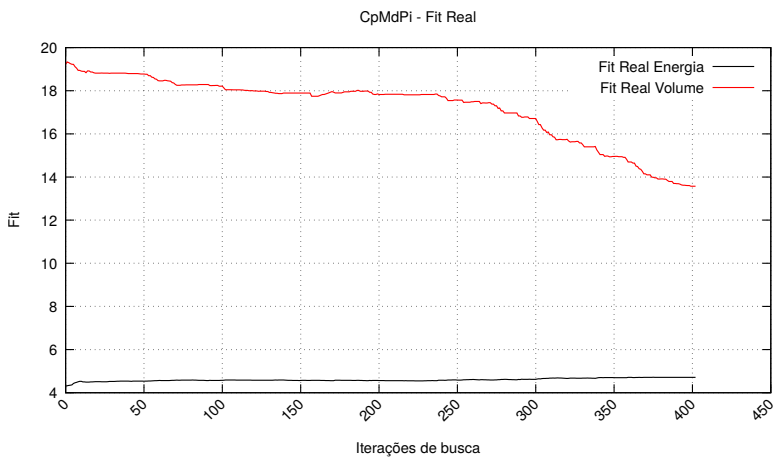
(a) CpMdPd



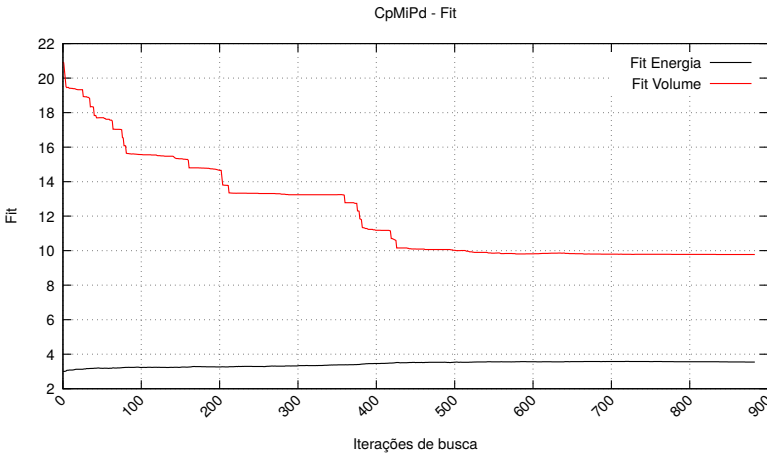
(b) CpMdPd



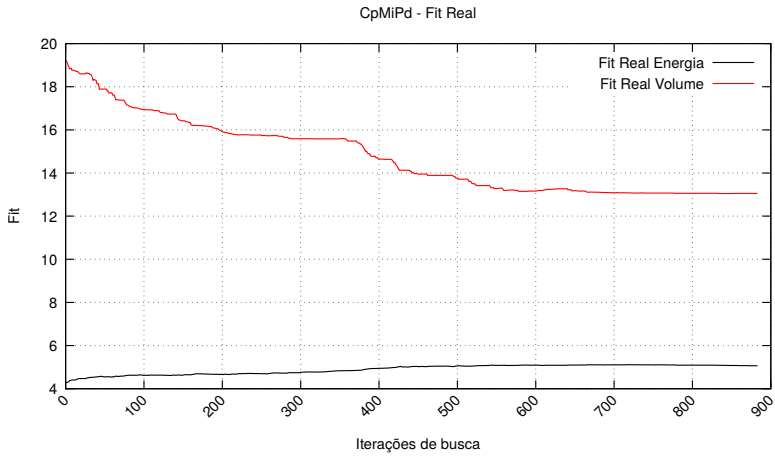
(a) CpMdPi



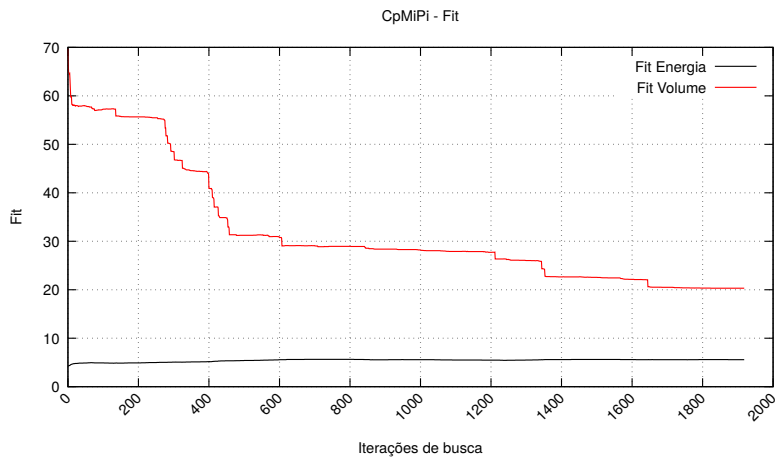
(b) CpMdPi



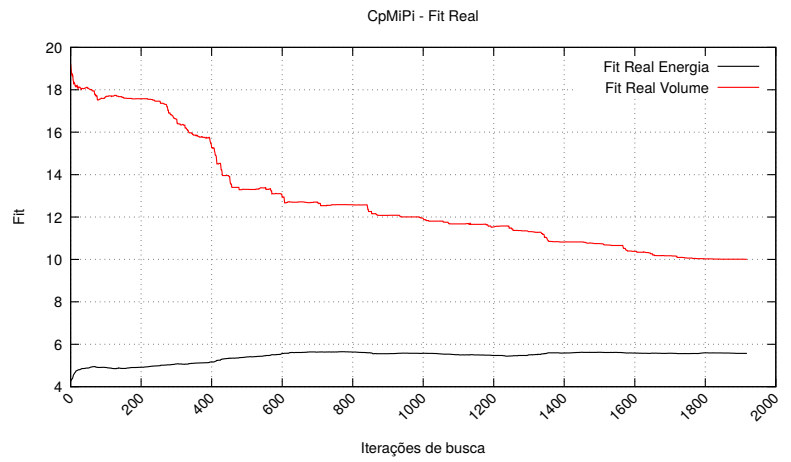
(a) CpMiPd



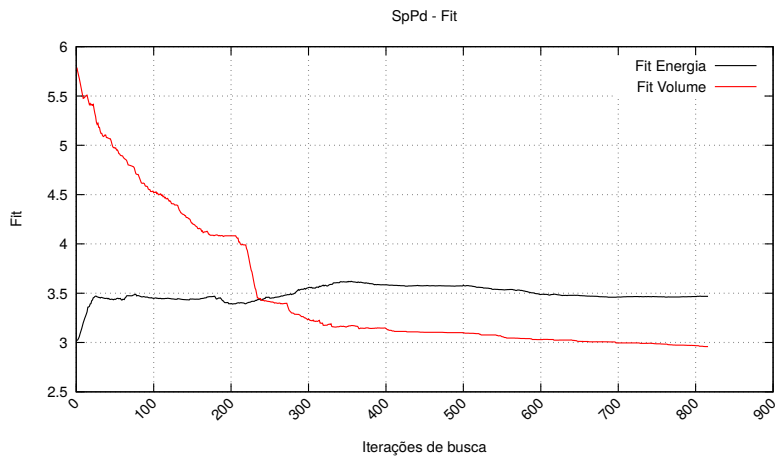
(b) CpMiPd



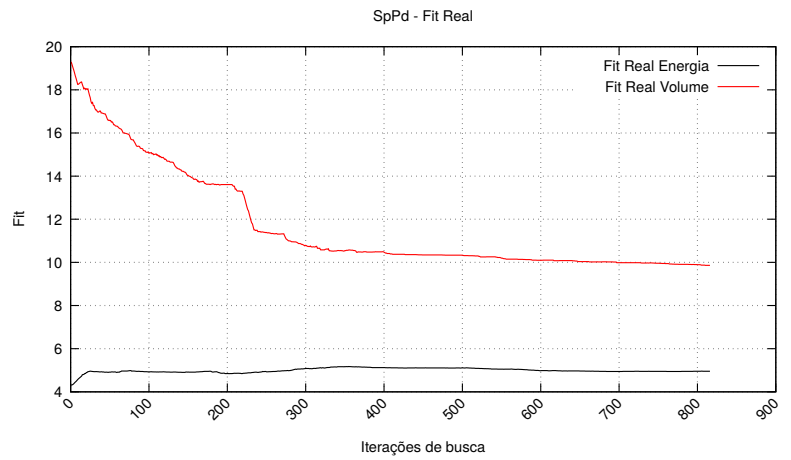
(a) CpMiPi



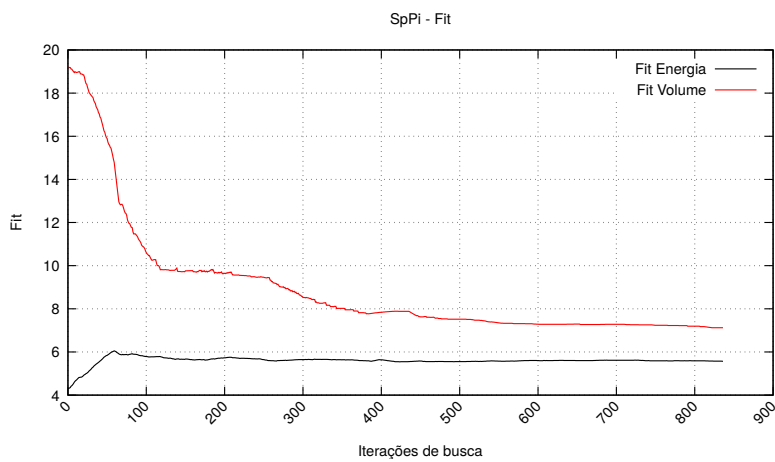
(b) CpMiPi



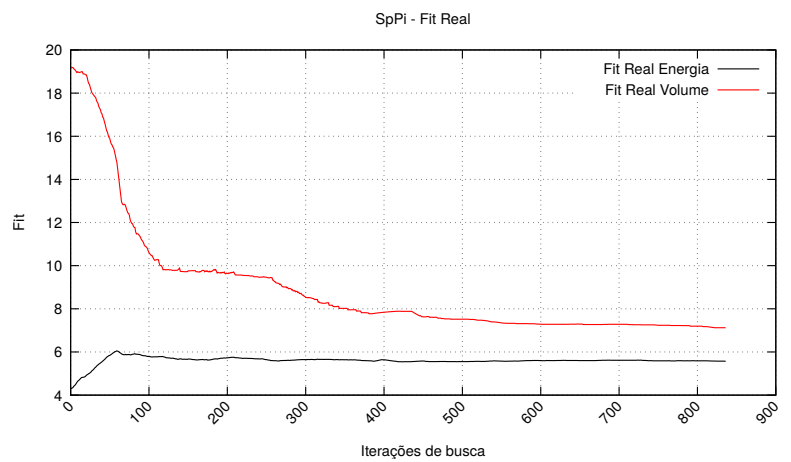
(a) SpPd



(b) SpPd



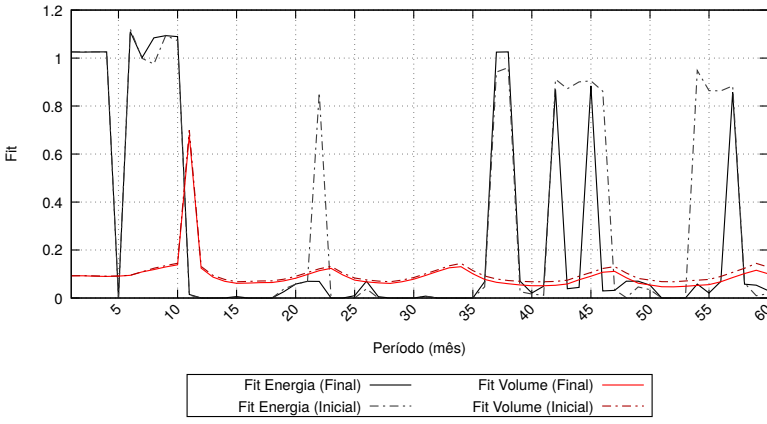
(a) SpPi



(b) SpPi

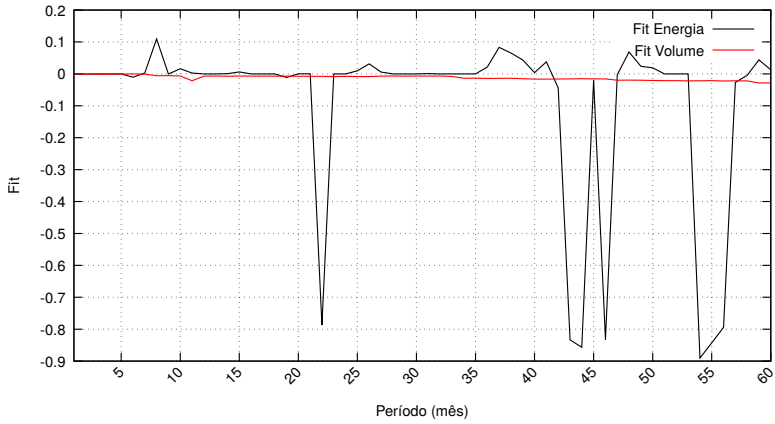
6.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



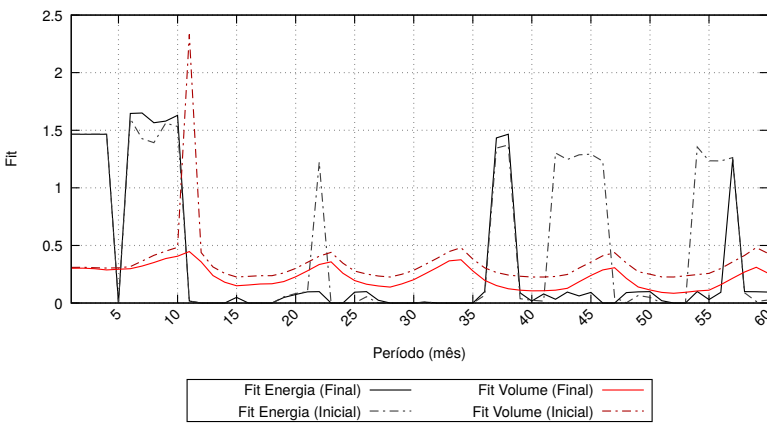
(a) CpMdPd

CpMdPd - Fit - Diferença



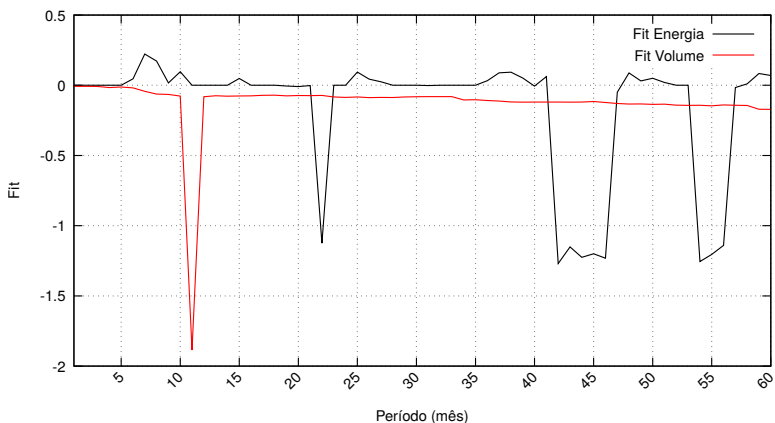
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



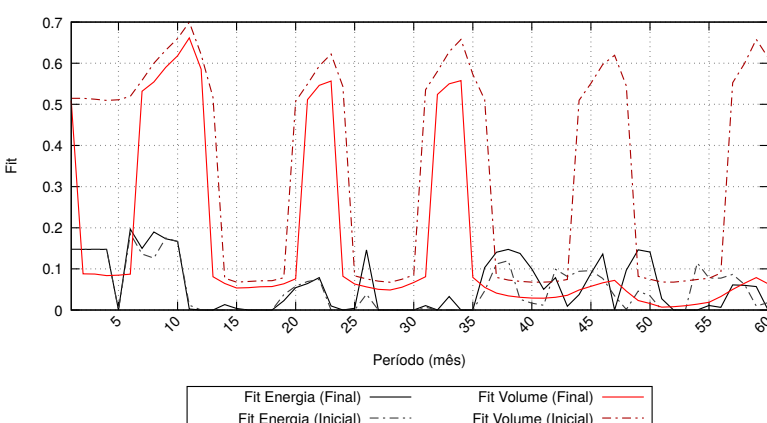
(a) CpMdPi

CpMdPi - Fit - Diferença



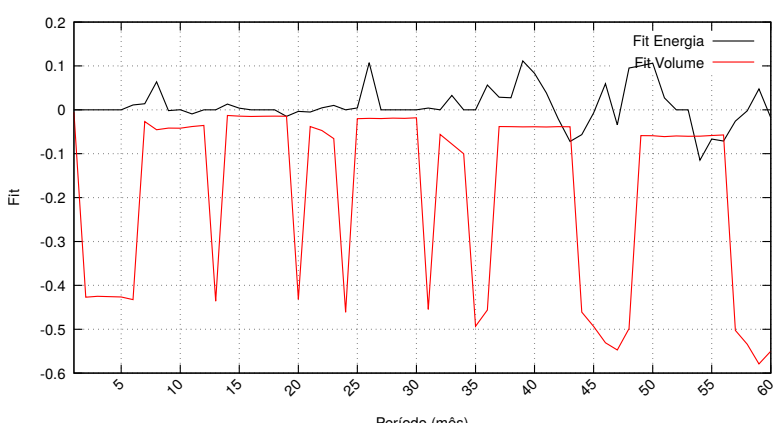
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



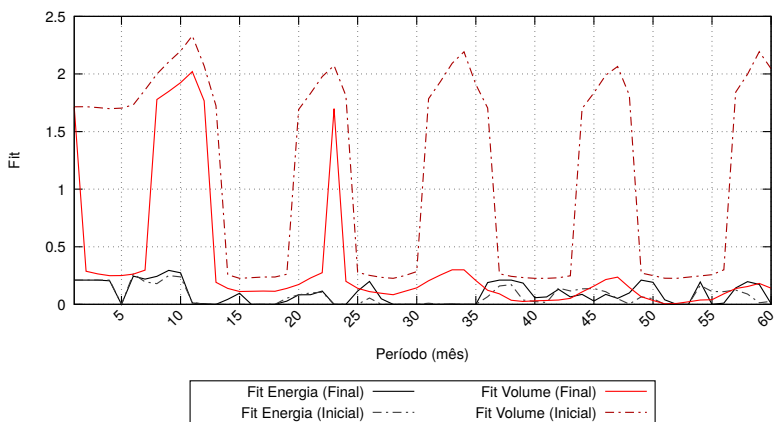
(a) CpMiPd

CpMiPd - Fit - Diferença



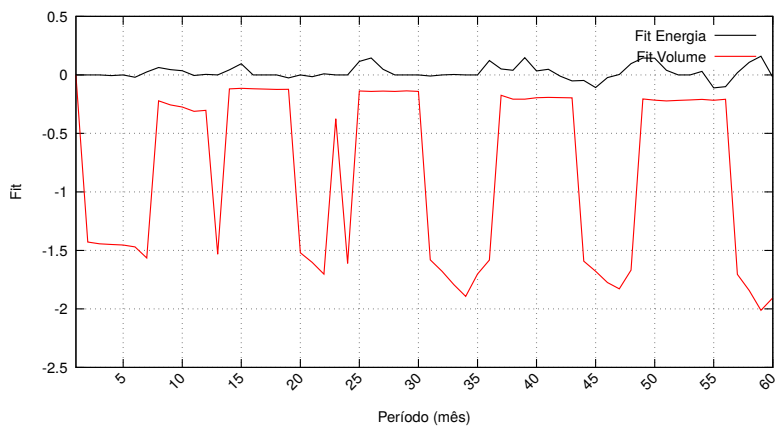
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



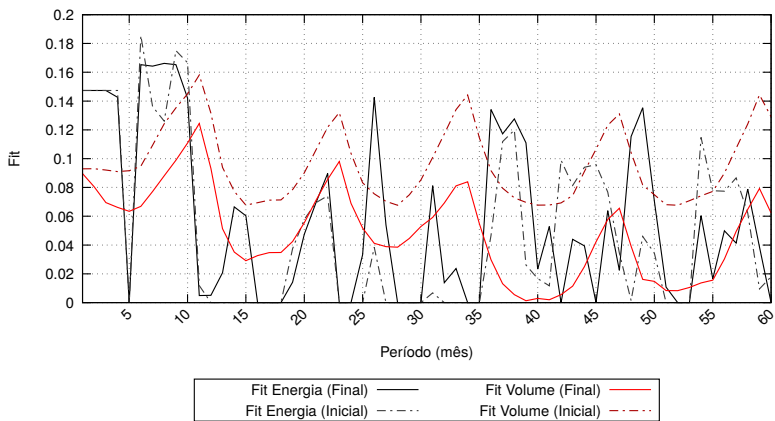
(a) CpMiPi

CpMiPi - Fit - Diferença



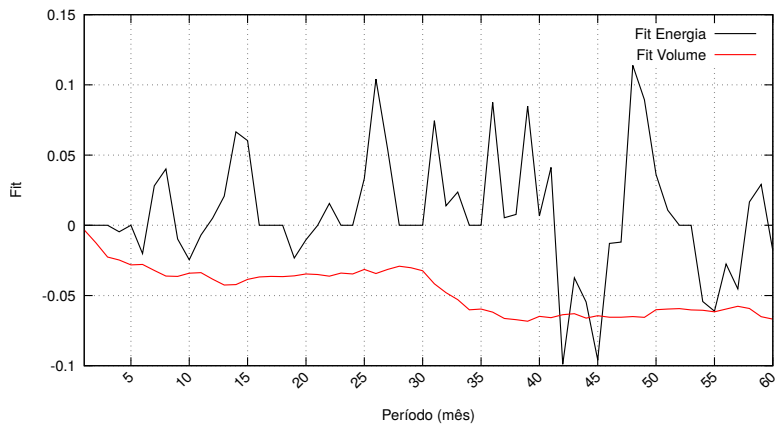
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



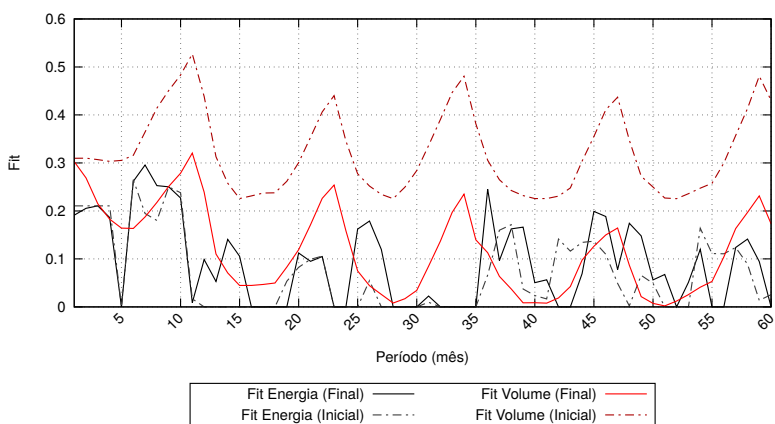
(a) SpPd

SpPd - Fit - Diferença



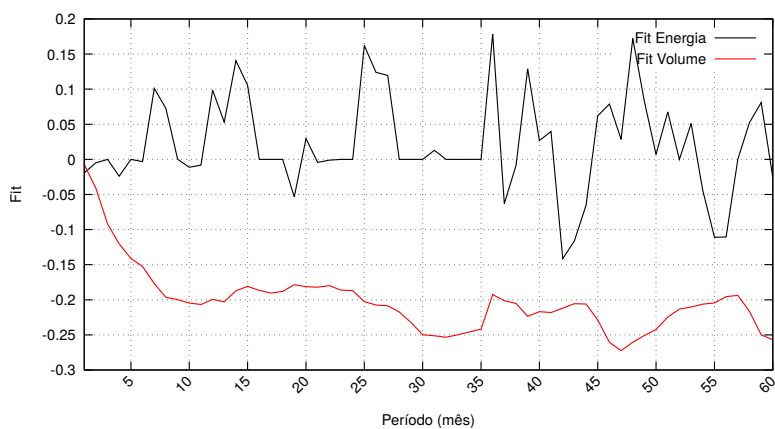
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



(a) SpPi

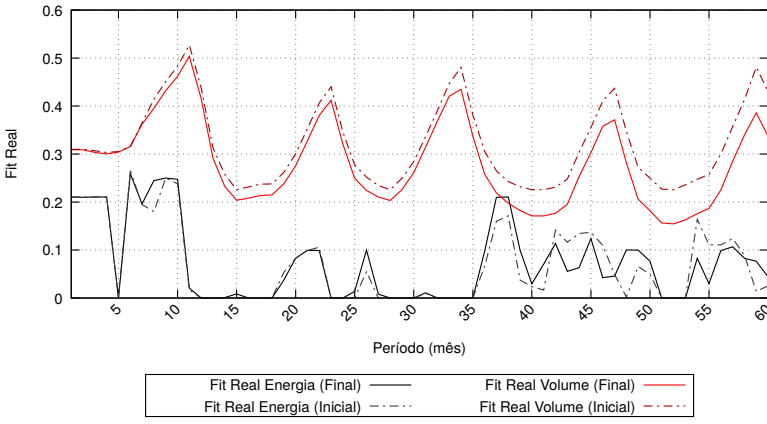
SpPi - Fit - Diferença



(b) SpPi

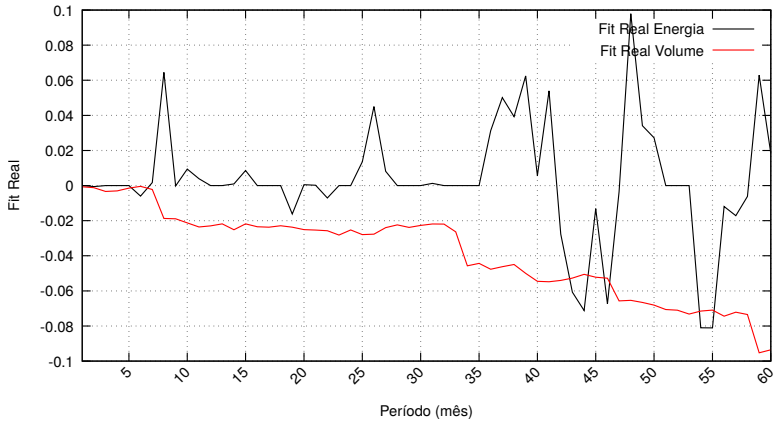
6.3 Energia/Volume RealFit

CpMdPd - Real Fit - Plano Inicial x Plano Final



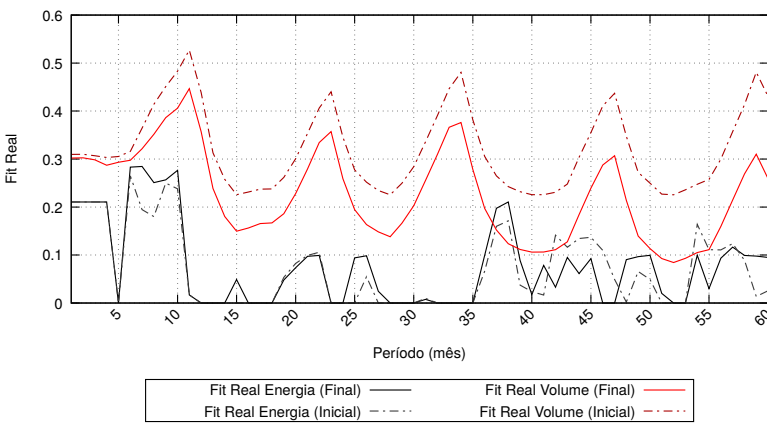
(a) CpMdPd

CpMdPd - Real Fit - Diferença



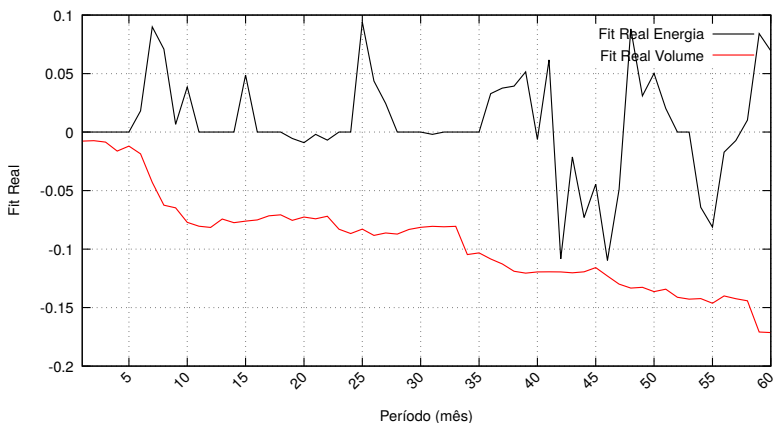
(b) CpMdPd

CpMdPi - Real Fit - Plano Inicial x Plano Final



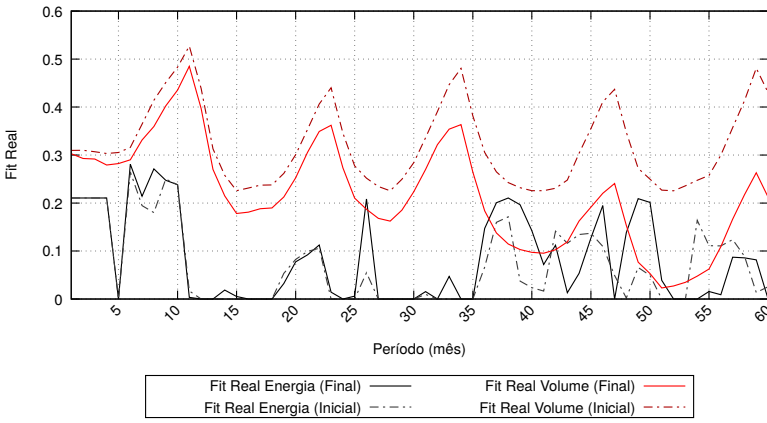
(a) CpMdPi

CpMdPi - Real Fit - Diferença



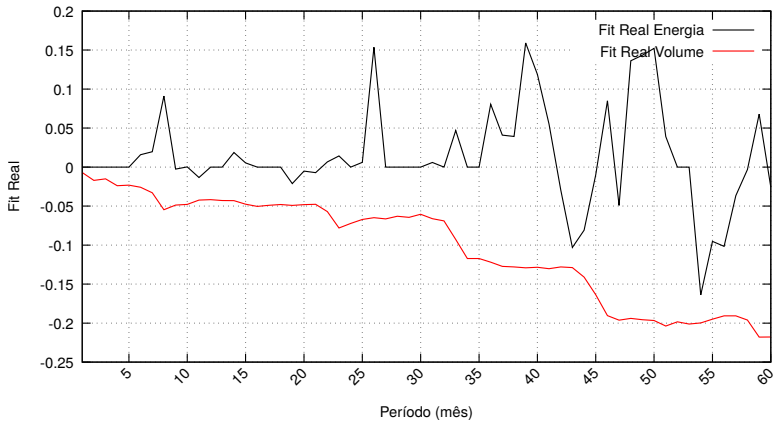
(b) CpMdPi

CpMiPd - Real Fit - Plano Inicial x Plano Final



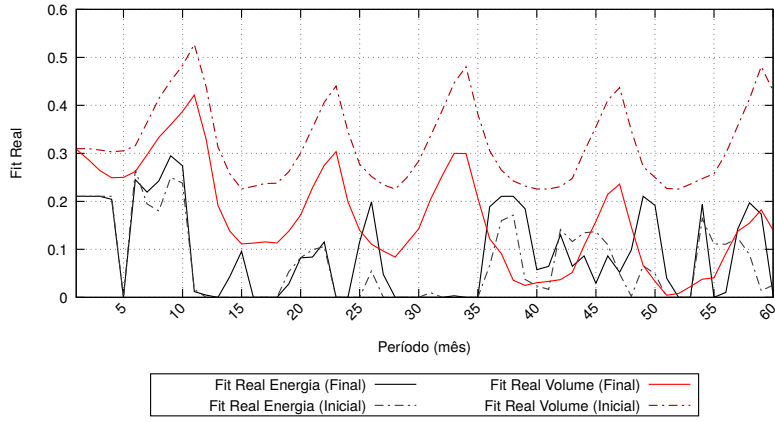
(a) CpMiPd

CpMiPd - Real Fit - Diferença



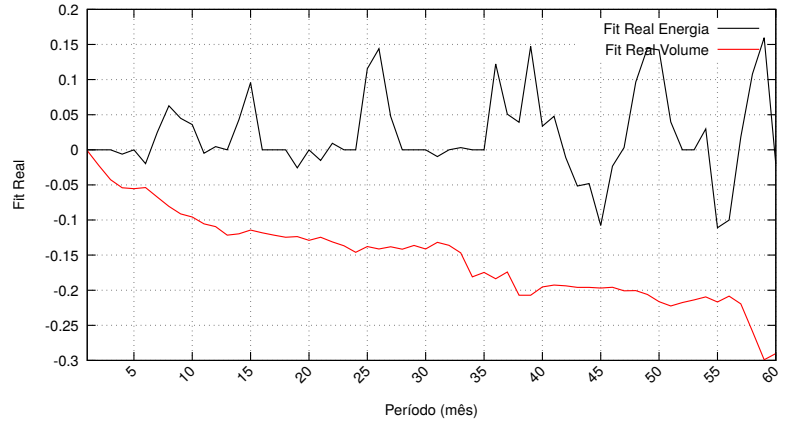
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



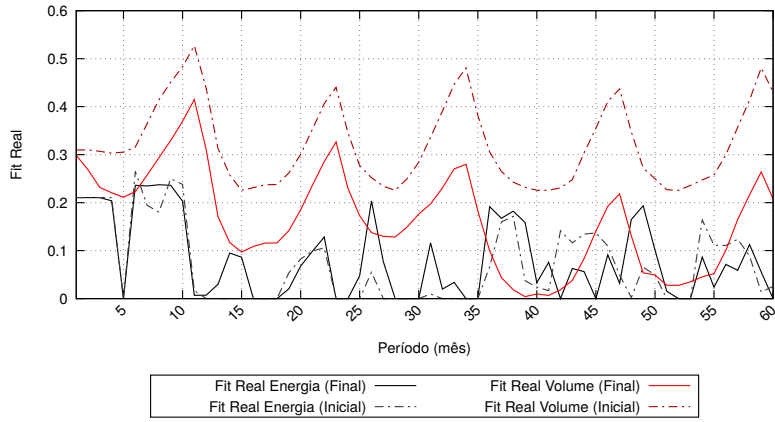
(a) CpMiPi

CpMiPi - Real Fit - Diferença



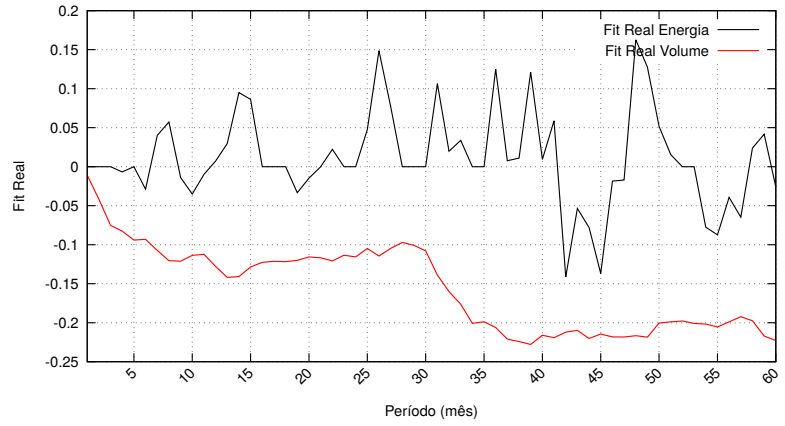
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



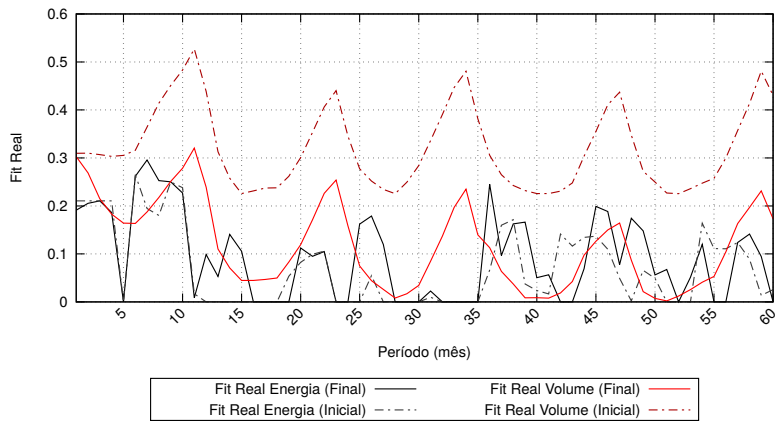
(a) SpPd

SpPd - Real Fit - Diferença



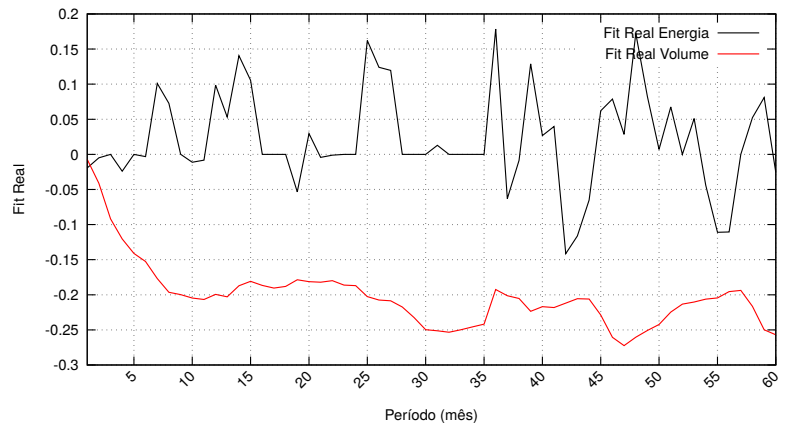
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

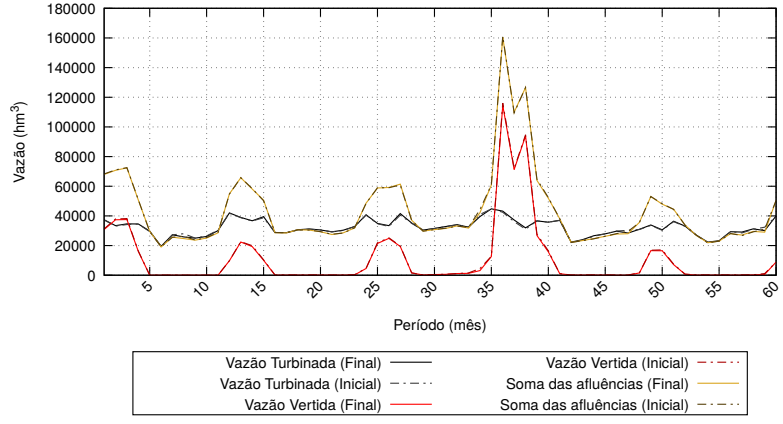
SpPi - Real Fit - Diferença



(b) SpPi

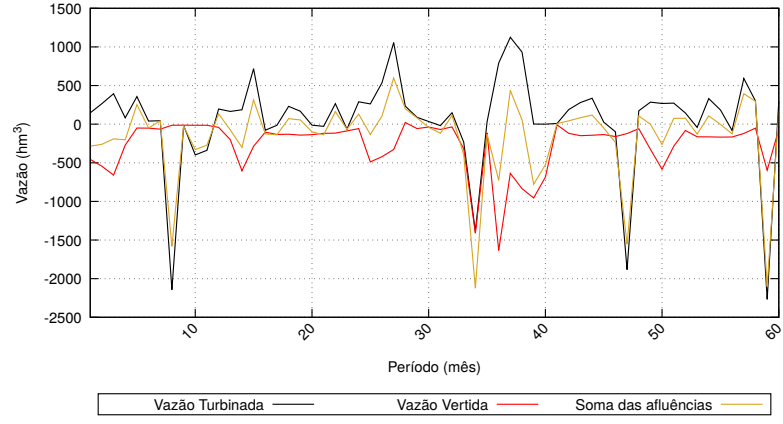
6.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



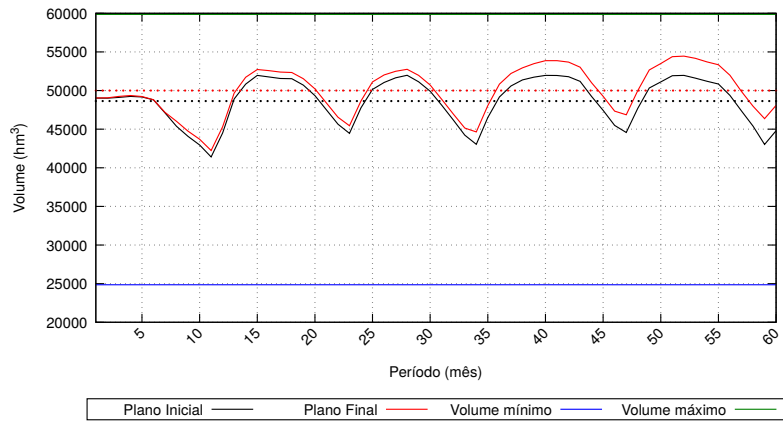
(a) CpMdPd

CpMdPd - Vazão - Diferença



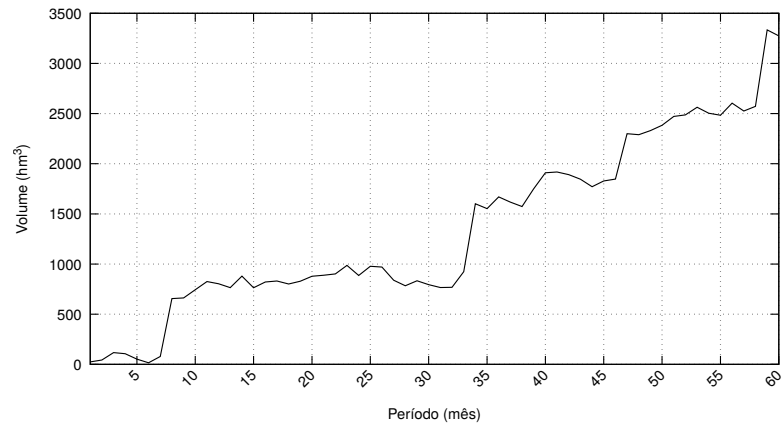
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



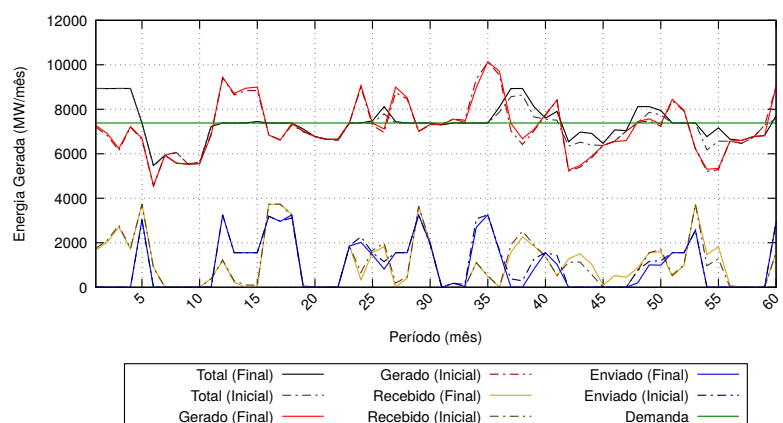
(a) CpMdPd

CpMdPd - Volume - Diferença



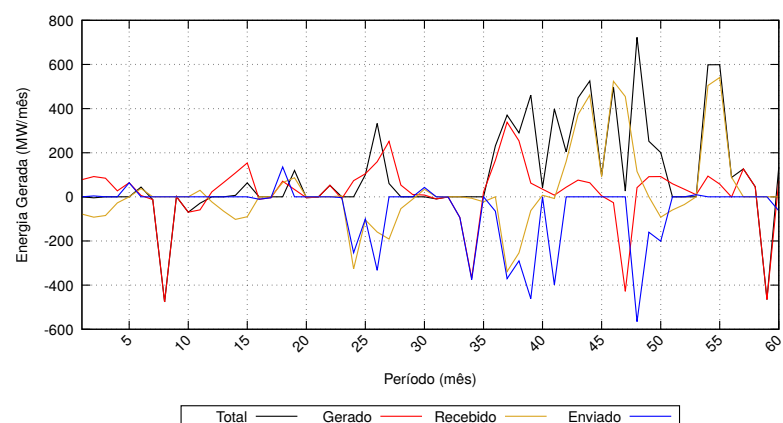
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

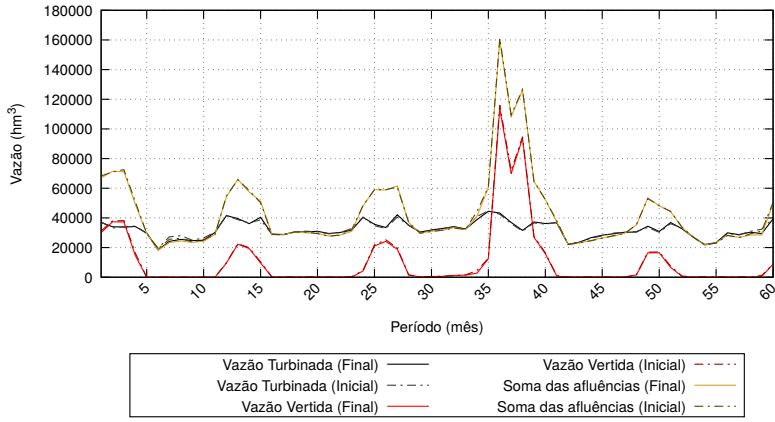
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

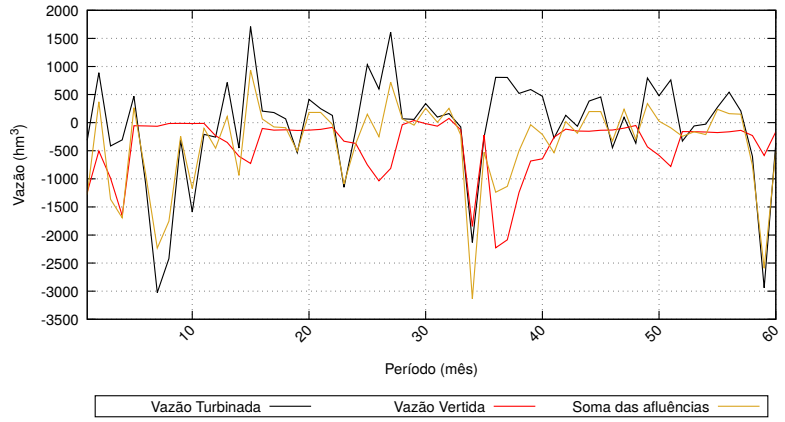
6.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



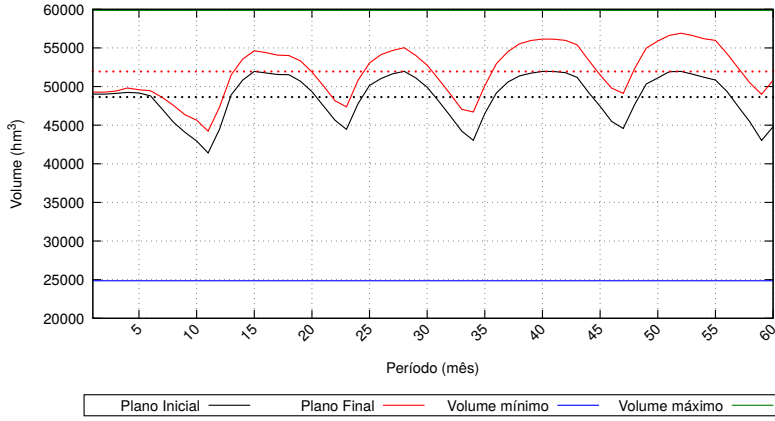
(a) CpMdPi

CpMdPi - Vazão - Diferença



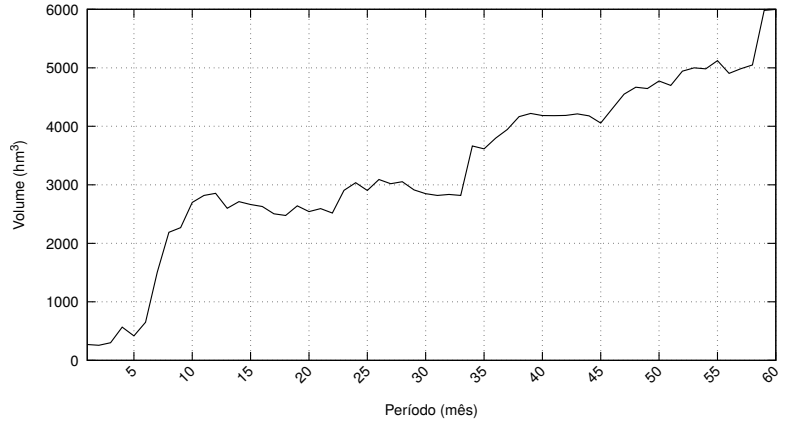
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



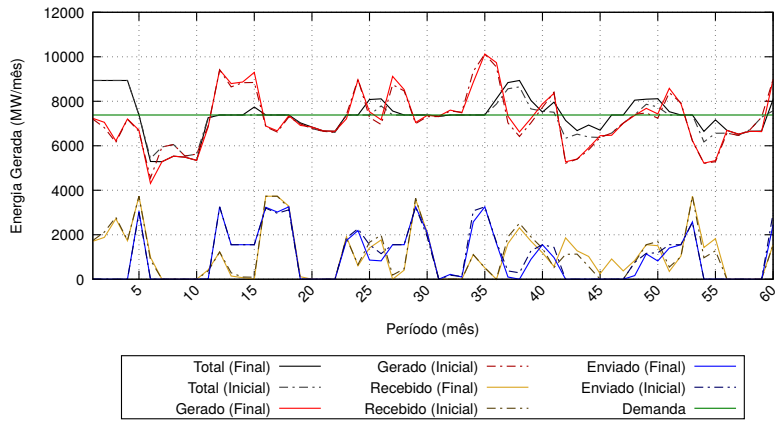
(a) CpMdPi

CpMdPi - Volume - Diferença



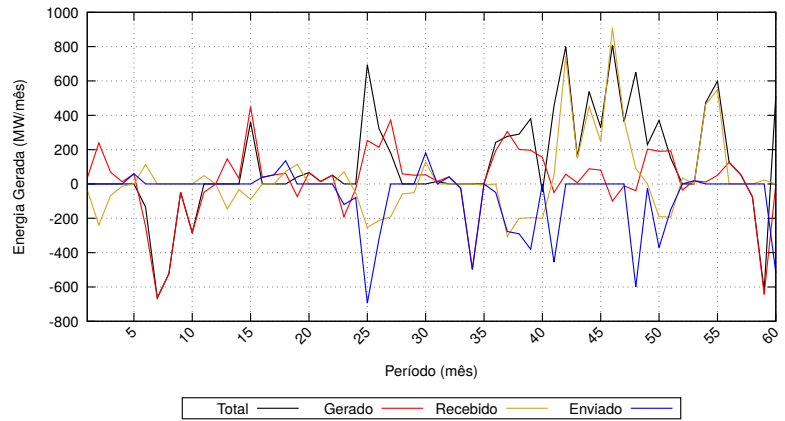
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



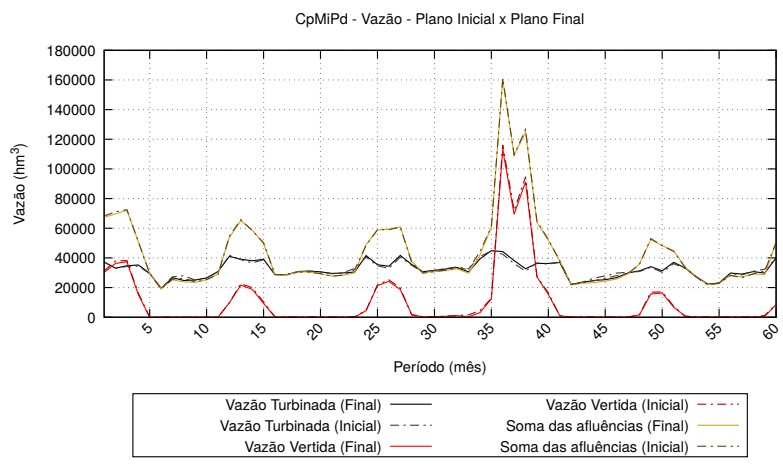
(a) CpMdPi

CpMdPi - Energia Gerada - Diferença

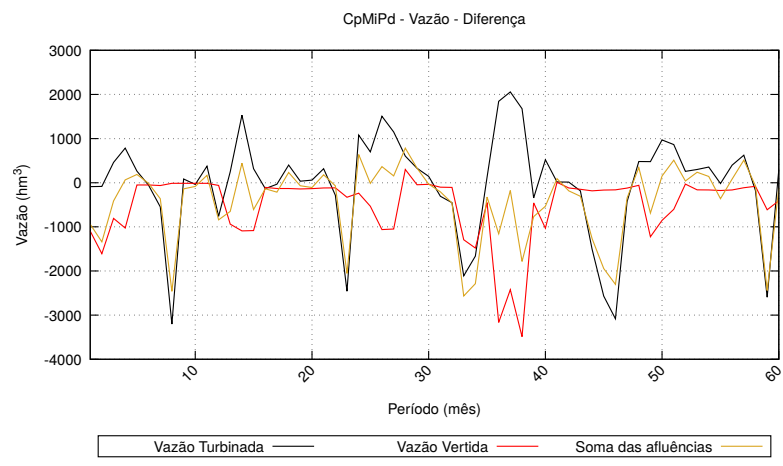


(b) CpMdPi

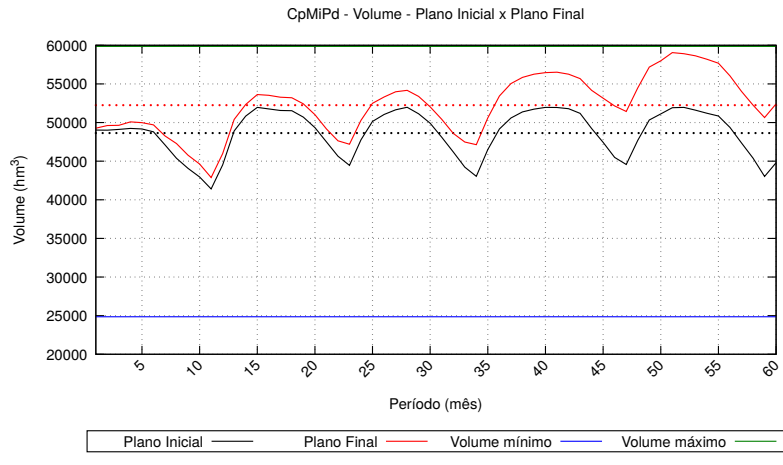
6.6 Resultados - CpMiPd



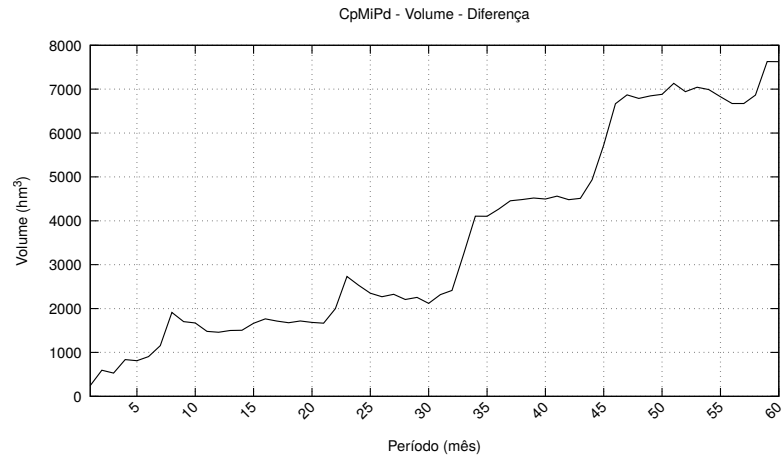
(a) CpMiPd



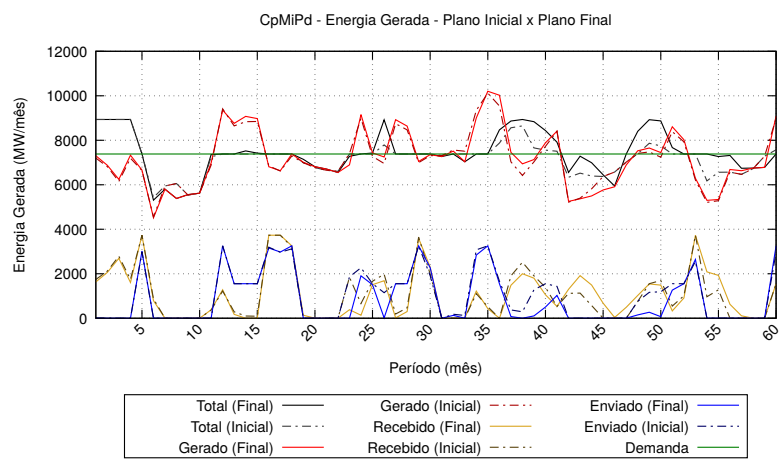
(b) CpMiPd



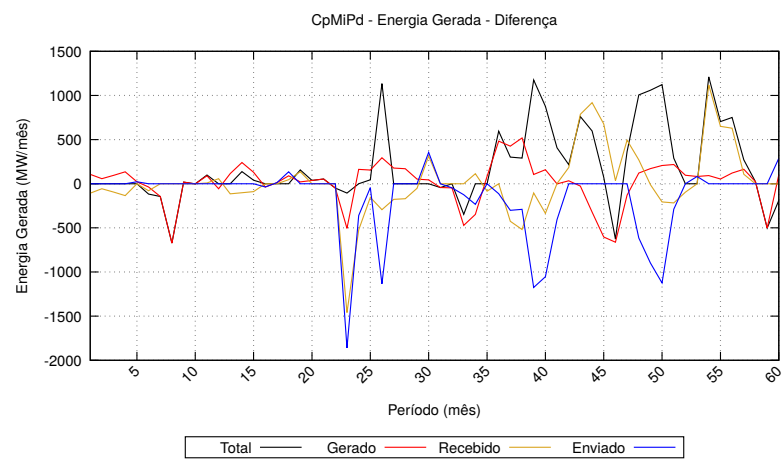
(a) CpMiPd



(b) CpMiPd

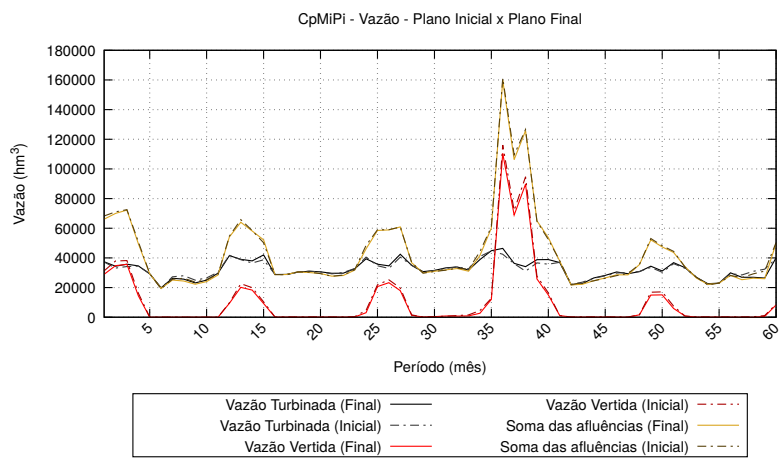


(a) CpMiPd

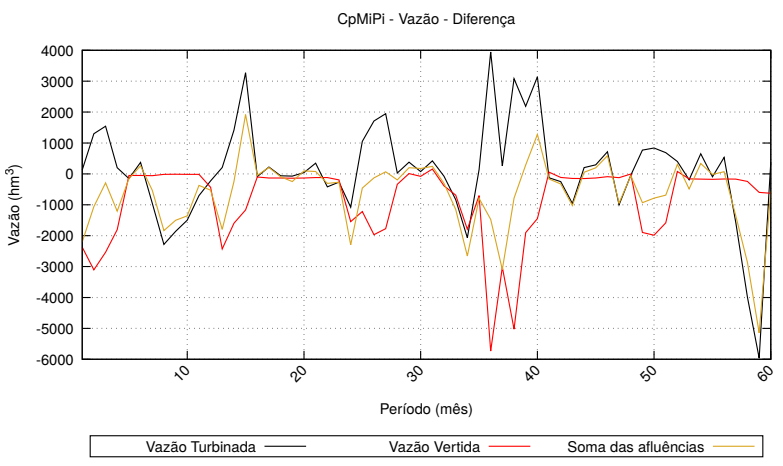


(b) CpMiPd

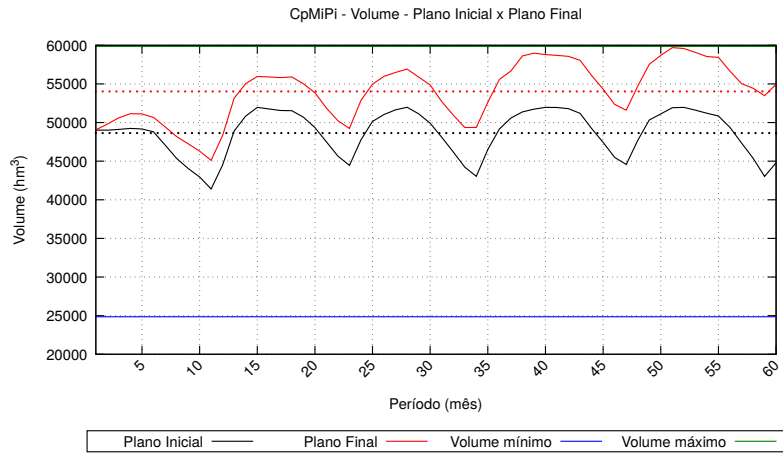
6.7 Resultados - CpMiPi



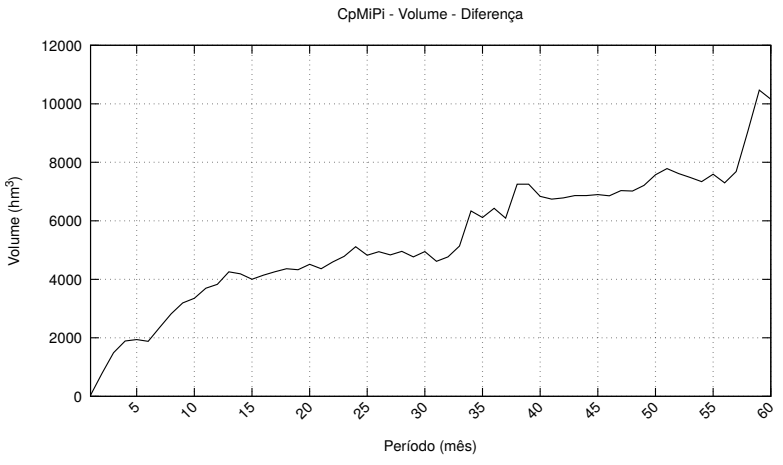
(a) CpMiPi



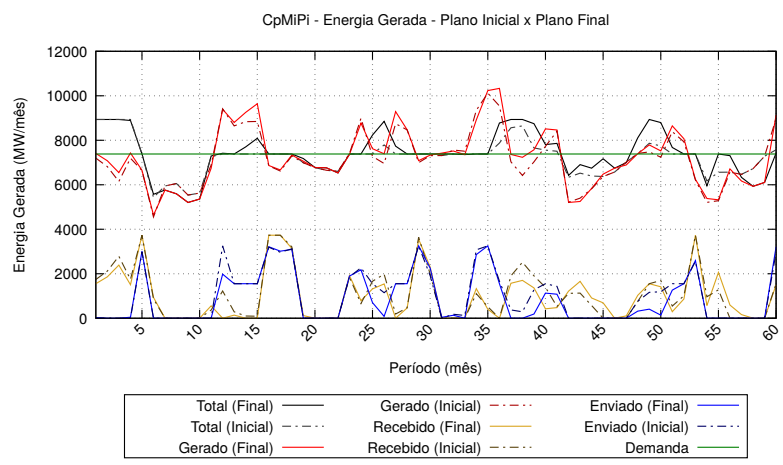
(b) CpMiPi



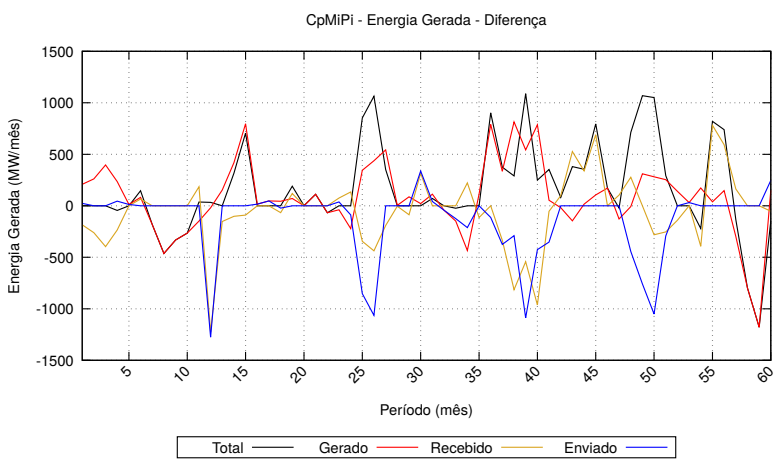
(a) CpMiPi



(b) CpMiPi

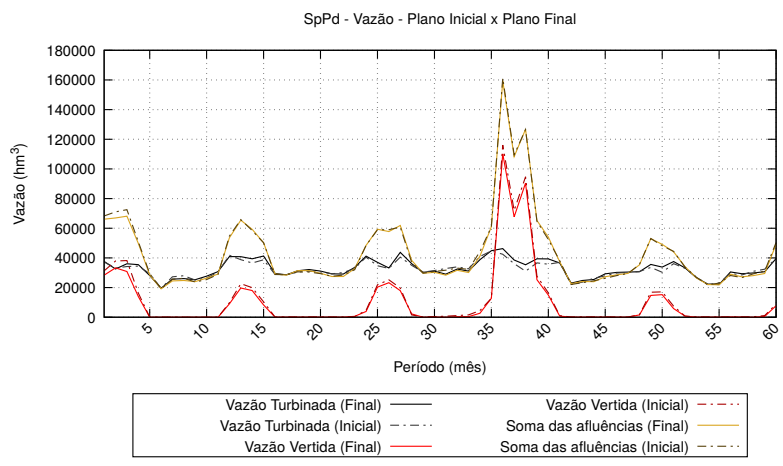


(a) CpMiPi

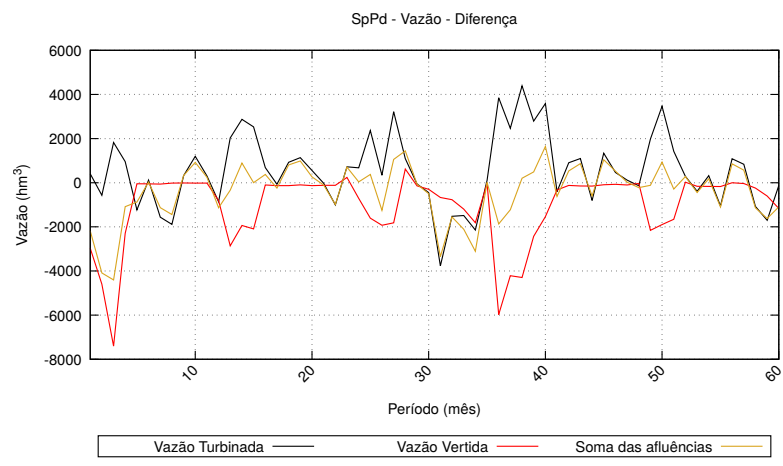


(b) CpMiPi

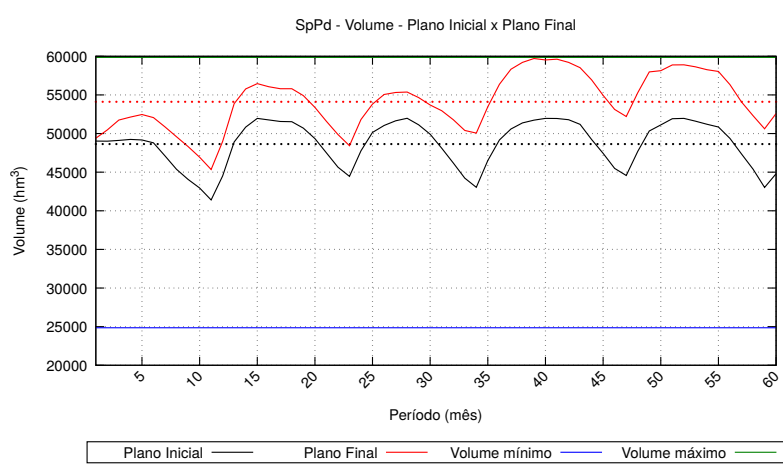
6.8 Resultados - SpPd



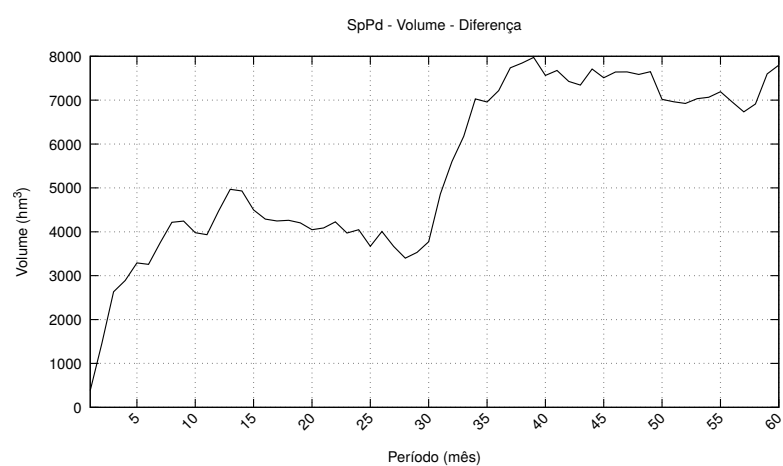
(a) SpPd



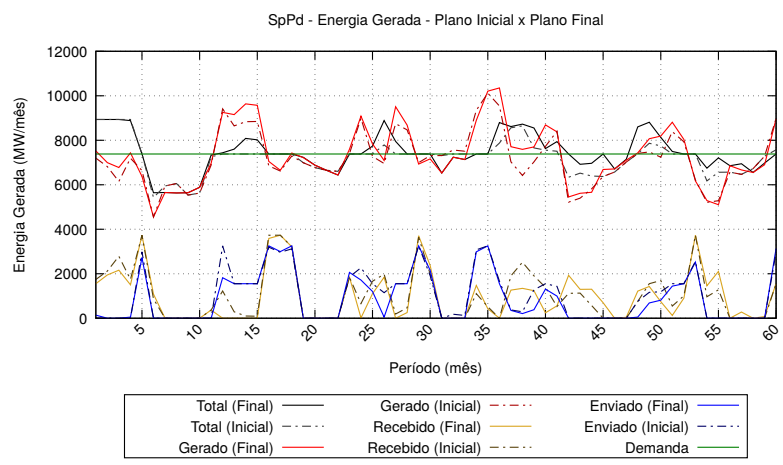
(b) SpPd



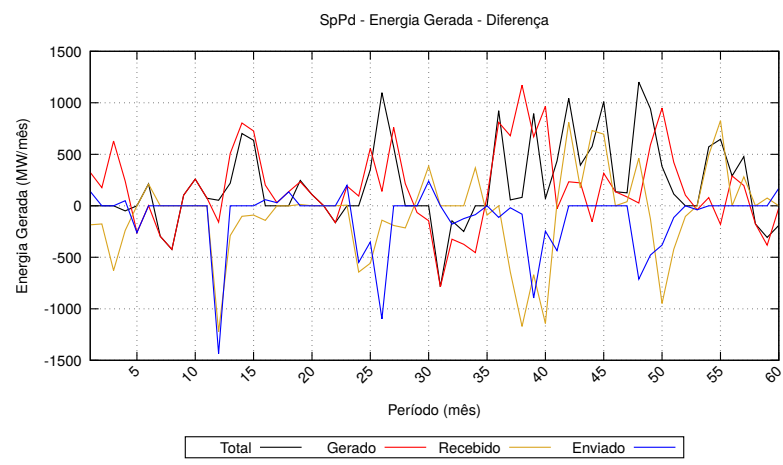
(a) SpPd



(b) SpPd

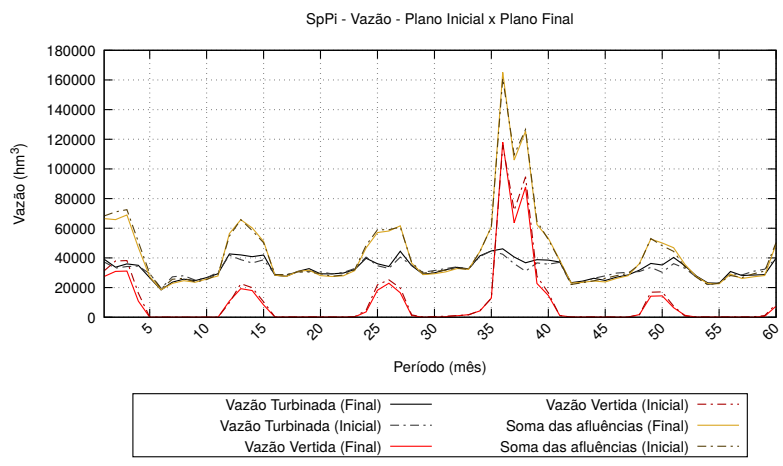


(a) SpPd

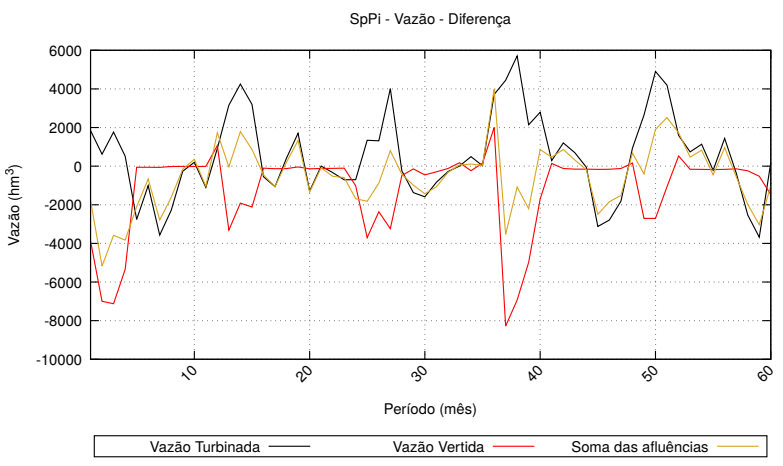


(b) SpPd

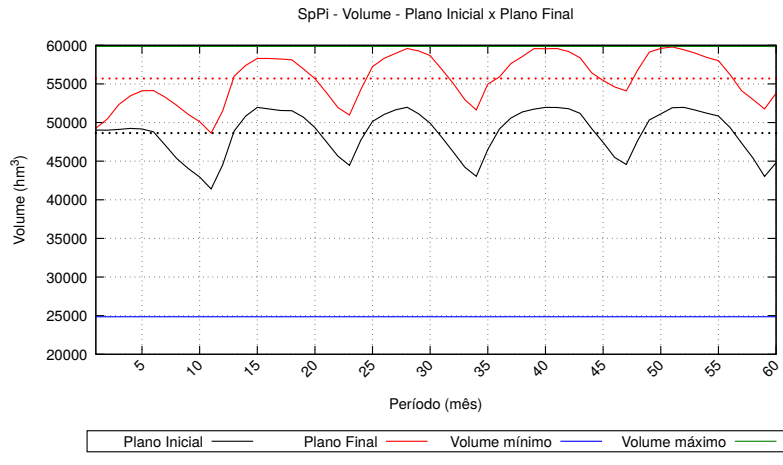
6.9 Resultados - SpPi



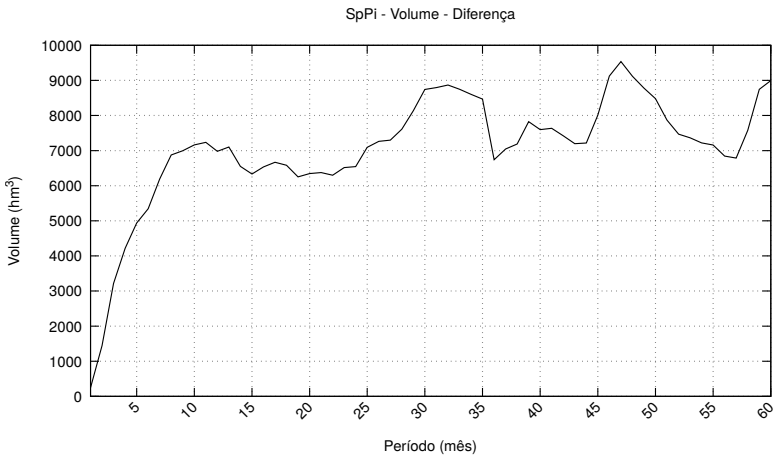
(a) SpPi



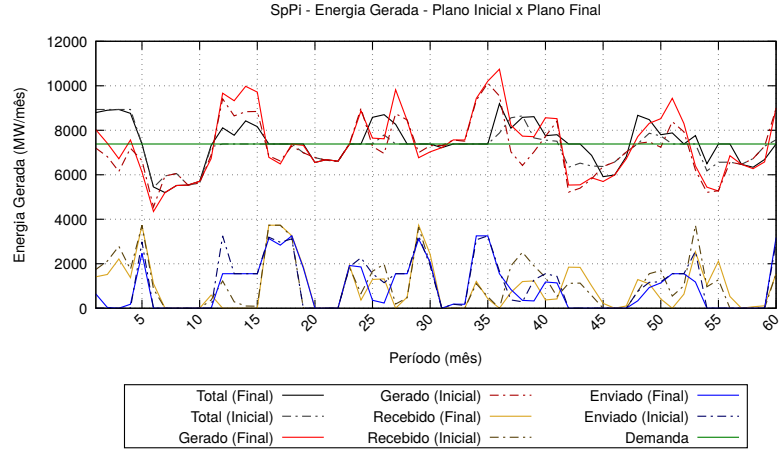
(b) SpPi



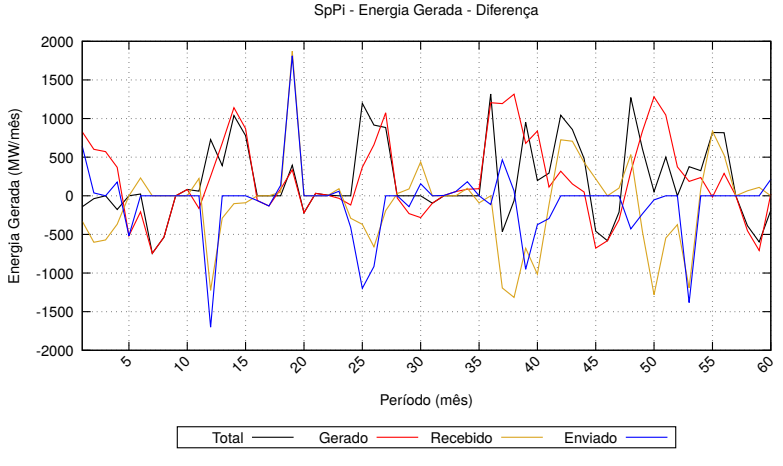
(a) SpPi



(b) SpPi



(a) SpPi

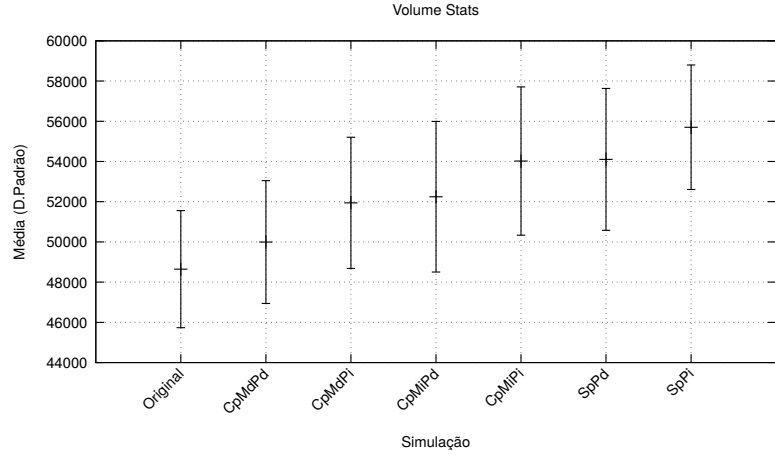


(b) SpPi

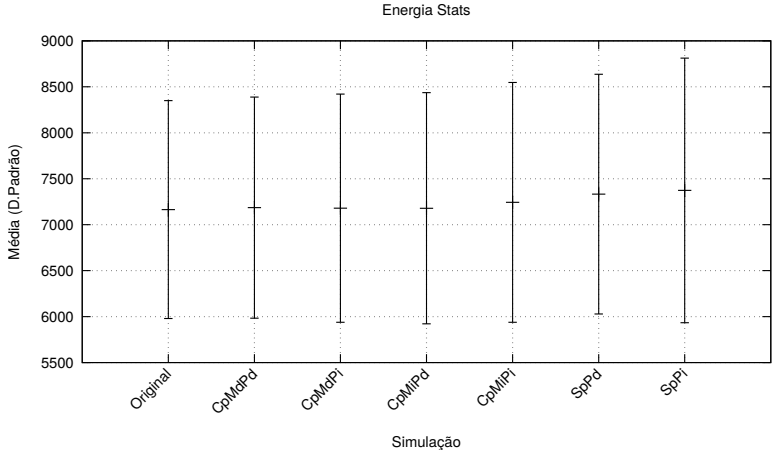
6.10 GPlan Stats

Tabela 11: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	48645.20210	2913.76634	7164.20546	1185.34747
CpMdPd	49993.63895	3053.91030	7185.59884	1202.72576
CpMdPi	51944.03918	3261.56917	7179.85243	1241.51510
CpMiPd	52246.58505	3744.14030	7178.63902	1257.64946
CpMiPi	54021.88726	3689.53307	7242.99750	1304.30953
SpPd	54107.18282	3528.31361	7332.88806	1303.94607
SpPi	55703.94309	3095.12774	7372.92092	1439.22882



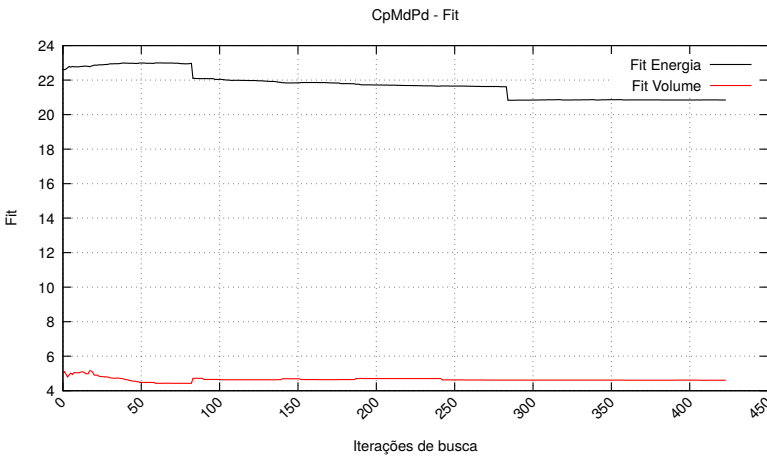
(a) Volume



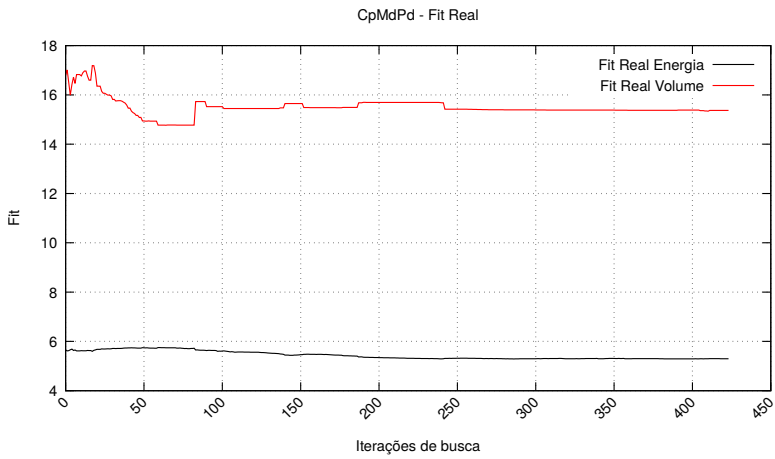
(b) Energia

7 SubSistema 4

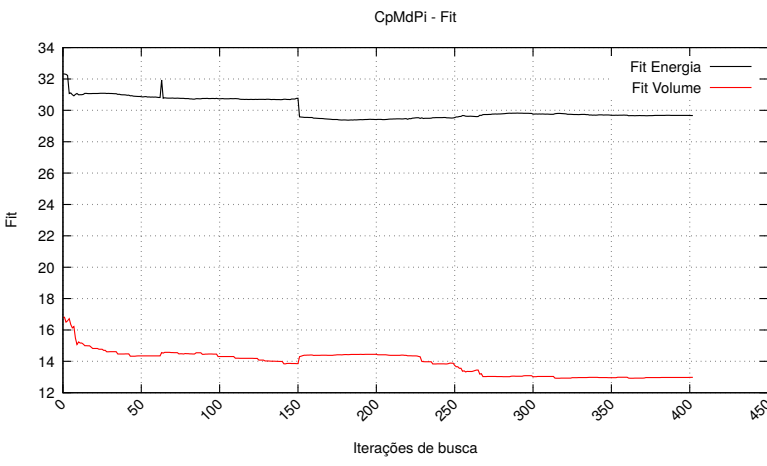
7.1 Fit/RealFit



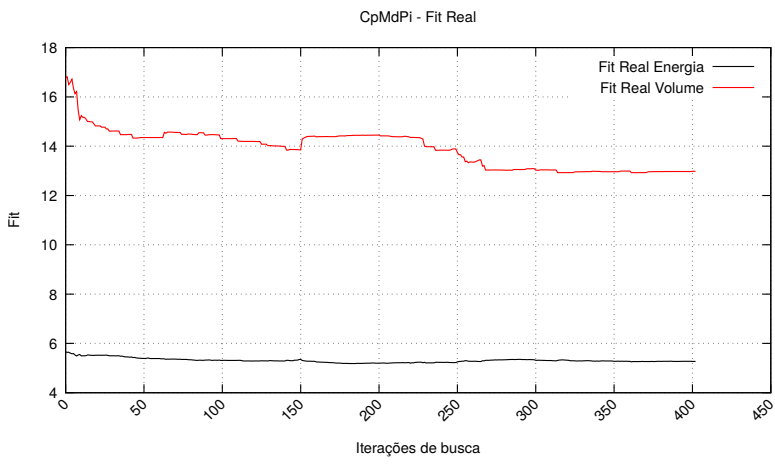
(a) CpMdPd



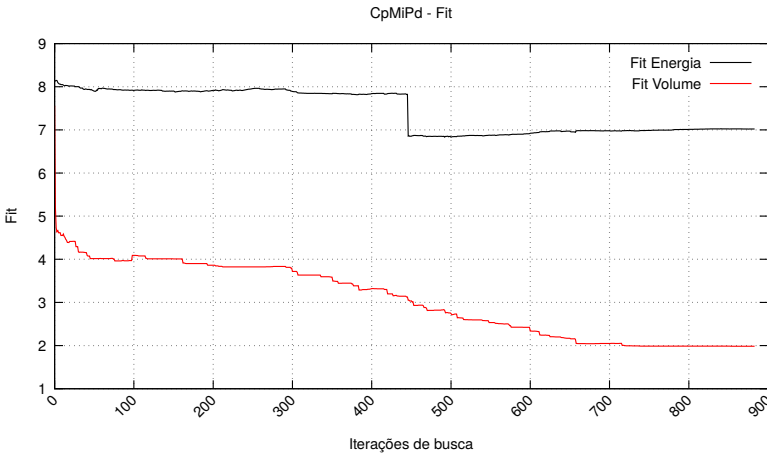
(b) CpMdPd



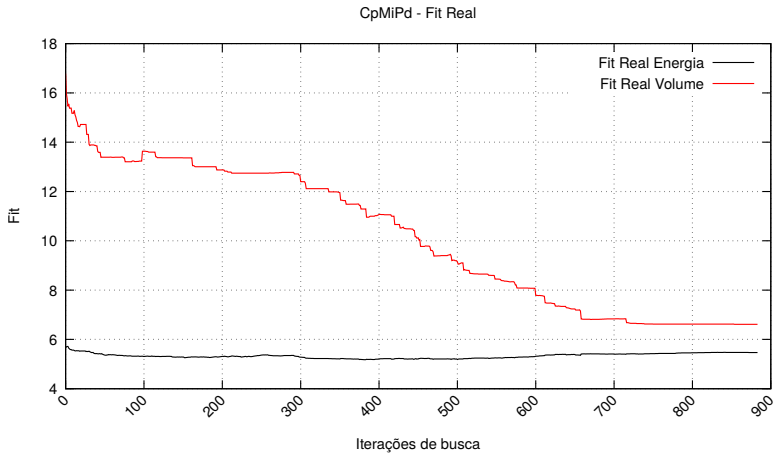
(a) CpMdPi



(b) CpMdPi

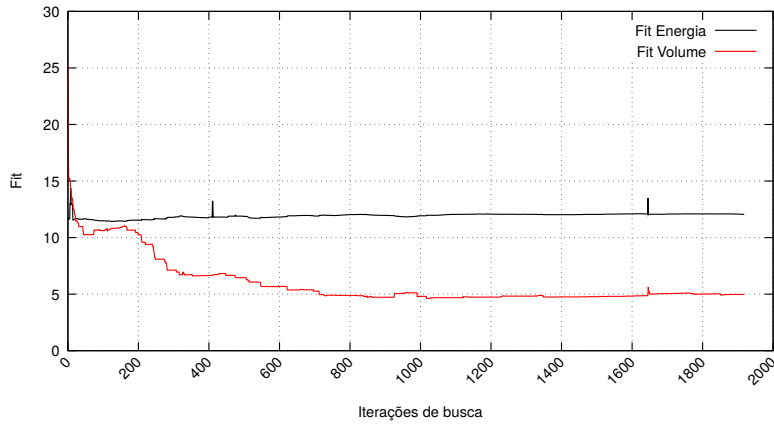


(a) CpMiPd



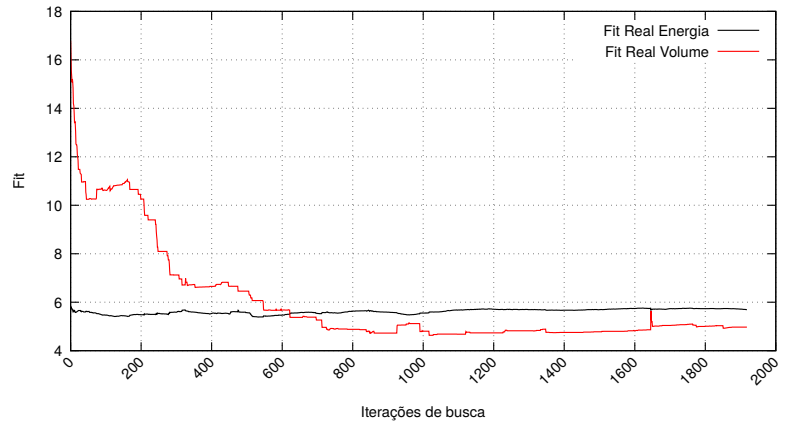
(b) CpMiPd

CpMiPi - Fit



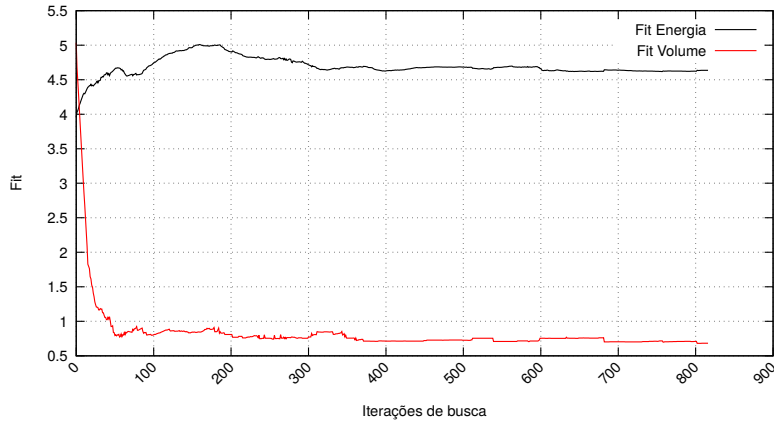
(a) CpMiPi

CpMiPi - Fit Real



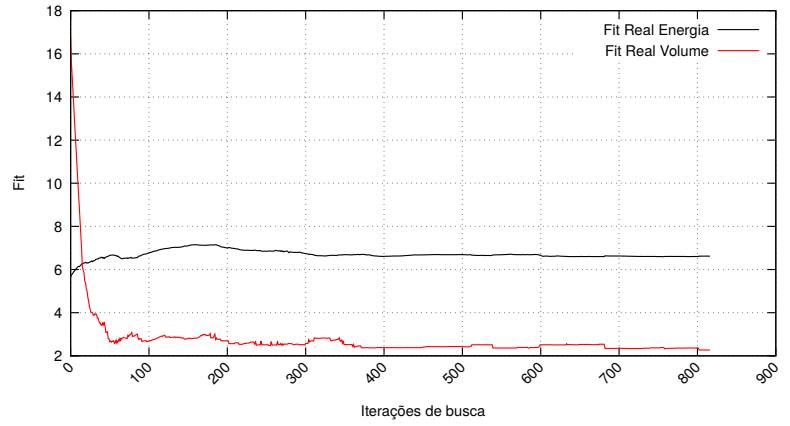
(b) CpMiPi

SpPd - Fit



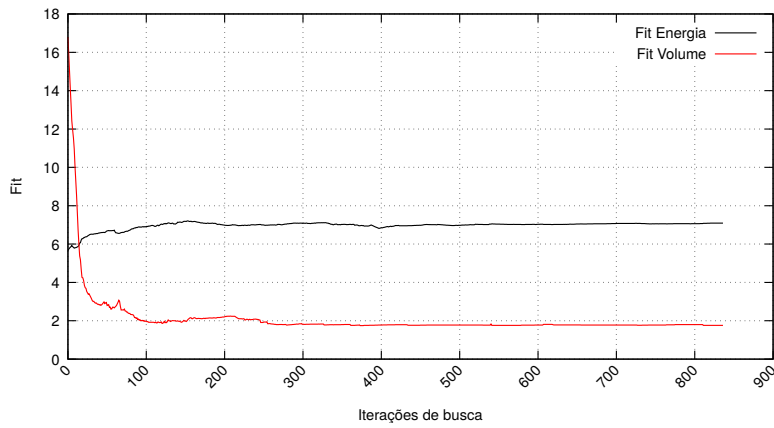
(a) SpPd

SpPd - Fit Real



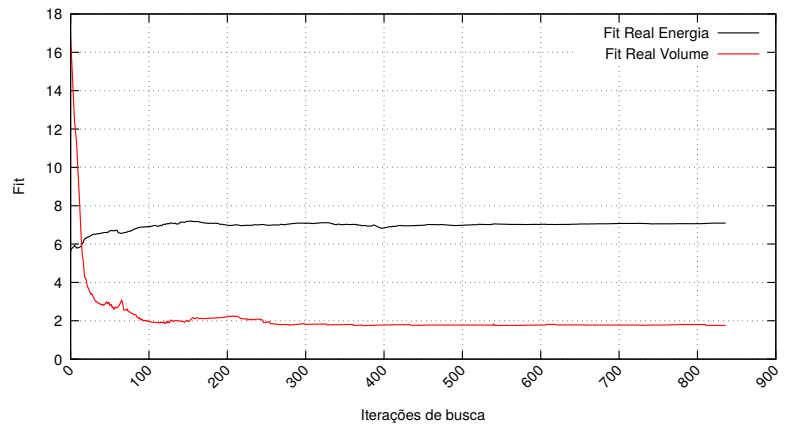
(b) SpPd

SpPi - Fit



(a) SpPi

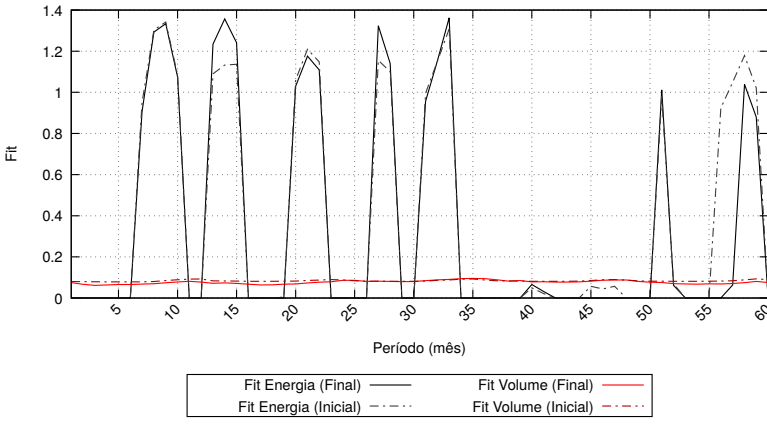
SpPi - Fit Real



(b) SpPi

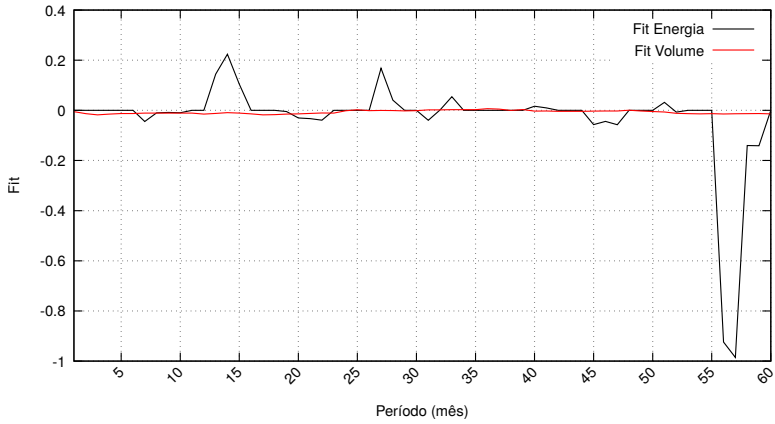
7.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



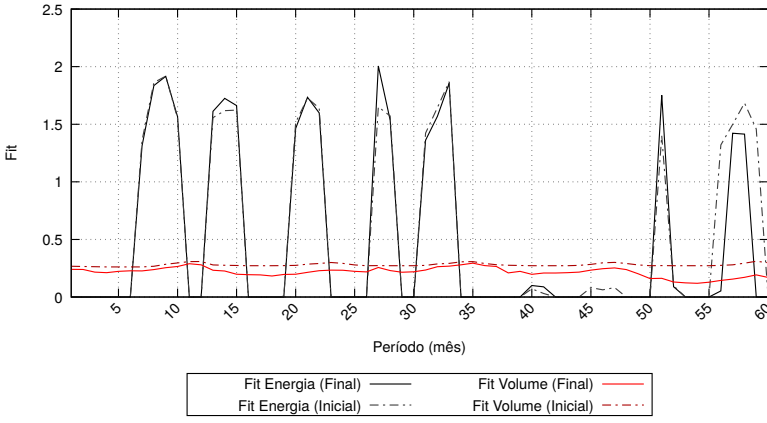
(a) CpMdPd

CpMdPd - Fit - Diferença



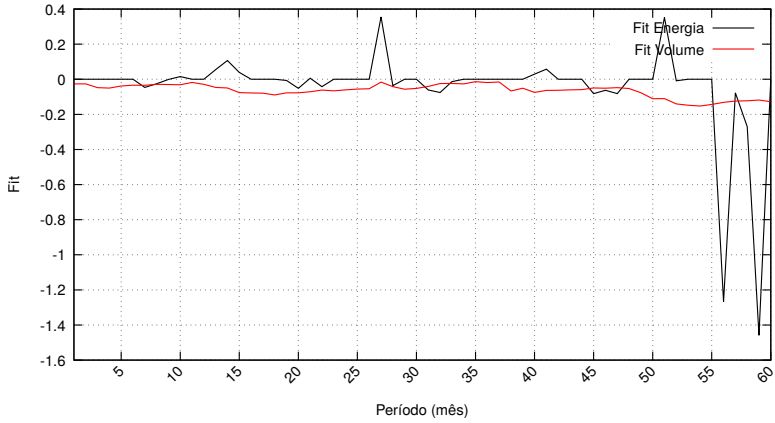
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



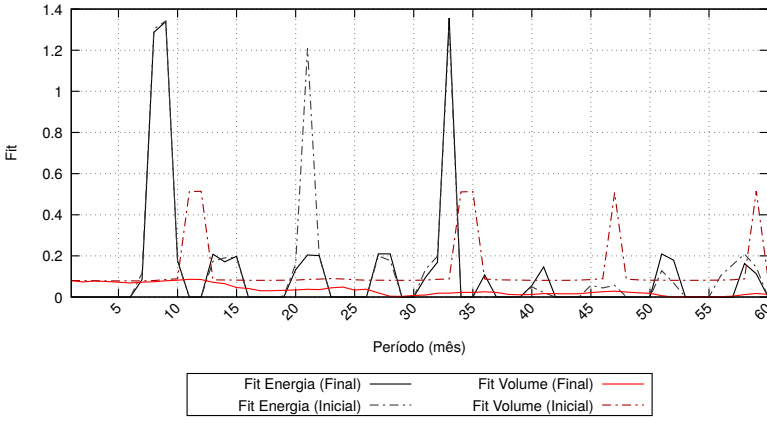
(a) CpMdPi

CpMdPi - Fit - Diferença



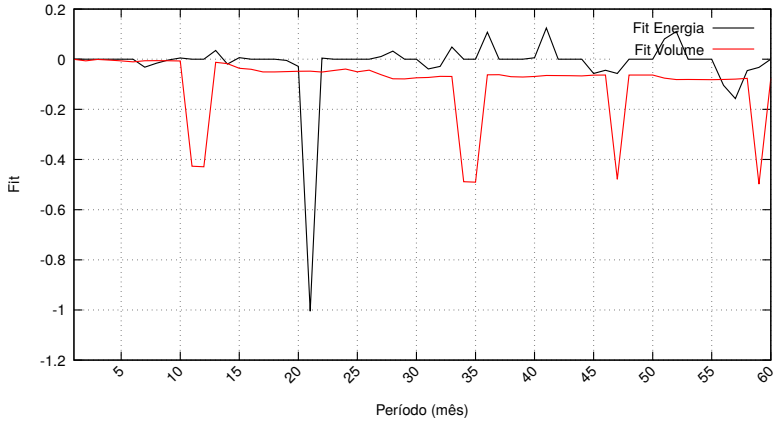
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



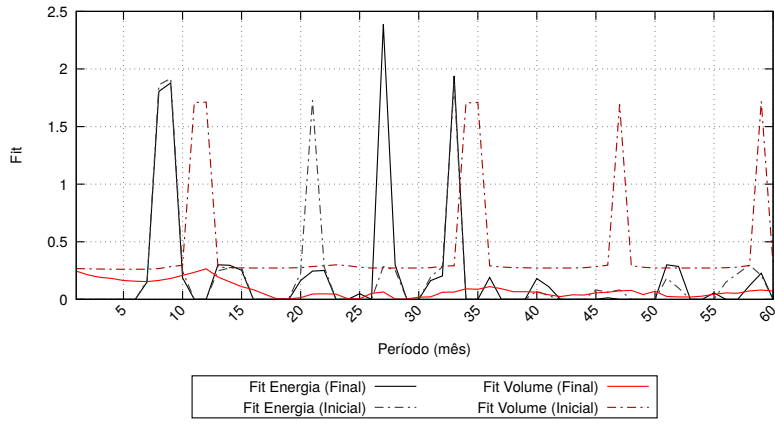
(a) CpMiPd

CpMiPd - Fit - Diferença



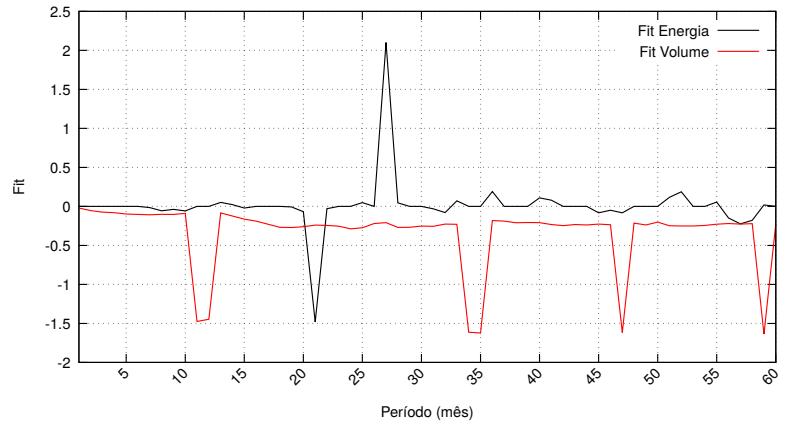
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



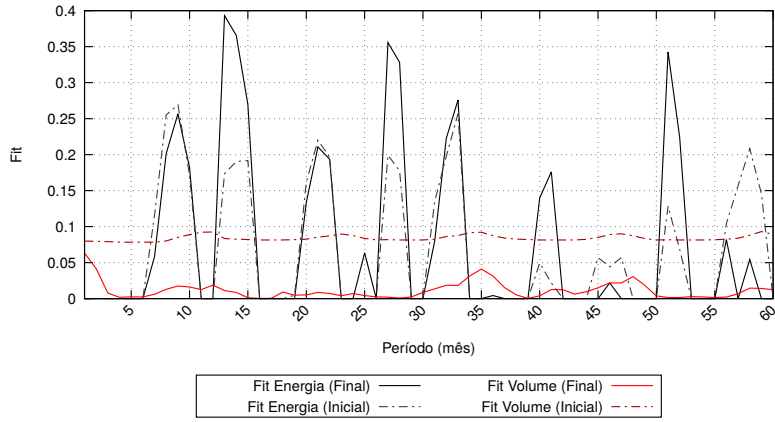
(a) CpMiPi

CpMiPi - Fit - Diferença



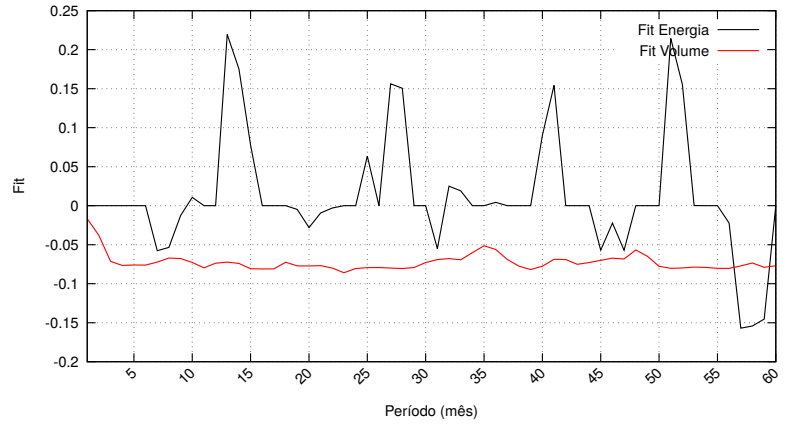
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



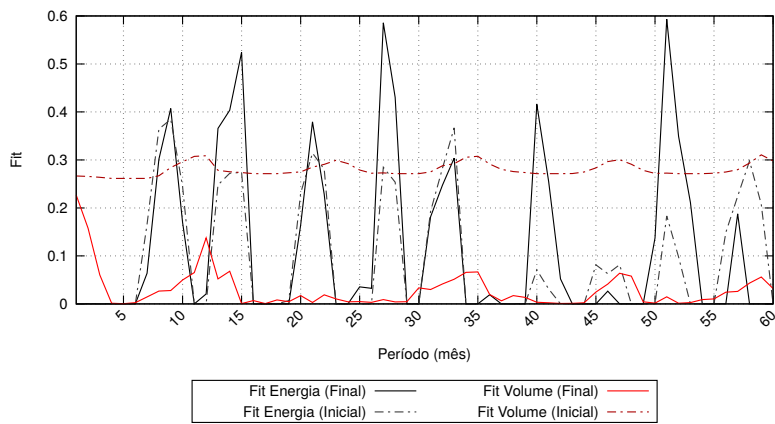
(a) SpPd

SpPd - Fit - Diferença



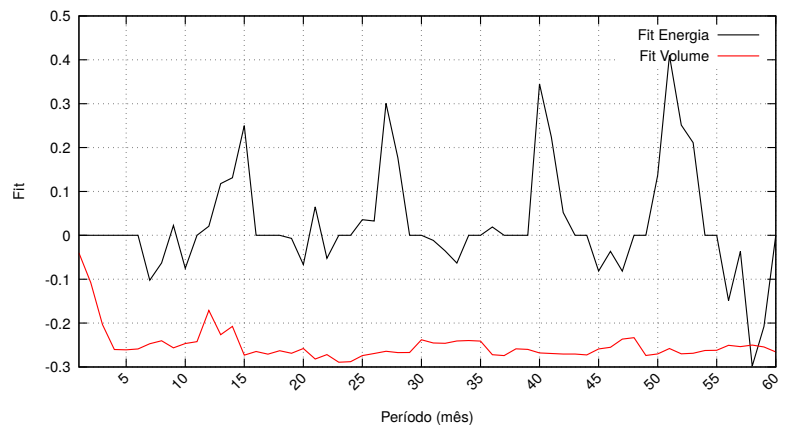
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



(a) SpPi

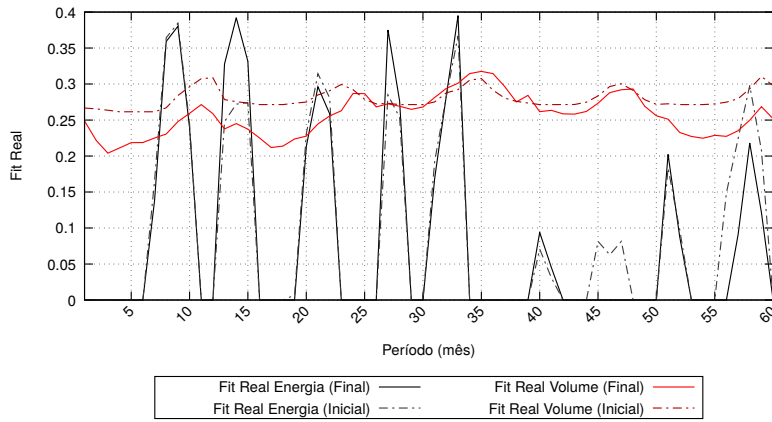
SpPi - Fit - Diferença



(b) SpPi

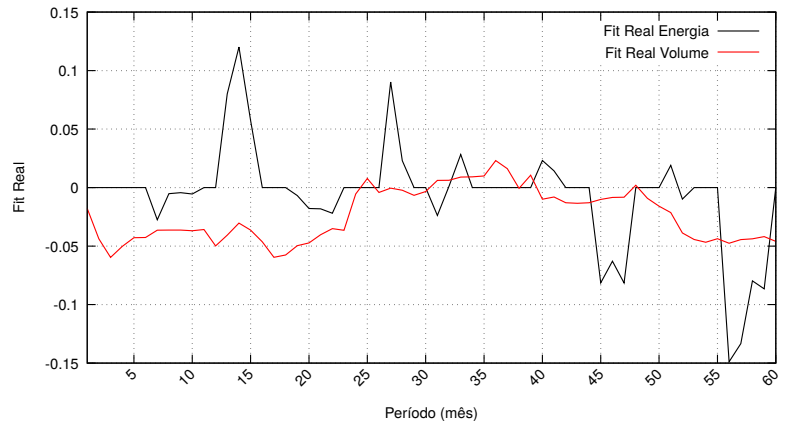
7.3 Energia/Volume RealFit

CpMdPd - Real Fit - Plano Inicial x Plano Final



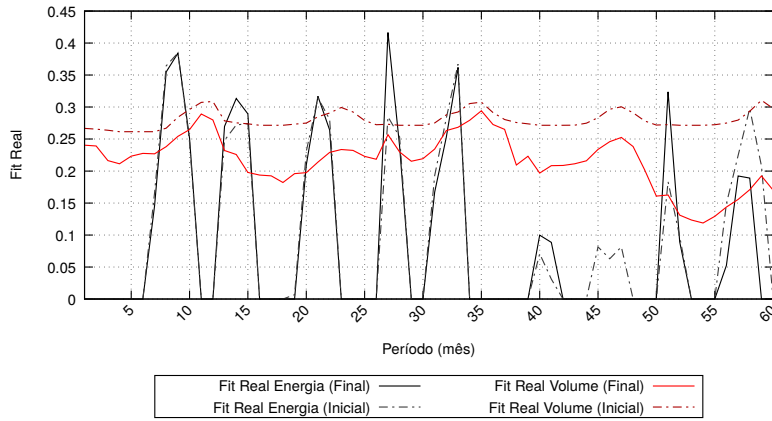
(a) CpMdPd

CpMdPd - Real Fit - Diferença



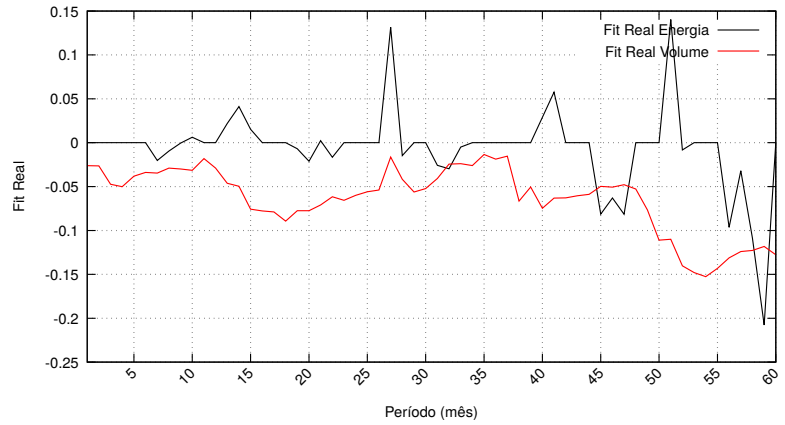
(b) CpMdPd

CpMdPi - Real Fit - Plano Inicial x Plano Final



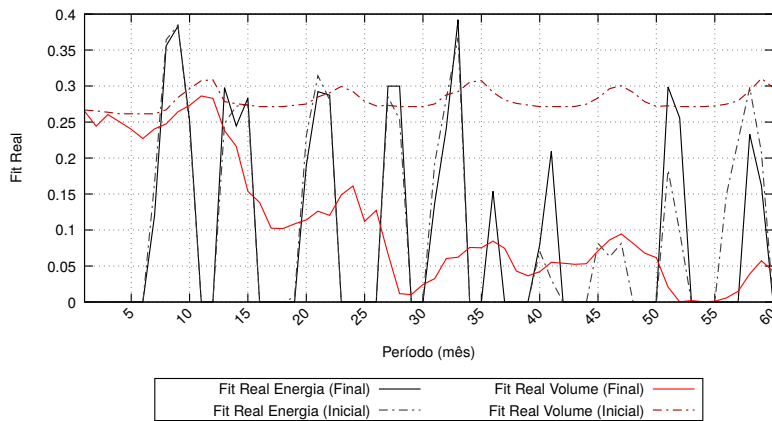
(a) CpMdPi

CpMdPi - Real Fit - Diferença



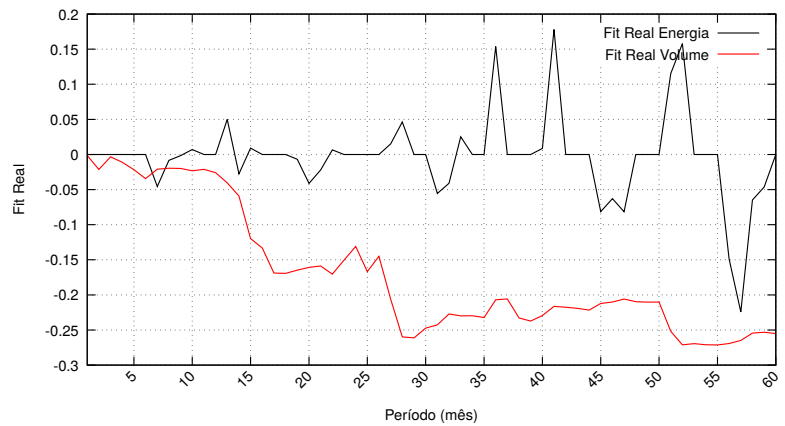
(b) CpMdPi

CpMiPd - Real Fit - Plano Inicial x Plano Final



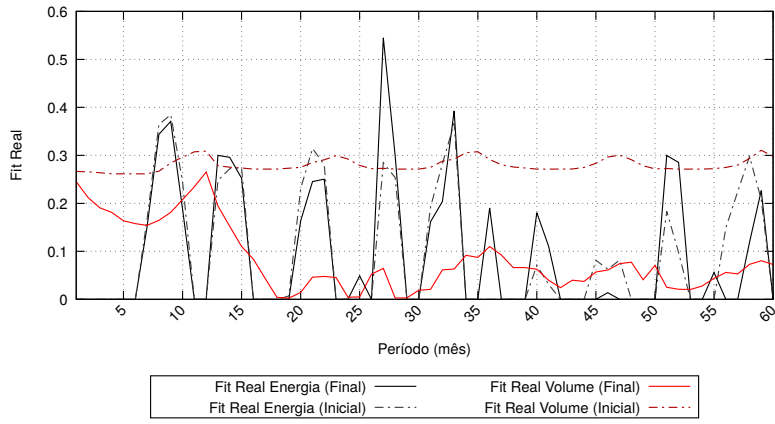
(a) CpMiPd

CpMiPd - Real Fit - Diferença



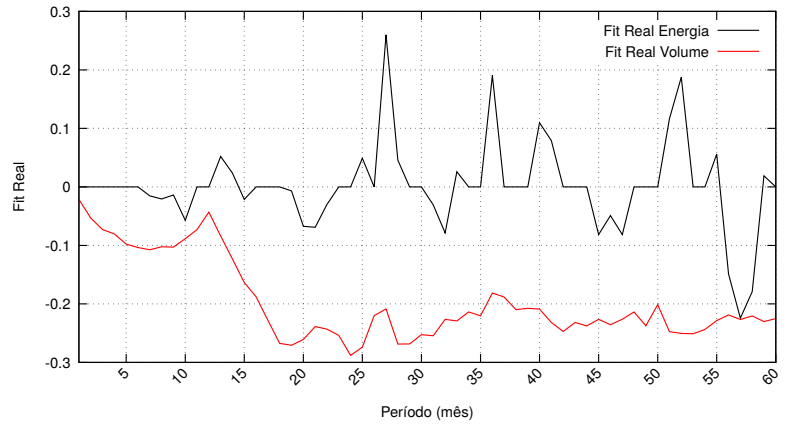
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



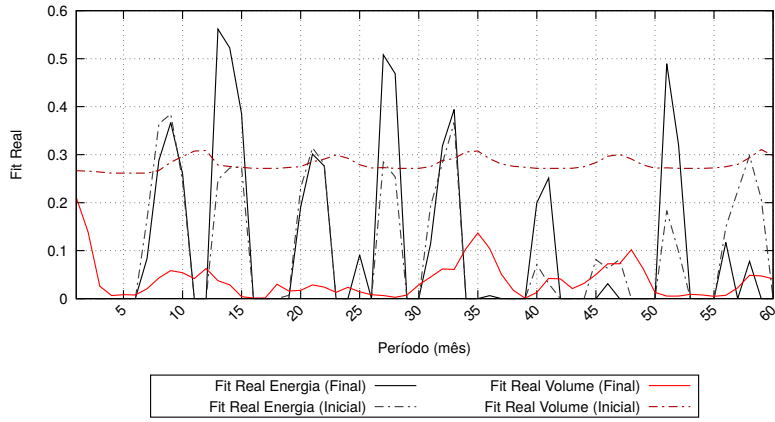
(a) CpMiPi

CpMiPi - Real Fit - Diferença



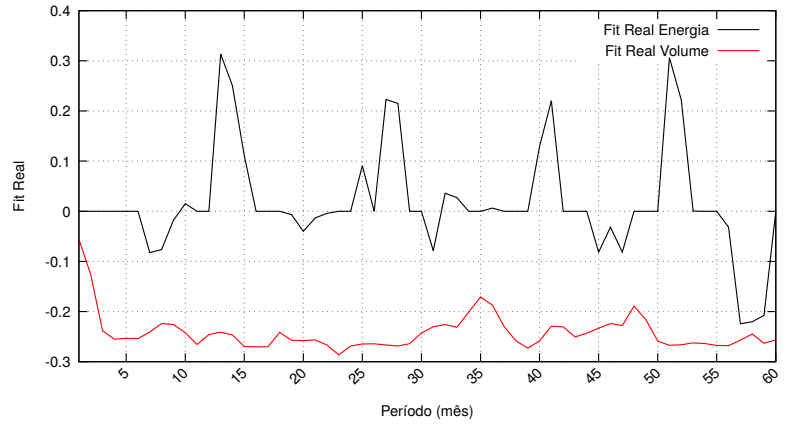
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



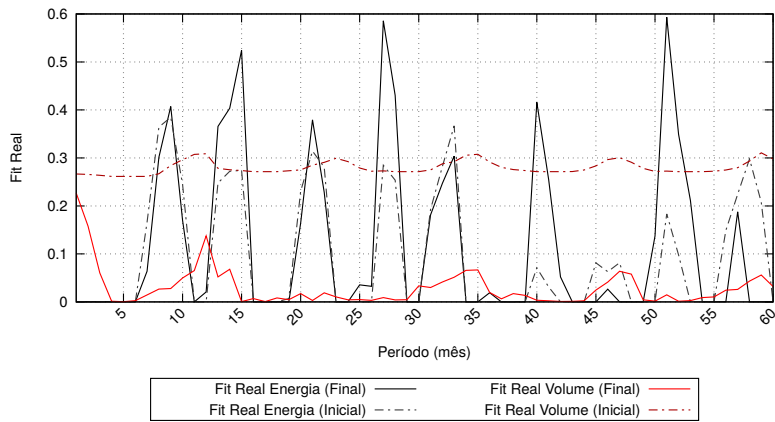
(a) SpPd

SpPd - Real Fit - Diferença



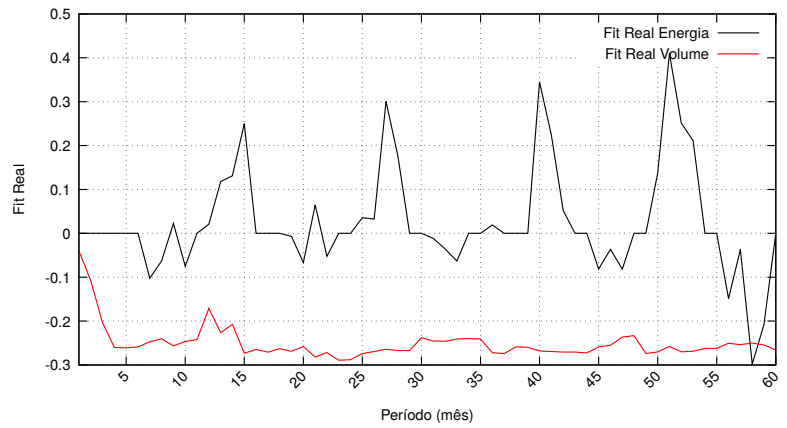
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

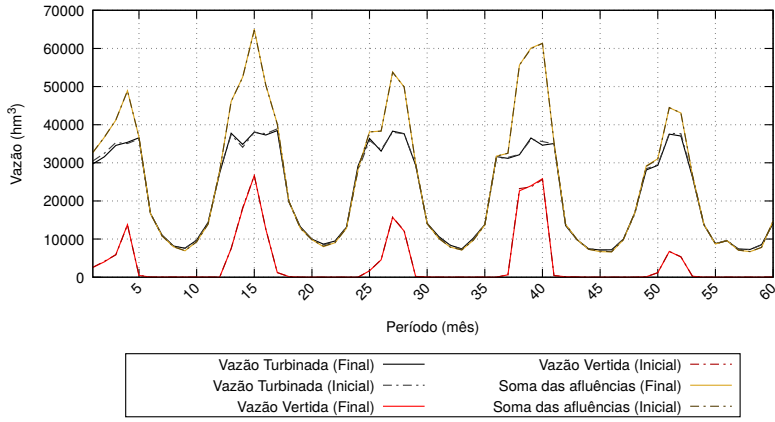
SpPi - Real Fit - Diferença



(b) SpPi

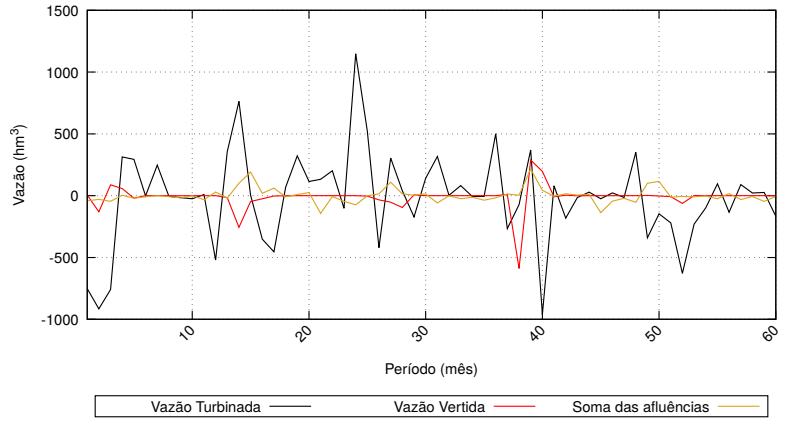
7.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



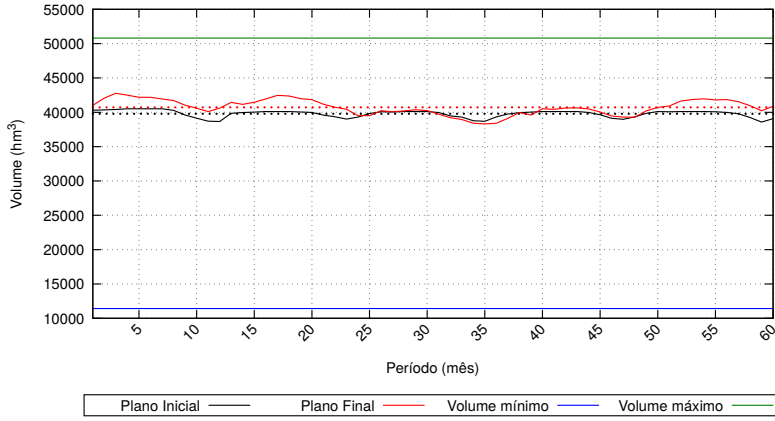
(a) CpMdPd

CpMdPd - Vazão - Diferença



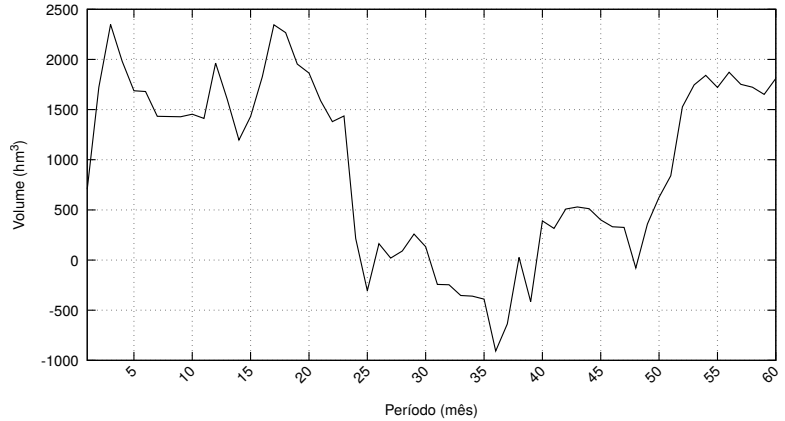
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



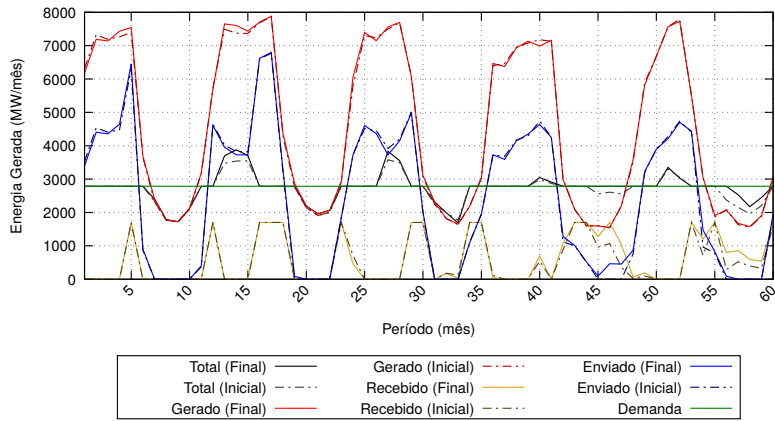
(a) CpMdPd

CpMdPd - Volume - Diferença



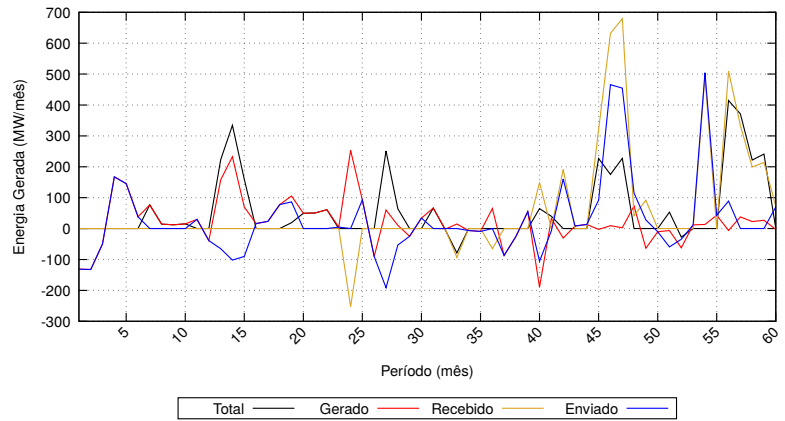
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

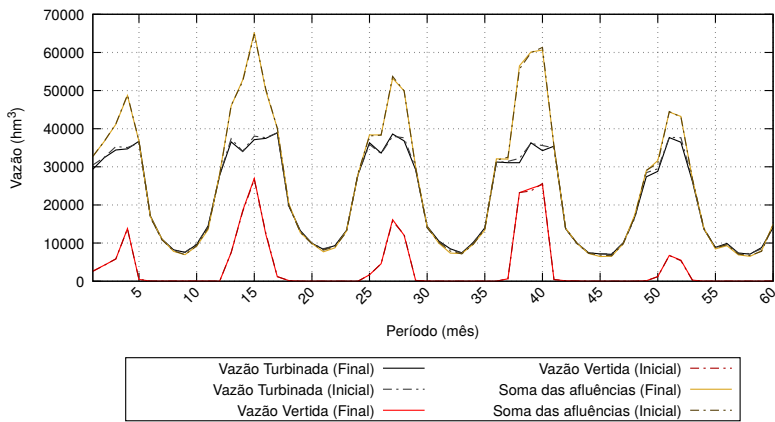
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

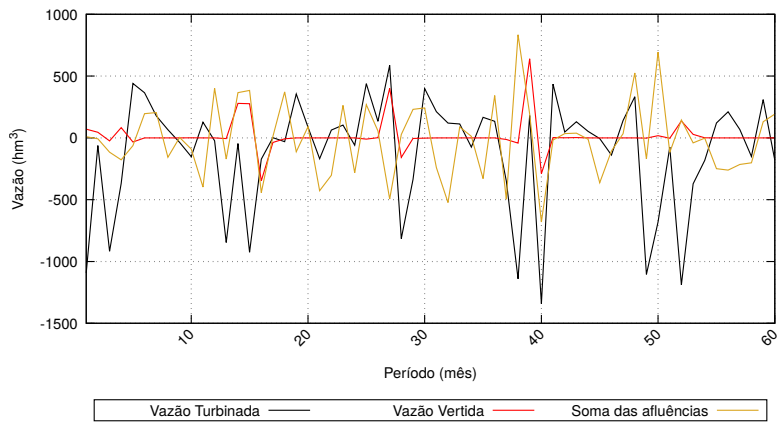
7.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



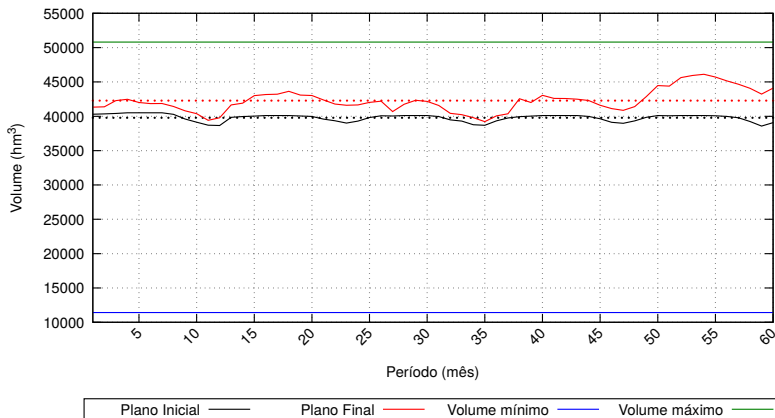
(a) CpMdPi

CpMdPi - Vazão - Diferença



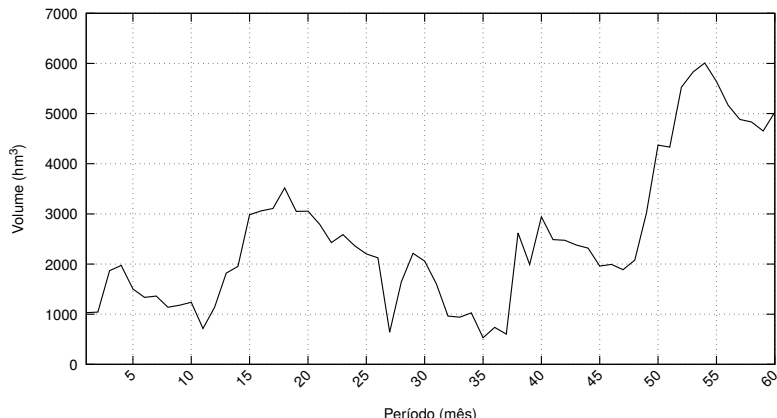
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



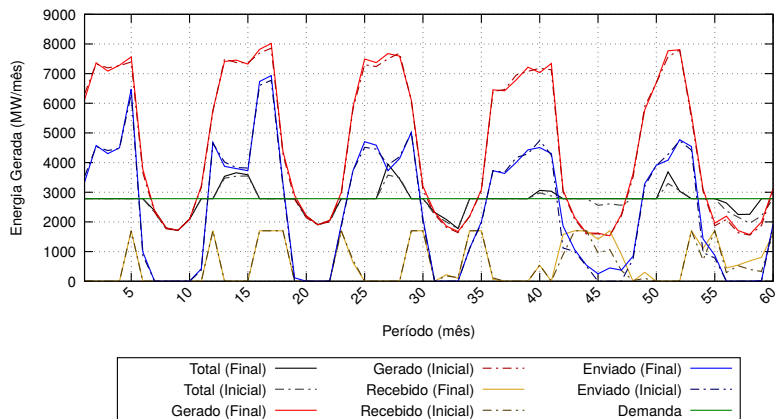
(a) CpMdPi

CpMdPi - Volume - Diferença



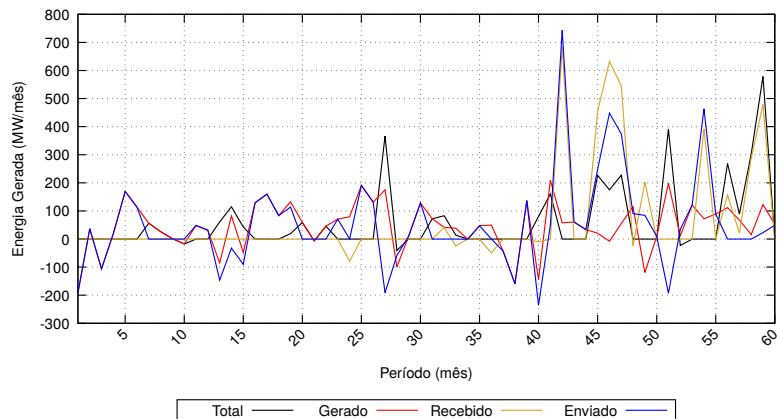
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



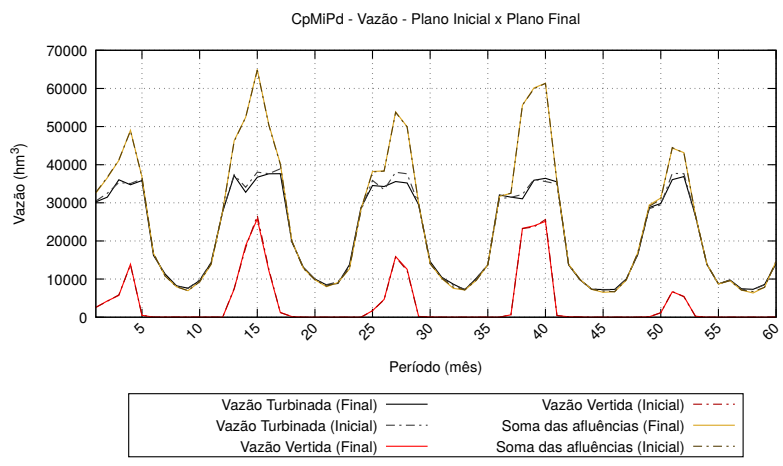
(a) CpMdPi

CpMdPi - Energia Gerada - Diferença

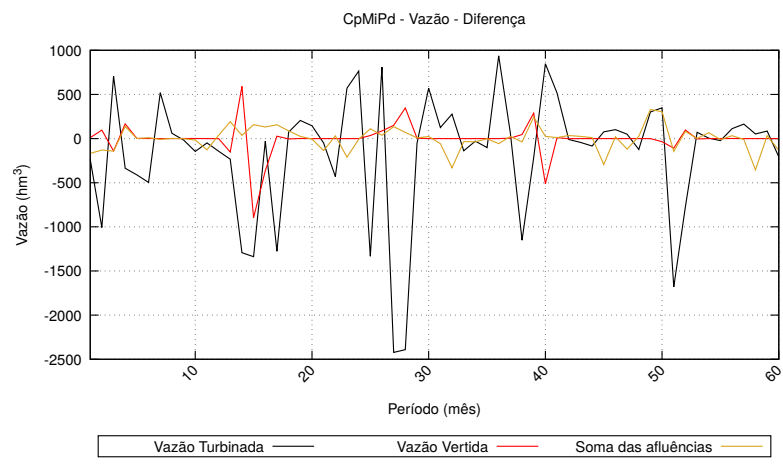


(b) CpMdPi

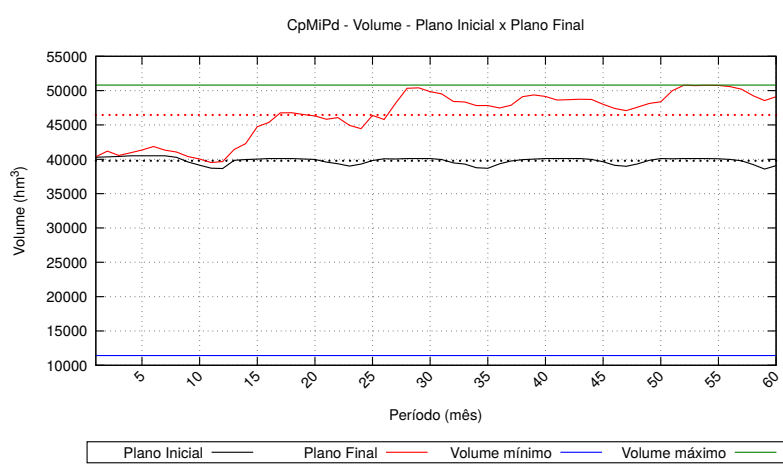
7.6 Resultados - CpMiPd



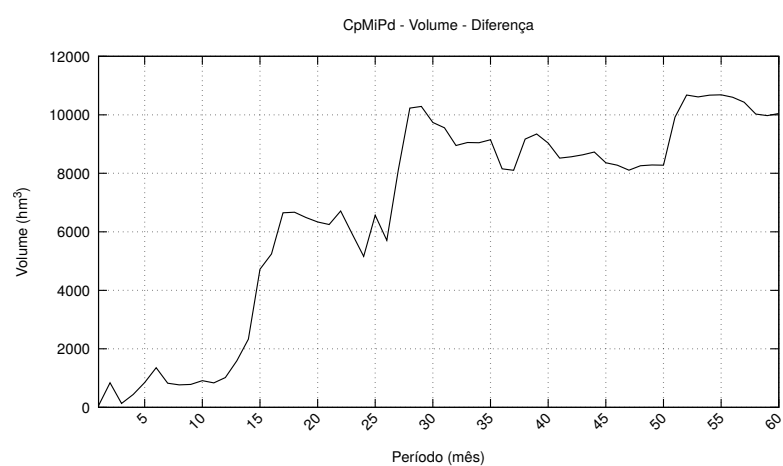
(a) CpMiPd



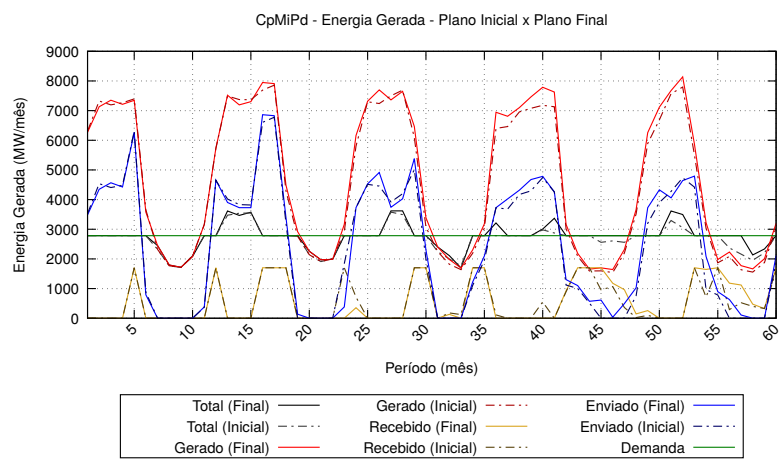
(b) CpMiPd



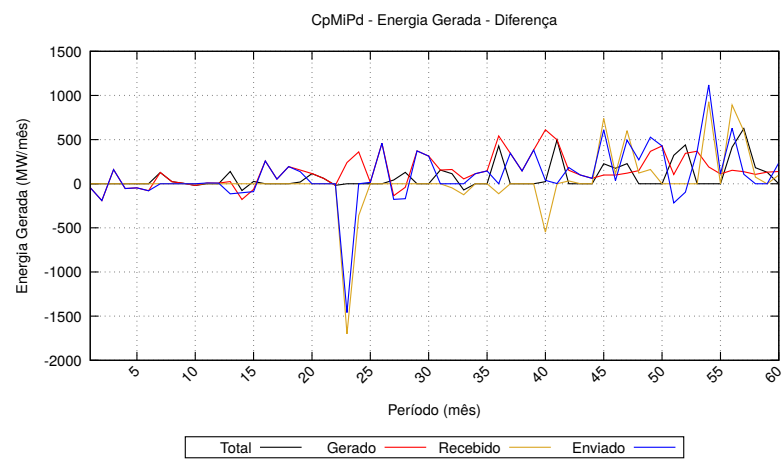
(a) CpMiPd



(b) CpMiPd



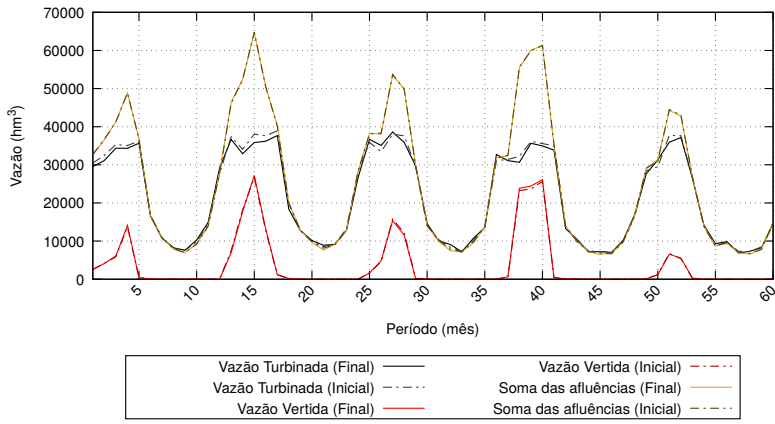
(a) CpMiPd



(b) CpMiPd

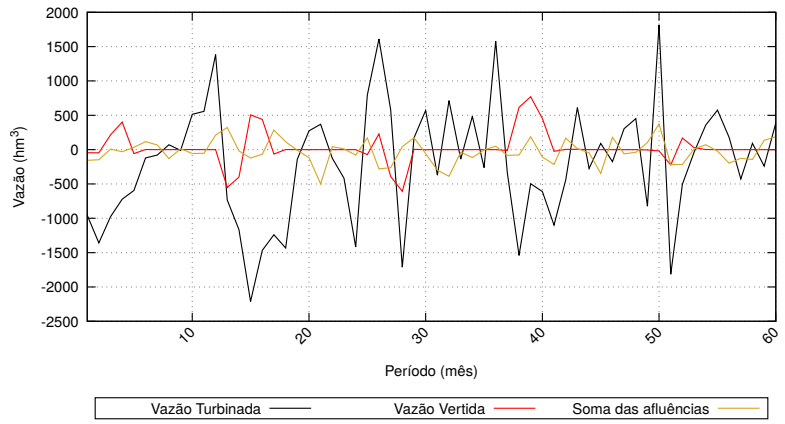
7.7 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



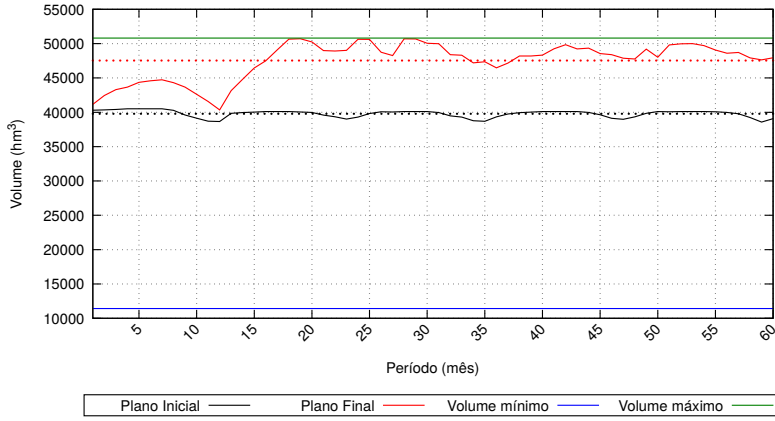
(a) CpMiPi

CpMiPi - Vazão - Diferença



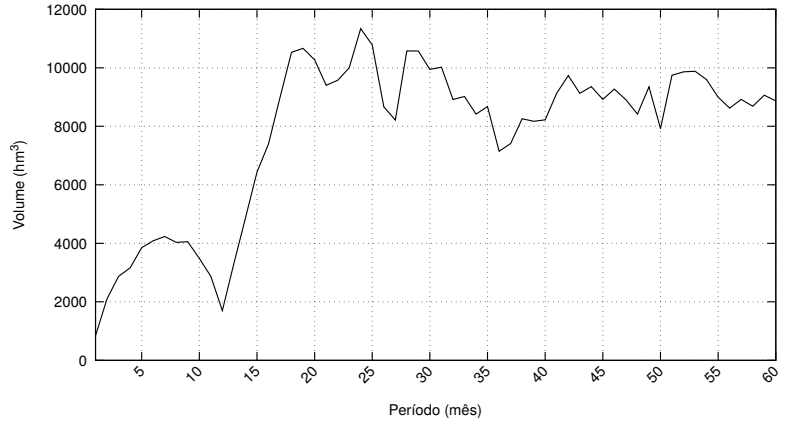
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



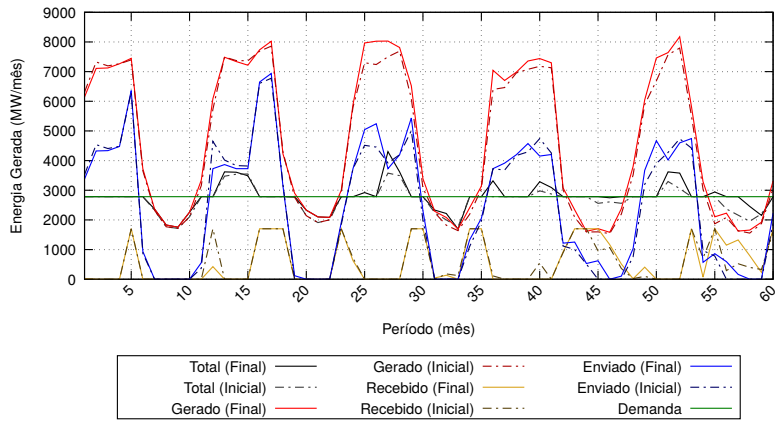
(a) CpMiPi

CpMiPi - Volume - Diferença



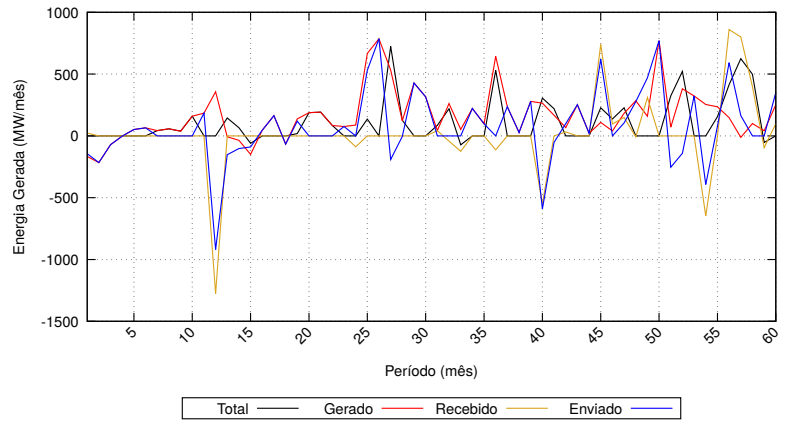
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

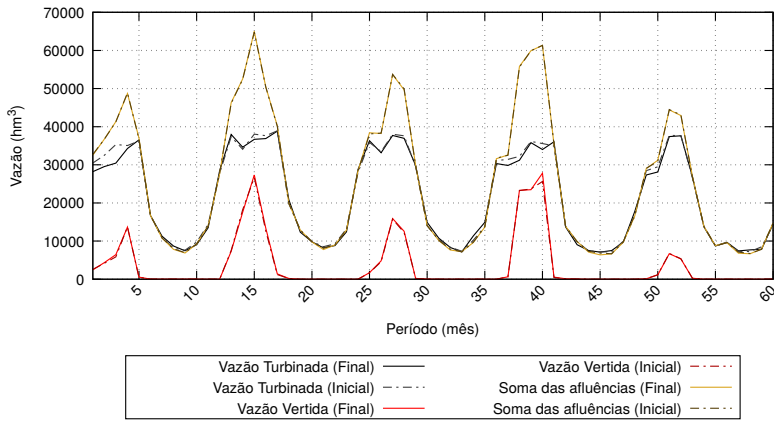
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

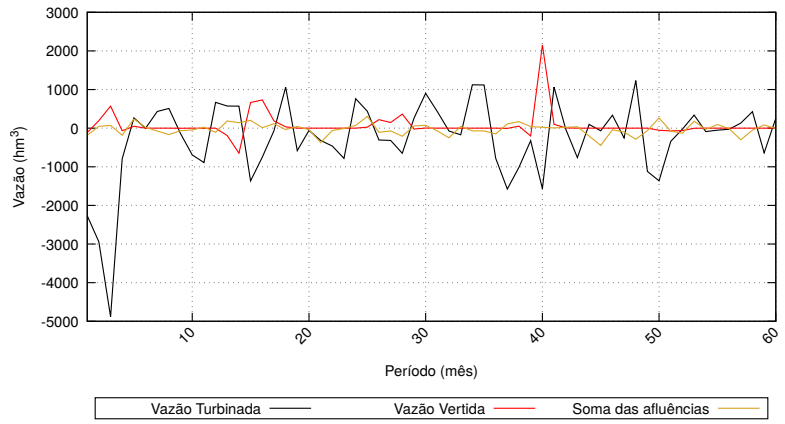
7.8 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



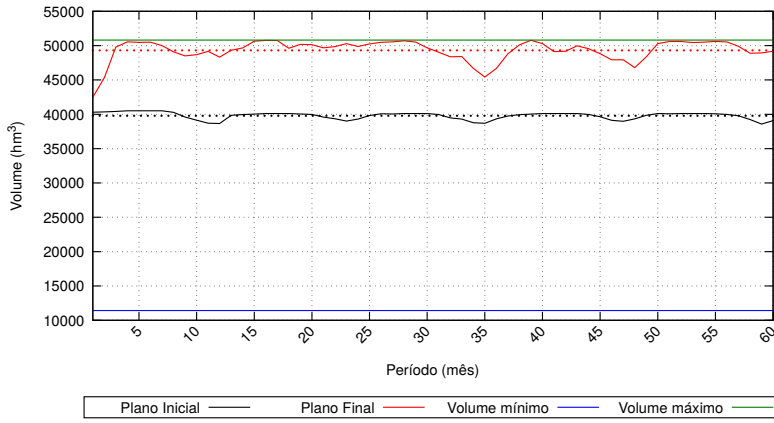
(a) SpPd

SpPd - Vazão - Diferença



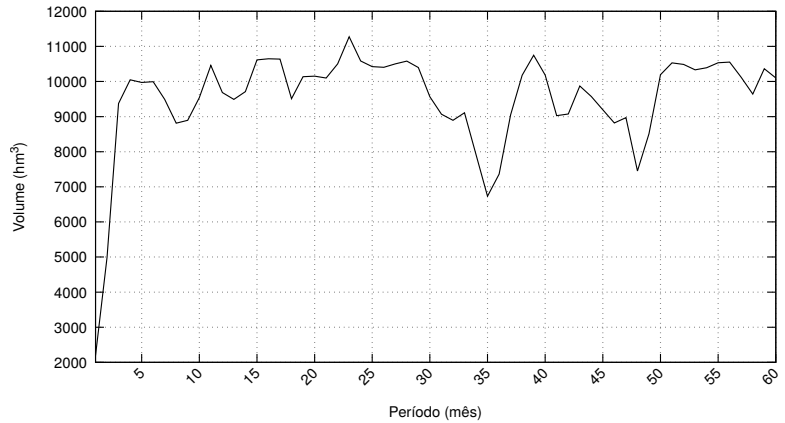
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



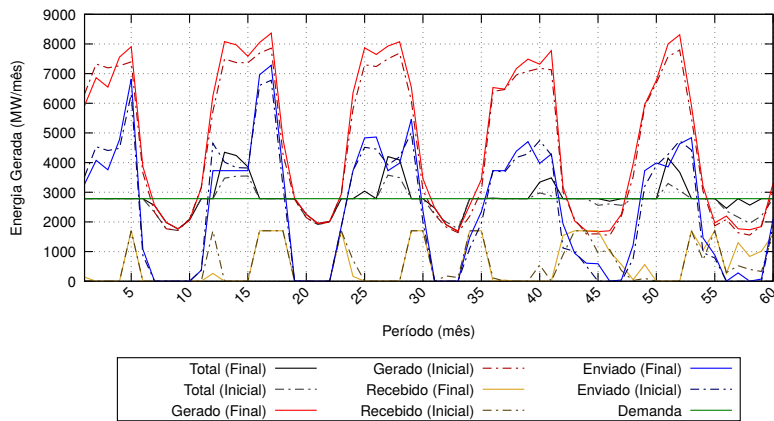
(a) SpPd

SpPd - Volume - Diferença



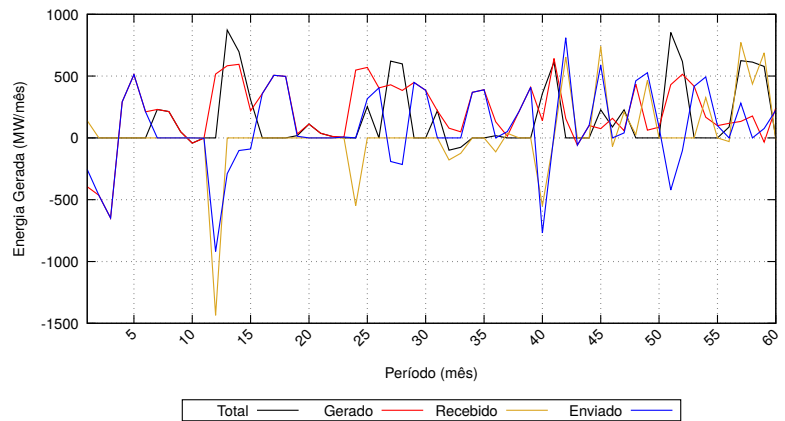
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

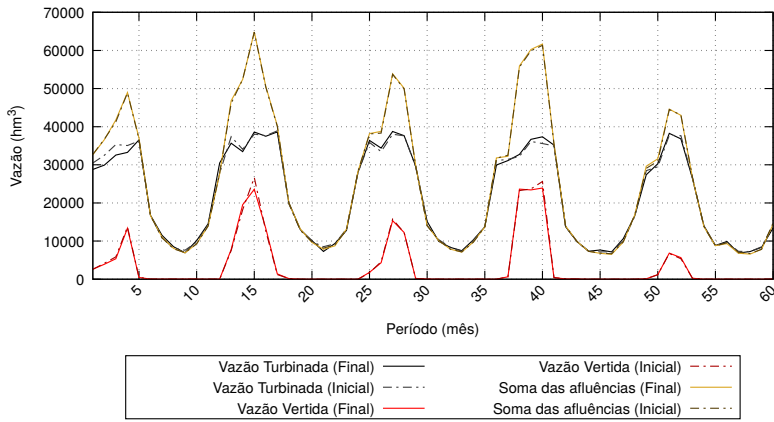
SpPd - Energia Gerada - Diferença



(b) SpPd

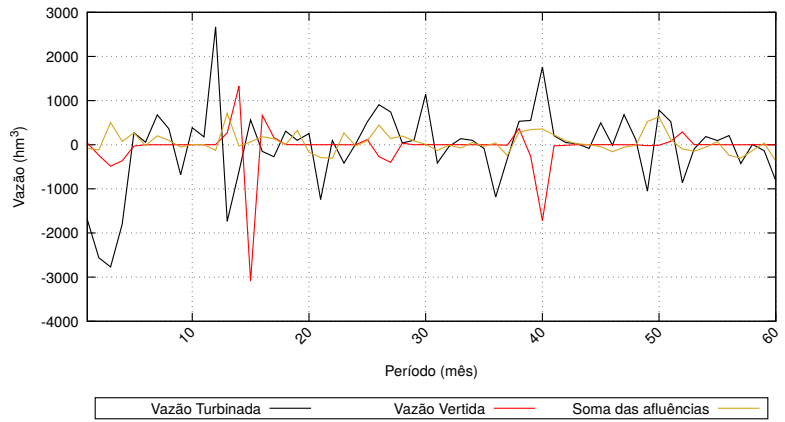
7.9 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



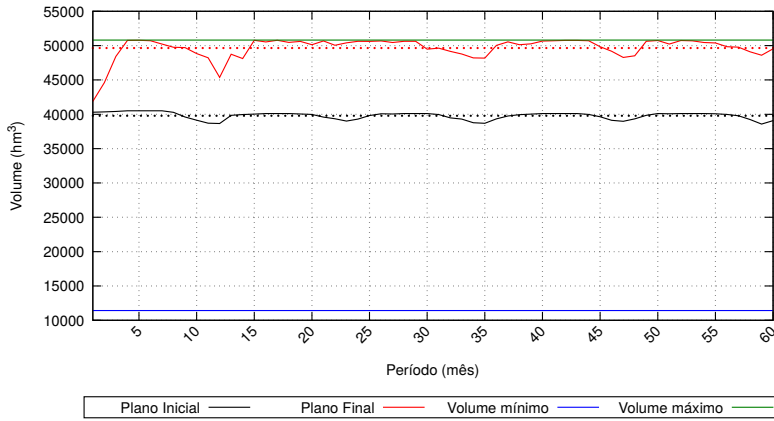
(a) SpPi

SpPi - Vazão - Diferença



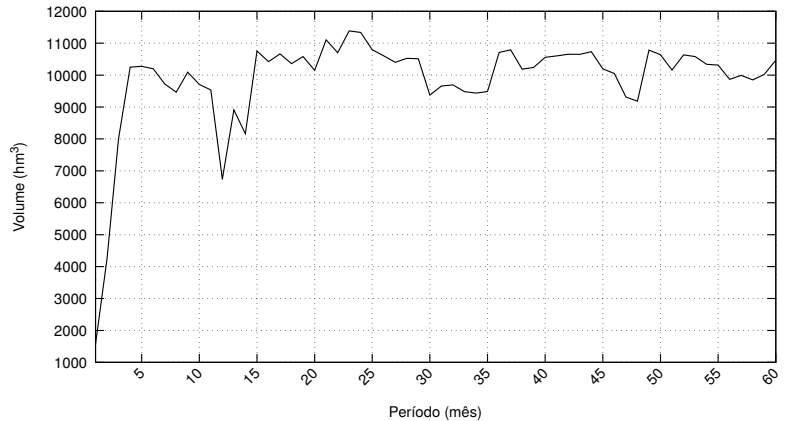
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



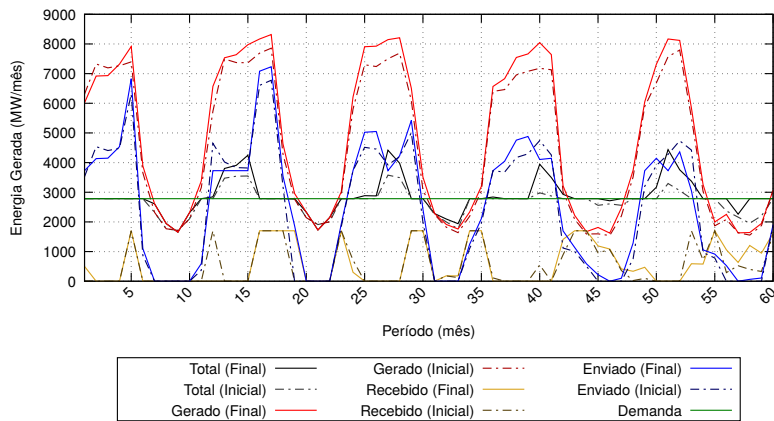
(a) SpPi

SpPi - Volume - Diferença



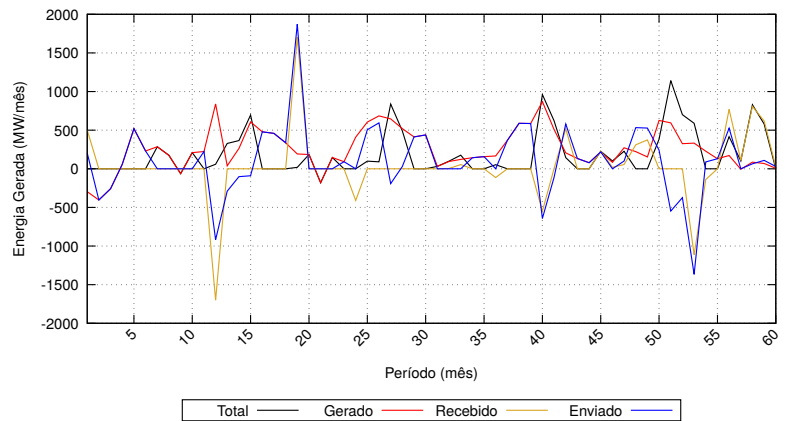
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

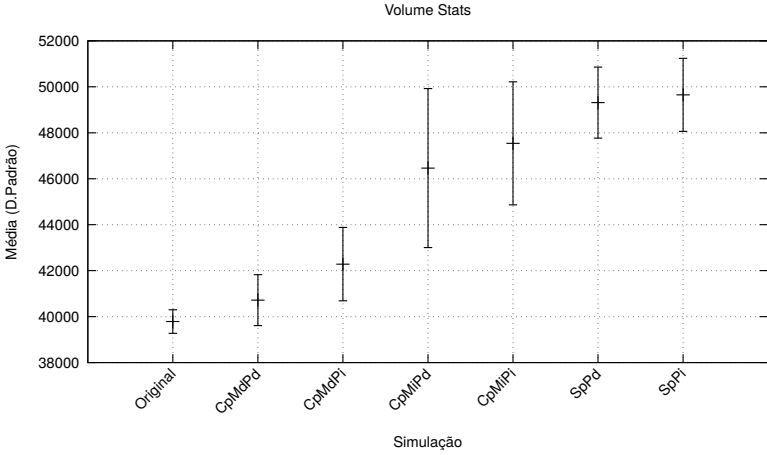


(b) SpPi

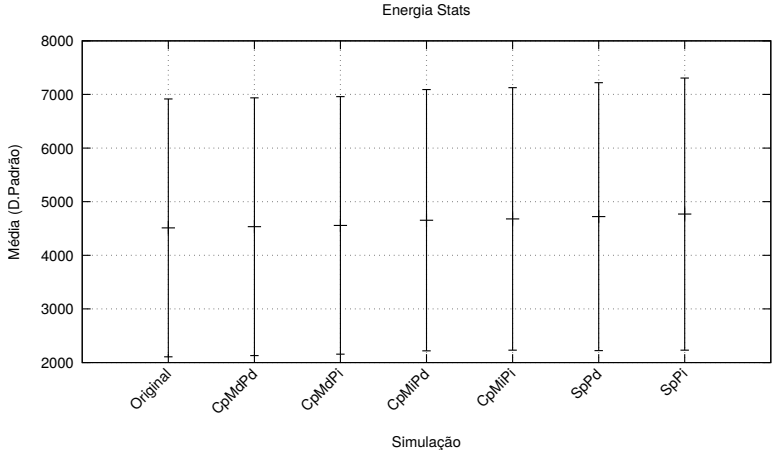
7.10 GPlan Stats

Tabela 12: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	39784.56039	513.94075	4511.97469	2404.10485
CpMdPd	40716.08517	1106.26231	4534.05635	2403.31537
CpMdPi	42283.39034	1596.91363	4557.94626	2401.47035
CpMiPd	46463.48880	3461.45757	4654.90590	2437.09477
CpMiPi	47541.93429	2678.55897	4679.39225	2447.40061
SpPd	49312.47619	1544.57187	4721.96988	2498.51707
SpPi	49648.50604	1588.55087	4768.90497	2538.46584



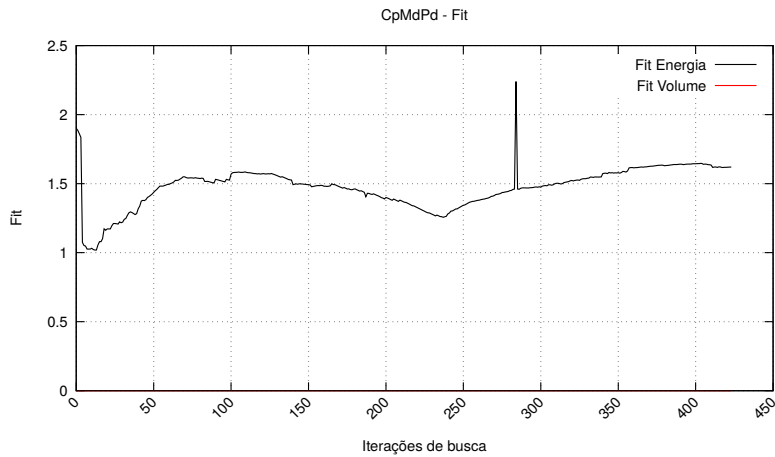
(a) Volume



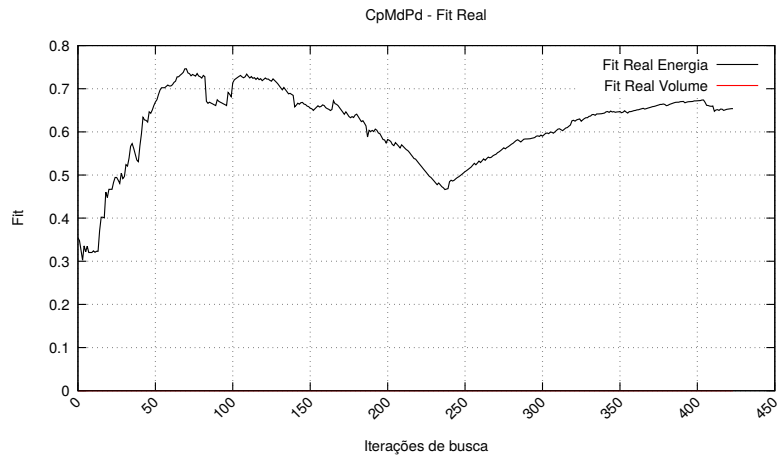
(b) Energia

8 SubSistema 5

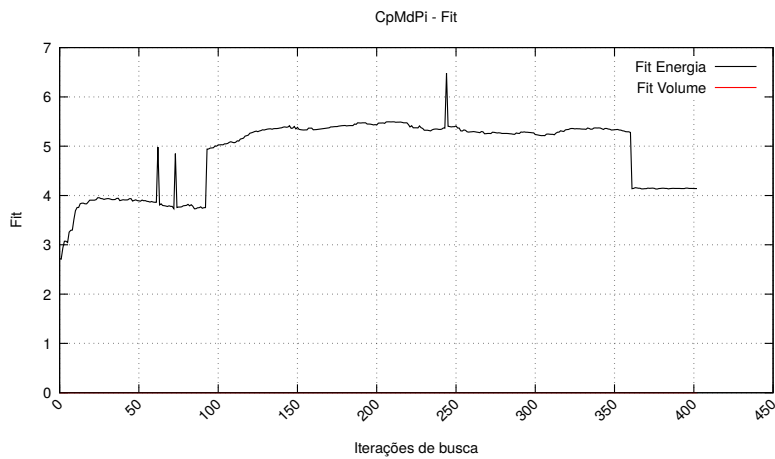
8.1 Fit/RealFit



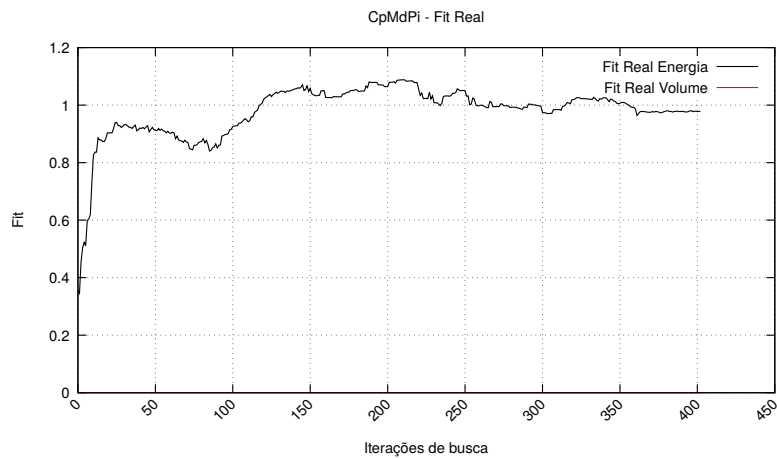
(a) CpMdPd



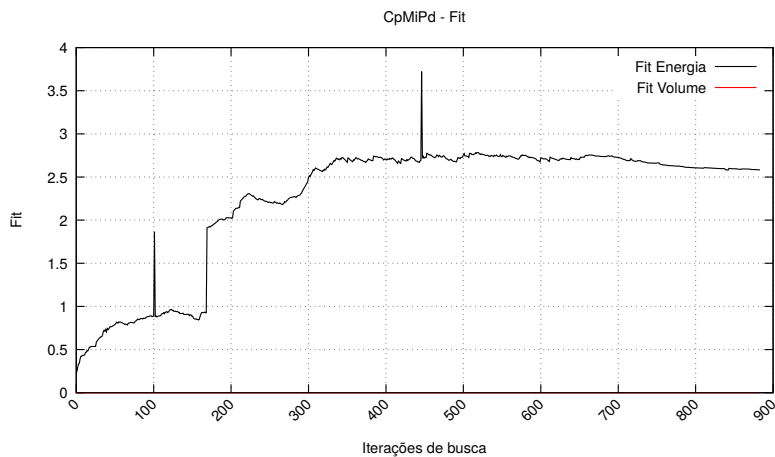
(b) CpMdPd



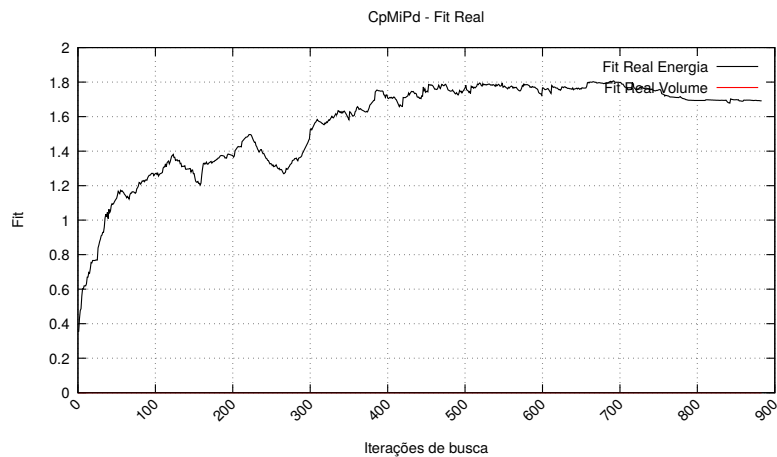
(a) CpMdPi



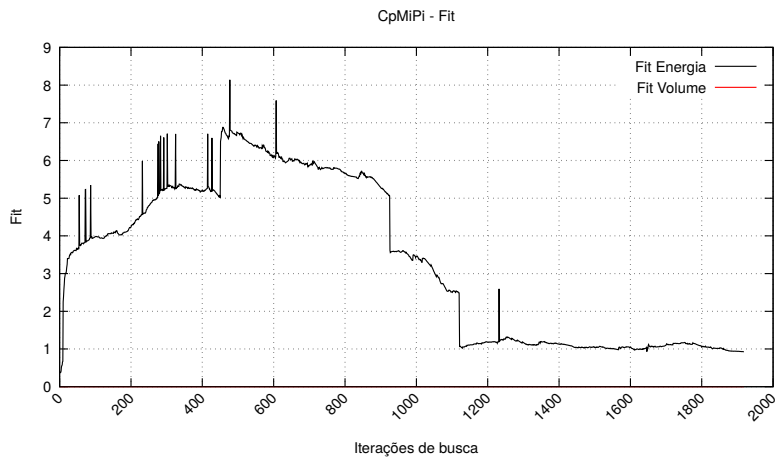
(b) CpMdPi



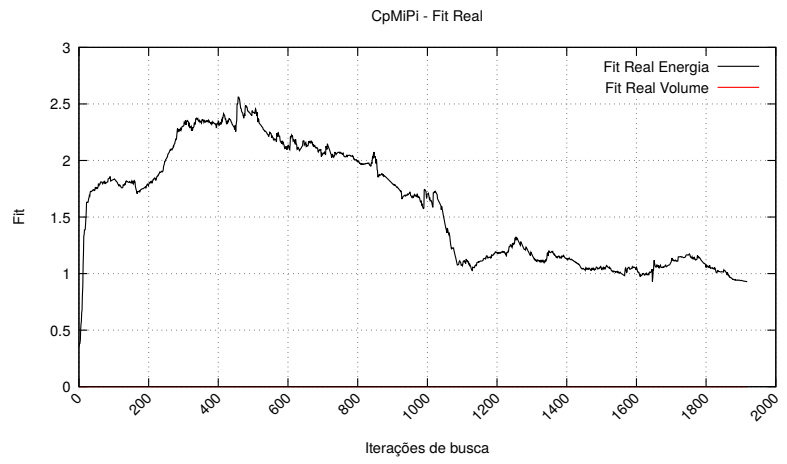
(a) CpMiPd



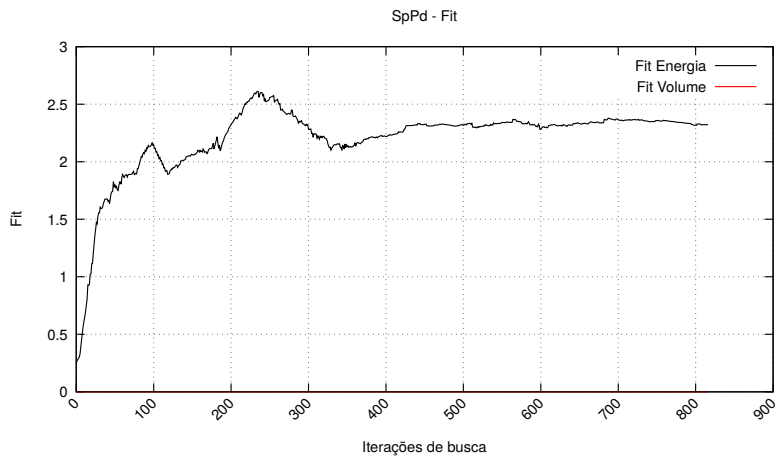
(b) CpMiPd



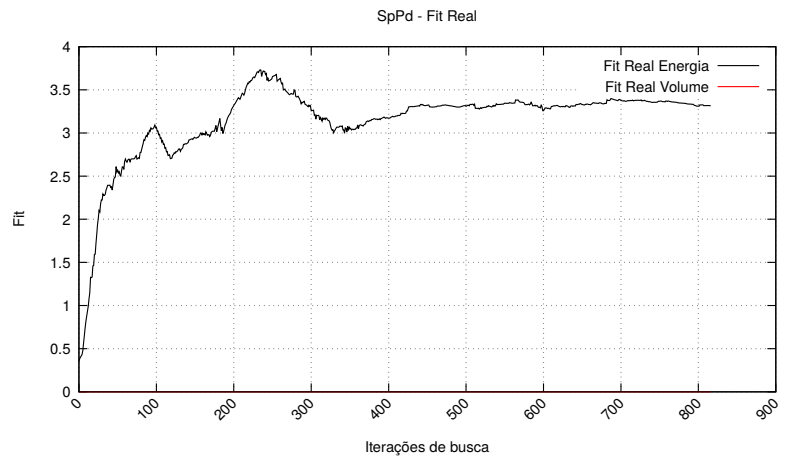
(a) CpMiPi



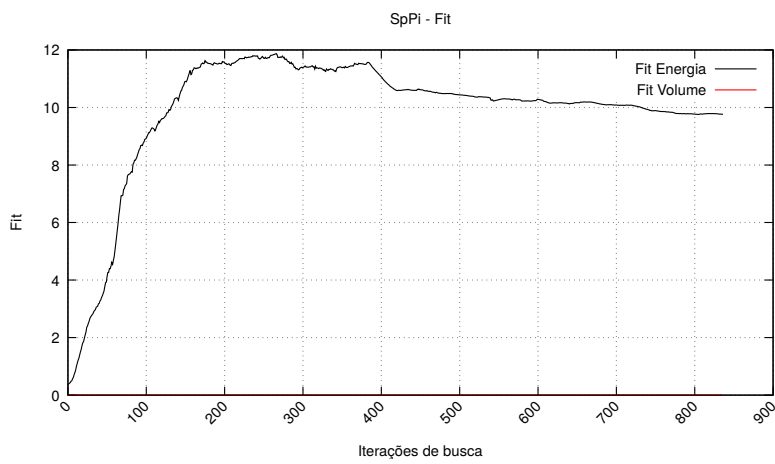
(b) CpMiPi



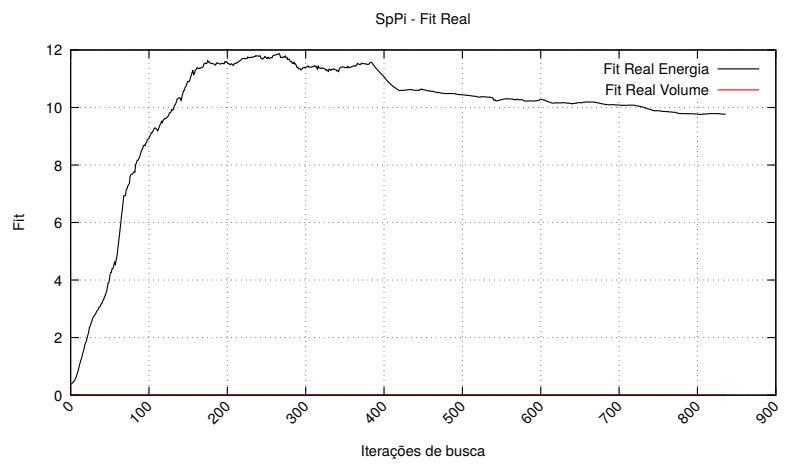
(a) SpPd



(b) SpPd



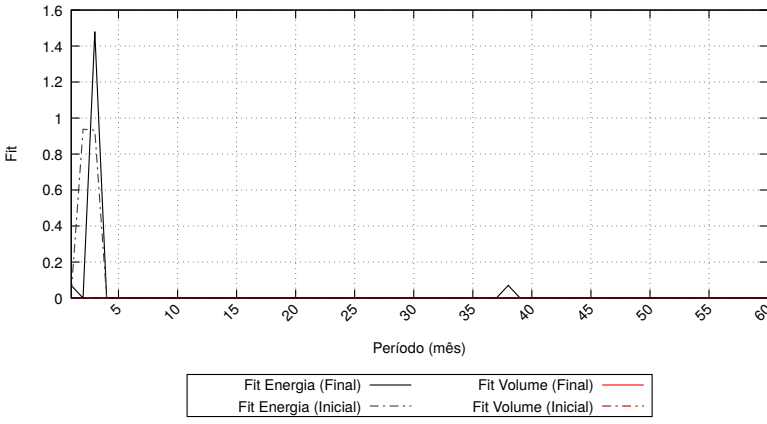
(a) SpPi



(b) SpPi

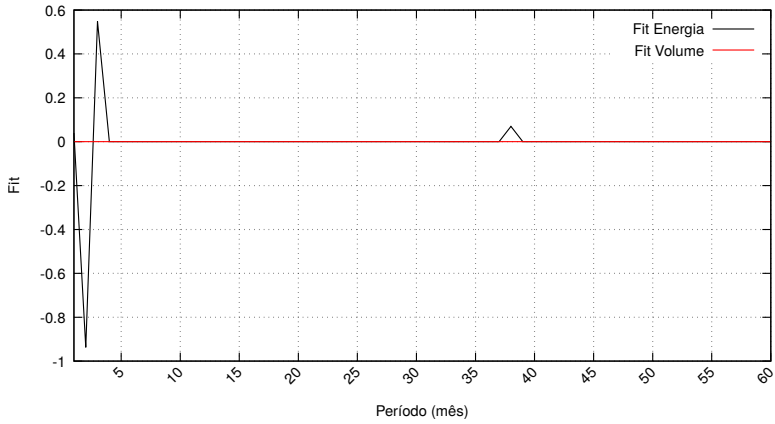
8.2 Energia/Volume Fit

CpMdPd - Fit - Plano Inicial x Plano Final



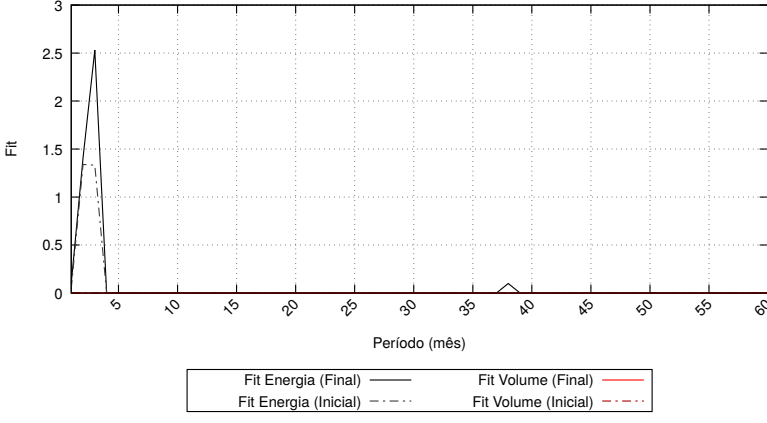
(a) CpMdPd

CpMdPd - Fit - Diferença



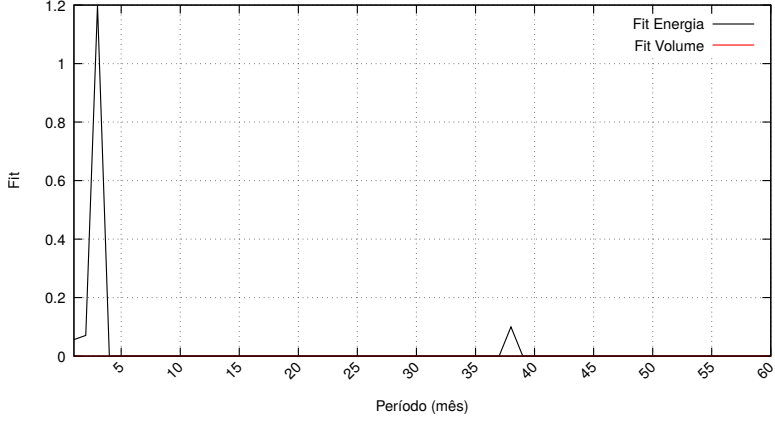
(b) CpMdPd

CpMdPi - Fit - Plano Inicial x Plano Final



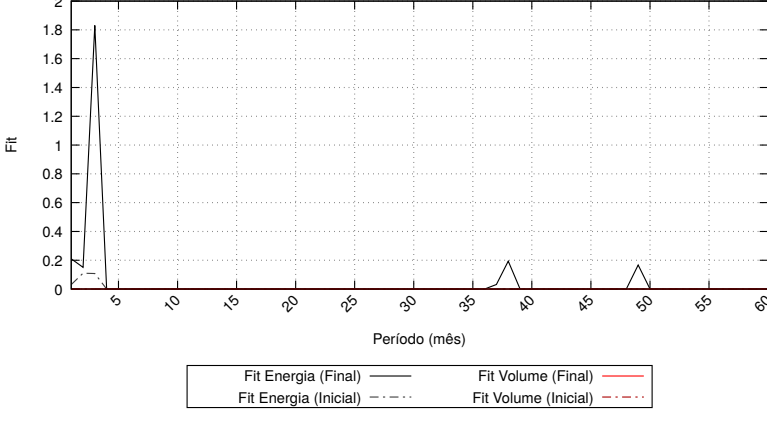
(a) CpMdPi

CpMdPi - Fit - Diferença



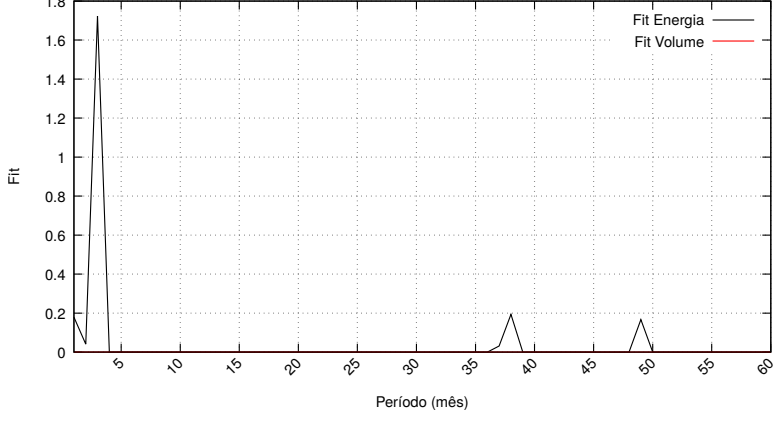
(b) CpMdPi

CpMiPd - Fit - Plano Inicial x Plano Final



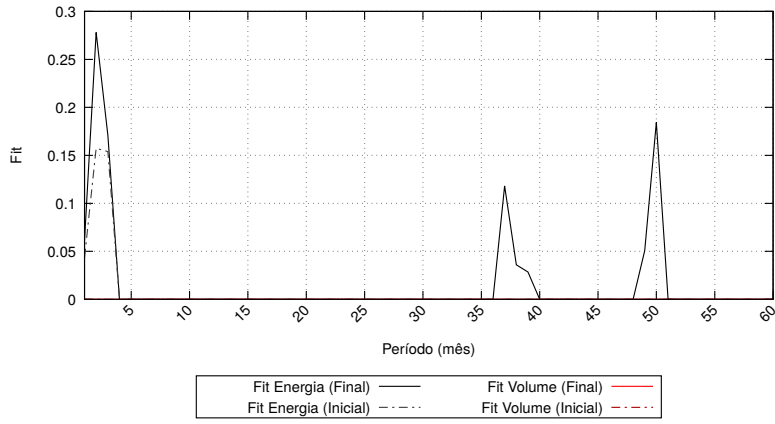
(a) CpMiPd

CpMiPd - Fit - Diferença



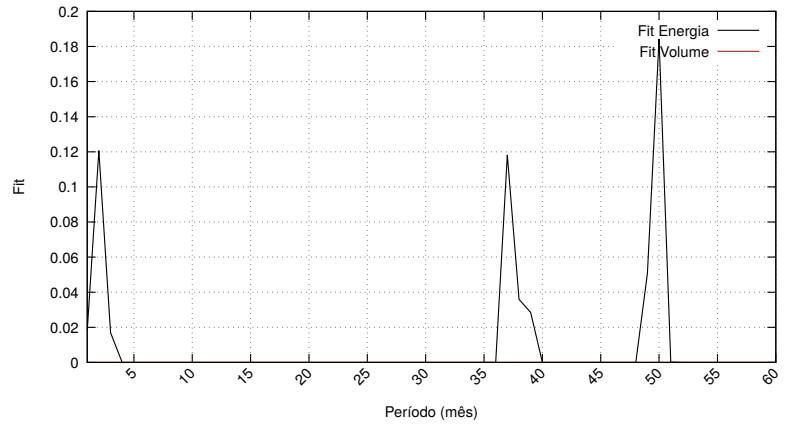
(b) CpMiPd

CpMiPi - Fit - Plano Inicial x Plano Final



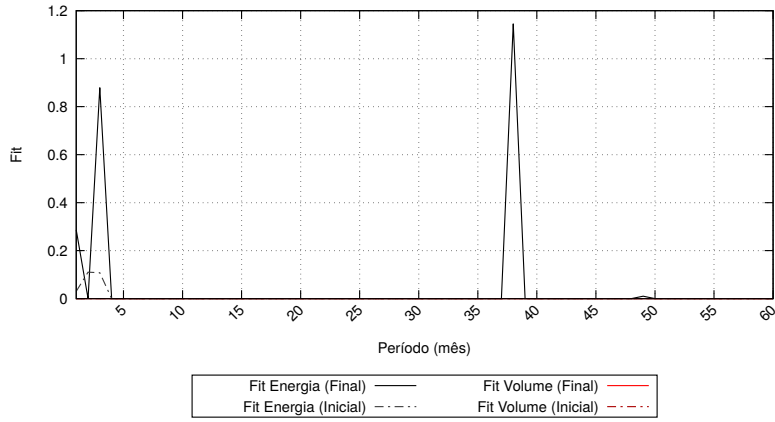
(a) CpMiPi

CpMiPi - Fit - Diferença



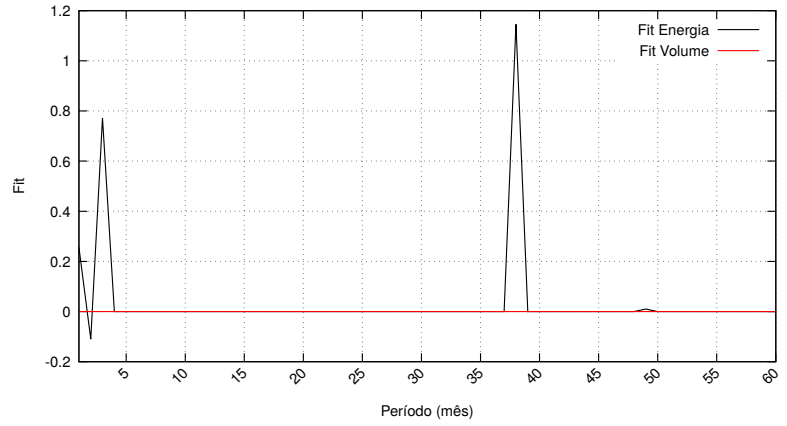
(b) CpMiPi

SpPd - Fit - Plano Inicial x Plano Final



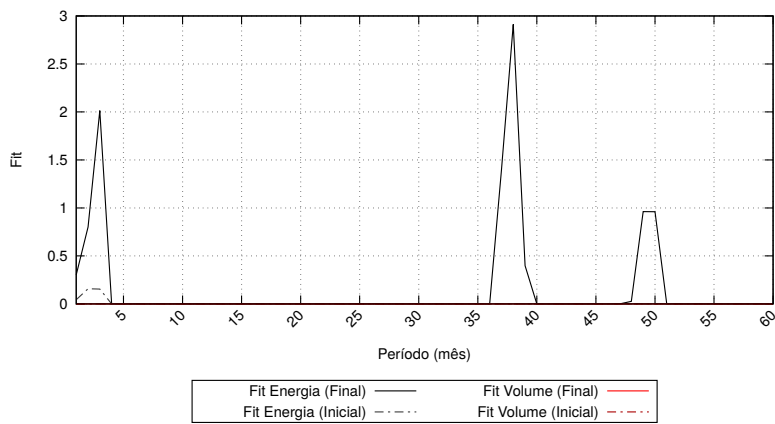
(a) SpPd

SpPd - Fit - Diferença



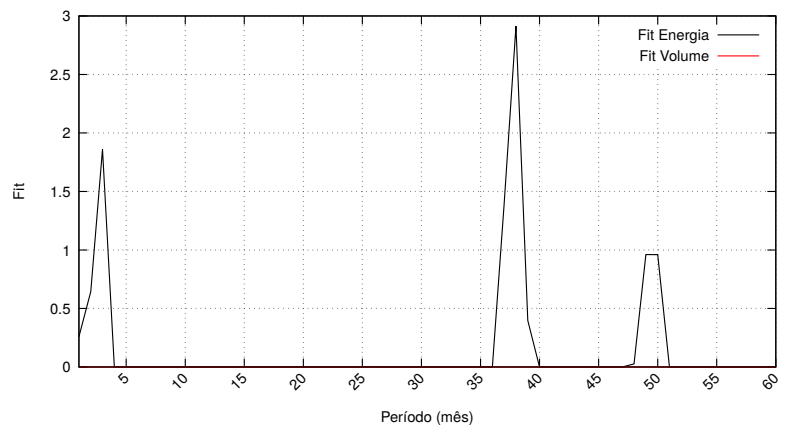
(b) SpPd

SpPi - Fit - Plano Inicial x Plano Final



(a) SpPi

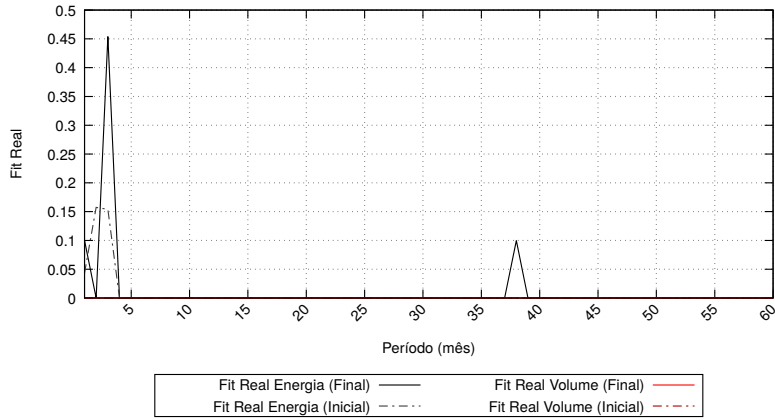
SpPi - Fit - Diferença



(b) SpPi

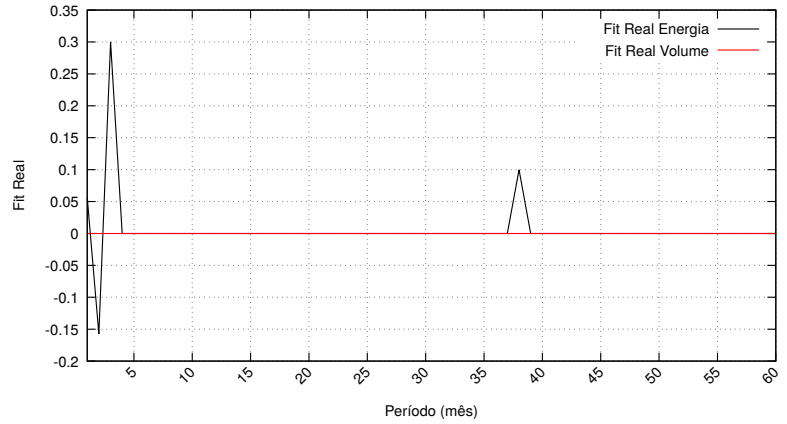
8.3 Energia/Volume RealFit

CpMdPd - Real Fit - Plano Inicial x Plano Final



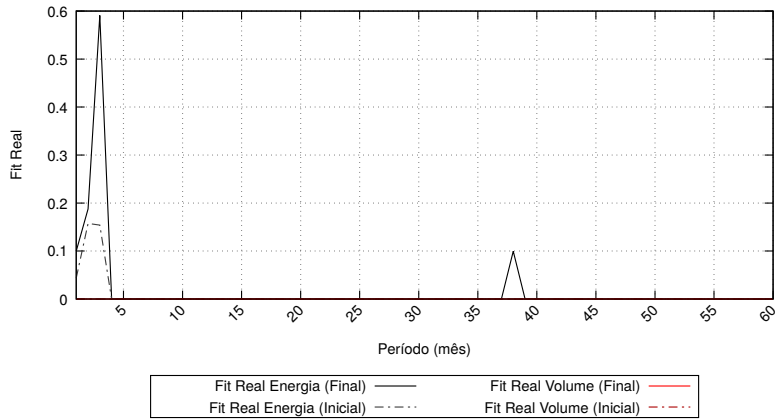
(a) CpMdPd

CpMdPd - Real Fit - Diferença



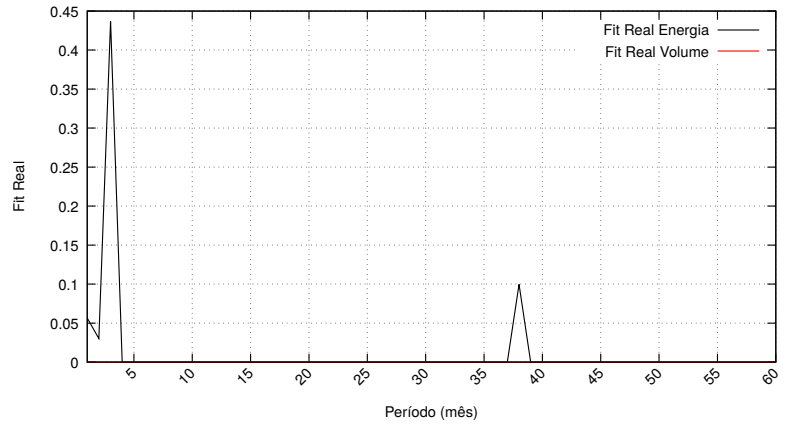
(b) CpMdPd

CpMdPi - Real Fit - Plano Inicial x Plano Final



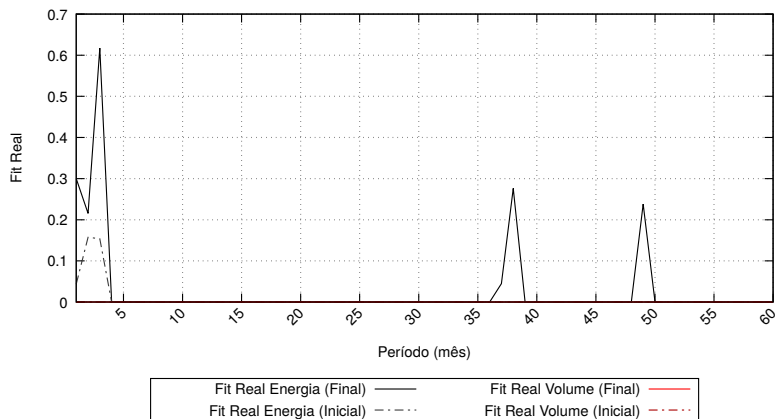
(a) CpMdPi

CpMdPi - Real Fit - Diferença



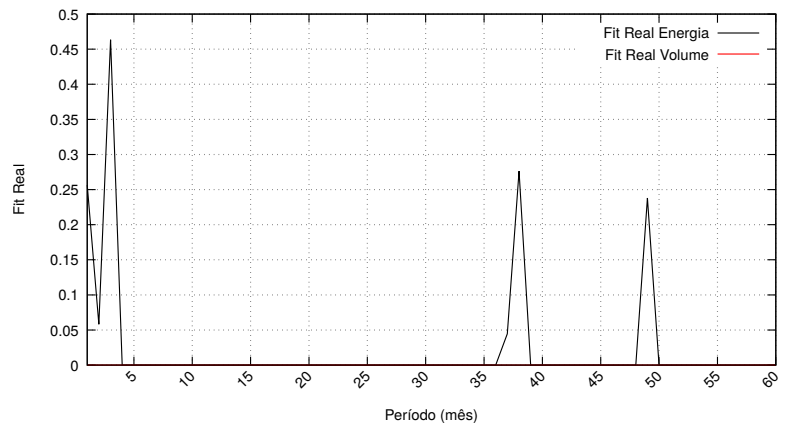
(b) CpMdPi

CpMiPd - Real Fit - Plano Inicial x Plano Final



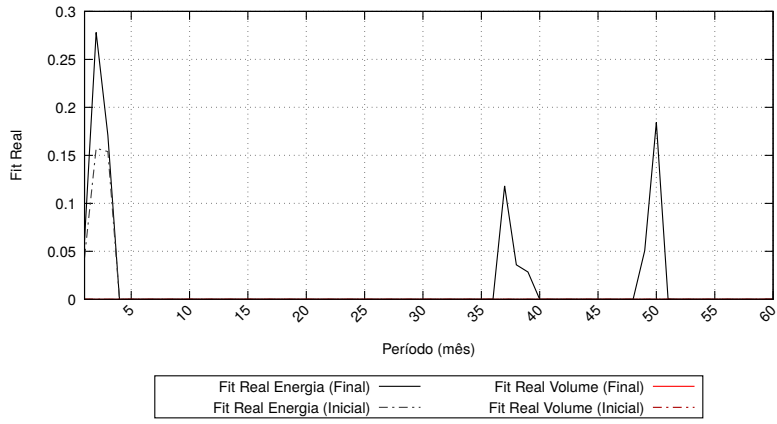
(a) CpMiPd

CpMiPd - Real Fit - Diferença



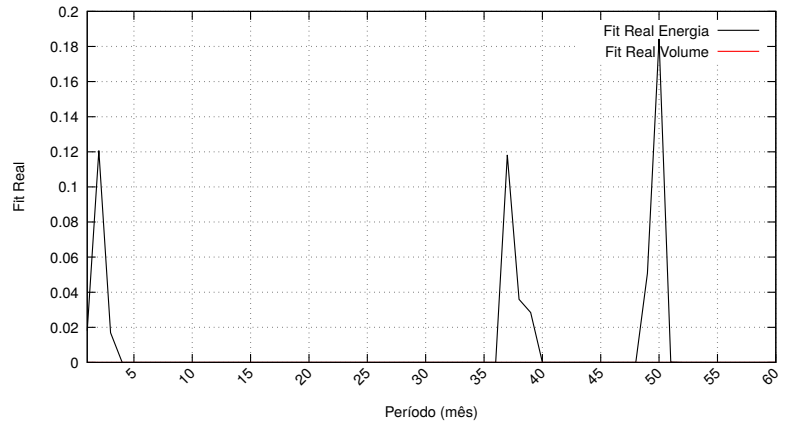
(b) CpMiPd

CpMiPi - Real Fit - Plano Inicial x Plano Final



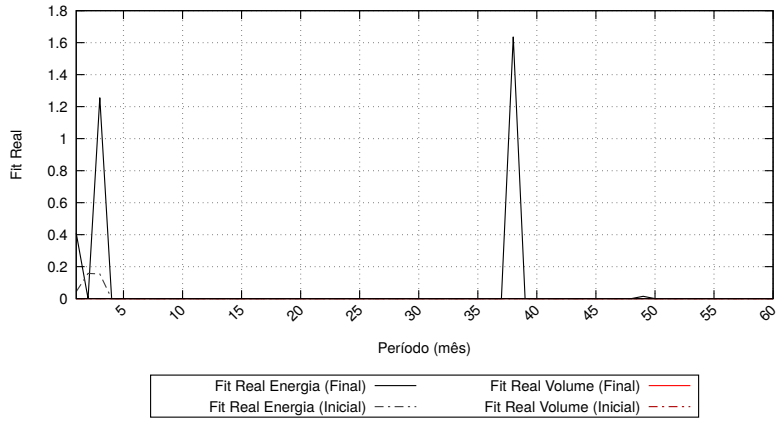
(a) CpMiPi

CpMiPi - Real Fit - Diferença



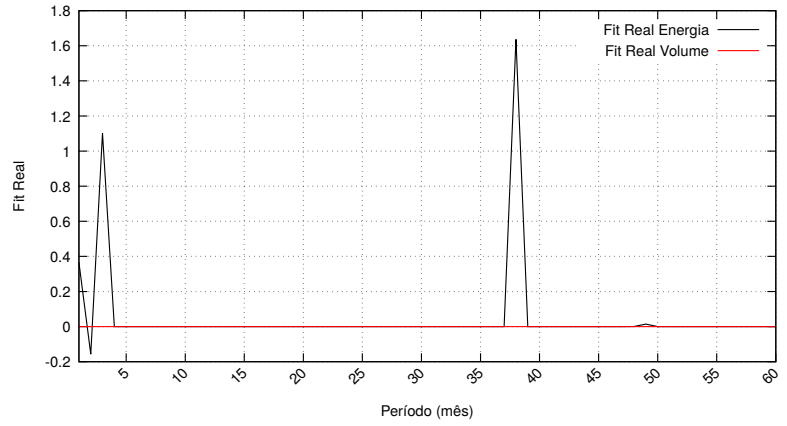
(b) CpMiPi

SpPd - Real Fit - Plano Inicial x Plano Final



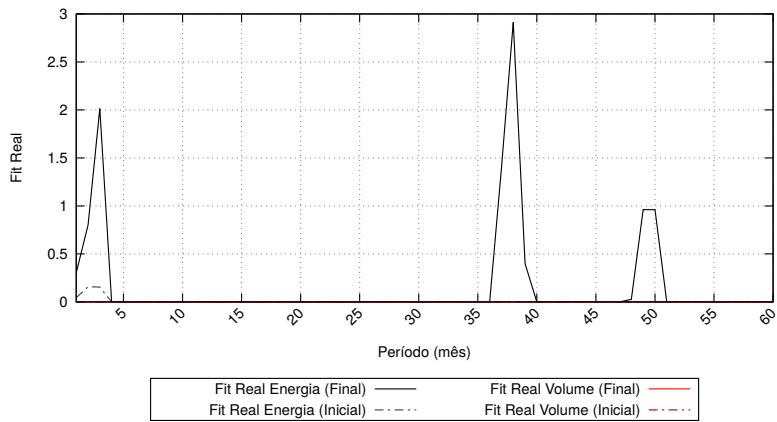
(a) SpPd

SpPd - Real Fit - Diferença



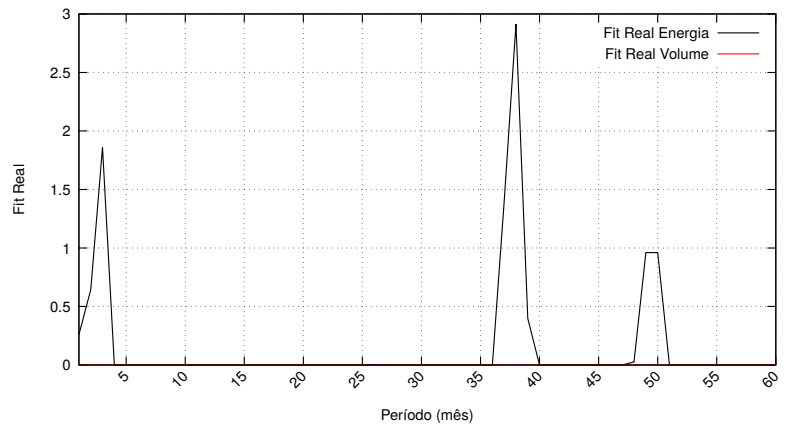
(b) SpPd

SpPi - Real Fit - Plano Inicial x Plano Final



(a) SpPi

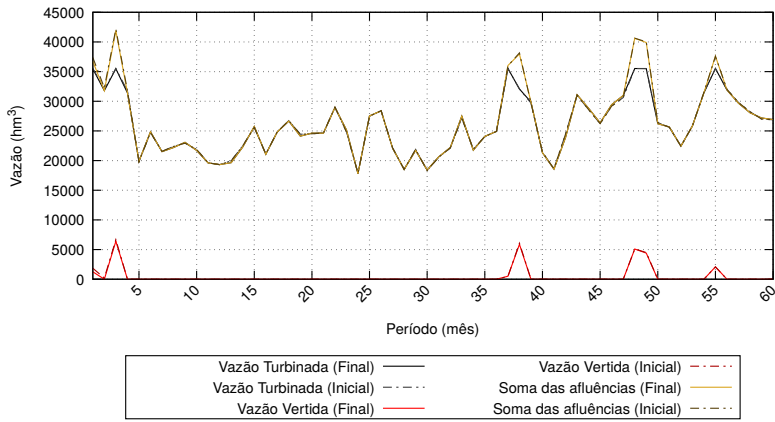
SpPi - Real Fit - Diferença



(b) SpPi

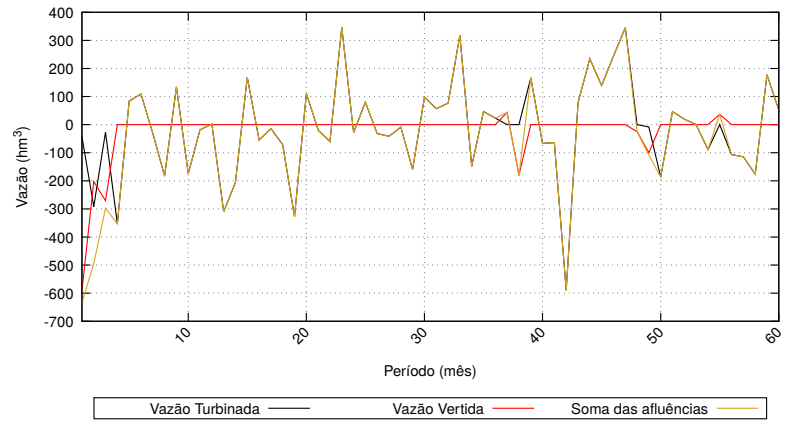
8.4 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



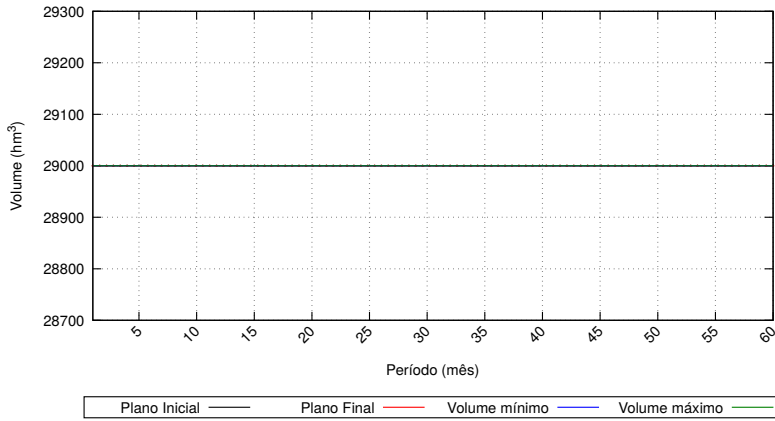
(a) CpMdPd

CpMdPd - Vazão - Diferença



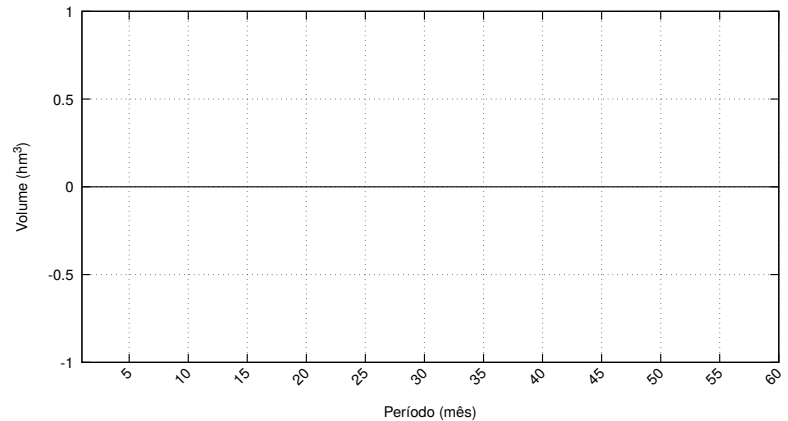
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



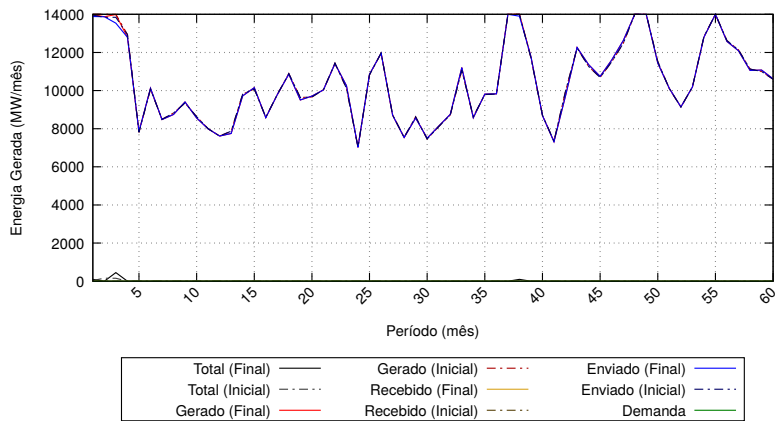
(a) CpMdPd

CpMdPd - Volume - Diferença



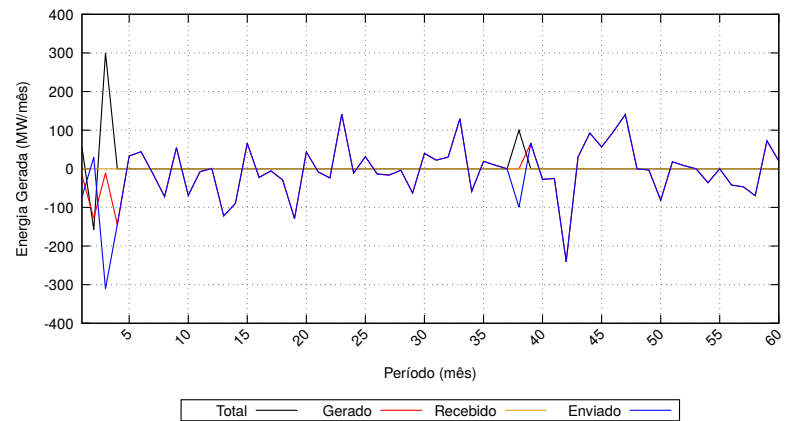
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

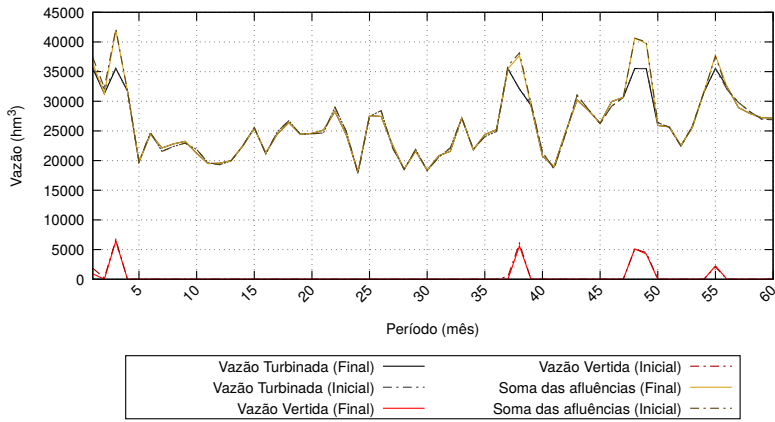
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

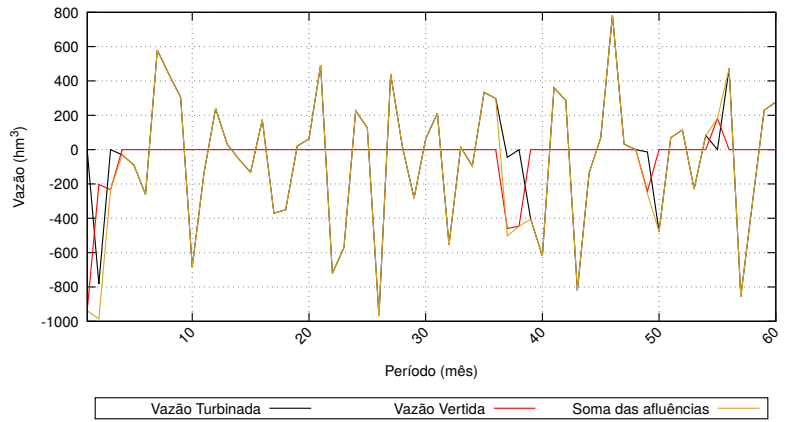
8.5 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



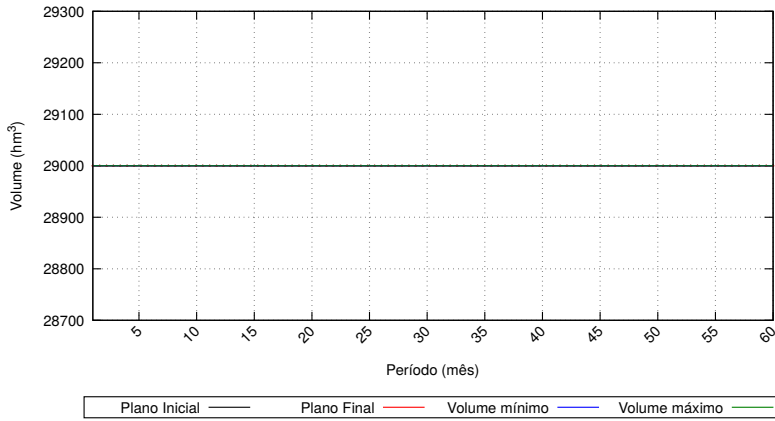
(a) CpMdPi

CpMdPi - Vazão - Diferença



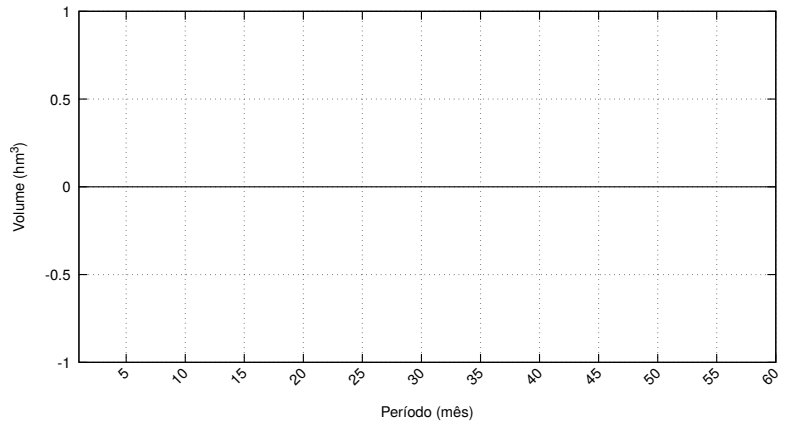
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



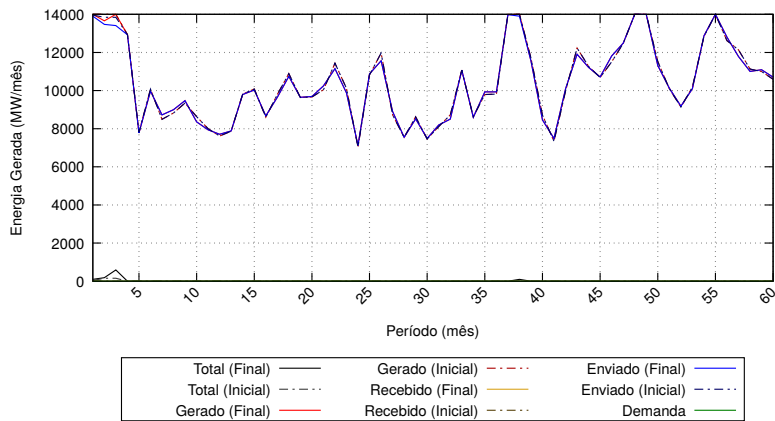
(a) CpMdPi

CpMdPi - Volume - Diferença



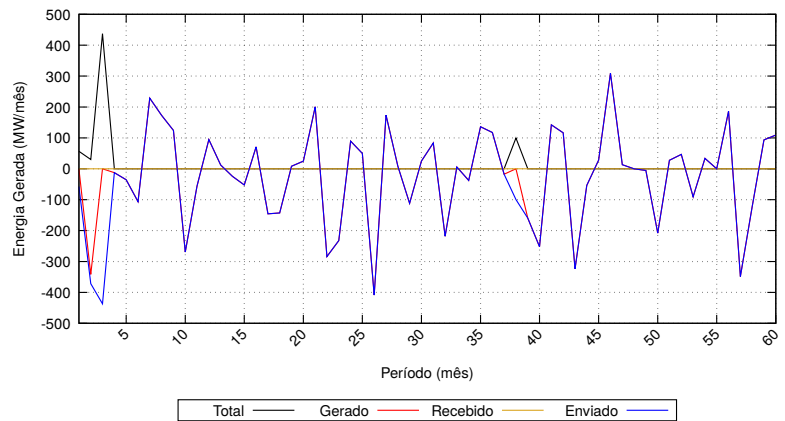
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

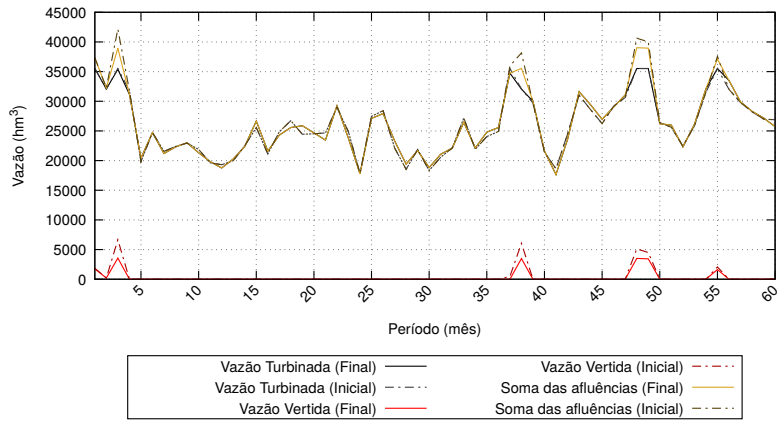
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

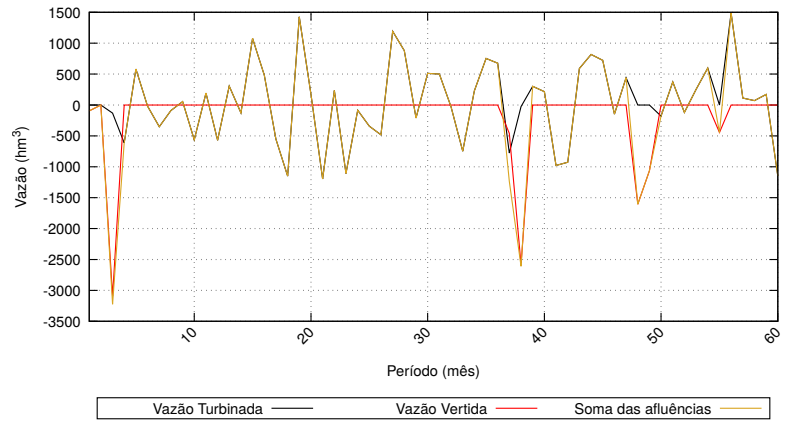
8.6 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



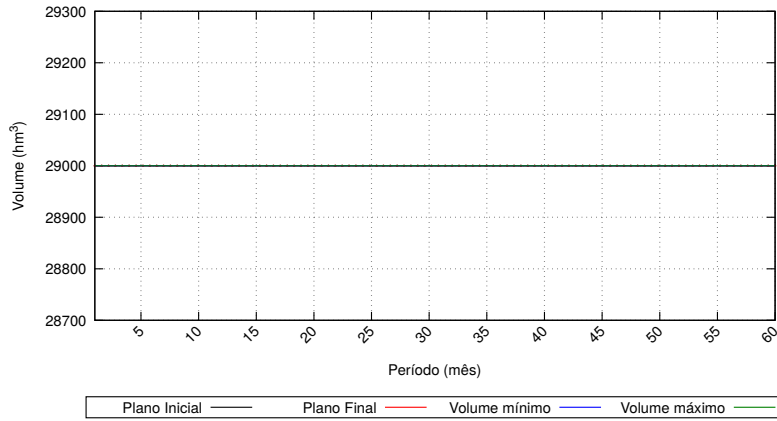
(a) CpMiPd

CpMiPd - Vazão - Diferença



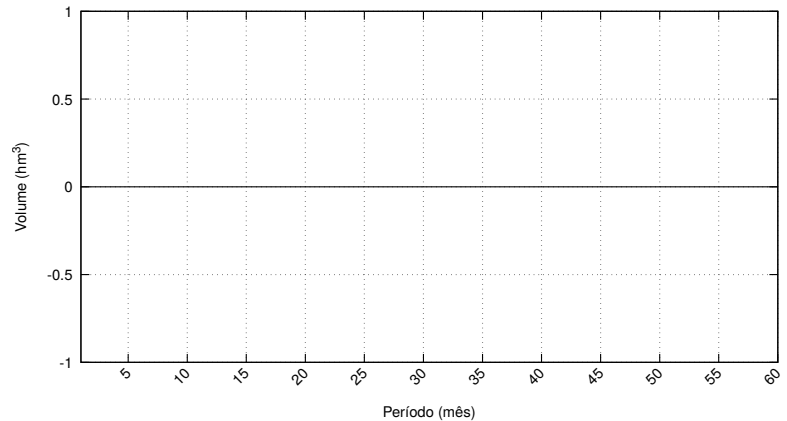
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



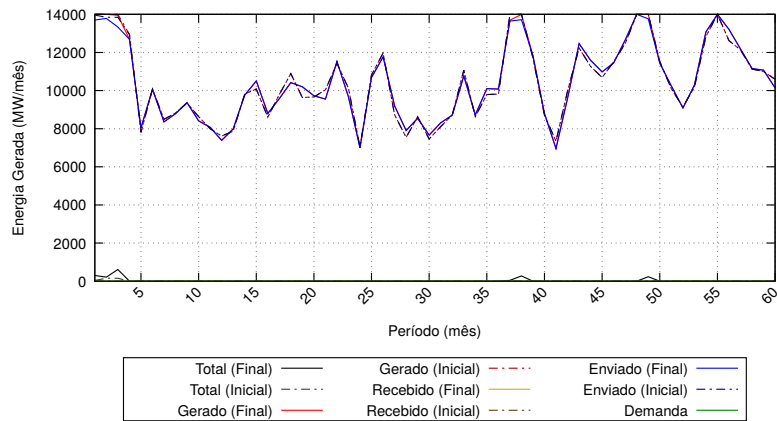
(a) CpMiPd

CpMiPd - Volume - Diferença



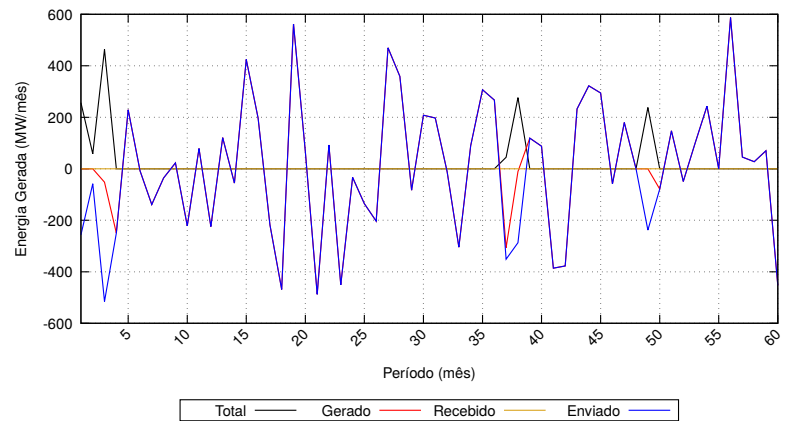
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

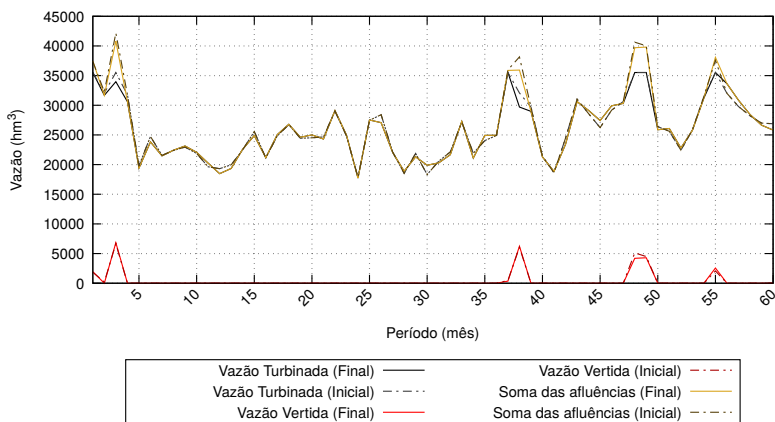
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

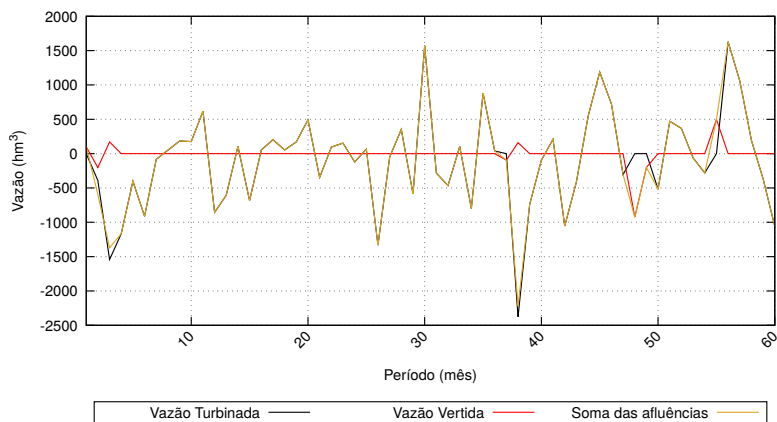
8.7 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



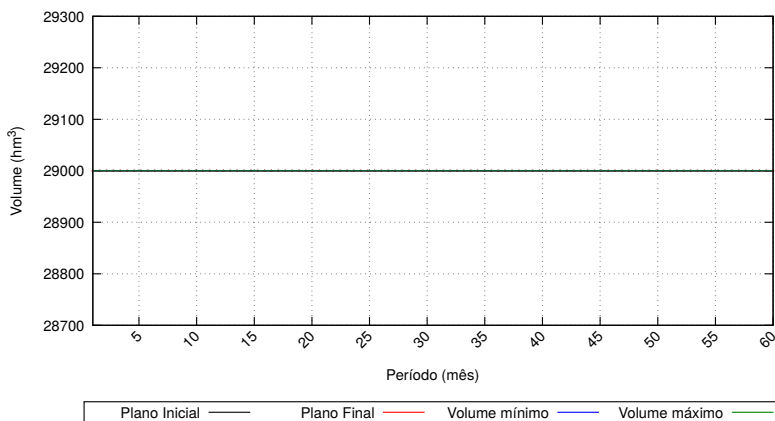
(a) CpMiPi

CpMiPi - Vazão - Diferença



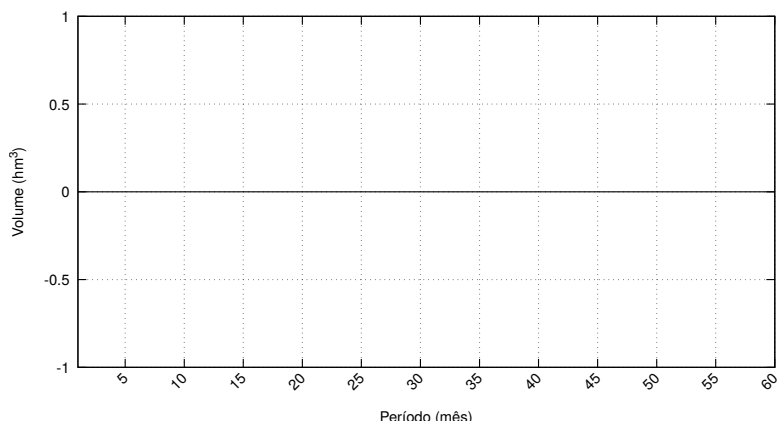
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



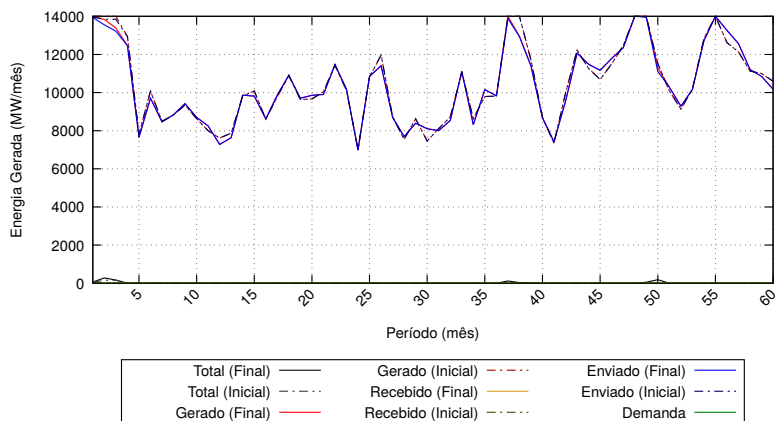
(a) CpMiPi

CpMiPi - Volume - Diferença



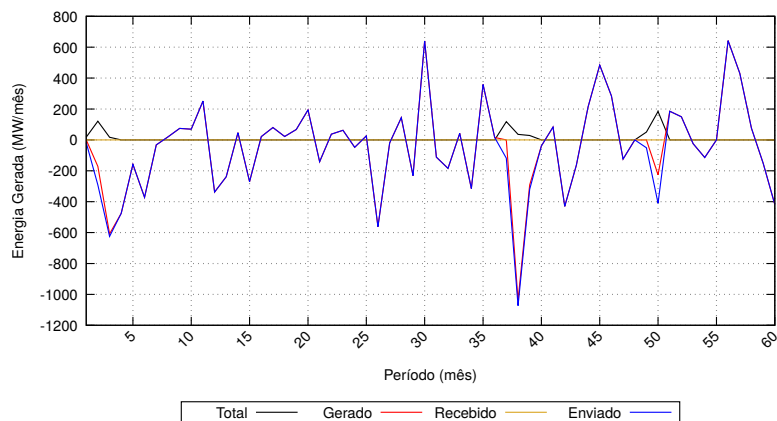
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



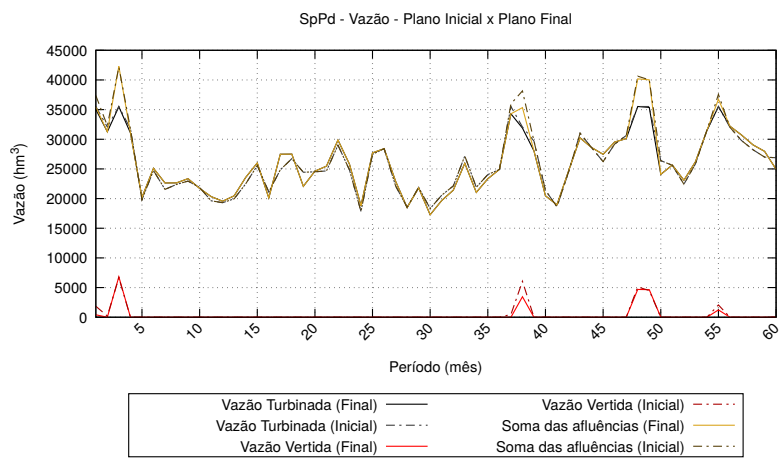
(a) CpMiPi

CpMiPi - Energia Gerada - Diferença

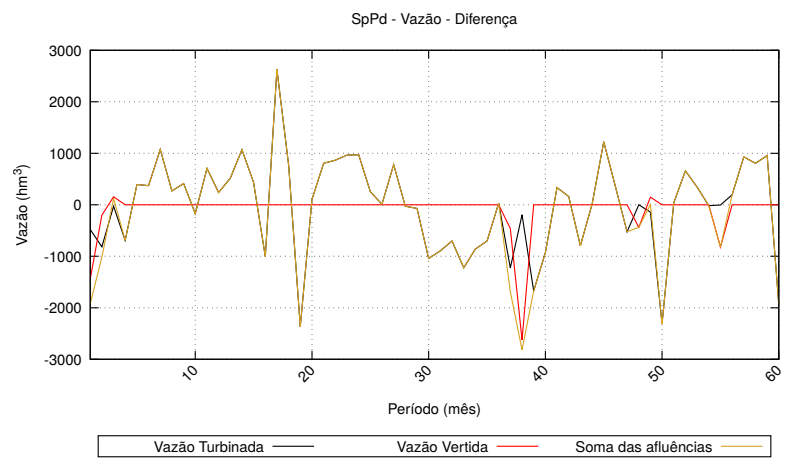


(b) CpMiPi

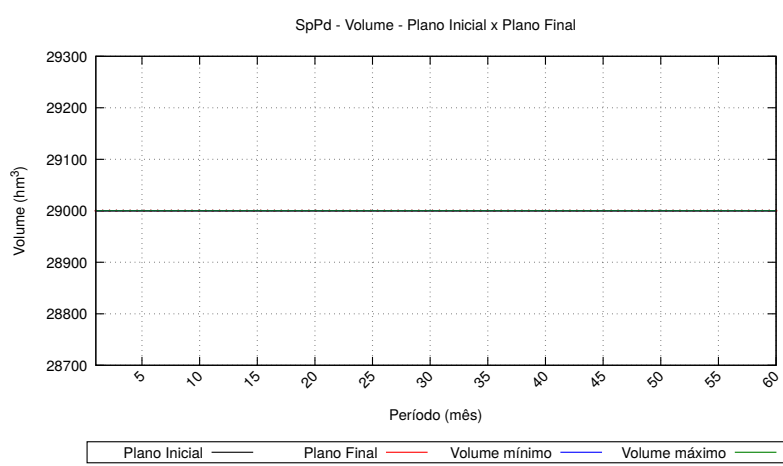
8.8 Resultados - SpPd



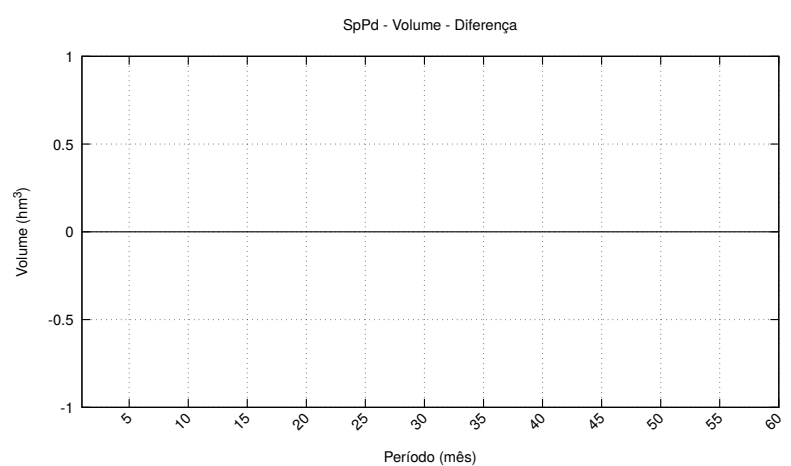
(a) SpPd



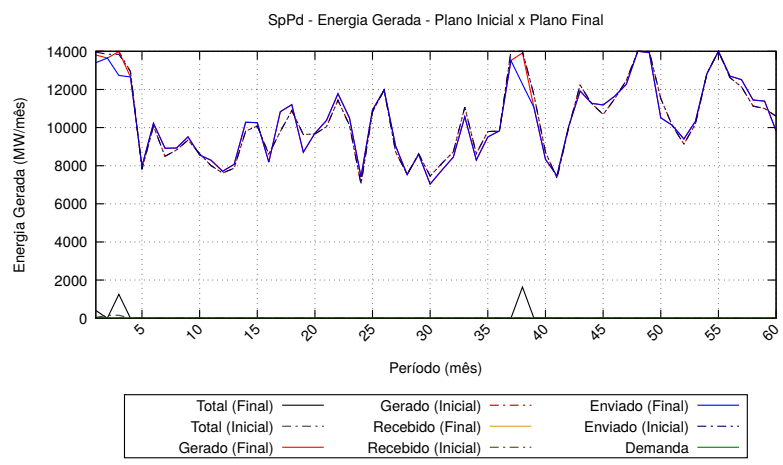
(b) SpPd



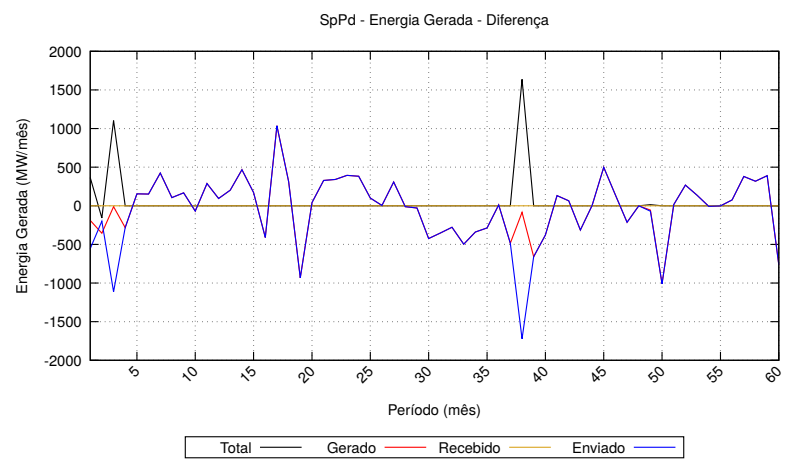
(a) SpPd



(b) SpPd

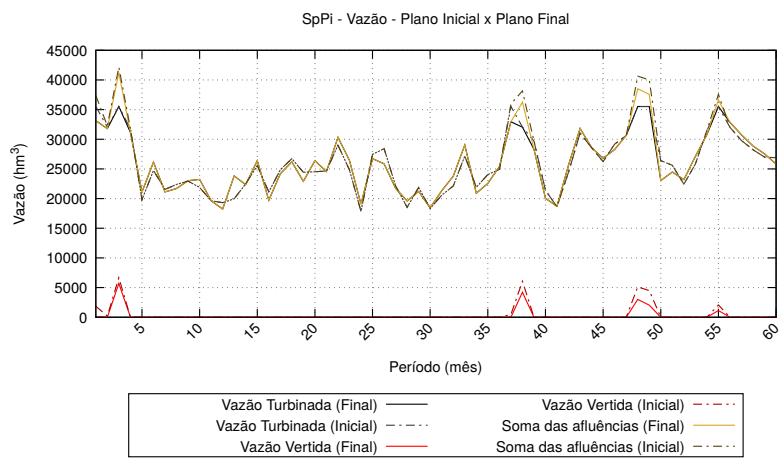


(a) SpPd

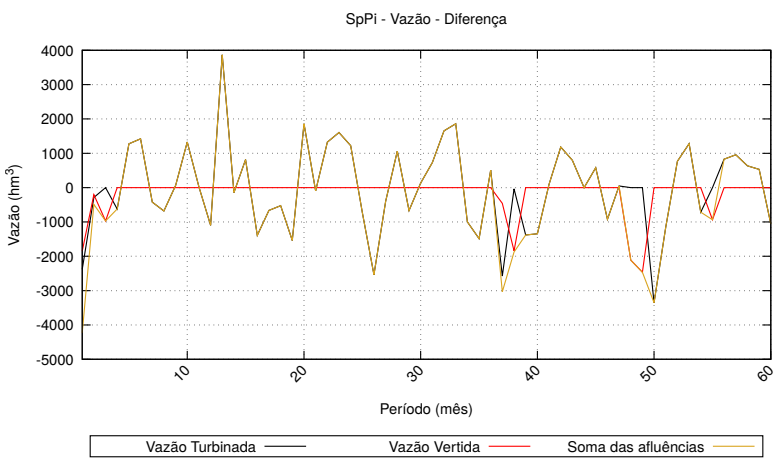


(b) SpPd

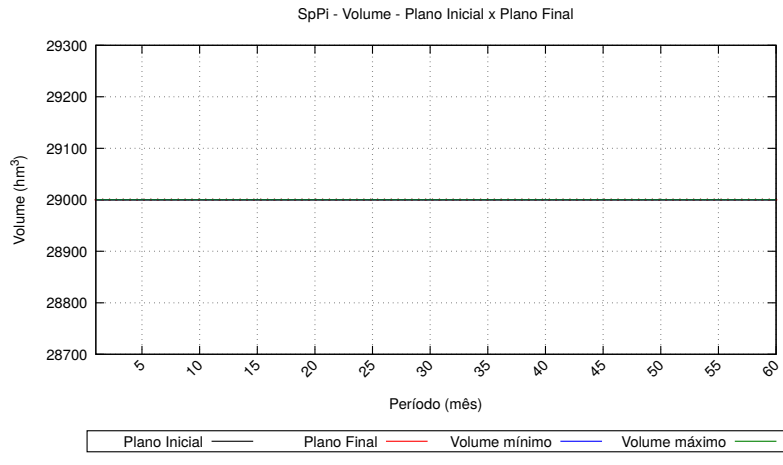
8.9 Resultados - SpPi



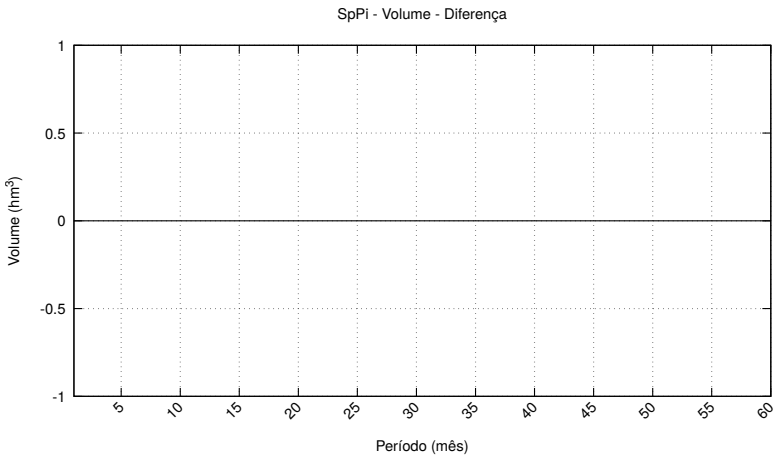
(a) SpPi



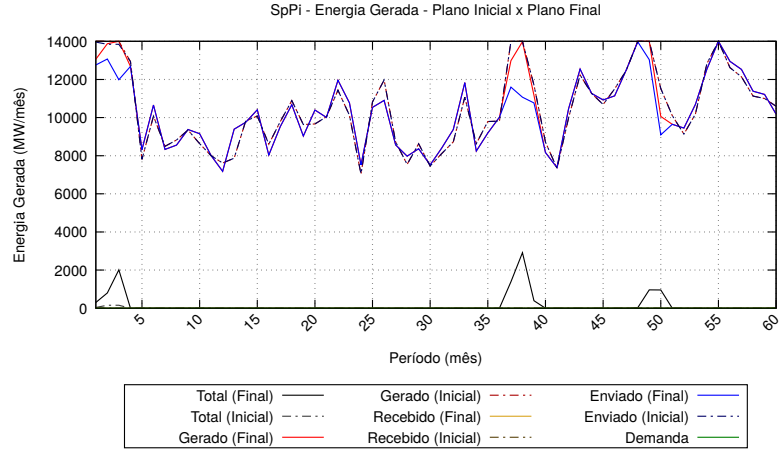
(b) SpPi



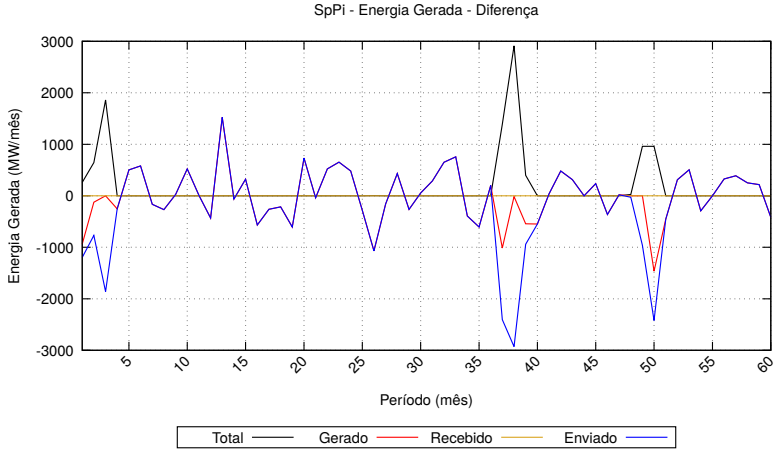
(a) SpPi



(b) SpPi



(a) SpPi

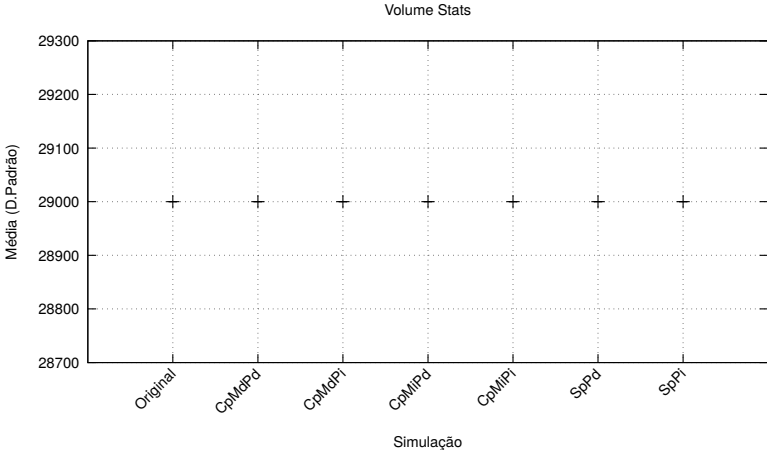


(b) SpPi

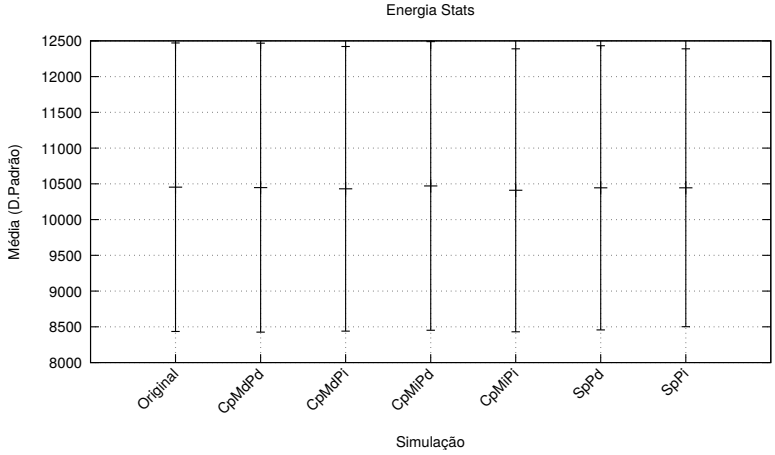
8.10 GPlan Stats

Tabela 13: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	29000.00000	0.00000	10452.81682	2018.09833
CpMdPd	29000.00000	0.00000	10446.84091	2020.87072
CpMdPi	29000.00000	0.00000	10430.63538	1990.40873
CpMiPd	29000.00000	0.00000	10470.26966	2018.15624
CpMiPi	29000.00000	0.00000	10409.92575	1978.96104
SpPd	29000.00000	0.00000	10444.06085	1987.52712
SpPi	29000.00000	0.00000	10444.91040	1944.07006



(a) Volume

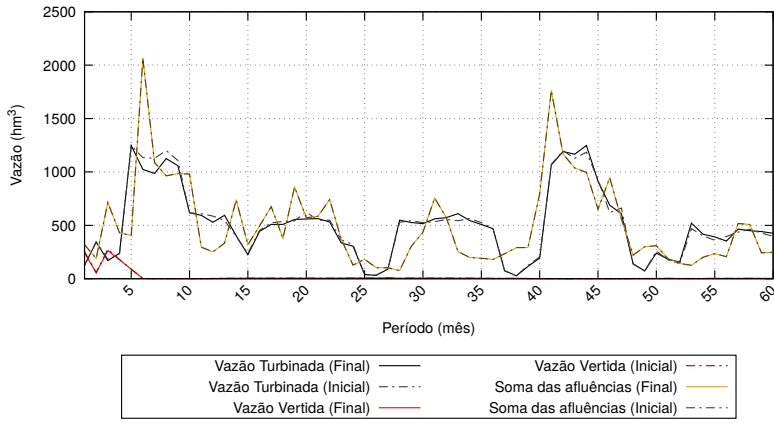


(b) Energia

9 Estação 111

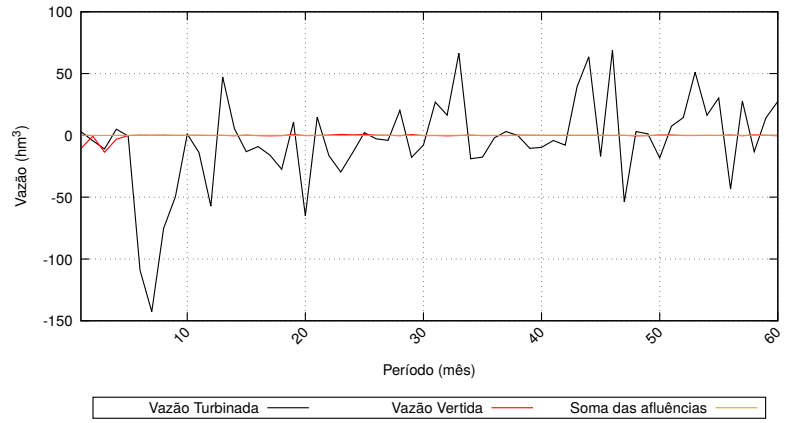
9.1 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



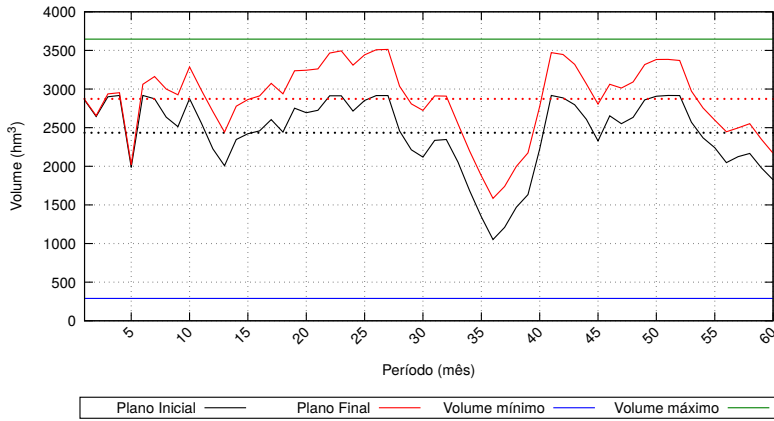
(a) CpMdPd

CpMdPd - Vazão - Diferença



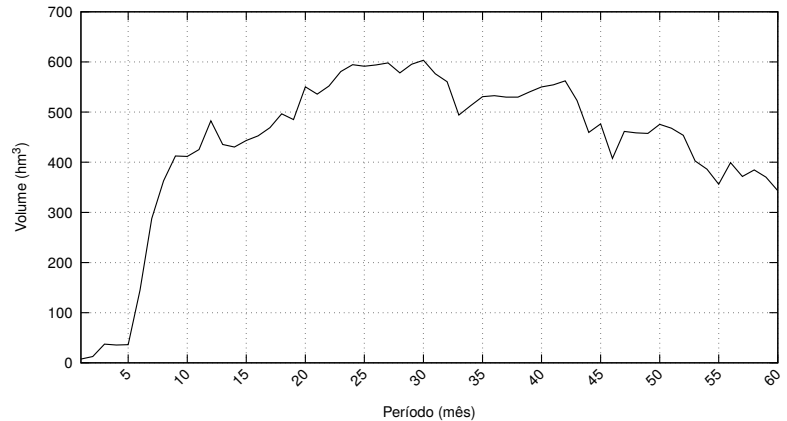
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



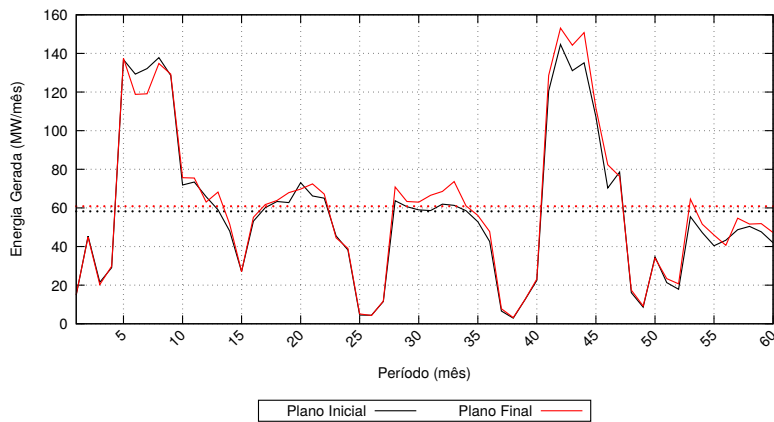
(a) CpMdPd

CpMdPd - Volume - Diferença



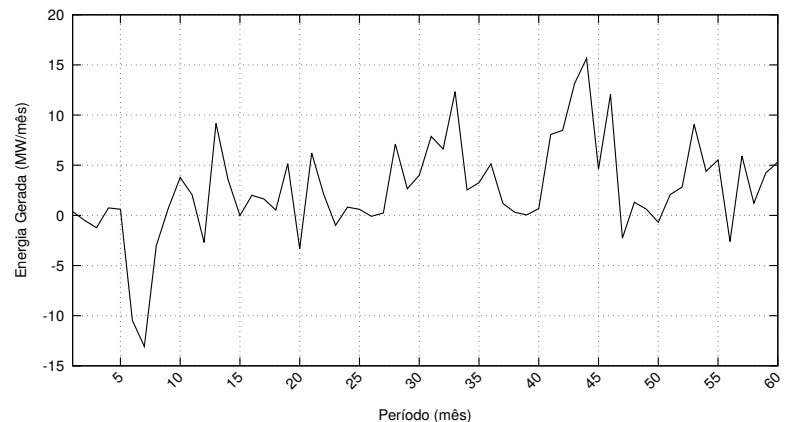
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

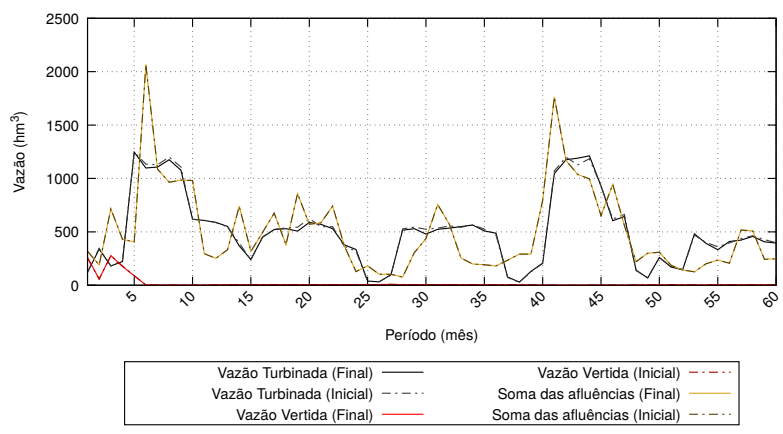
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

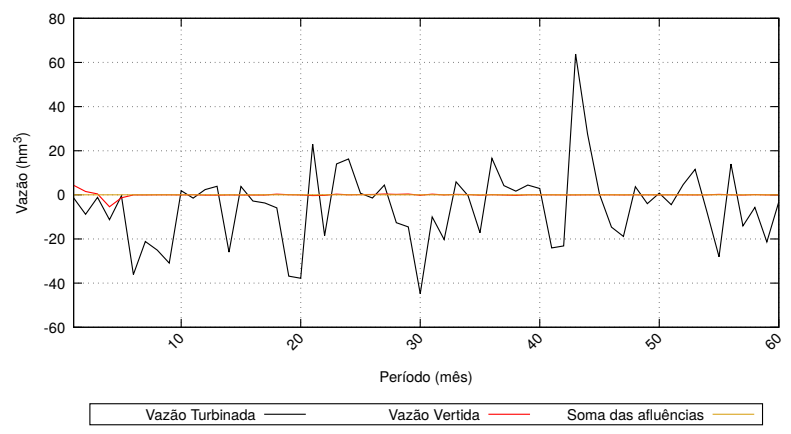
9.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



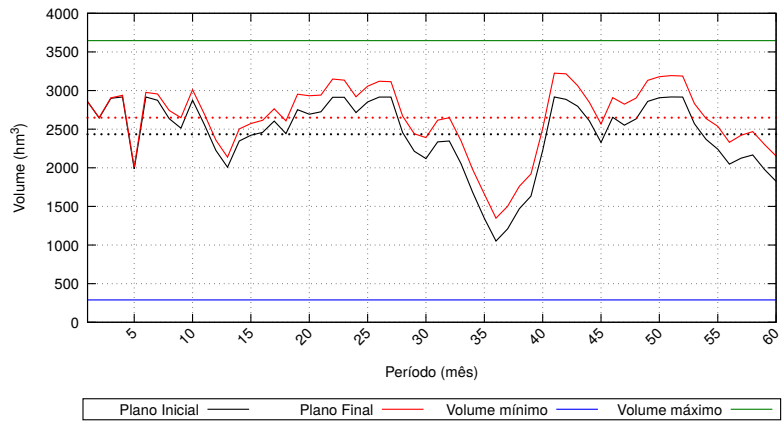
(a) CpMdPi

CpMdPi - Vazão - Diferença



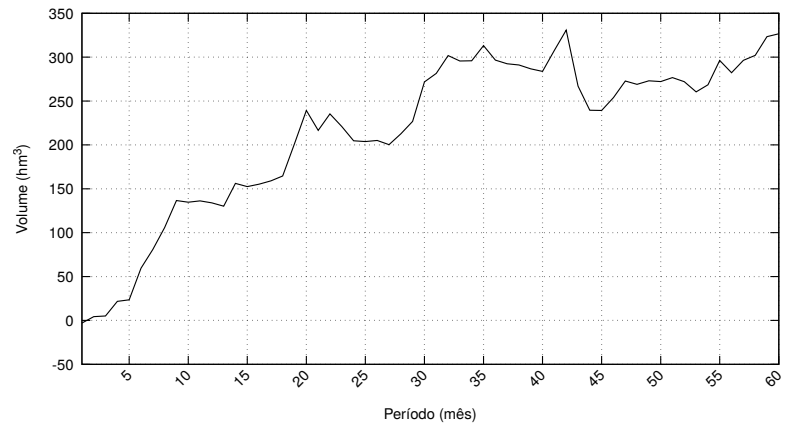
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



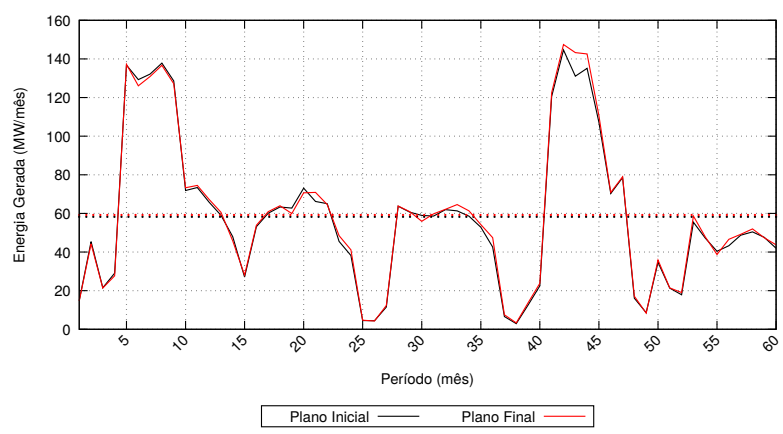
(a) CpMdPi

CpMdPi - Volume - Diferença



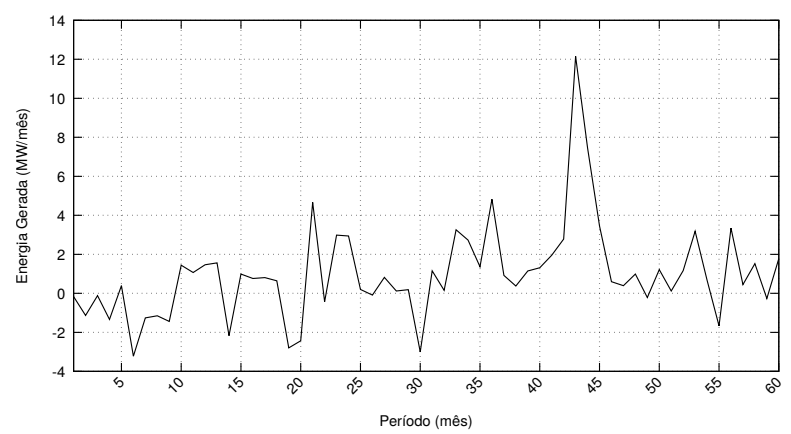
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

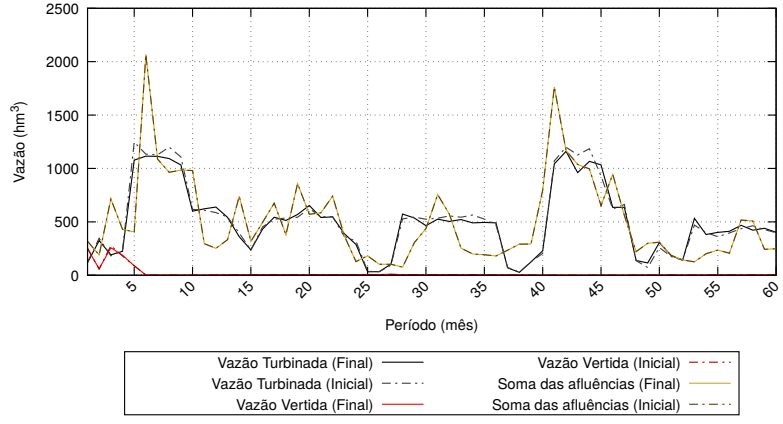
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

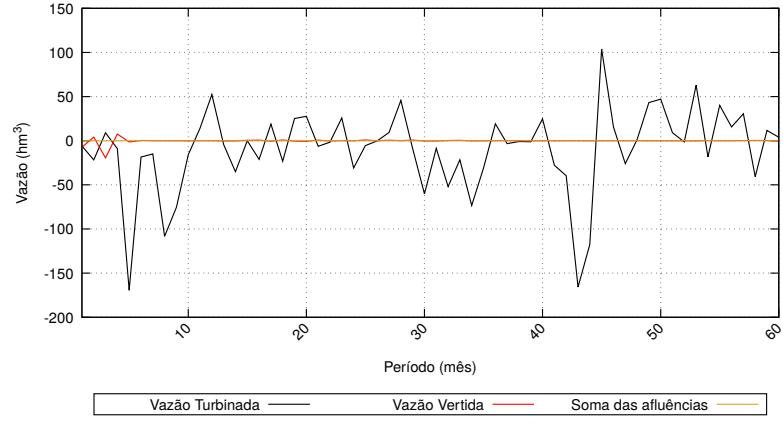
9.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



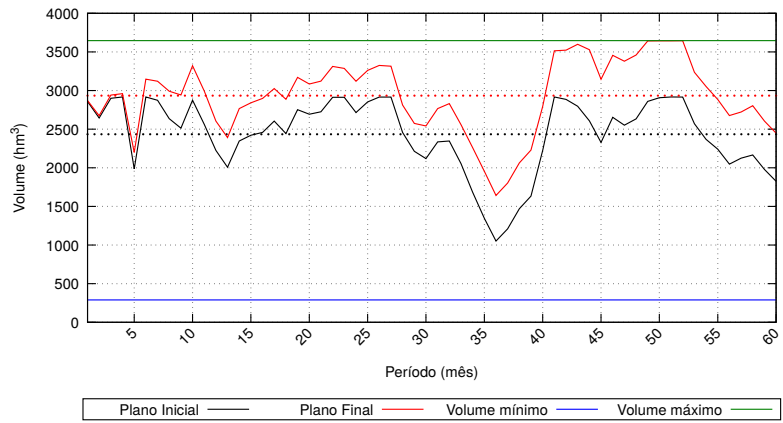
(a) CpMiPd

CpMiPd - Vazão - Diferença



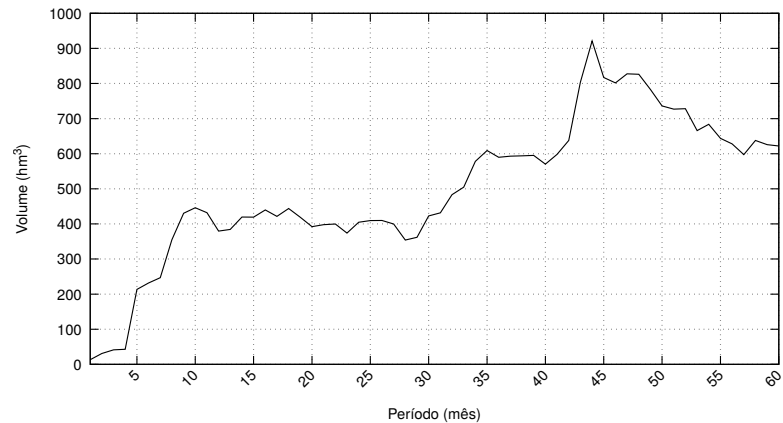
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



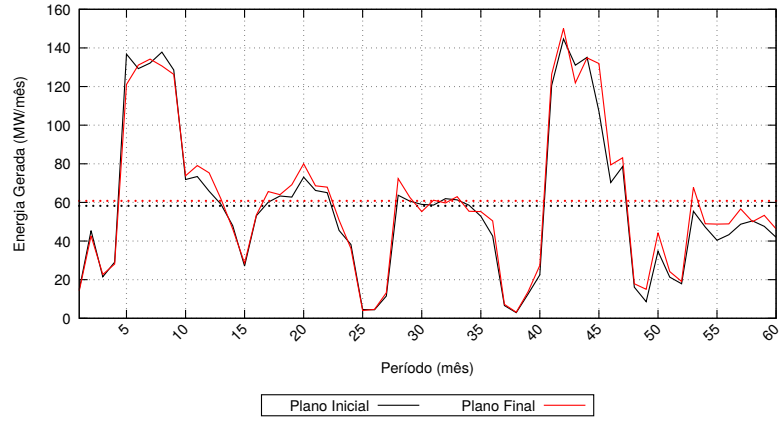
(a) CpMiPd

CpMiPd - Volume - Diferença



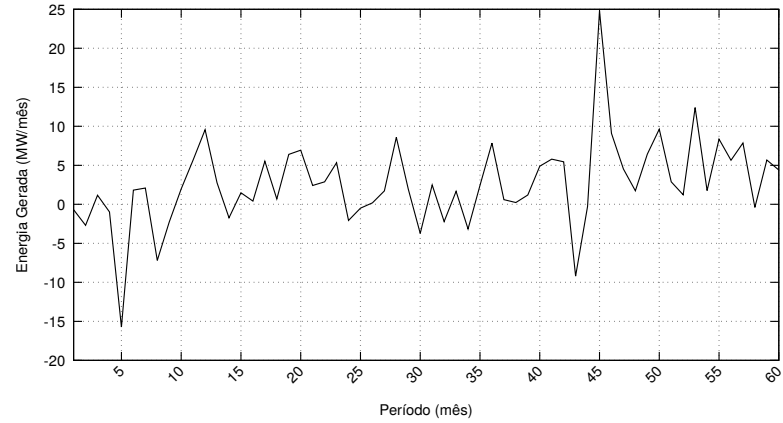
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

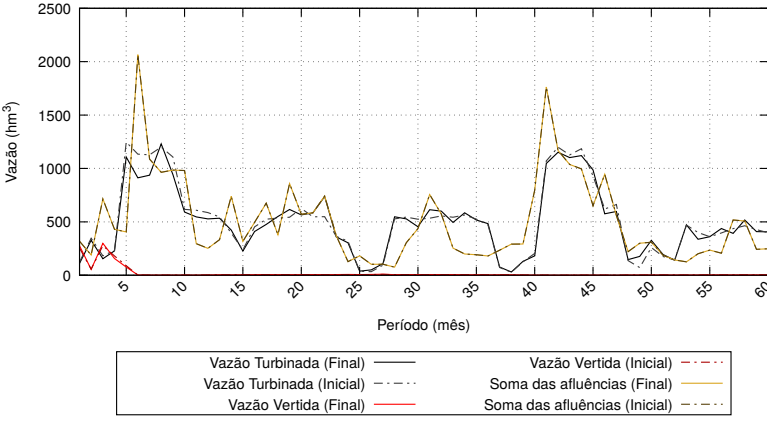
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

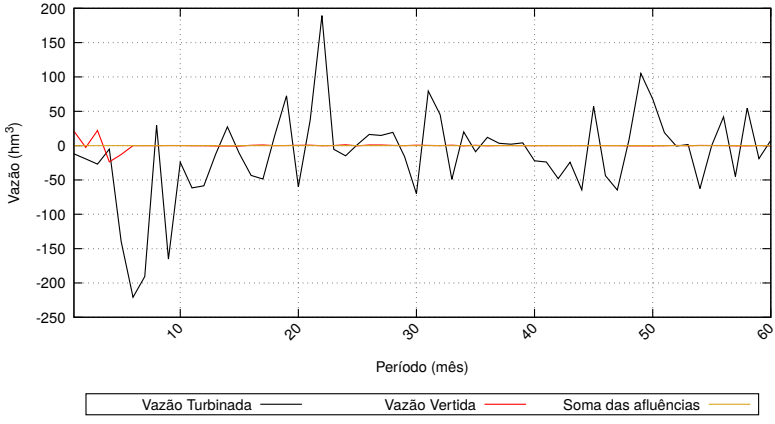
9.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



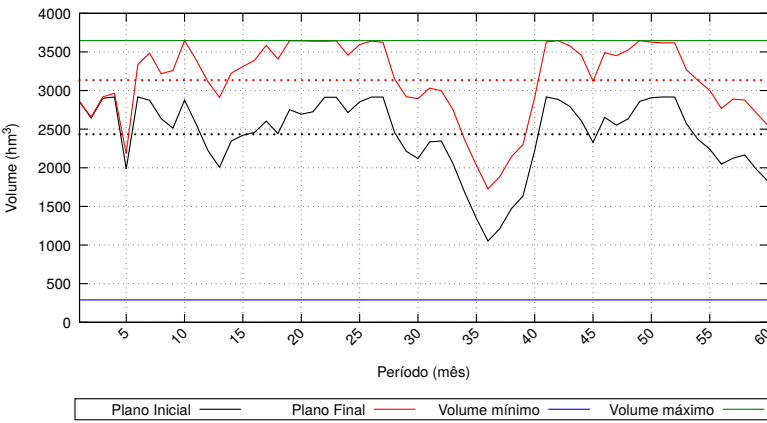
(a) CpMiPi

CpMiPi - Vazão - Diferença



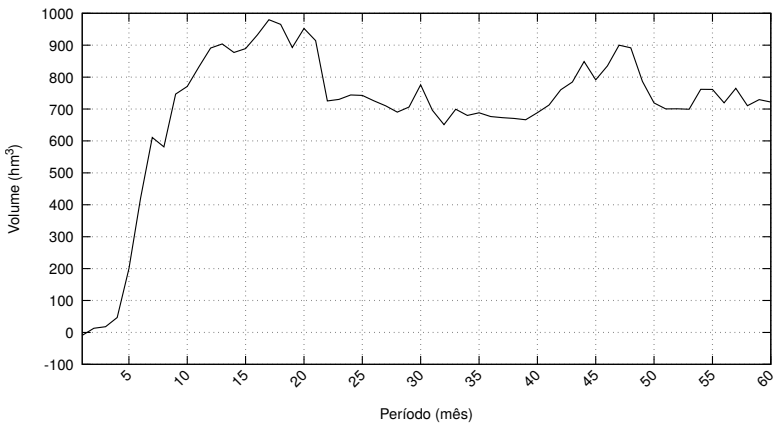
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



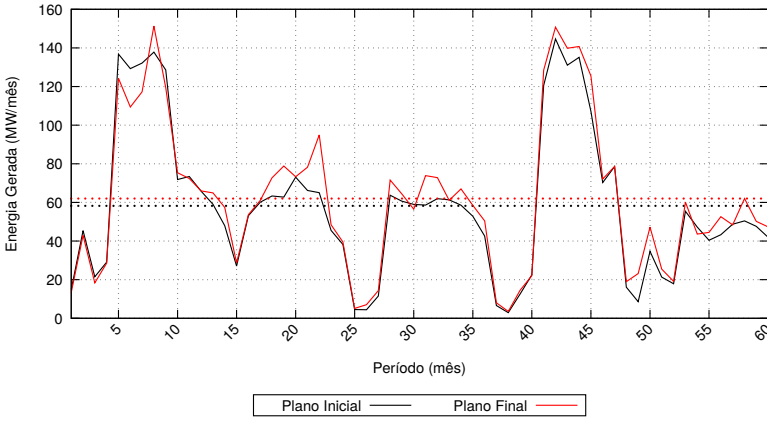
(a) CpMiPi

CpMiPi - Volume - Diferença



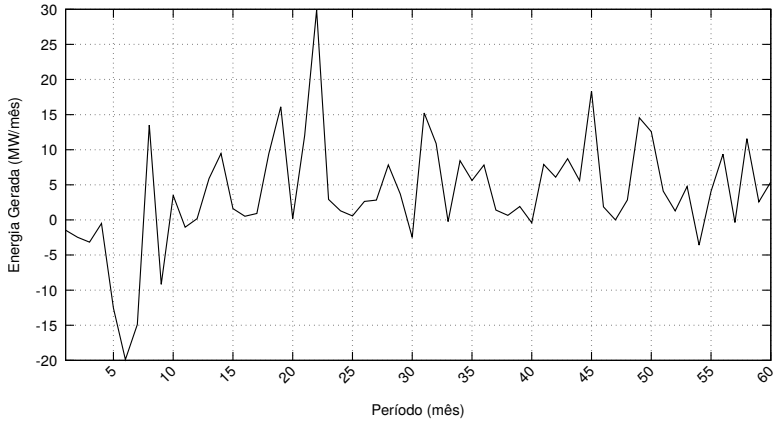
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

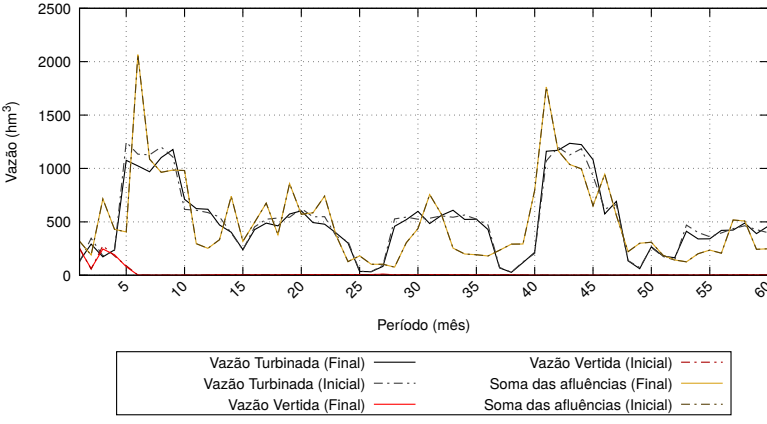
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

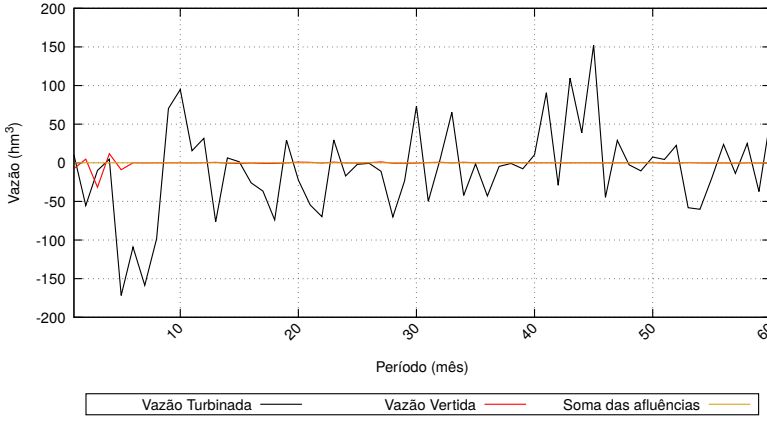
9.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



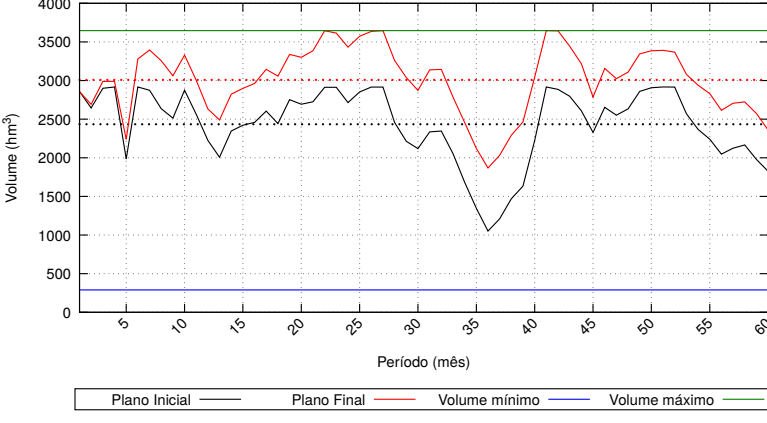
(a) SpPd

SpPd - Vazão - Diferença



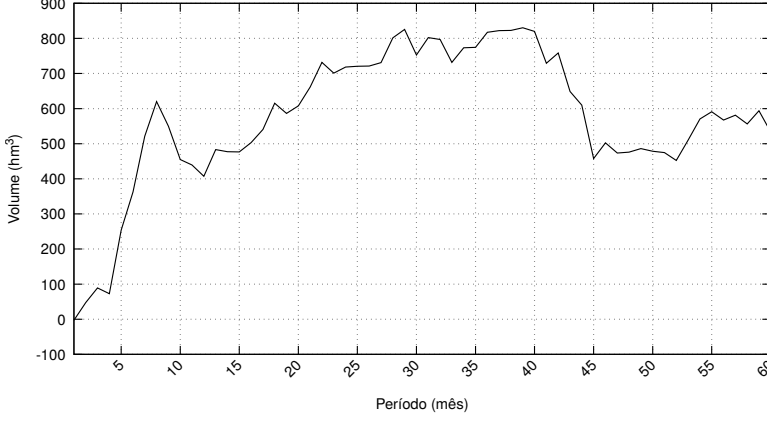
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



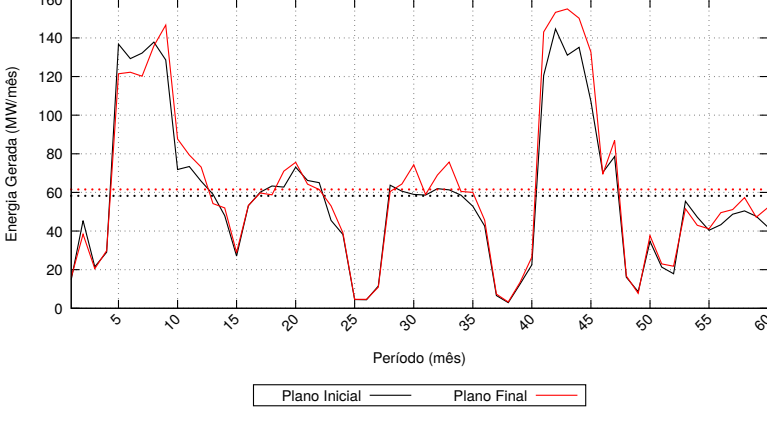
(a) SpPd

SpPd - Volume - Diferença



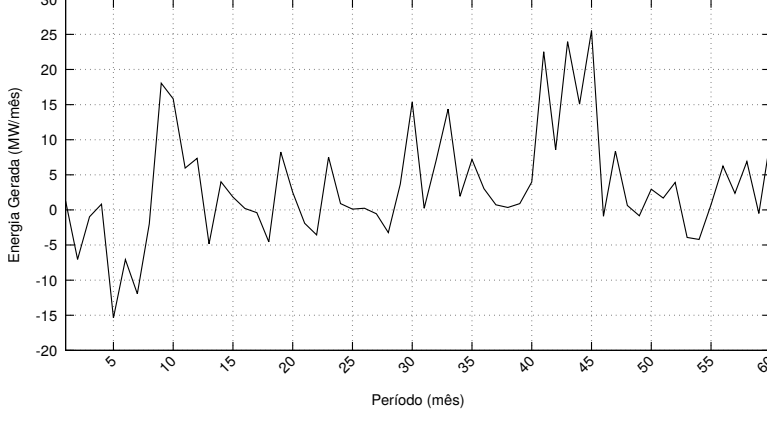
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

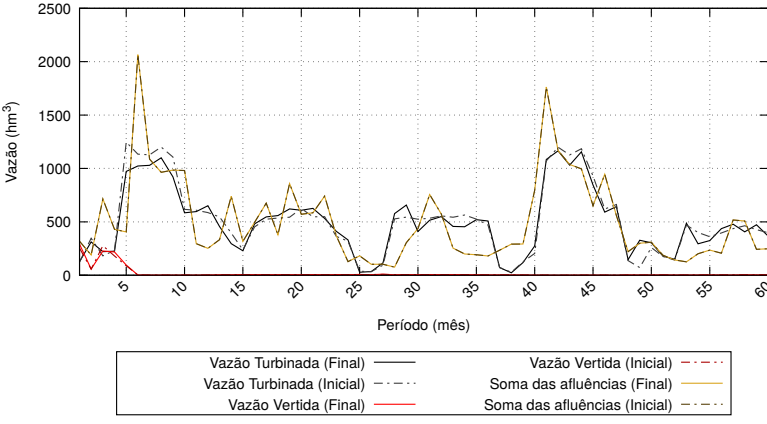
SpPd - Energia Gerada - Diferença



(b) SpPd

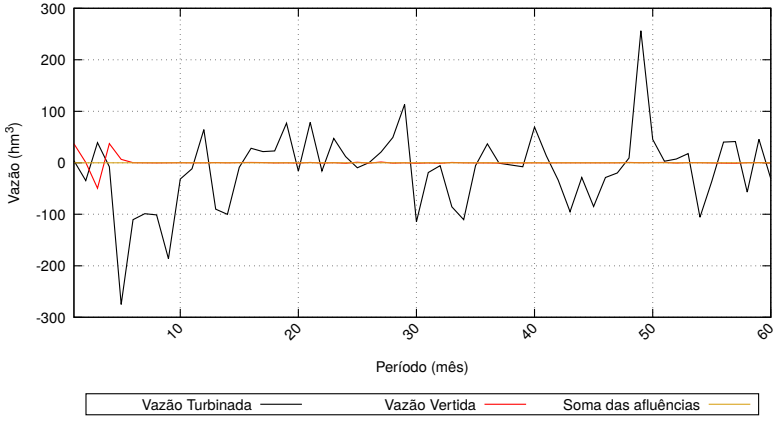
9.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



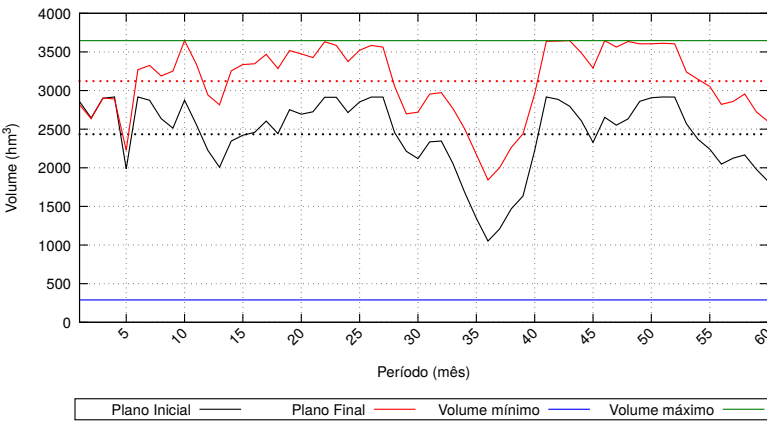
(a) SpPi

SpPi - Vazão - Diferença



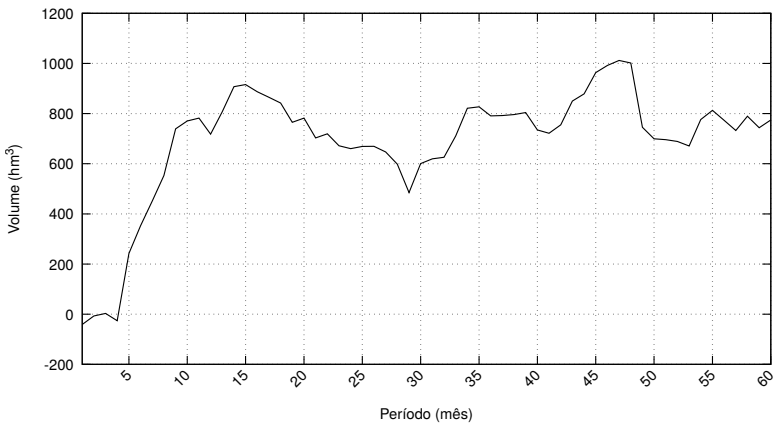
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



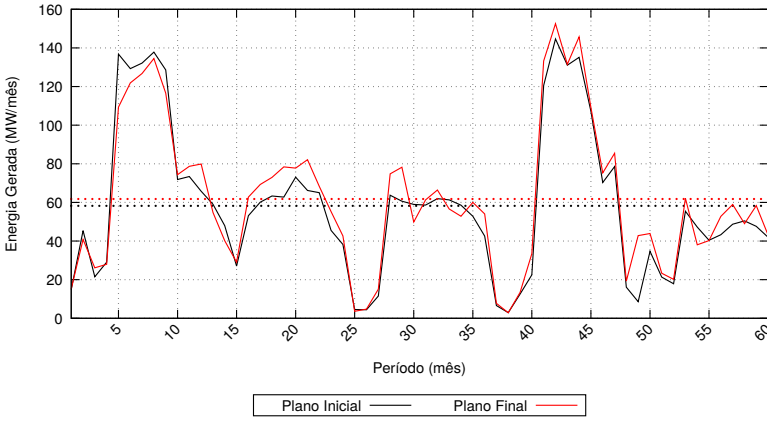
(a) SpPi

SpPi - Volume - Diferença



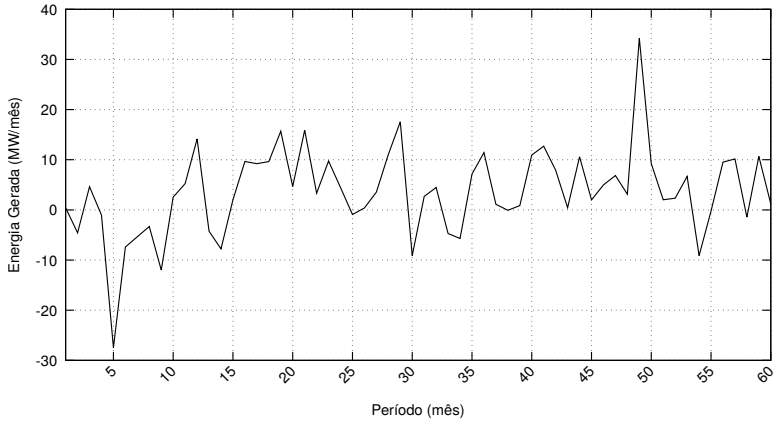
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

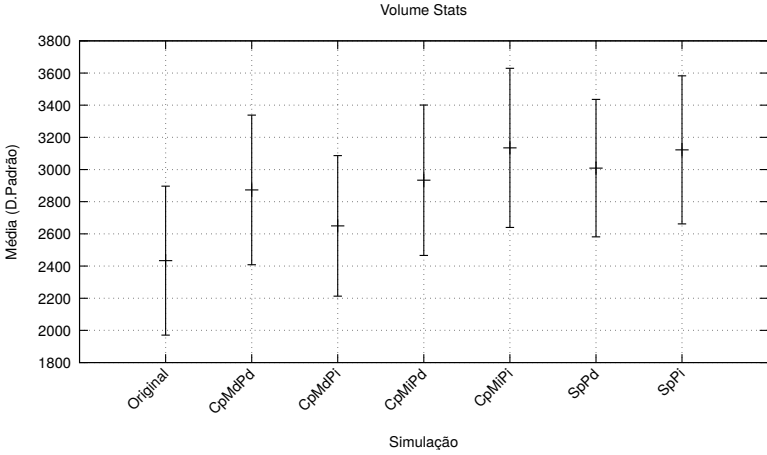


(b) SpPi

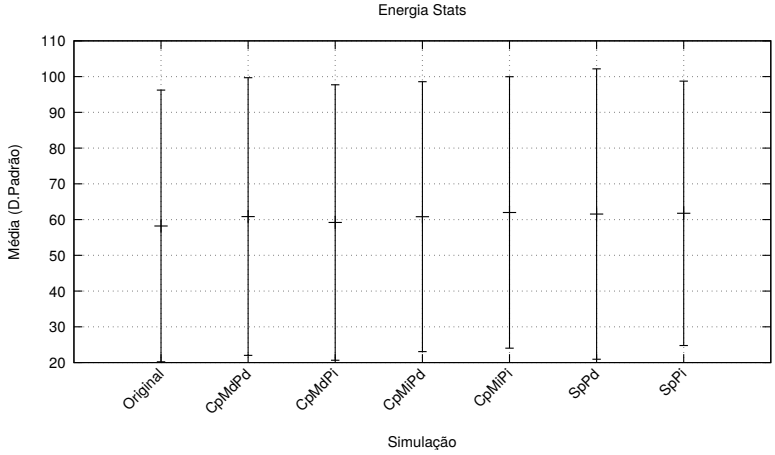
9.7 GPlan Stats

Tabela 14: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	2433.58314	463.14703	58.21695	38.00024
CpMdPd	2873.11143	464.98339	60.84457	38.84475
CpMdPi	2649.67219	437.12712	59.19332	38.53088
CpMiPd	2933.56984	467.33774	60.81261	37.75926
CpMiPi	3134.77386	494.67649	61.99005	37.97825
SpPd	3008.83990	427.33727	61.54497	40.62954
SpPi	3122.47867	460.35276	61.75876	36.98056

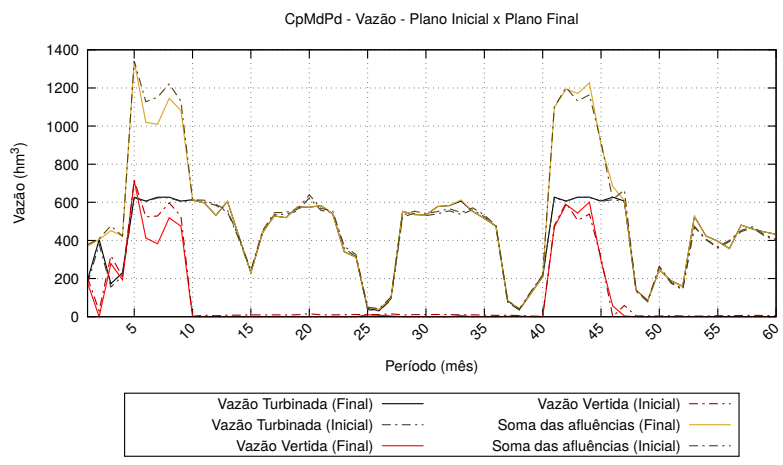


(a) Volume

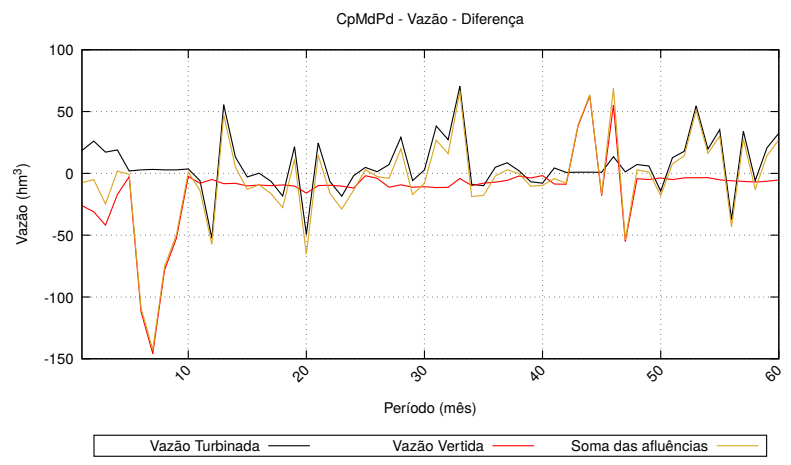


(b) Energia

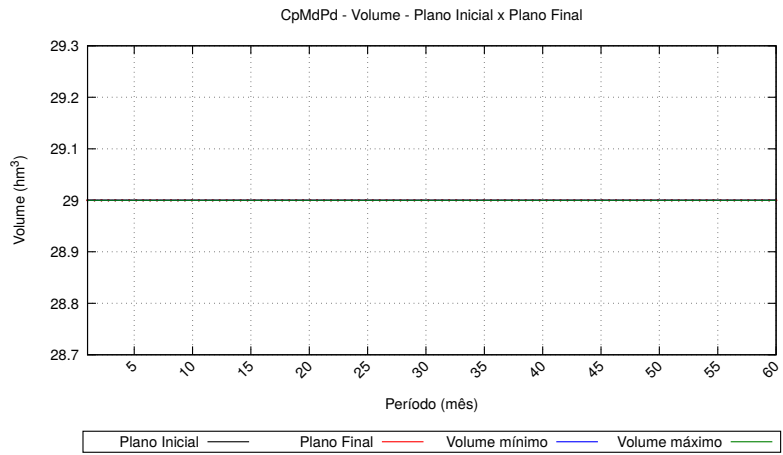
10.1 Resultados - CpMdp



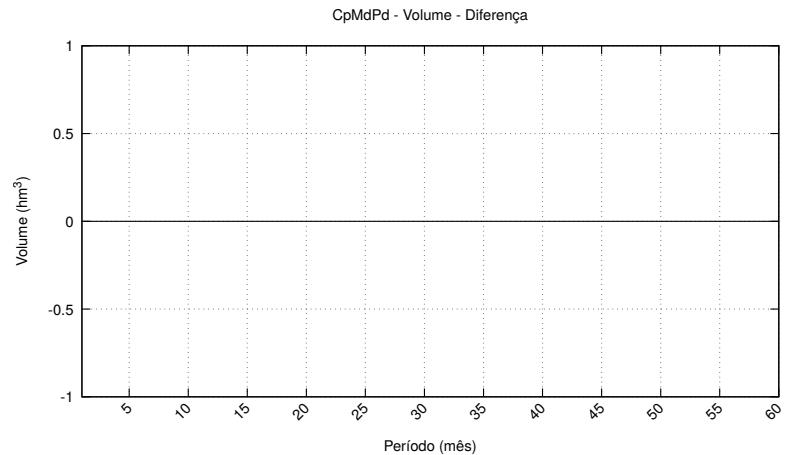
(a) CpMdp



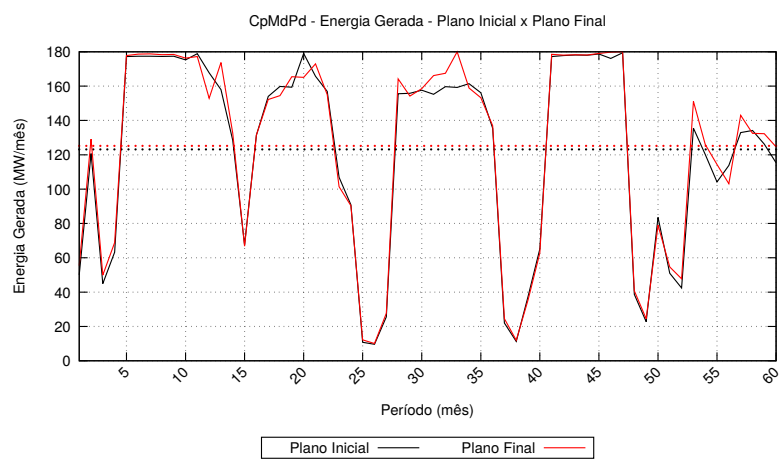
(b) CpMdp



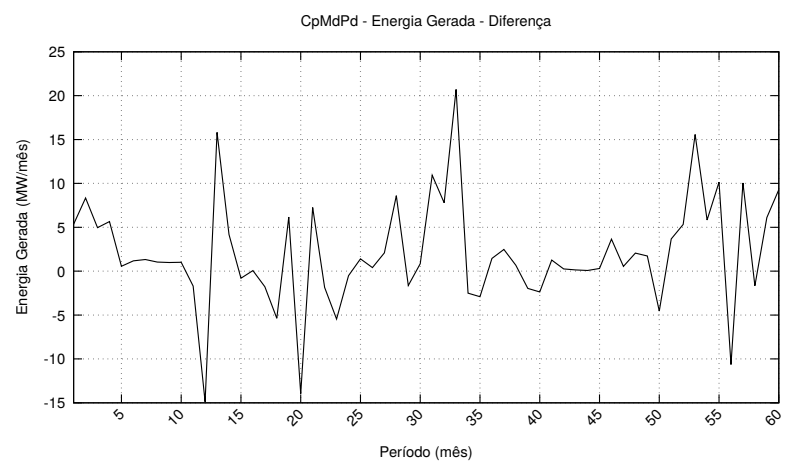
(a) CpMdp



(b) CpMdp



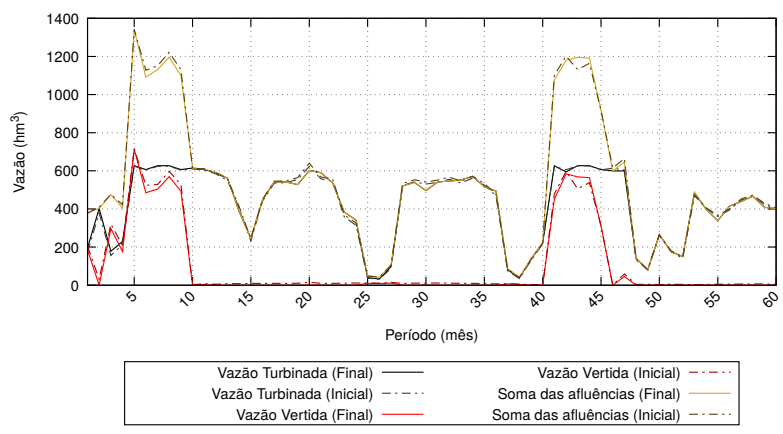
(a) CpMdp



(b) CpMdp

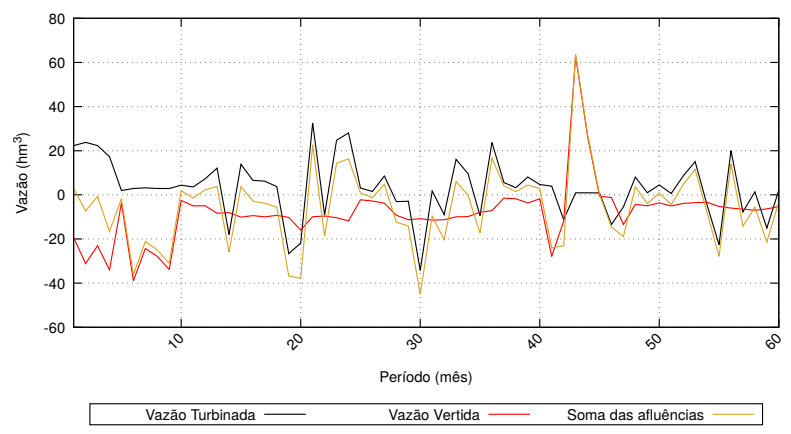
10.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



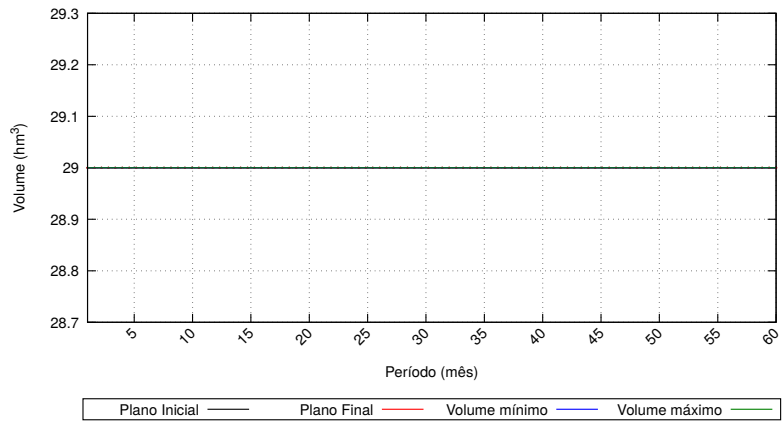
(a) CpMdPi

CpMdPi - Vazão - Diferença



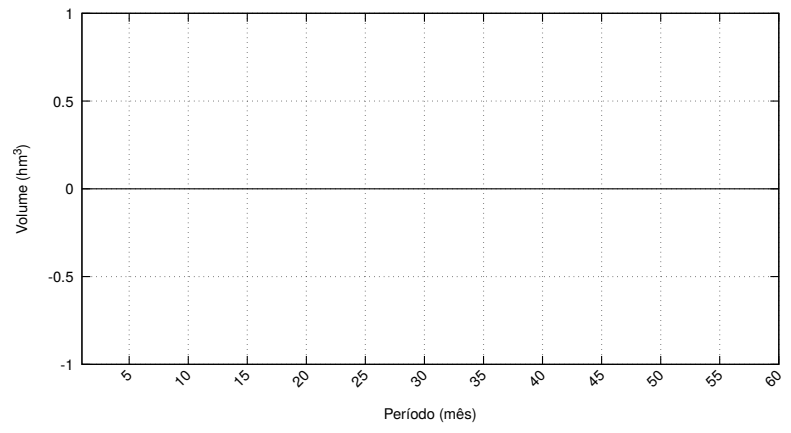
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



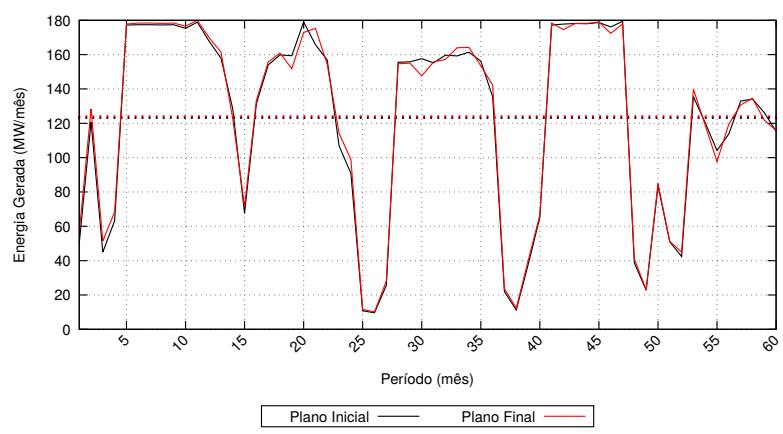
(a) CpMdPi

CpMdPi - Volume - Diferença



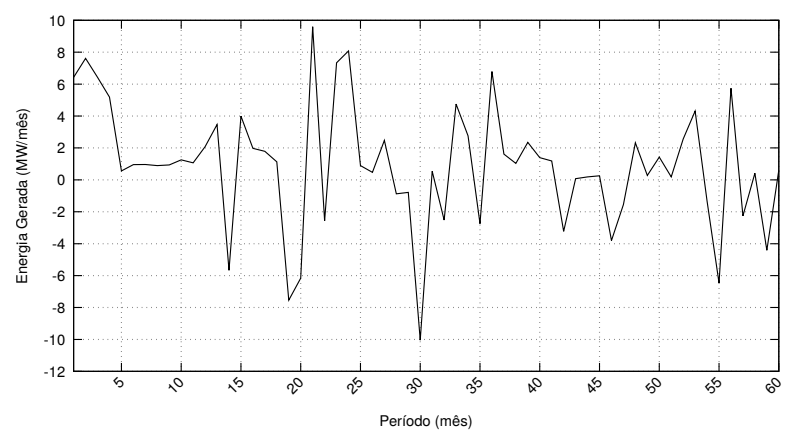
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

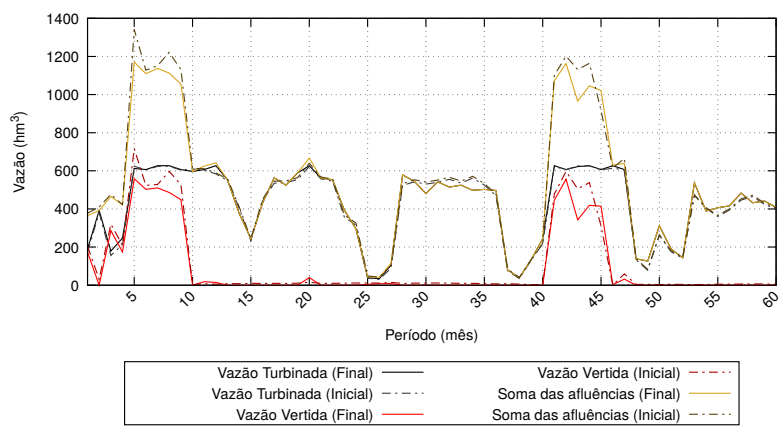
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

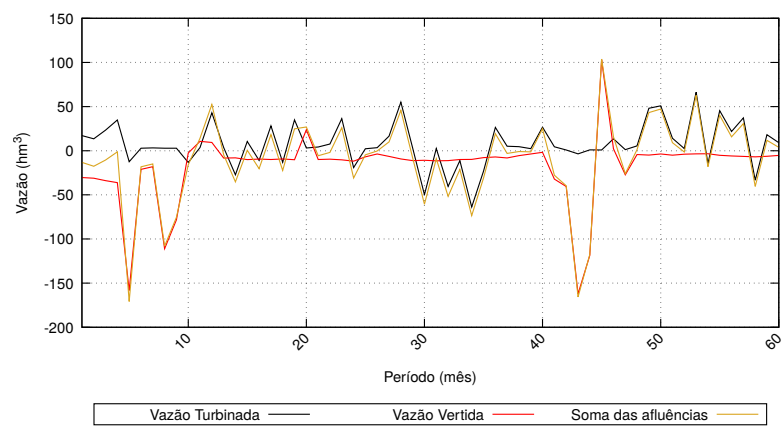
10.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



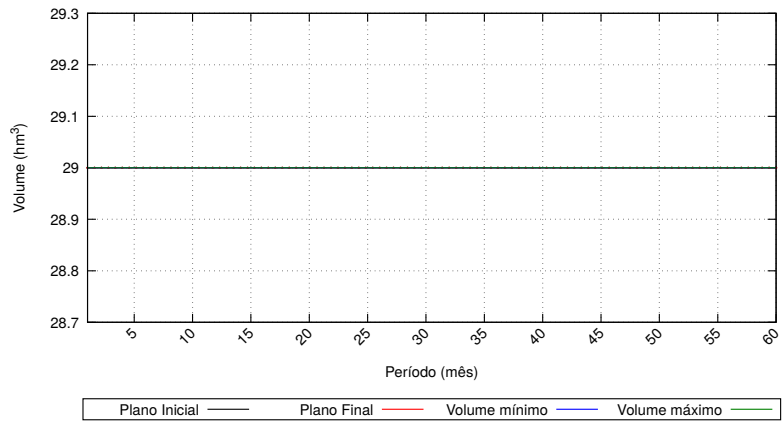
(a) CpMiPd

CpMiPd - Vazão - Diferença



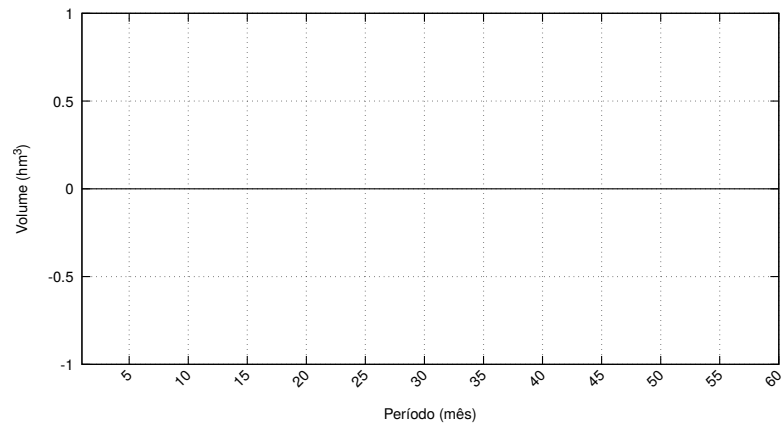
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



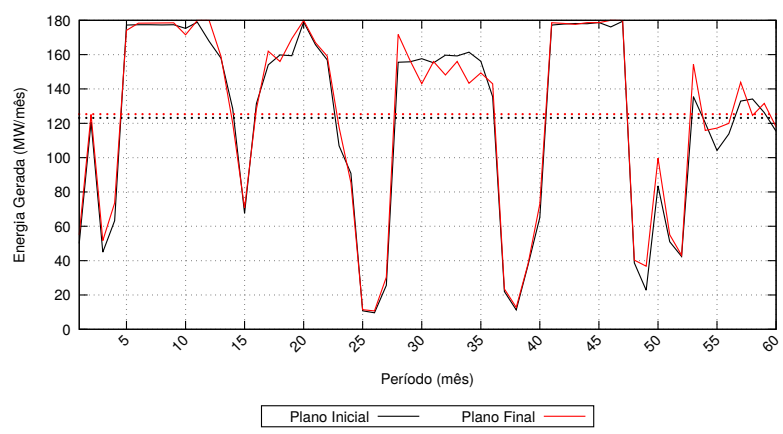
(a) CpMiPd

CpMiPd - Volume - Diferença



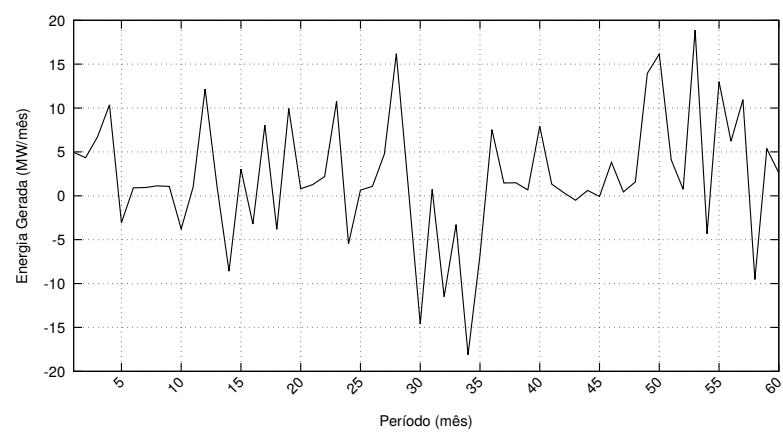
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

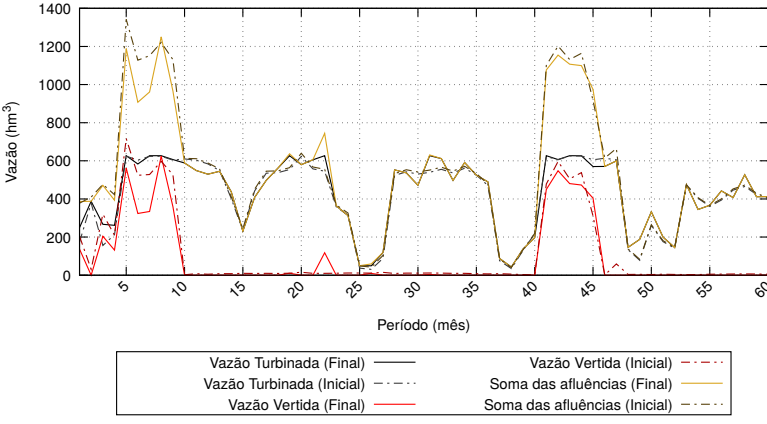
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

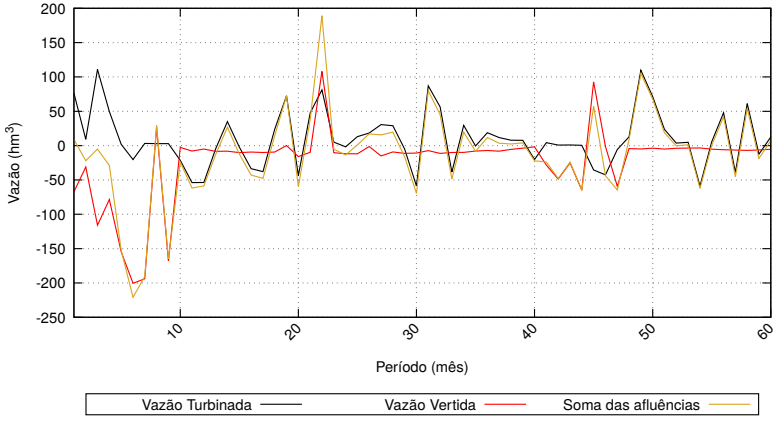
10.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



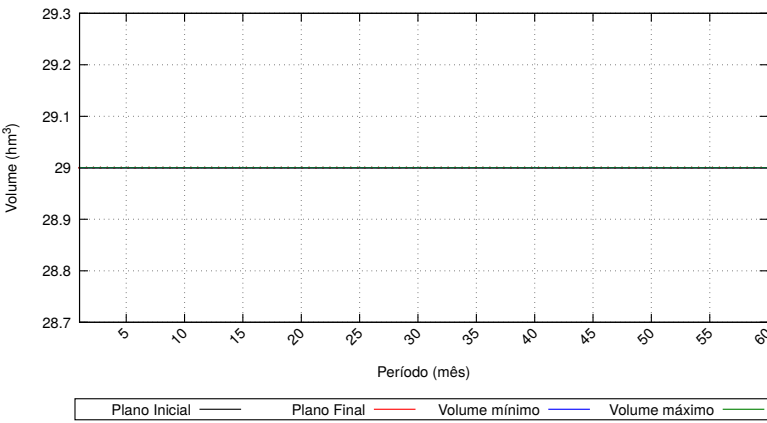
(a) CpMiPi

CpMiPi - Vazão - Diferença



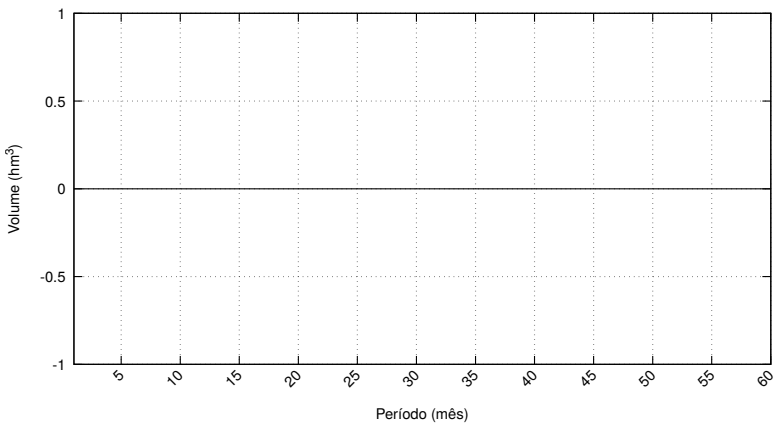
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



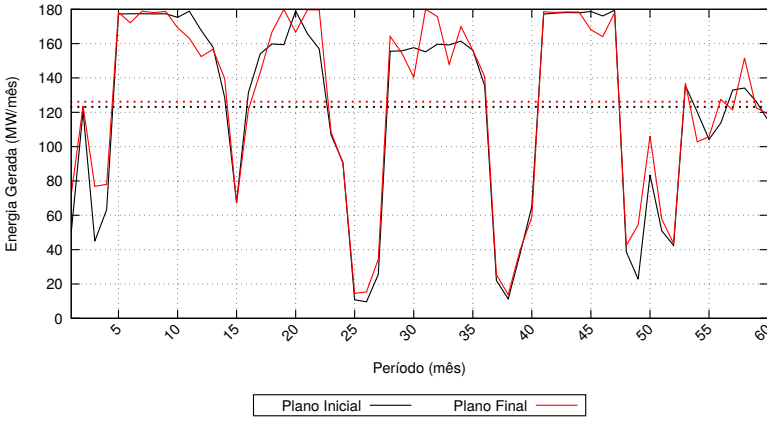
(a) CpMiPi

CpMiPi - Volume - Diferença



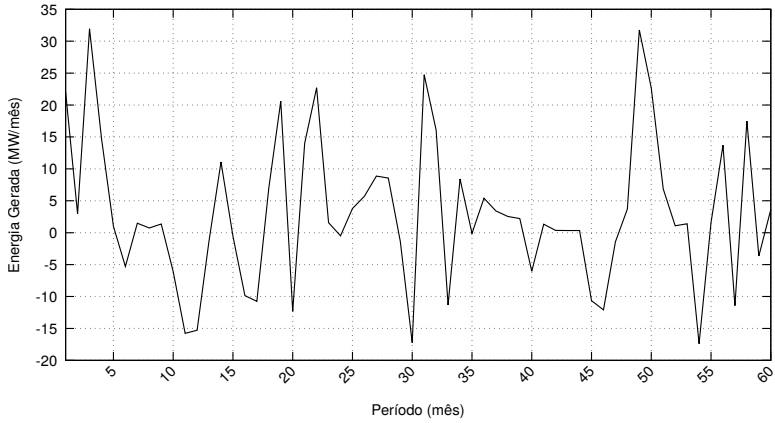
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

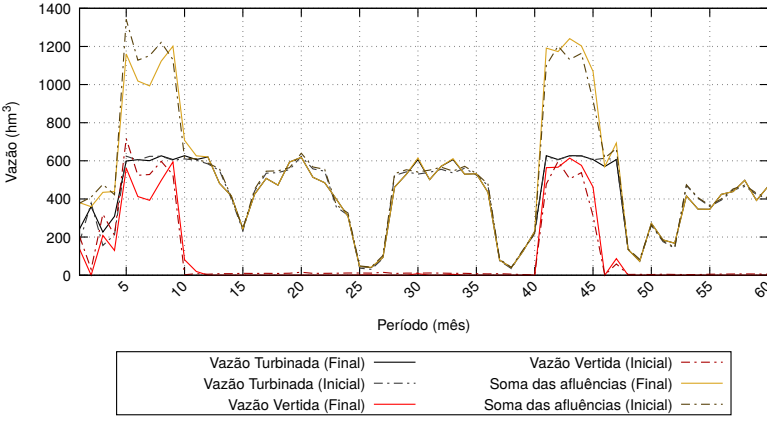
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

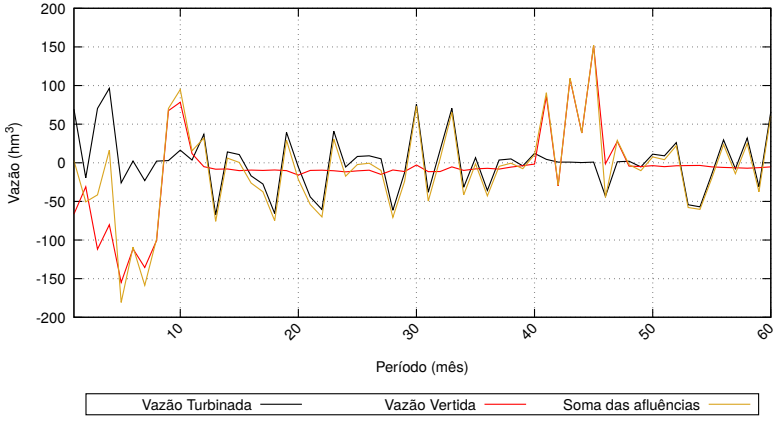
10.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



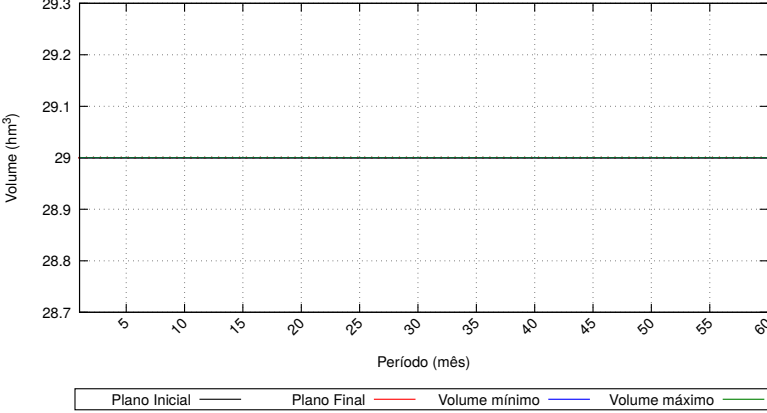
(a) SpPd

SpPd - Vazão - Diferença



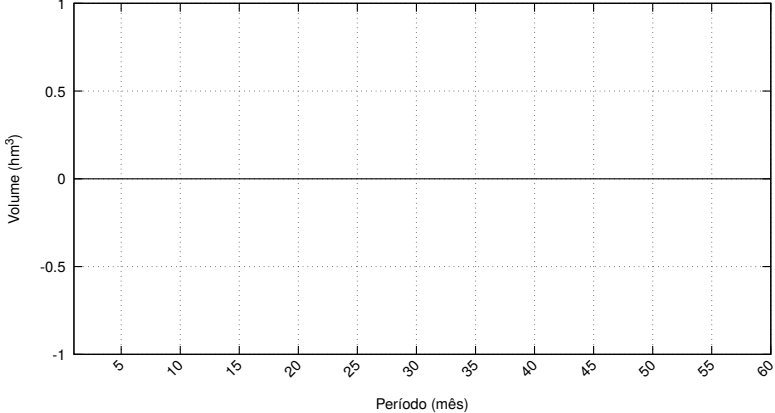
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



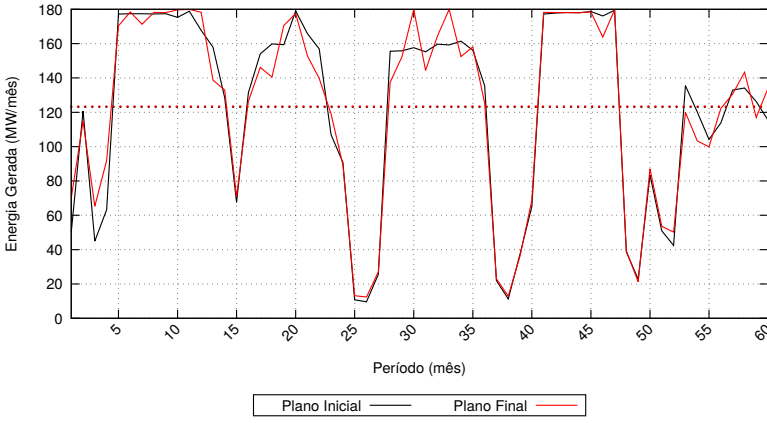
(a) SpPd

SpPd - Volume - Diferença



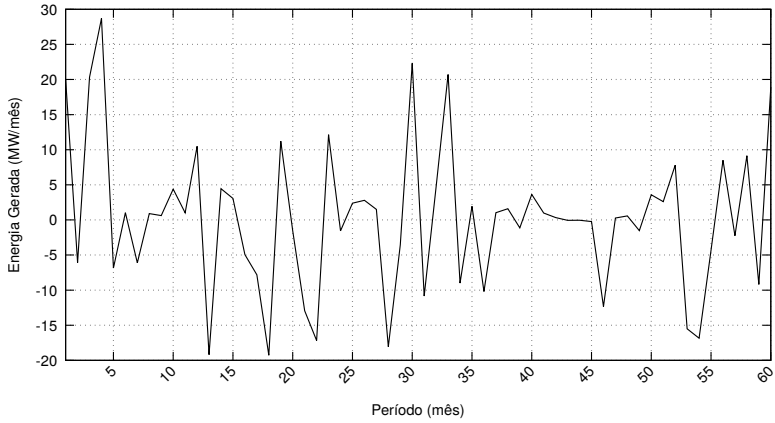
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

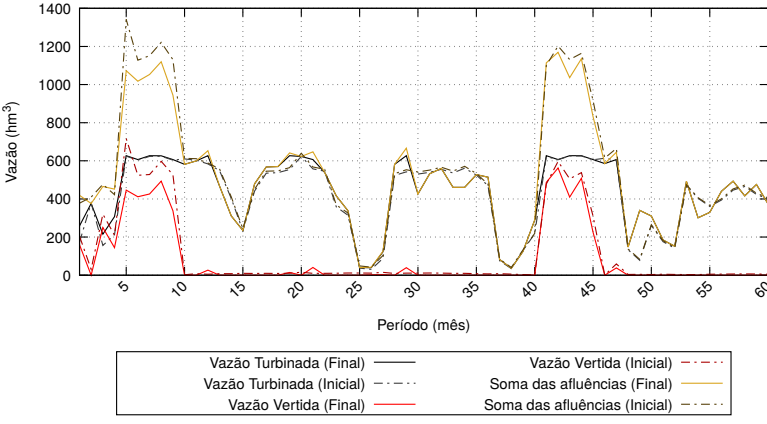
SpPd - Energia Gerada - Diferença



(b) SpPd

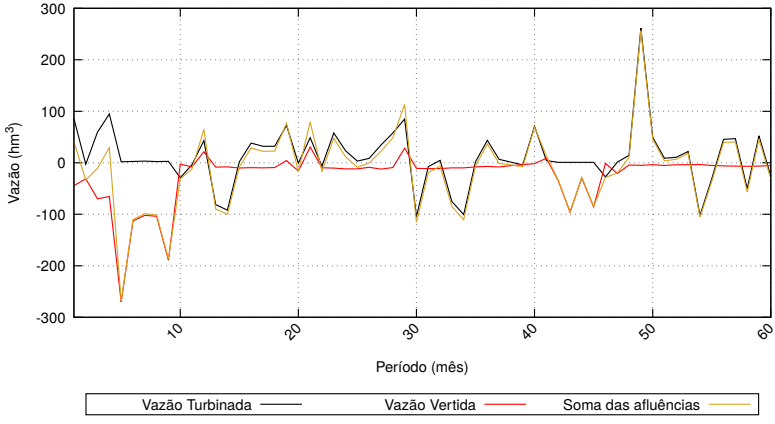
10.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



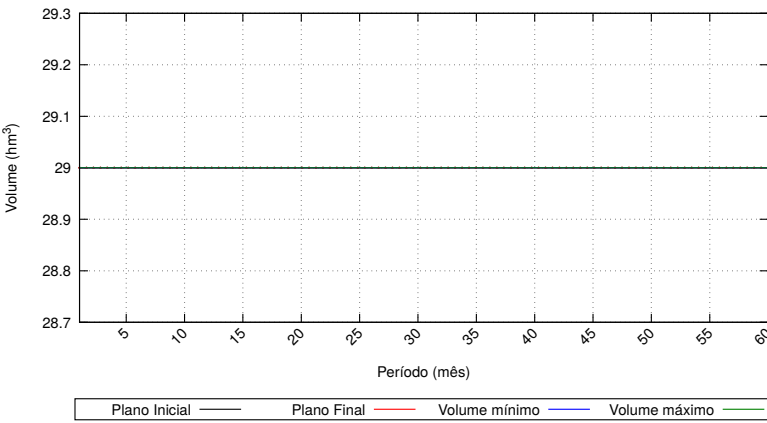
(a) SpPi

SpPi - Vazão - Diferença



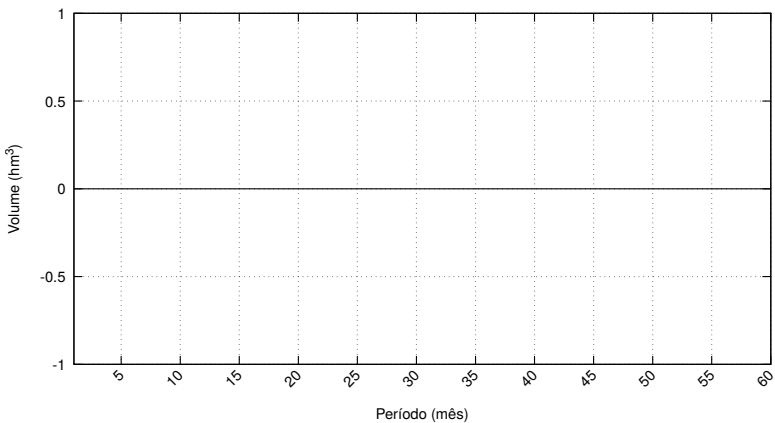
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



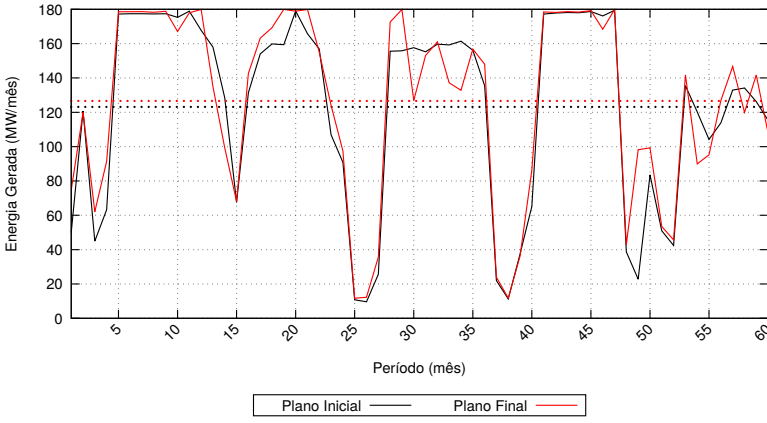
(a) SpPi

SpPi - Volume - Diferença



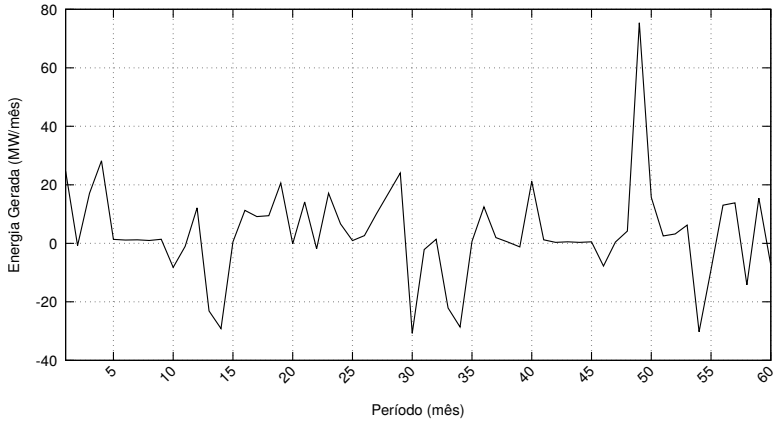
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

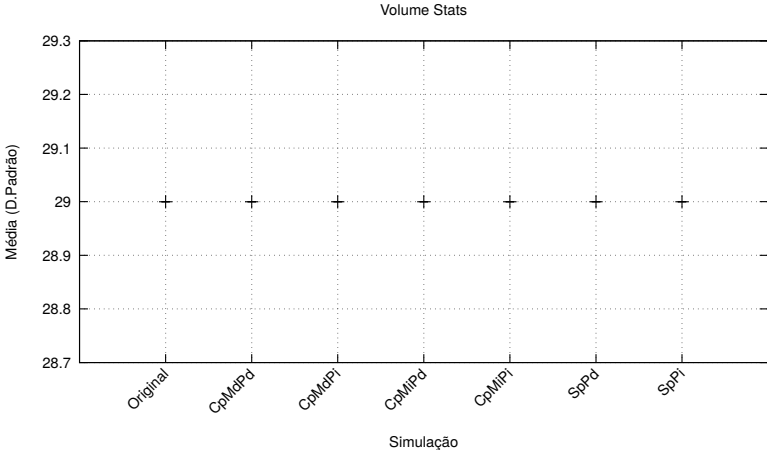


(b) SpPi

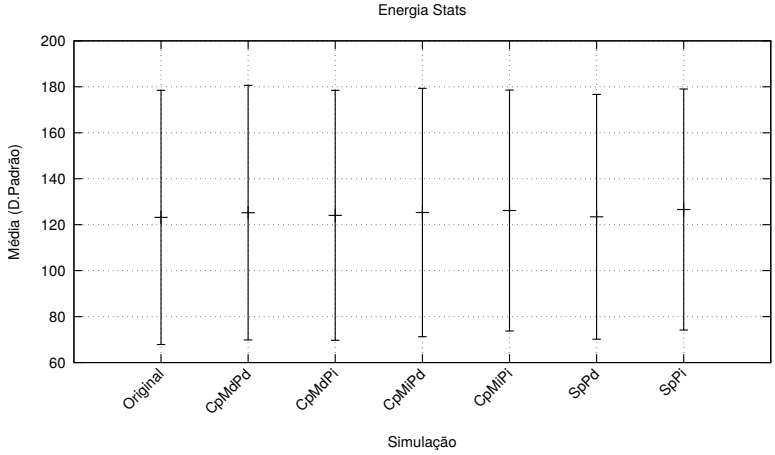
10.7 GPlan Stats

Tabela 15: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	29.00000	0.00000	123.16958	55.31046
CpMdPd	29.00000	0.00000	125.21883	55.41596
CpMdPi	29.00000	0.00000	124.07579	54.38419
CpMiPd	29.00000	0.00000	125.29990	54.03776
CpMiPi	29.00000	0.00000	126.15004	52.43192
SpPd	29.00000	0.00000	123.42077	53.26843
SpPi	29.00000	0.00000	126.58961	52.45080



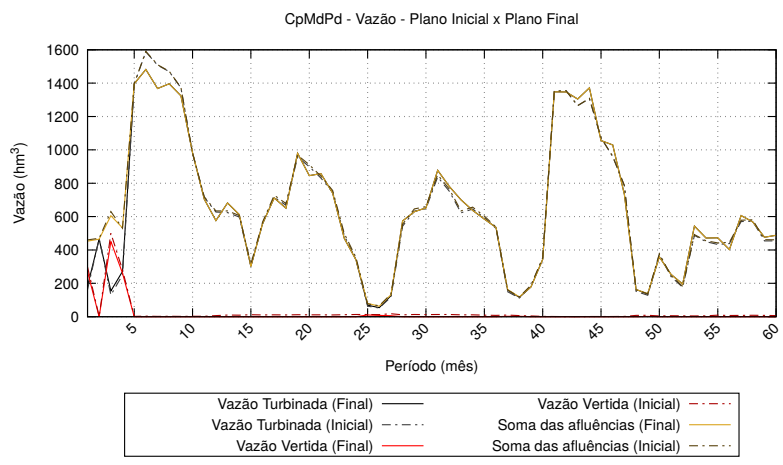
(a) Volume



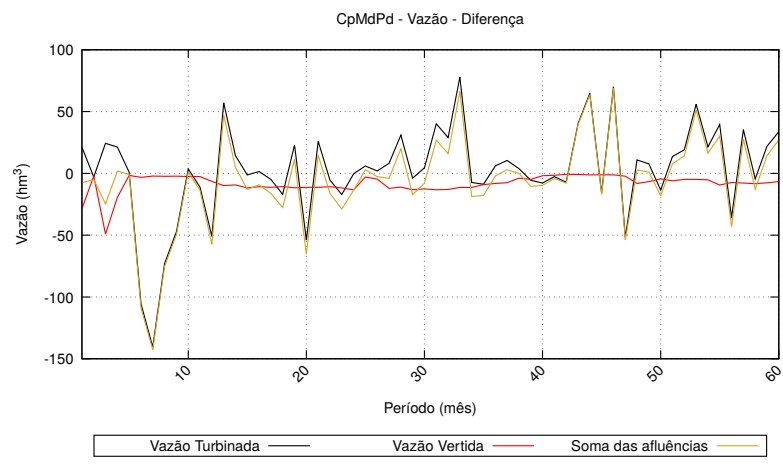
(b) Energia

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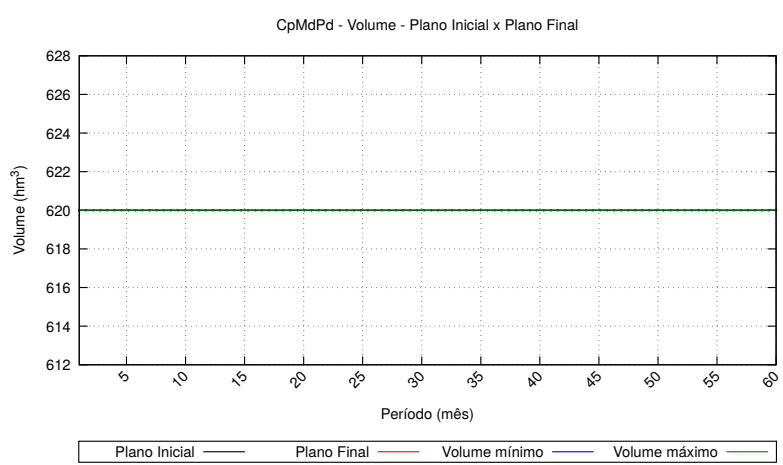
11.1 Resultados - CpMdPd



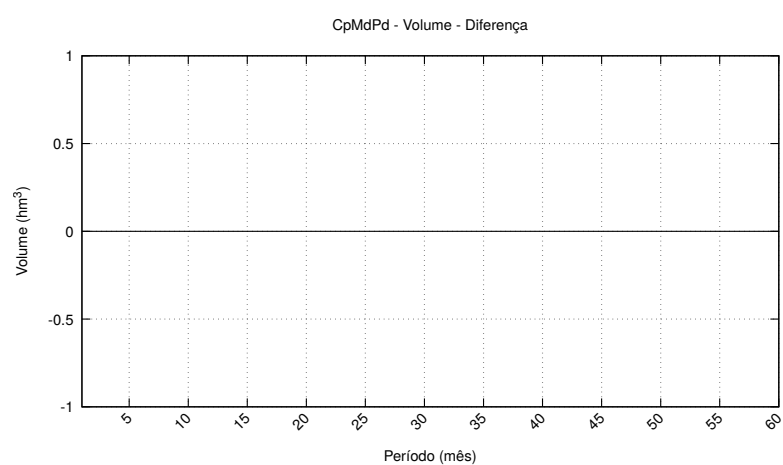
(a) CpMdPd



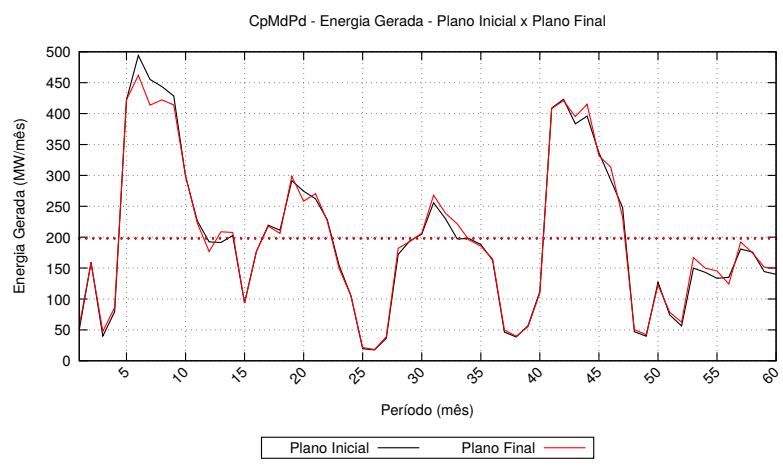
(b) CpMdPd



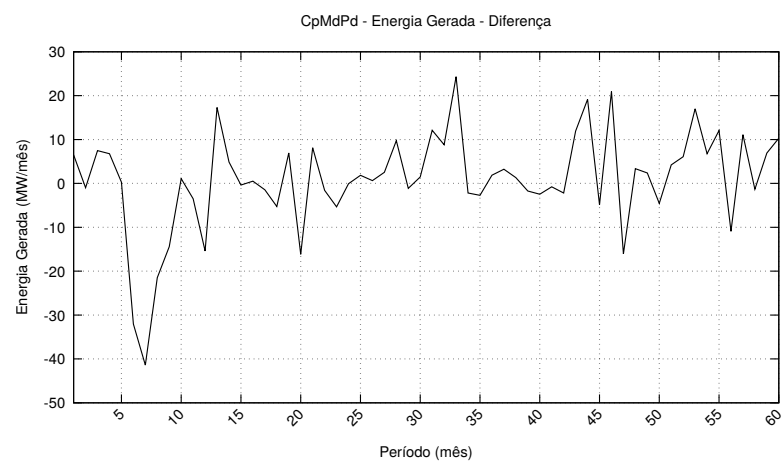
(a) CpMdPd



(b) CpMdPd



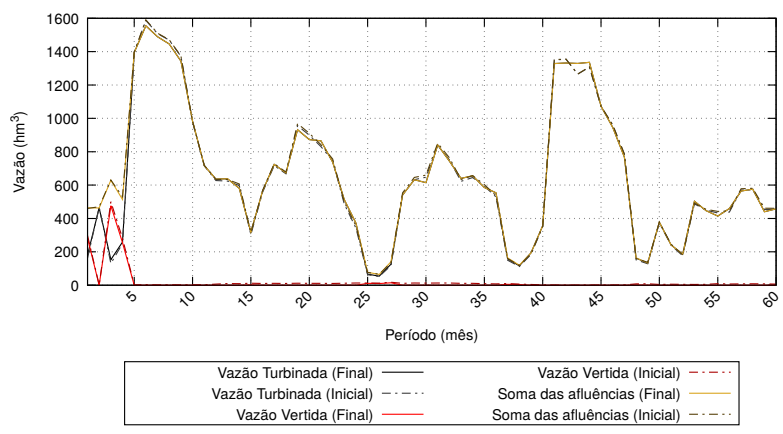
(a) CpMdPd



(b) CpMdPd

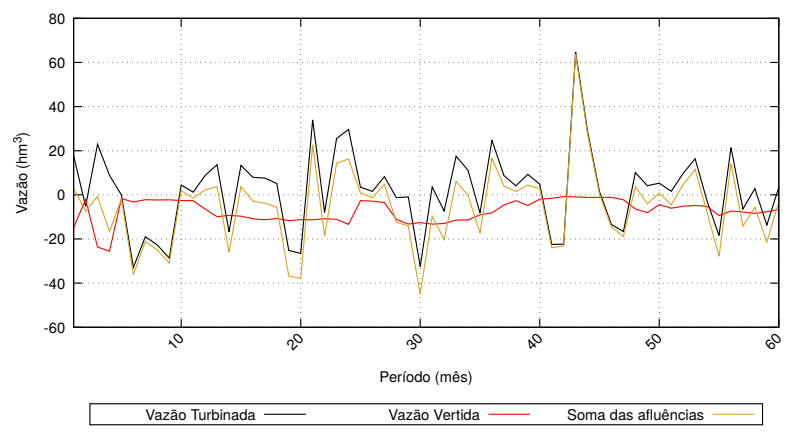
11.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



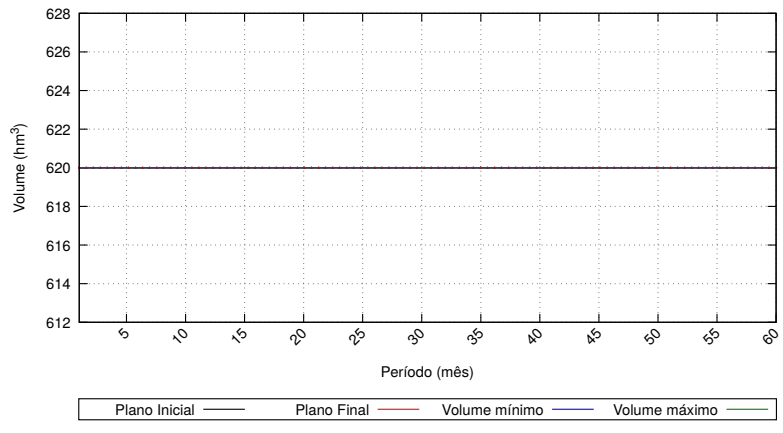
(a) CpMdPi

CpMdPi - Vazão - Diferença



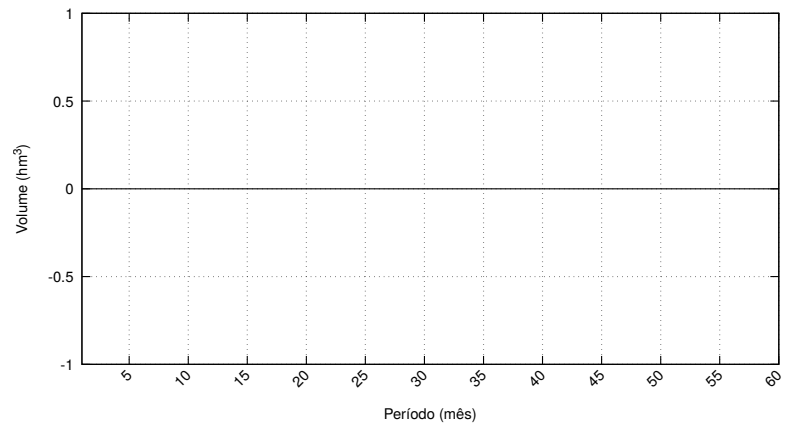
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



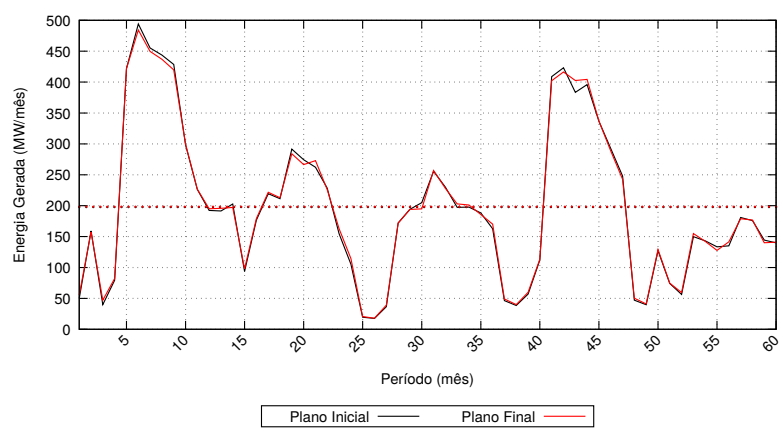
(a) CpMdPi

CpMdPi - Volume - Diferença



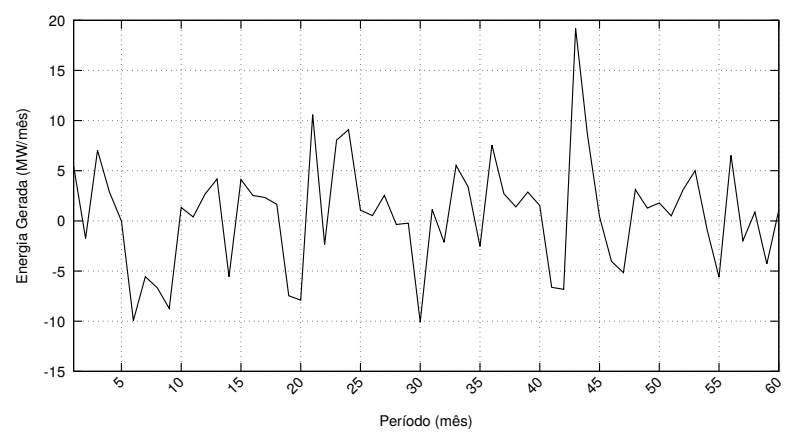
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



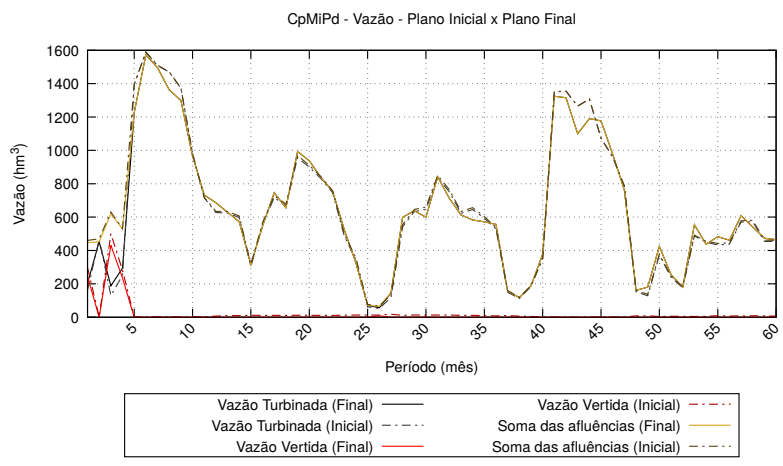
(a) CpMdPi

CpMdPi - Energia Gerada - Diferença

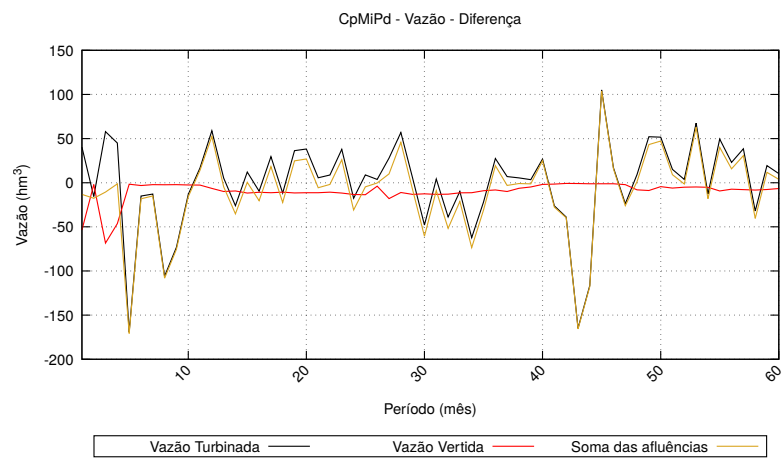


(b) CpMdPi

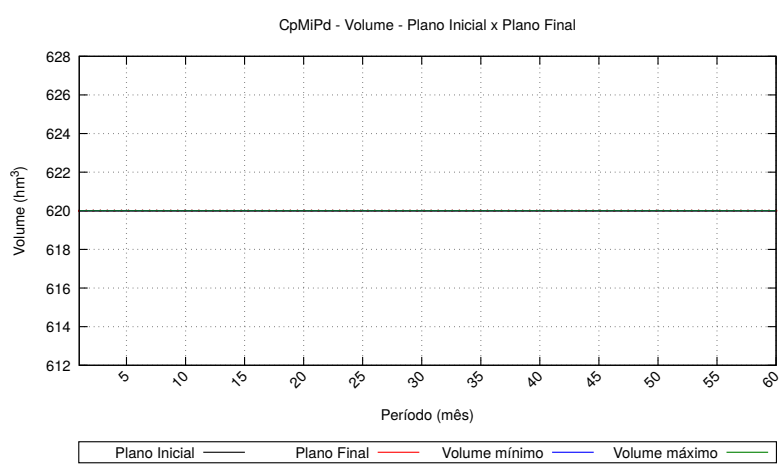
11.3 Resultados - CpMiPd



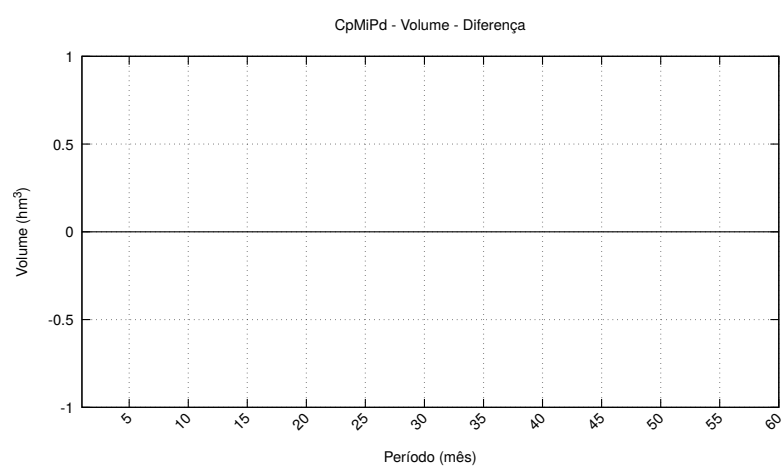
(a) CpMiPd



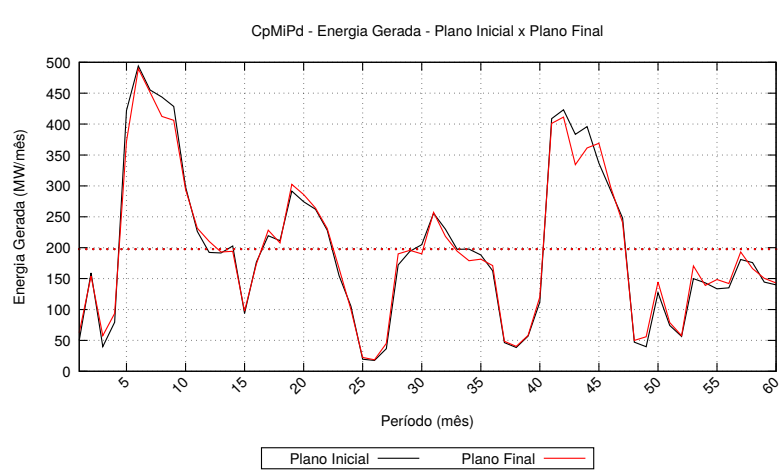
(b) CpMiPd



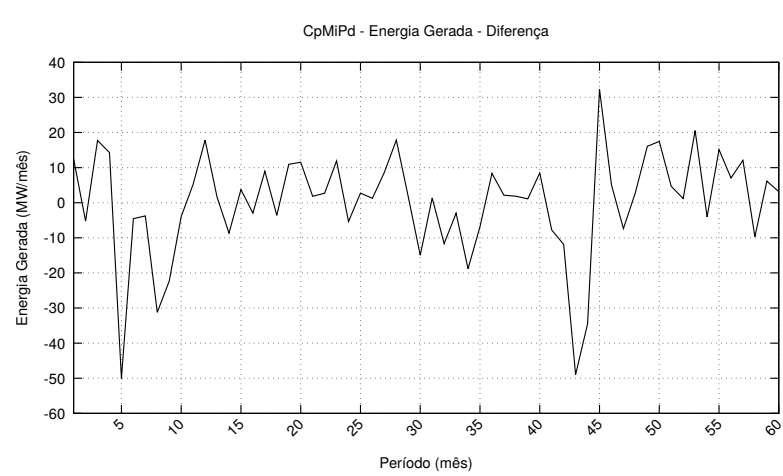
(a) CpMiPd



(b) CpMiPd



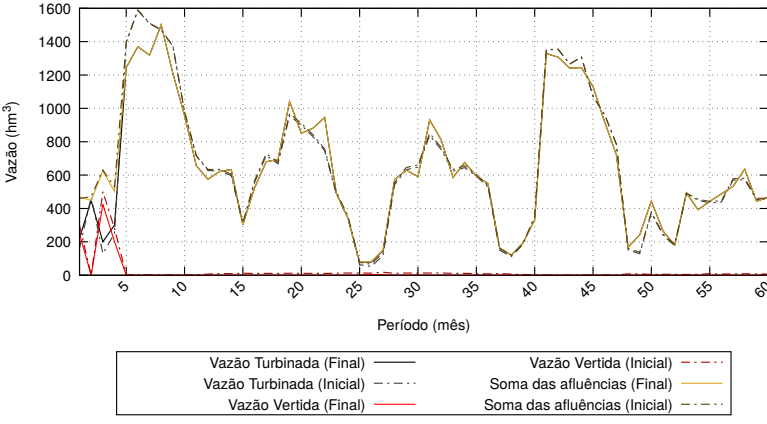
(a) CpMiPd



(b) CpMiPd

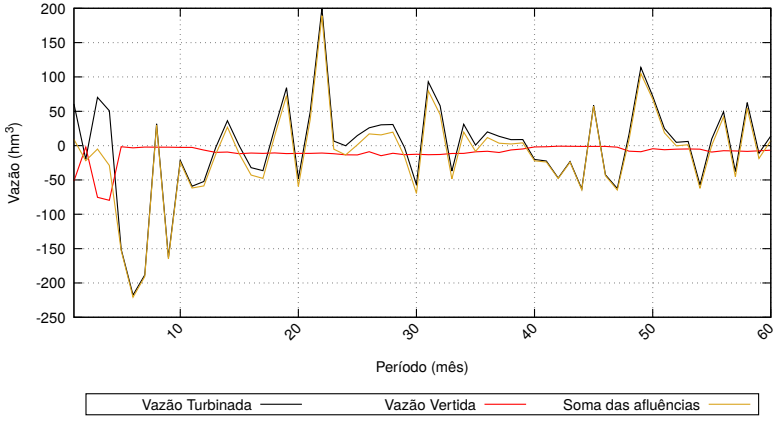
11.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



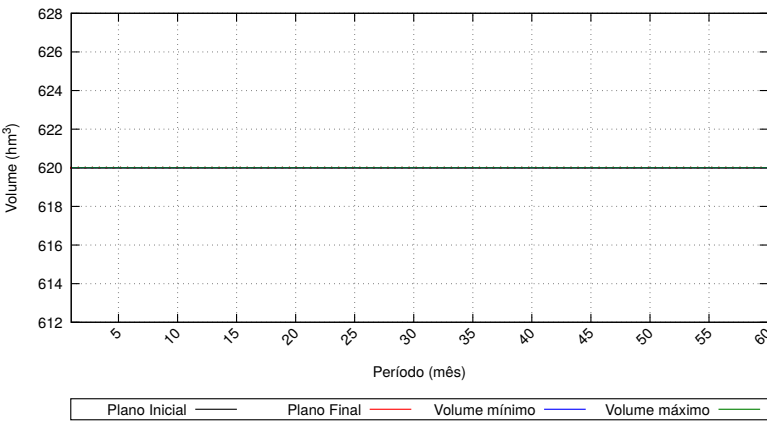
(a) CpMiPi

CpMiPi - Vazão - Diferença



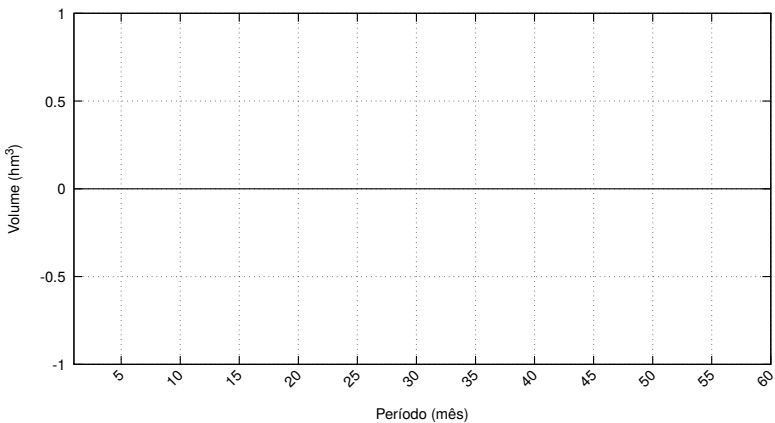
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



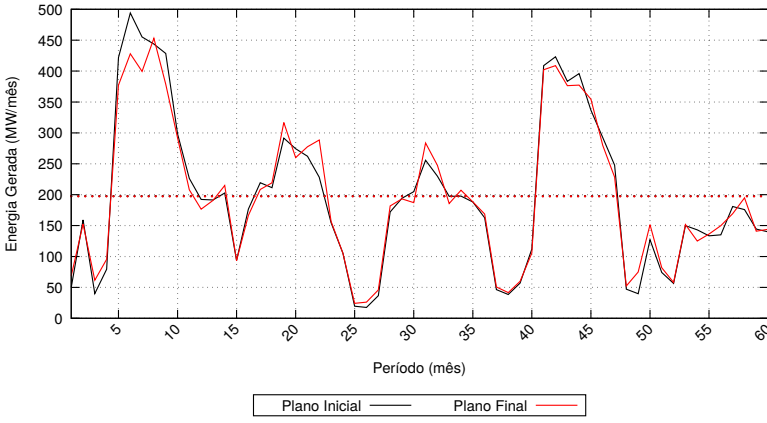
(a) CpMiPi

CpMiPi - Volume - Diferença



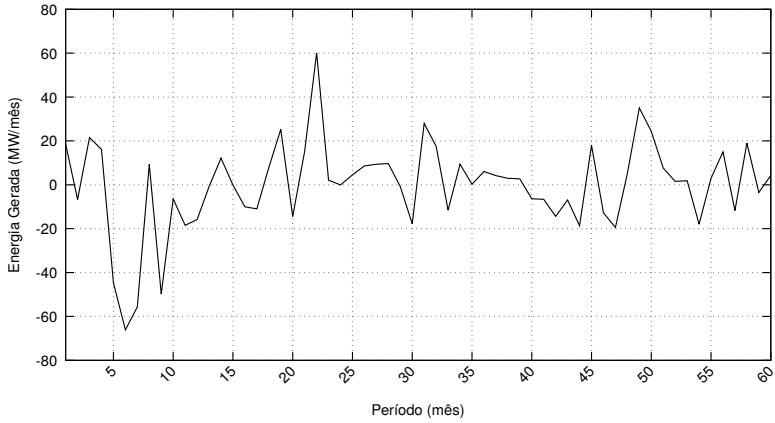
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

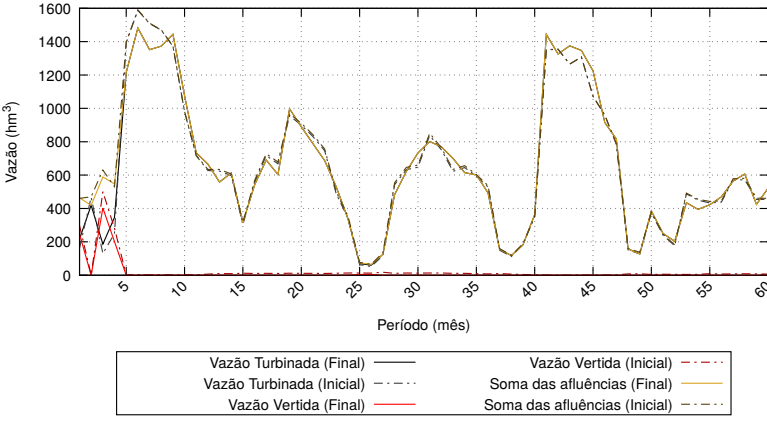
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

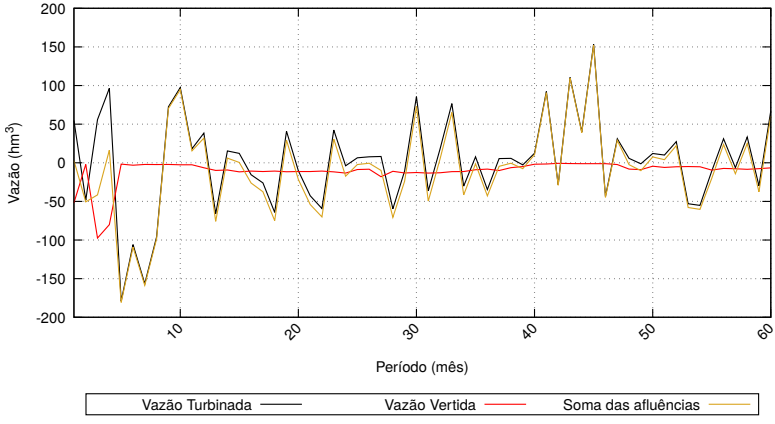
11.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



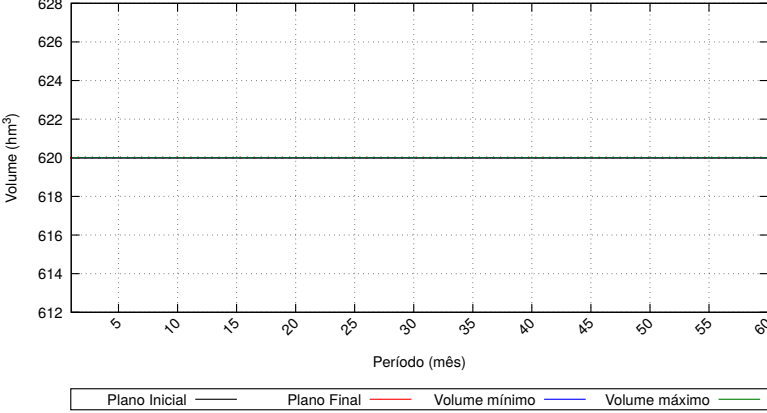
(a) SpPd

SpPd - Vazão - Diferença



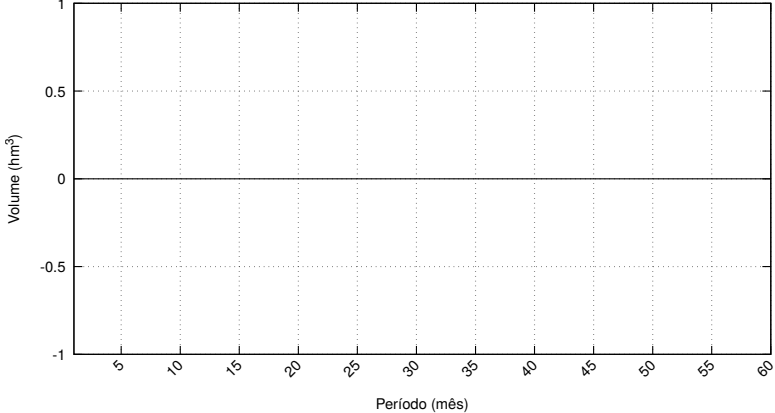
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



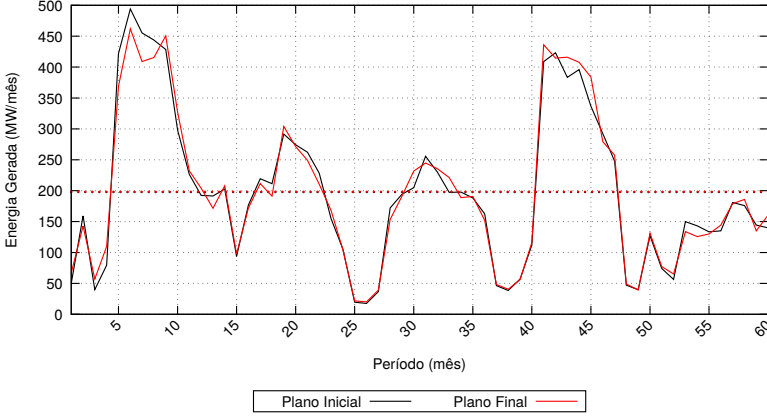
(a) SpPd

SpPd - Volume - Diferença



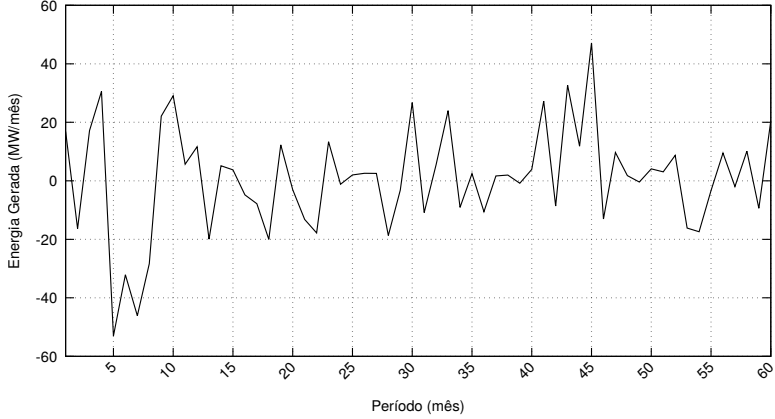
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



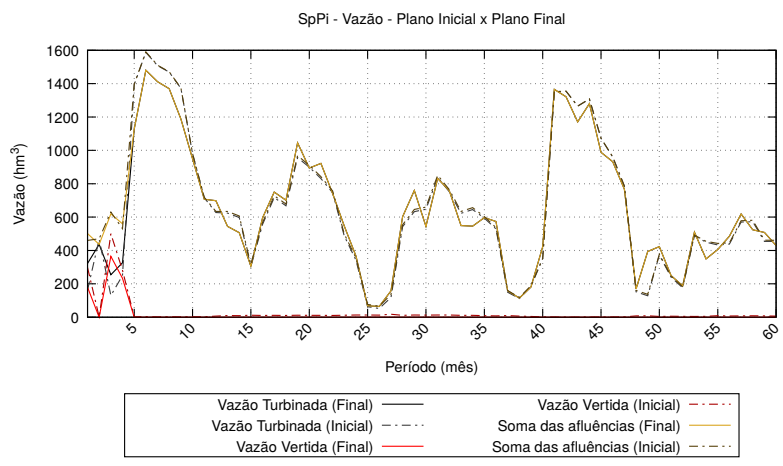
(a) SpPd

SpPd - Energia Gerada - Diferença

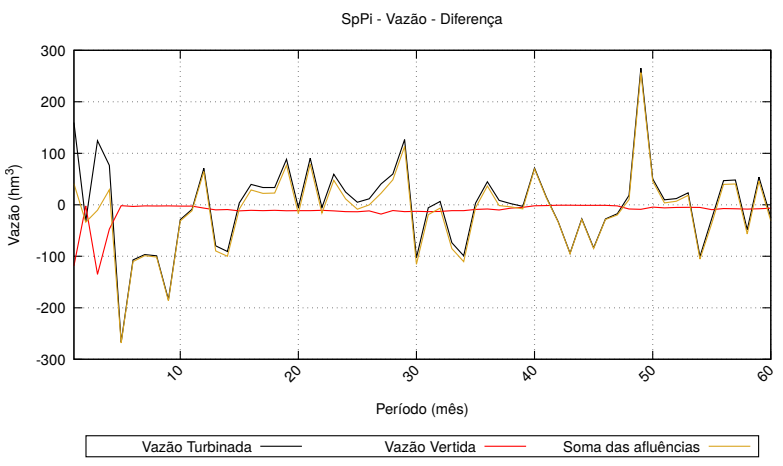


(b) SpPd

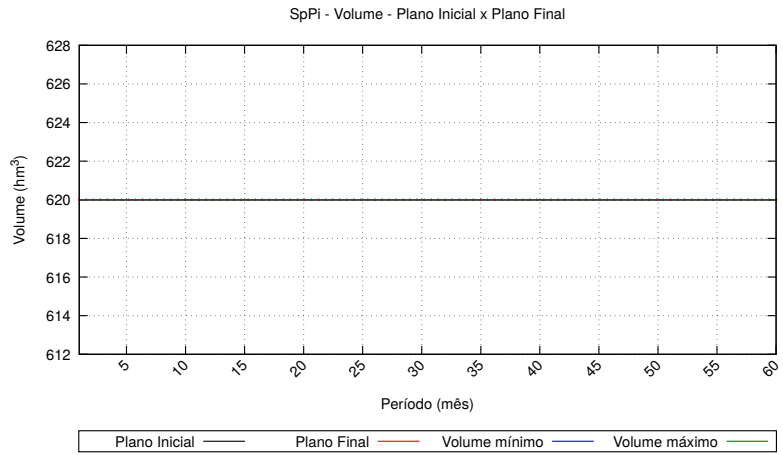
11.6 Resultados - SpPi



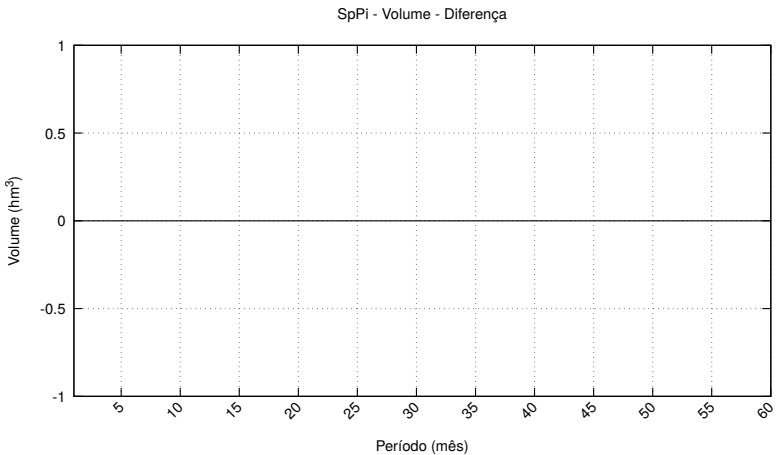
(a) SpPi



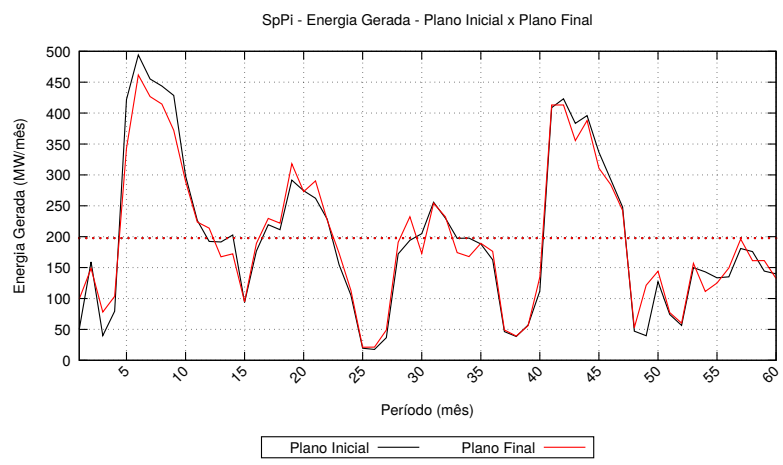
(b) SpPi



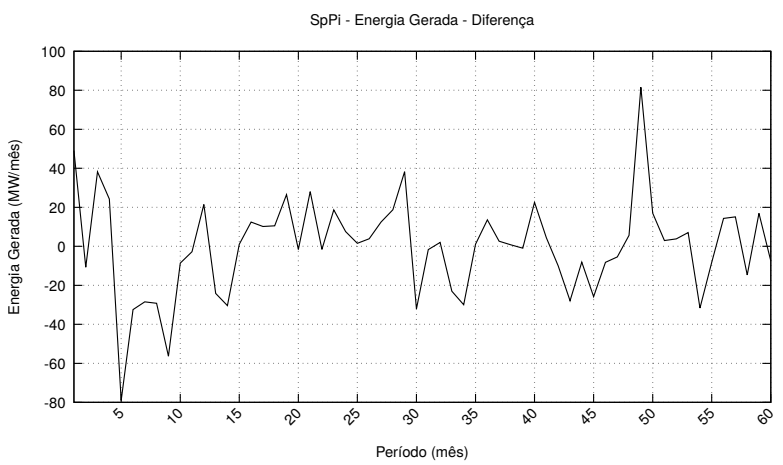
(a) SpPi



(b) SpPi



(a) SpPi

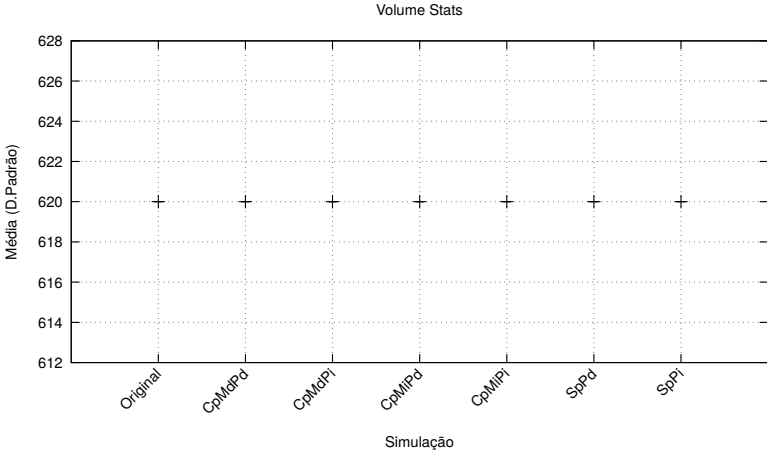


(b) SpPi

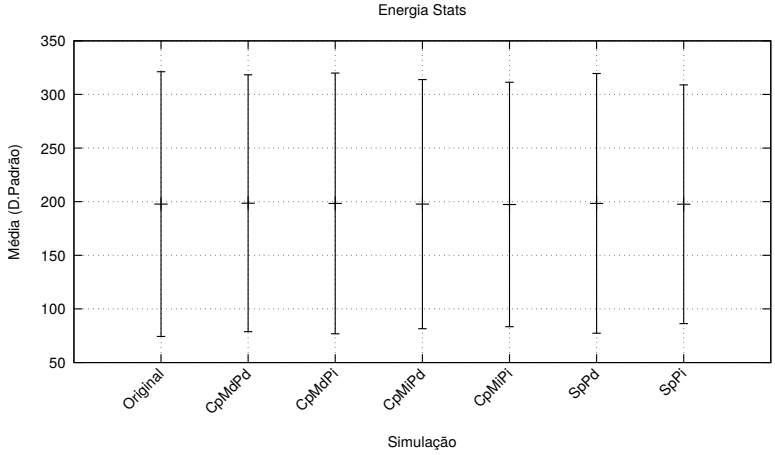
11.7 GPlan Stats

Tabela 16: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	620.00000	0.00000	197.76791	123.40355
CpMdPd	620.00000	0.00000	198.59911	119.75842
CpMdPi	620.00000	0.00000	198.39034	121.58507
CpMiPd	620.00000	0.00000	197.74629	116.14198
CpMiPi	620.00000	0.00000	197.41127	113.94264
SpPd	620.00000	0.00000	198.43831	121.07830
SpPi	620.00000	0.00000	197.66173	111.31087

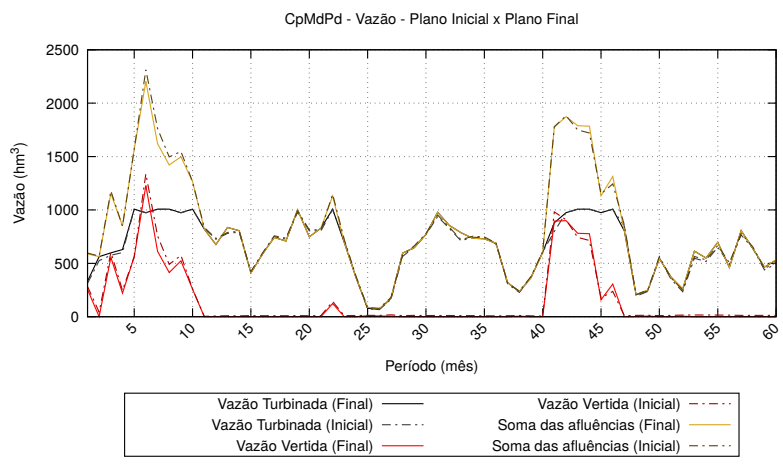


(a) Volume

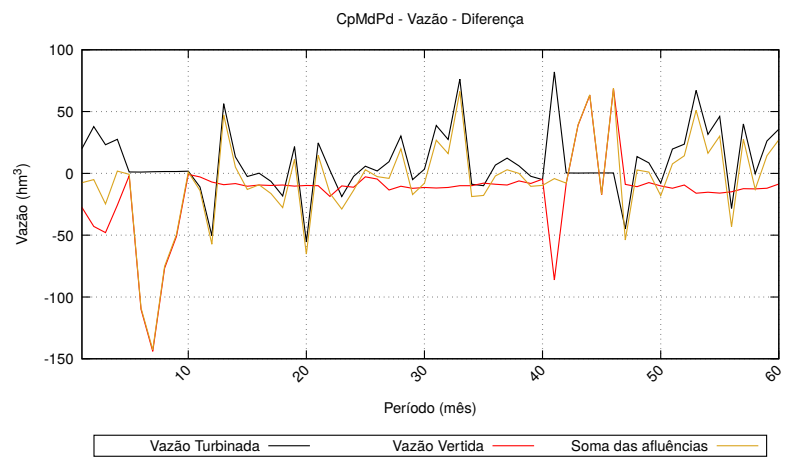


(b) Energia

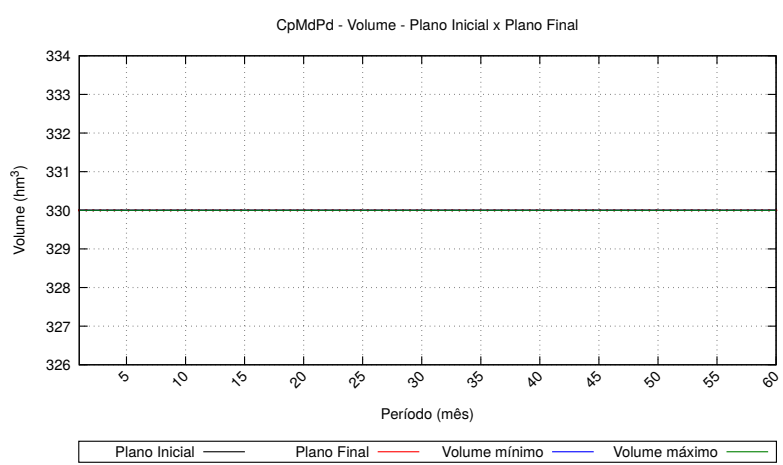
12.1 Resultados - CpMdPd



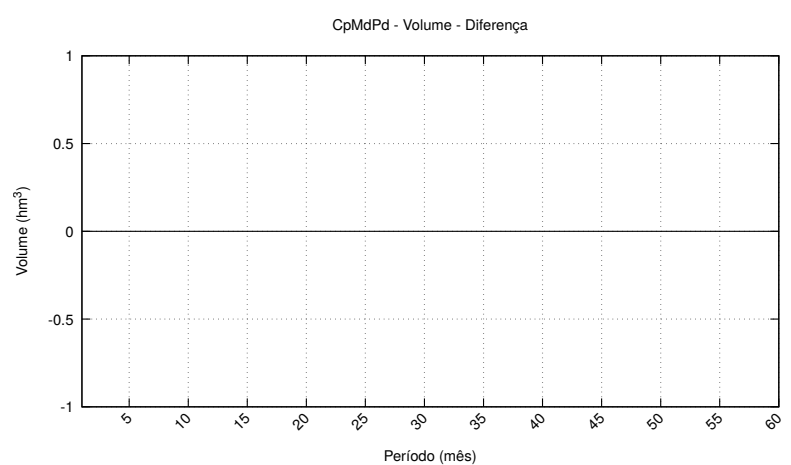
(a) CpMdPd



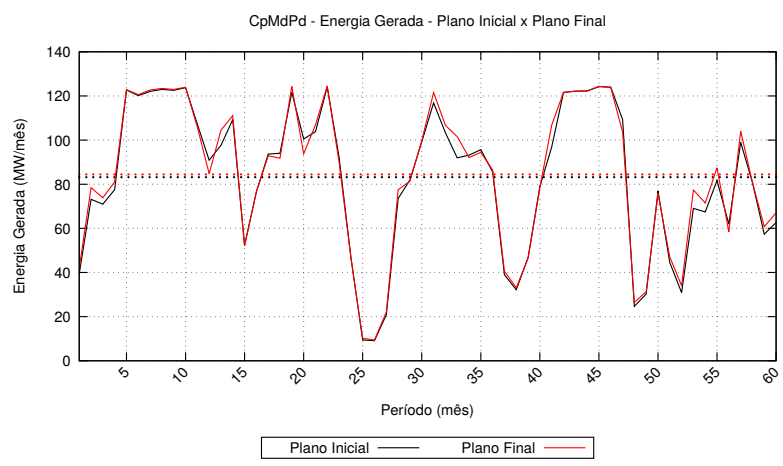
(b) CpMdPd



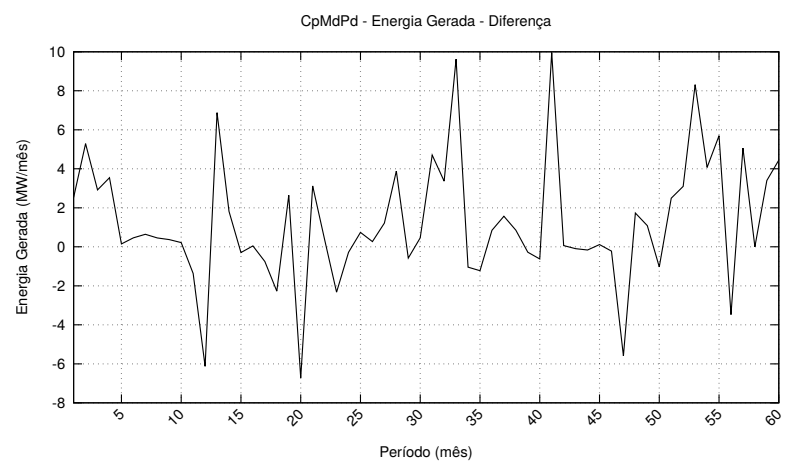
(a) CpMdPd



(b) CpMdPd



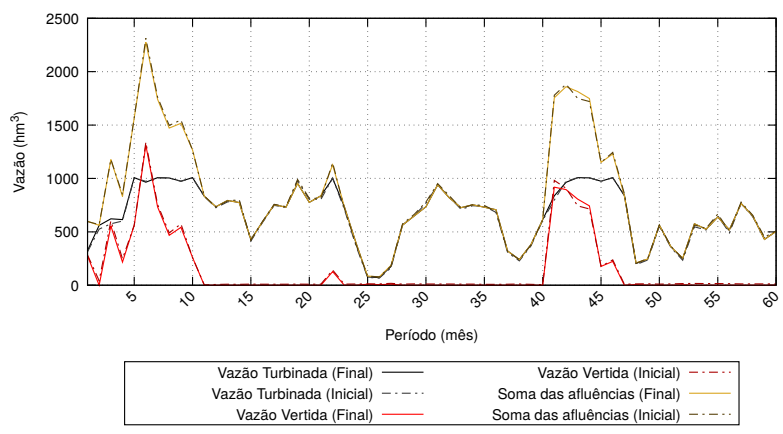
(a) CpMdPd



(b) CpMdPd

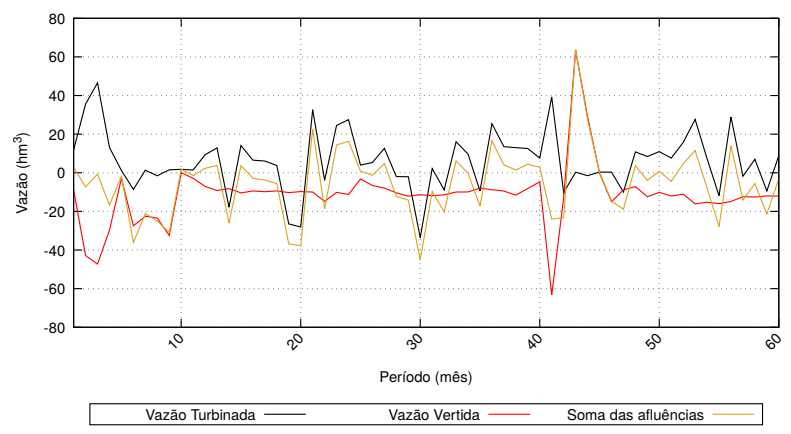
12.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



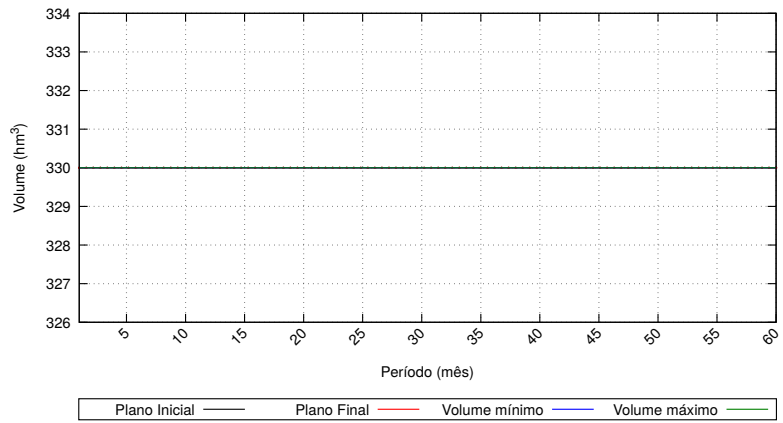
(a) CpMdPi

CpMdPi - Vazão - Diferença



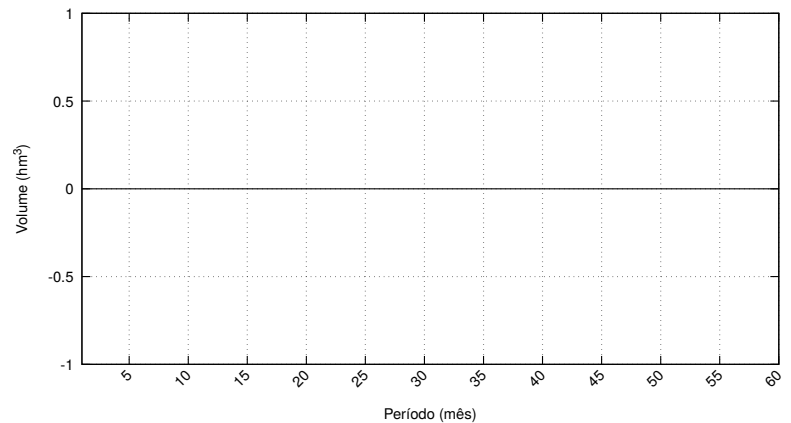
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



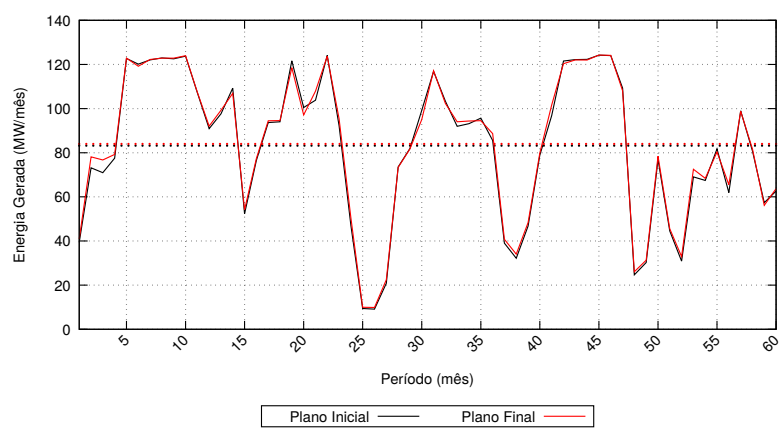
(a) CpMdPi

CpMdPi - Volume - Diferença



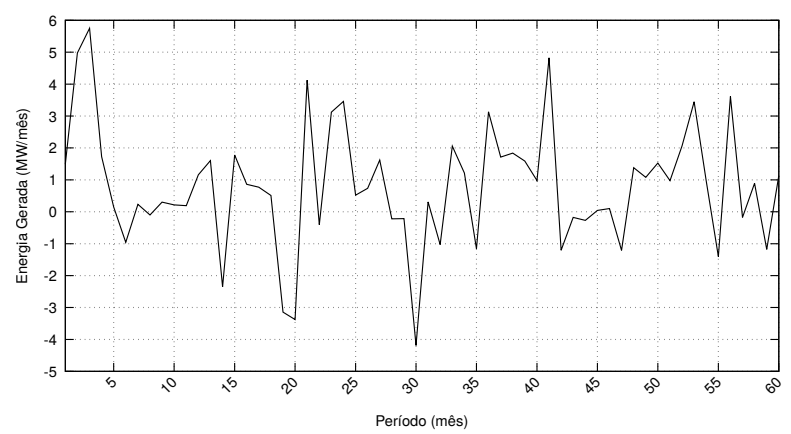
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

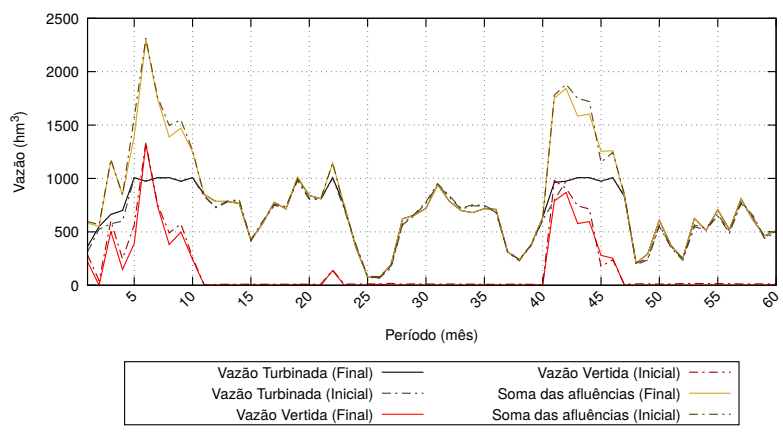
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

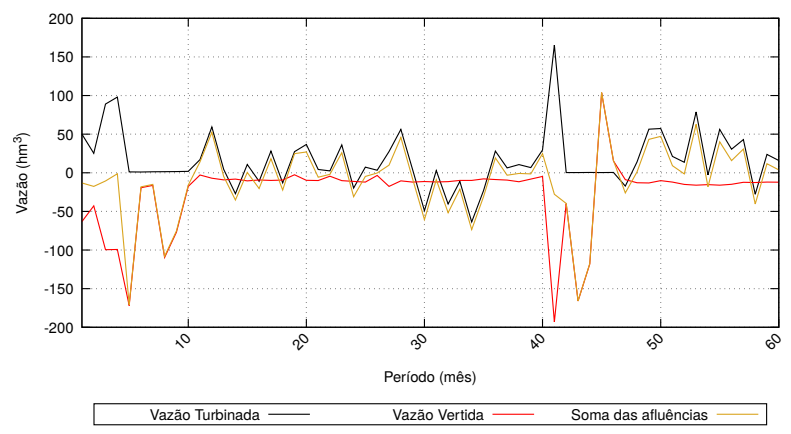
12.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



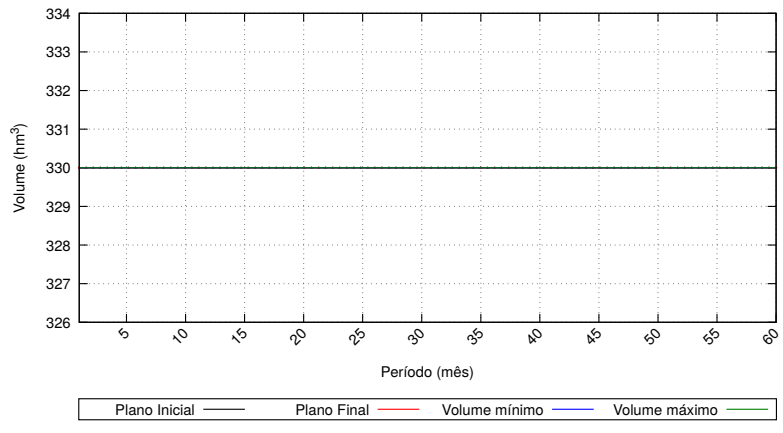
(a) CpMiPd

CpMiPd - Vazão - Diferença



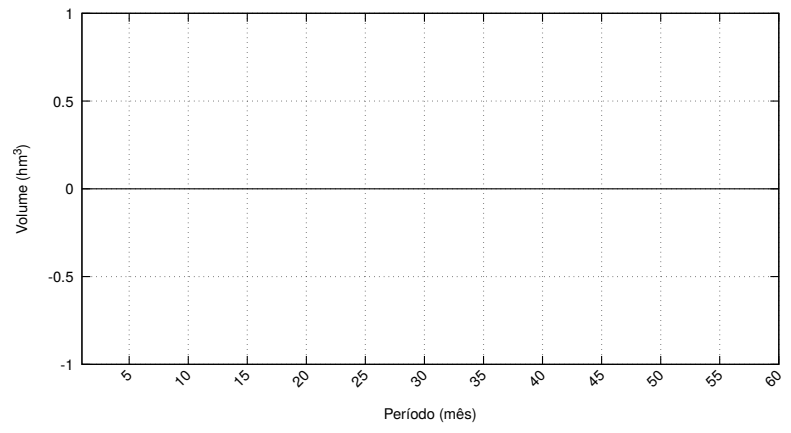
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



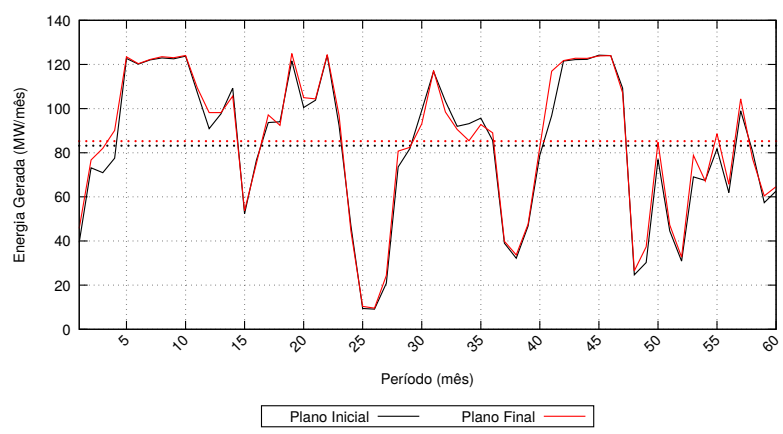
(a) CpMiPd

CpMiPd - Volume - Diferença



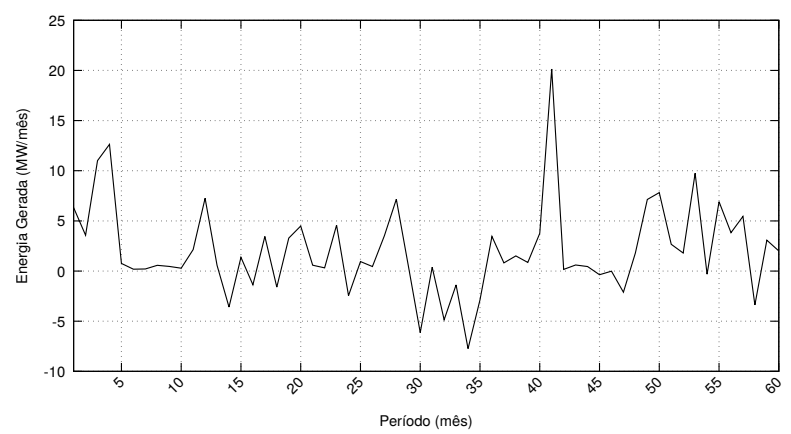
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

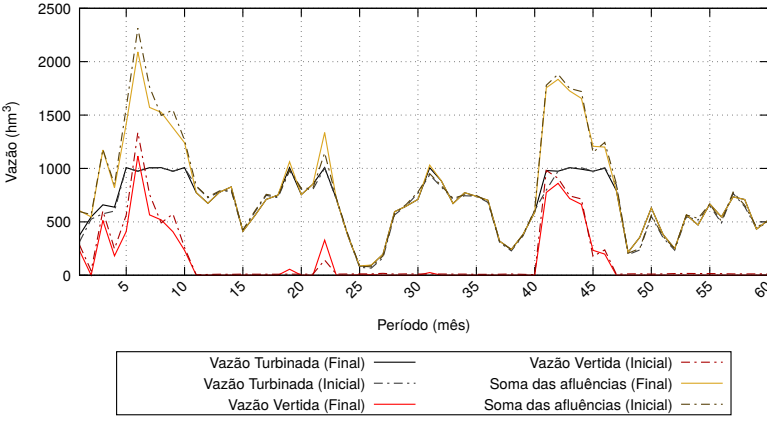
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

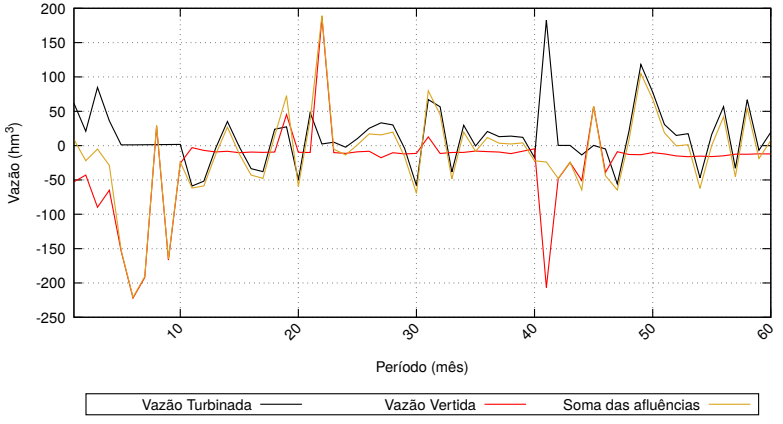
12.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



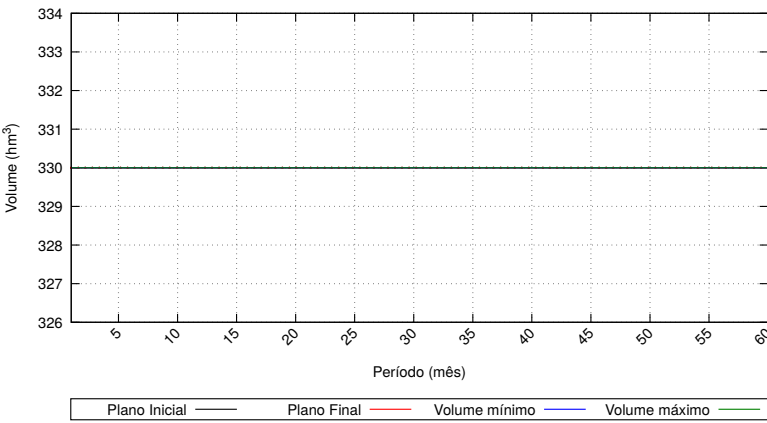
(a) CpMiPi

CpMiPi - Vazão - Diferença



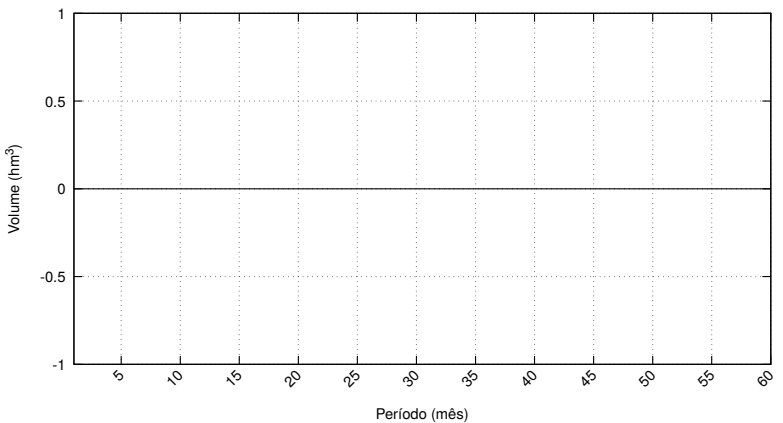
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



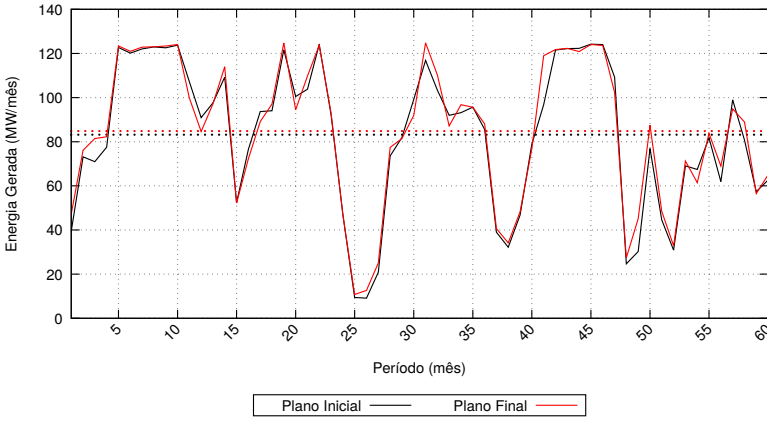
(a) CpMiPi

CpMiPi - Volume - Diferença



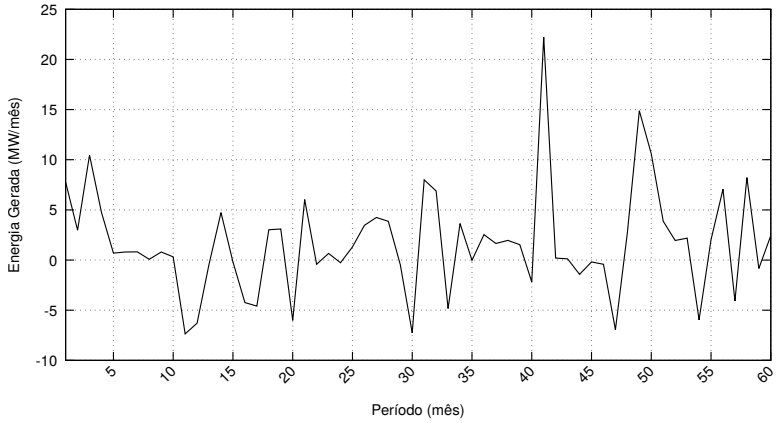
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

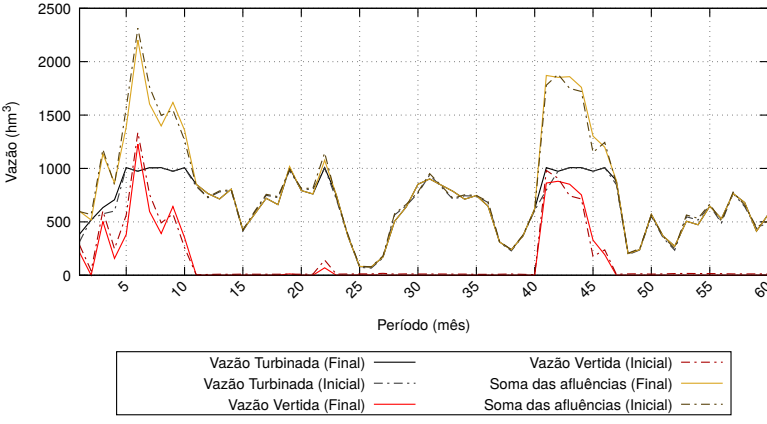
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

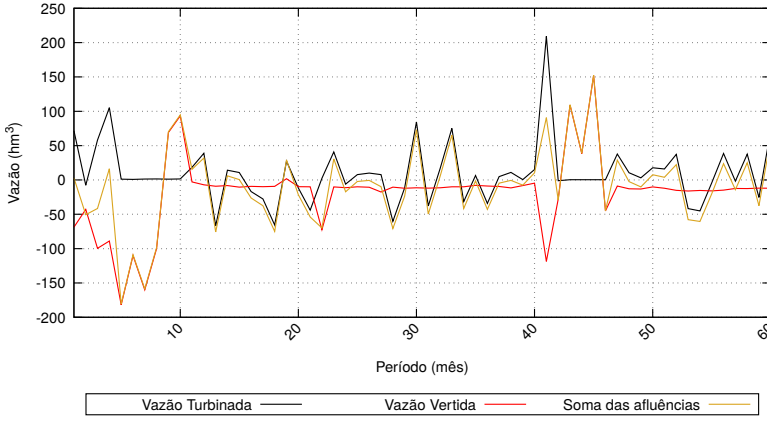
12.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



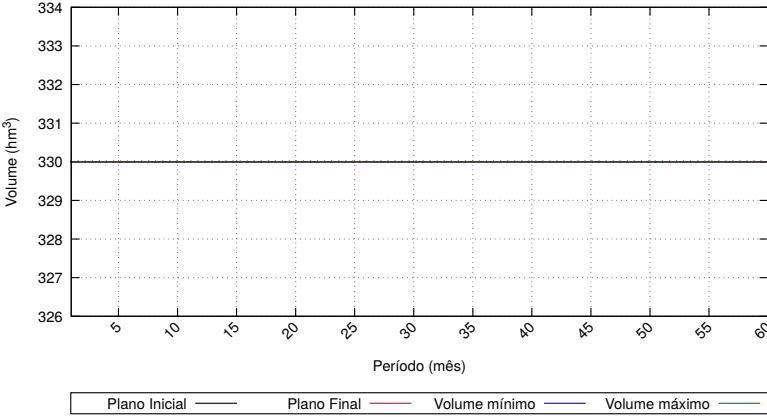
(a) SpPd

SpPd - Vazão - Diferença



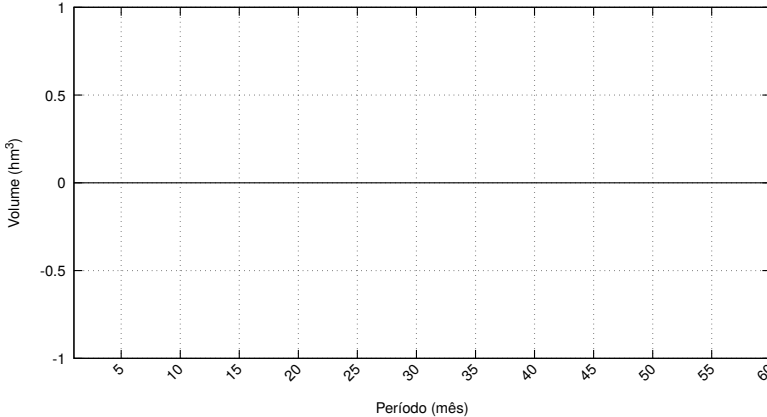
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



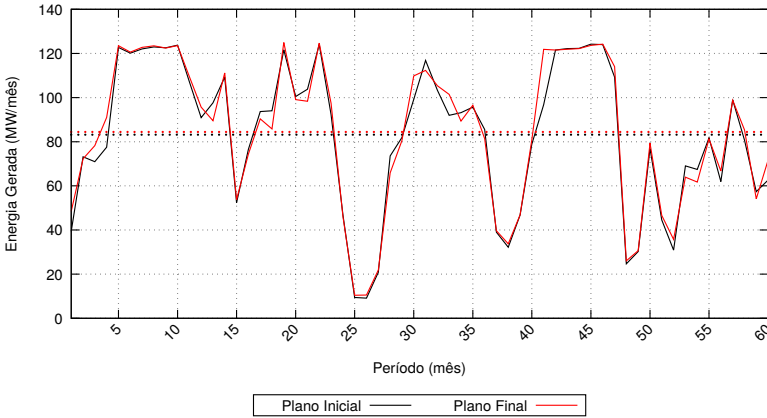
(a) SpPd

SpPd - Volume - Diferença



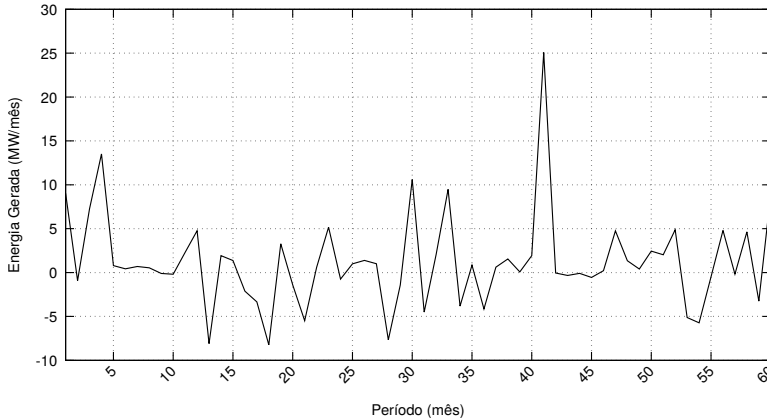
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

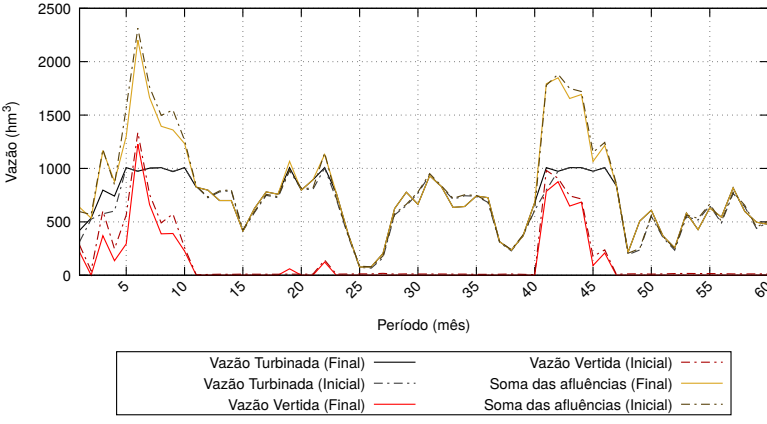
SpPd - Energia Gerada - Diferença



(b) SpPd

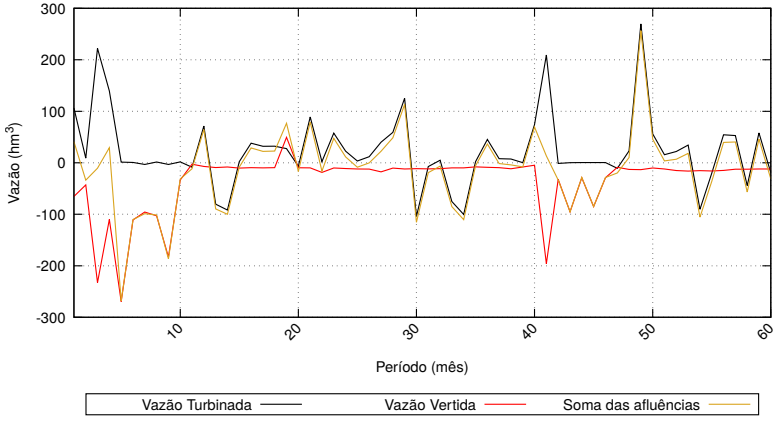
12.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



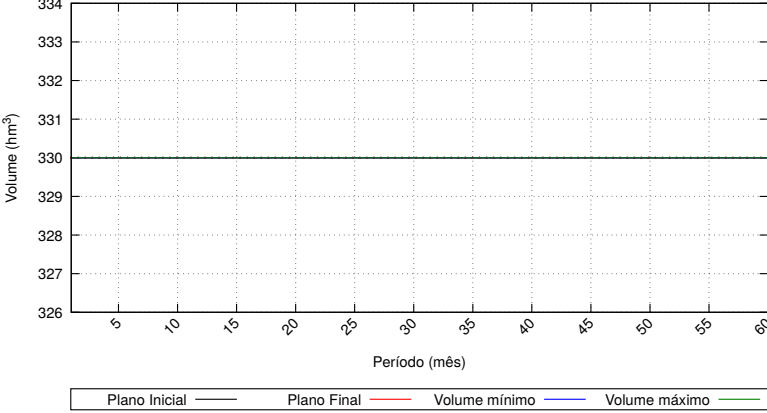
(a) SpPi

SpPi - Vazão - Diferença



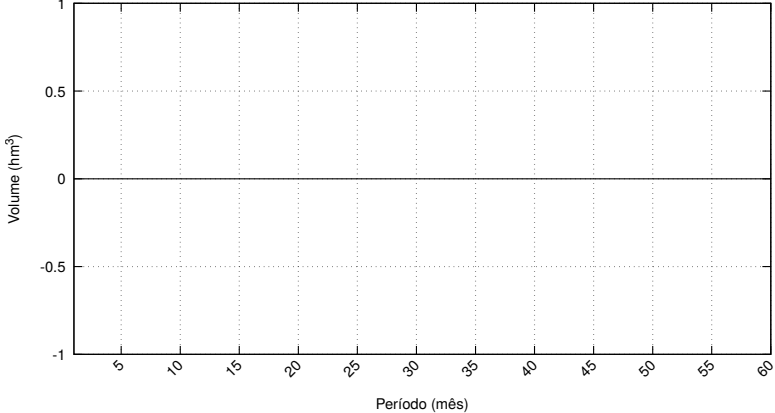
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



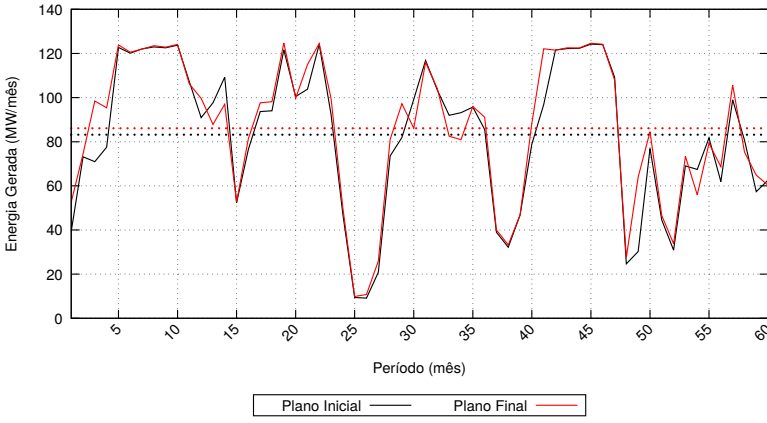
(a) SpPi

SpPi - Volume - Diferença



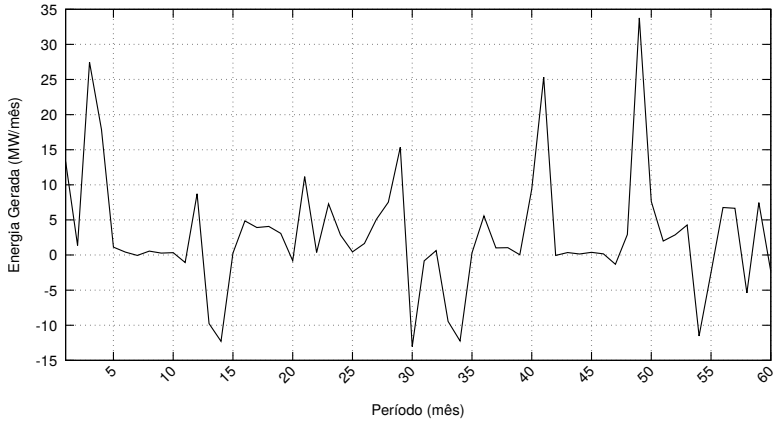
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

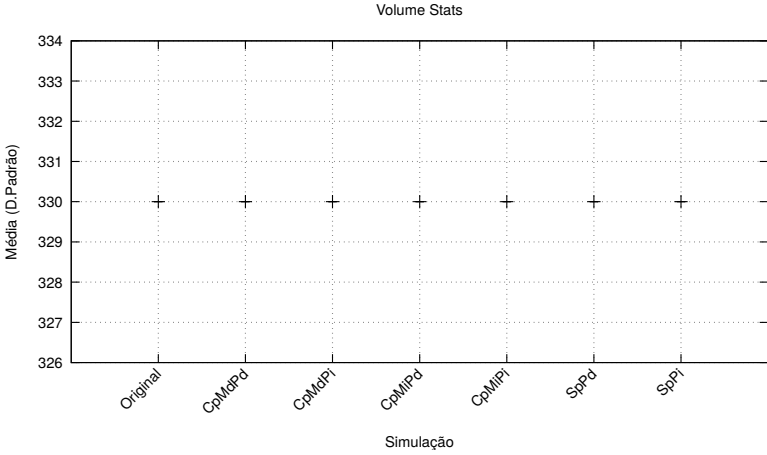


(b) SpPi

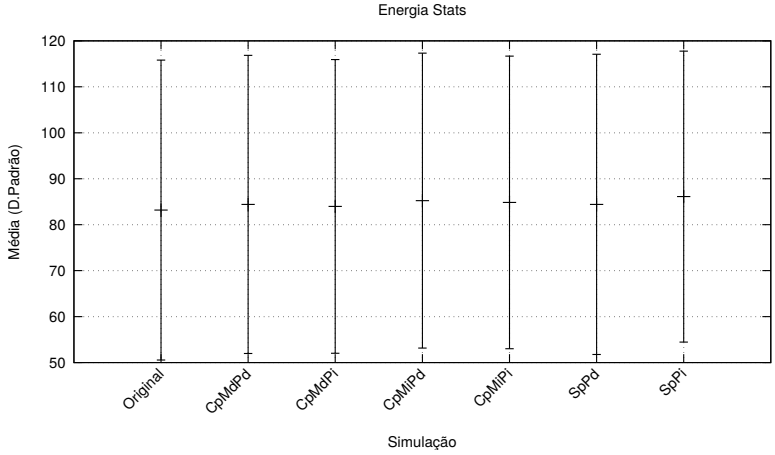
12.7 GPlan Stats

Tabela 17: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	330.00000	0.00000	83.18417	32.61931
CpMdPd	330.00000	0.00000	84.41839	32.43207
CpMdPi	330.00000	0.00000	83.97451	31.94800
CpMiPd	330.00000	0.00000	85.23112	32.08780
CpMiPi	330.00000	0.00000	84.85253	31.83345
SpPd	330.00000	0.00000	84.41666	32.66759
SpPi	330.00000	0.00000	86.10853	31.65845

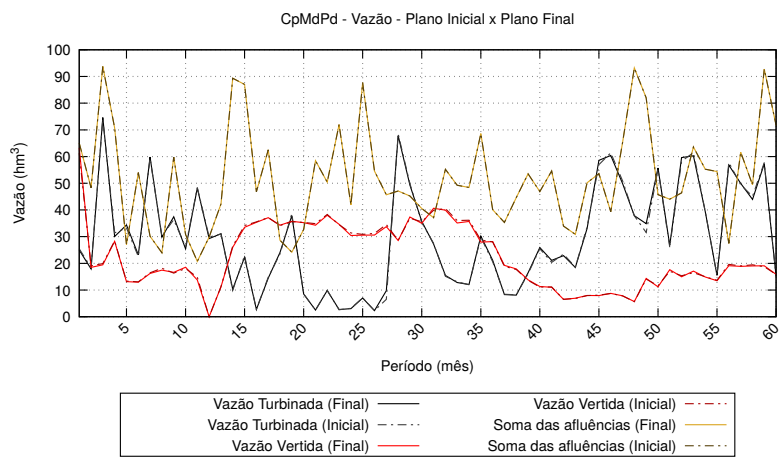


(a) Volume

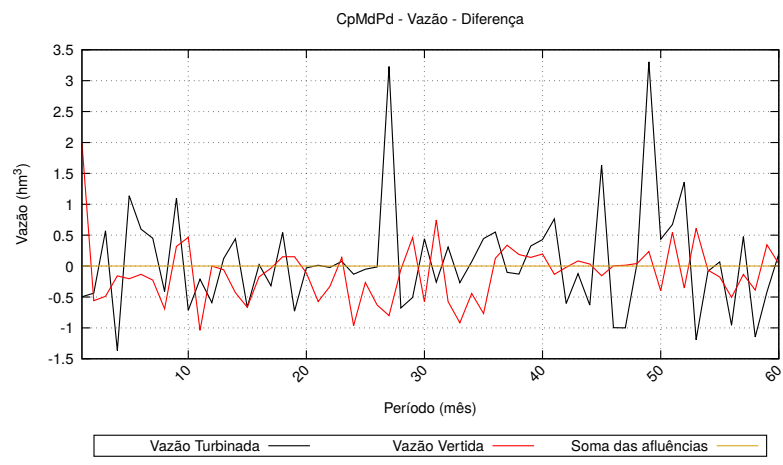


(b) Energia

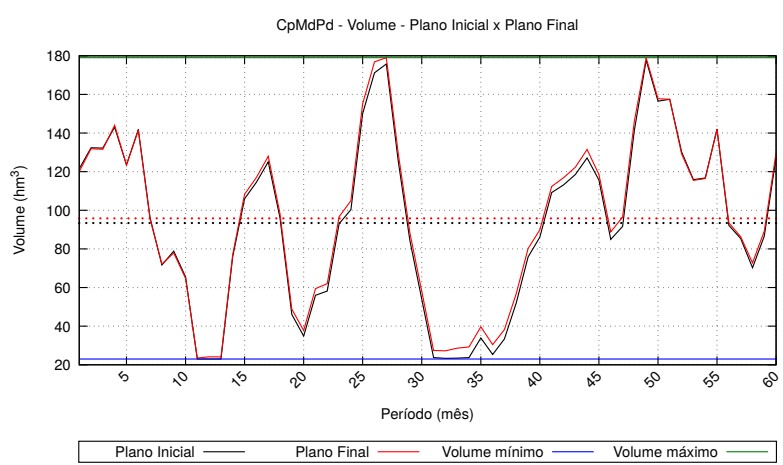
13.1 Resultados - CpMdPd



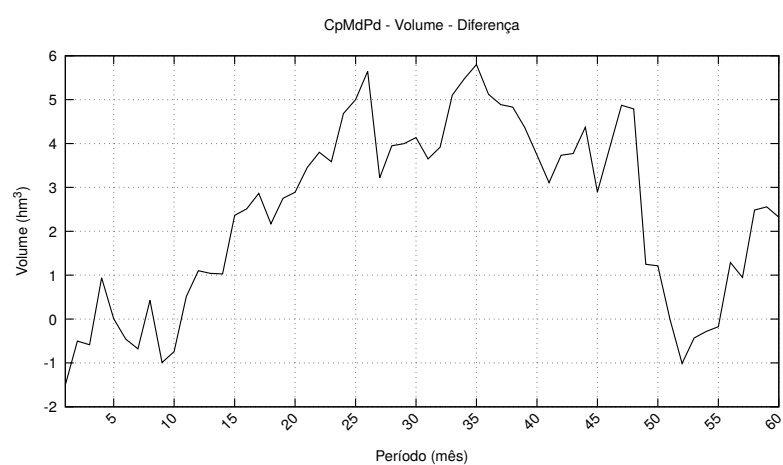
(a) CpMdPd



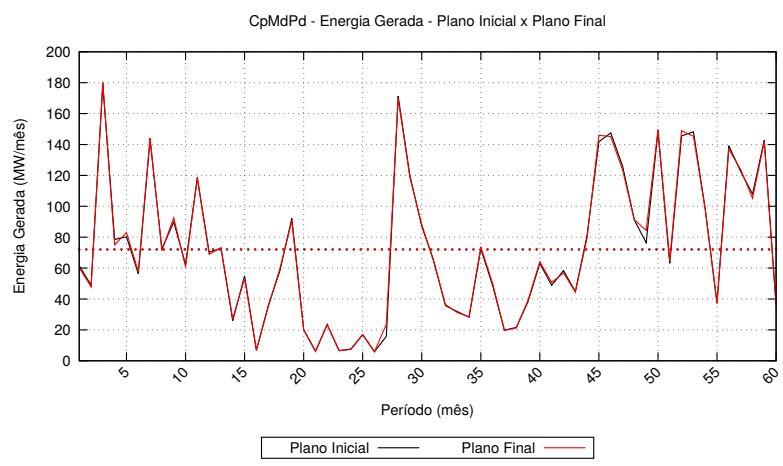
(b) CpMdPd



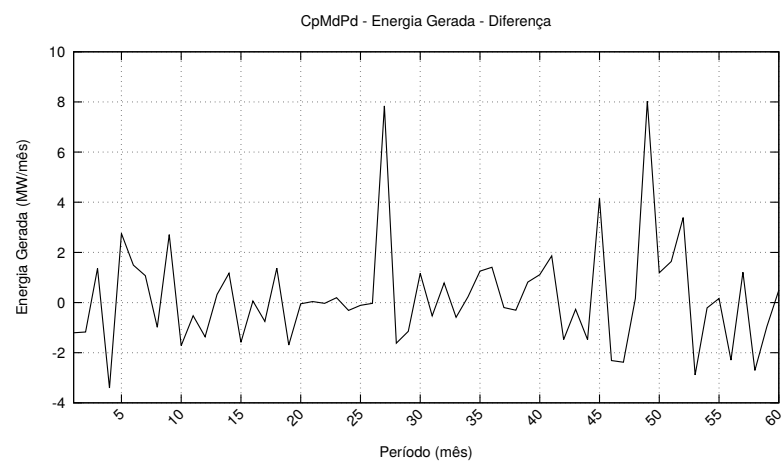
(a) CpMdPd



(b) CpMdPd



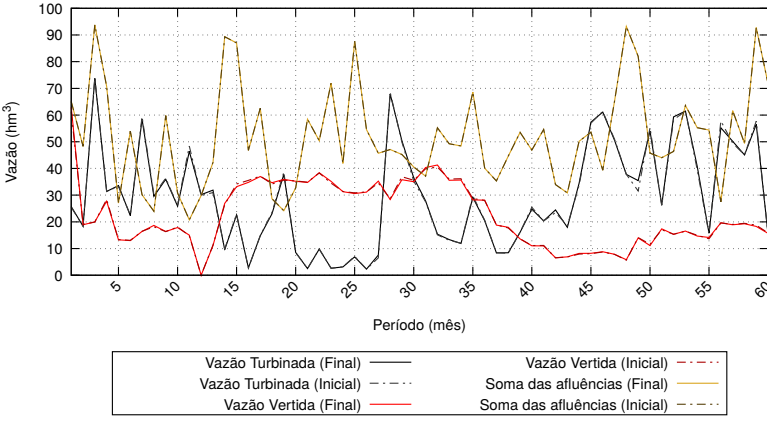
(a) CpMdPd



(b) CpMdPd

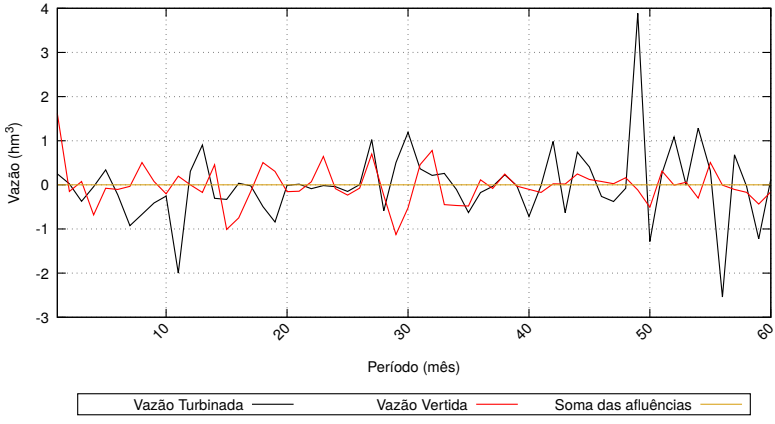
13.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



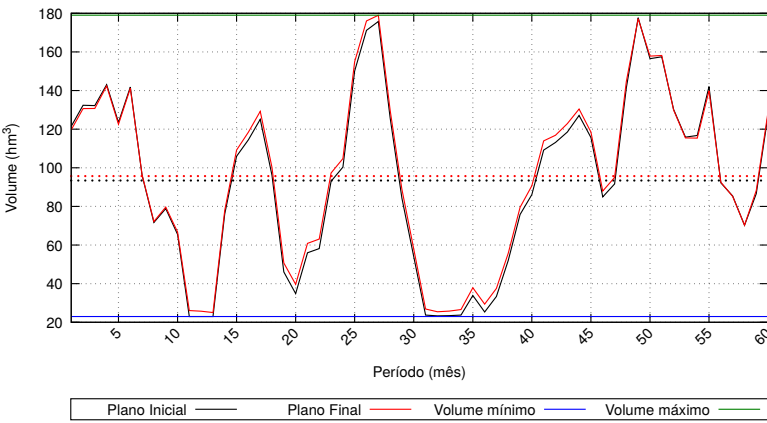
(a) CpMdPi

CpMdPi - Vazão - Diferença



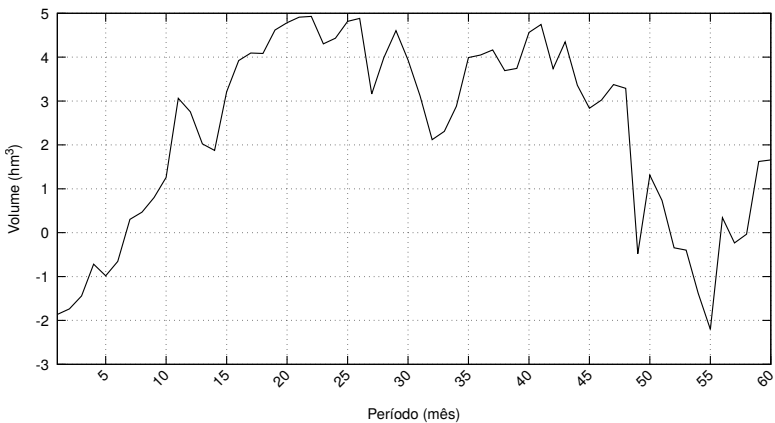
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



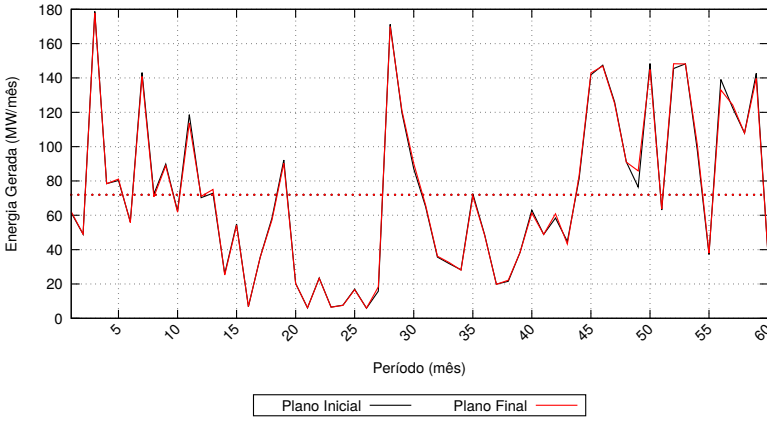
(a) CpMdPi

CpMdPi - Volume - Diferença



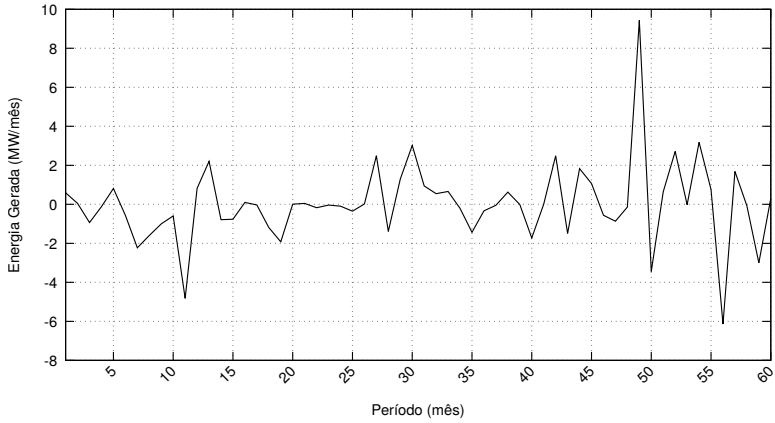
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



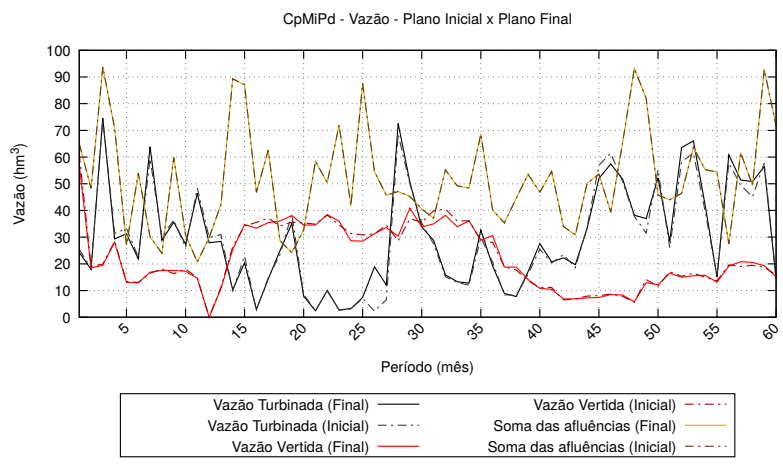
(a) CpMdPi

CpMdPi - Energia Gerada - Diferença

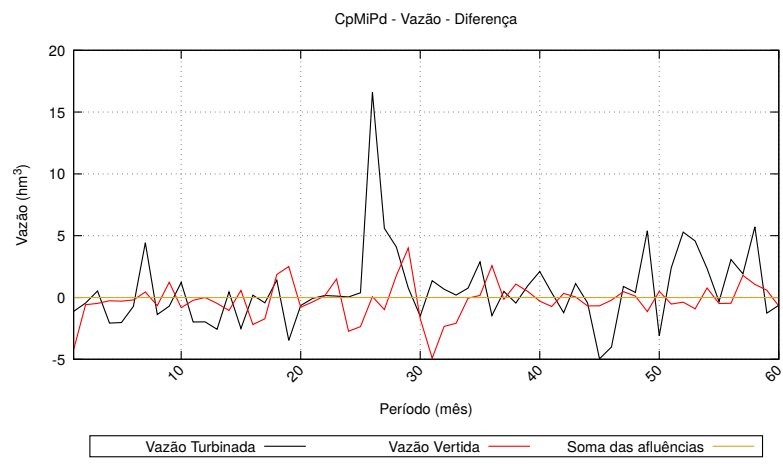


(b) CpMdPi

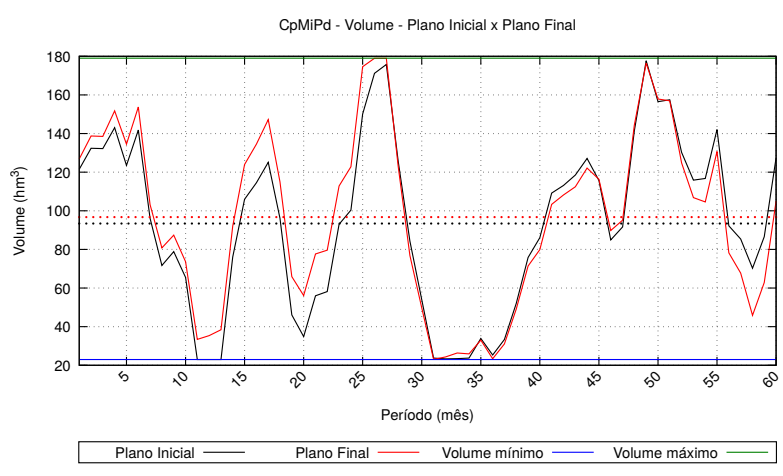
13.3 Resultados - CpMiPd



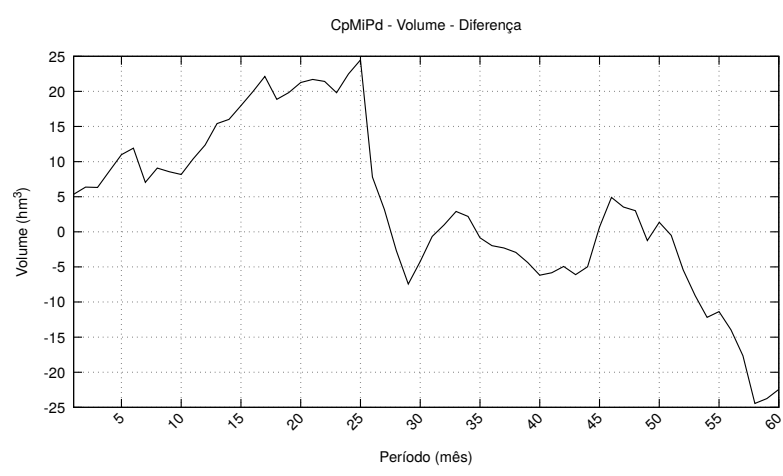
(a) CpMiPd



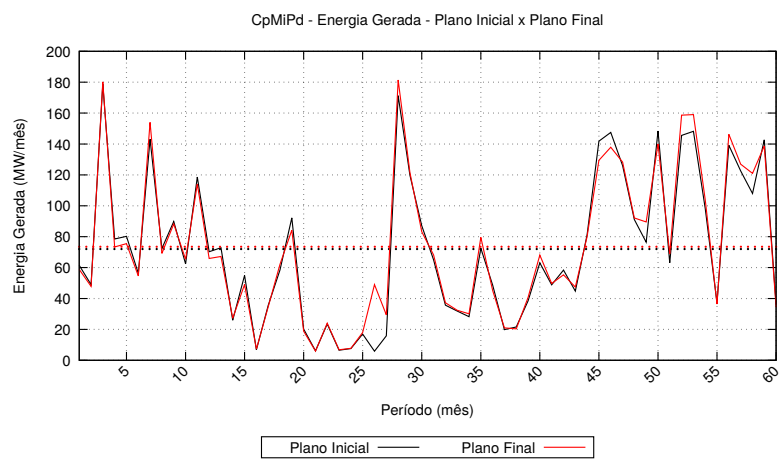
(b) CpMiPd



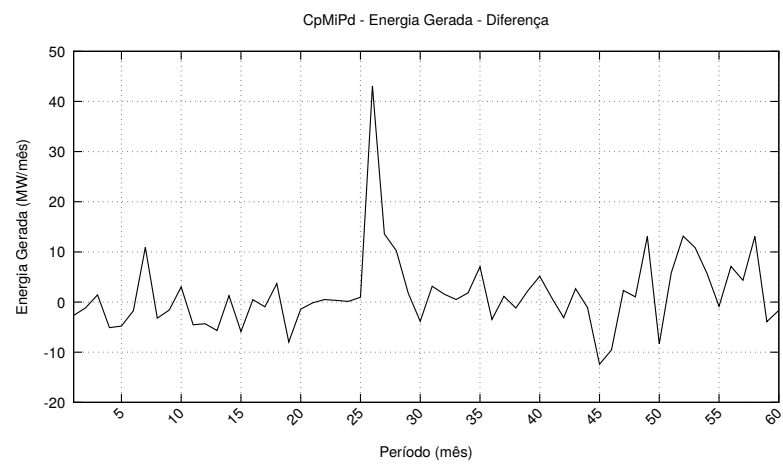
(a) CpMiPd



(b) CpMiPd



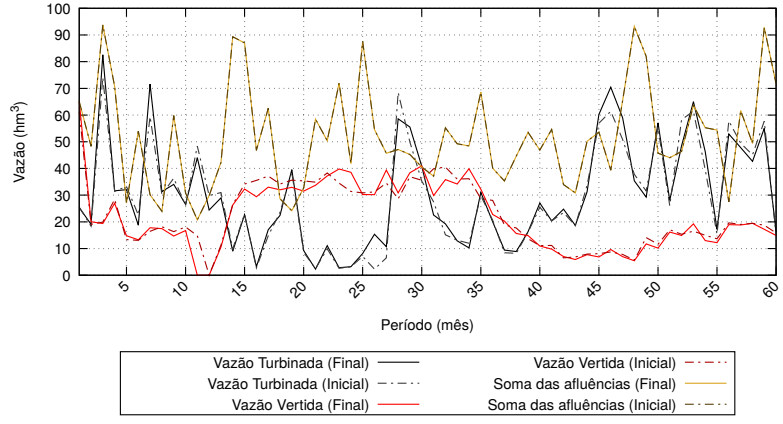
(a) CpMiPd



(b) CpMiPd

13.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



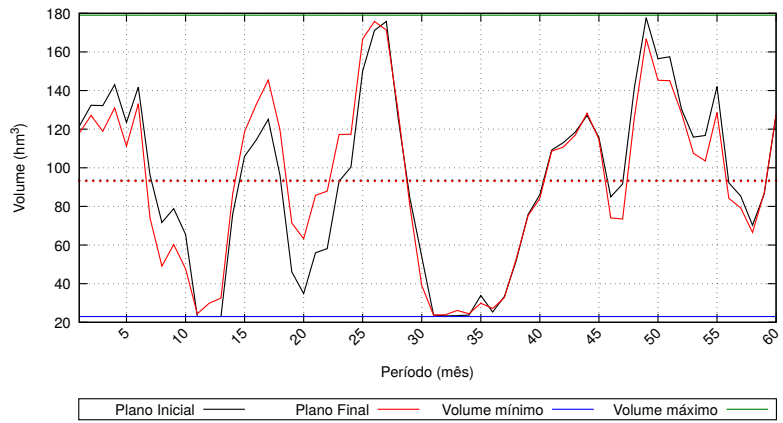
(a) CpMiPi

CpMiPi - Vazão - Diferença



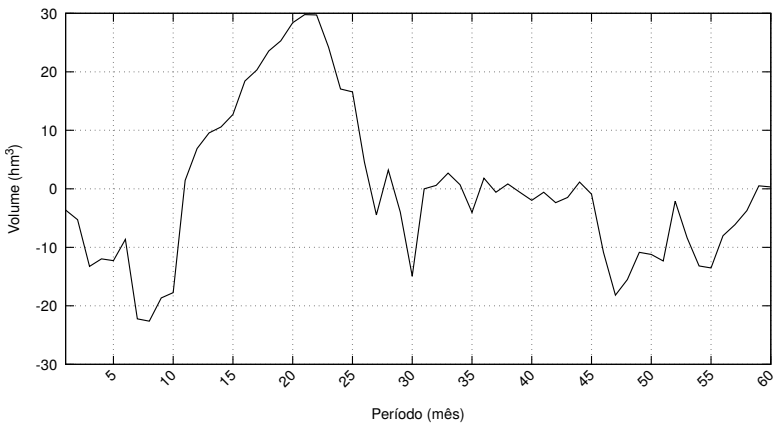
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



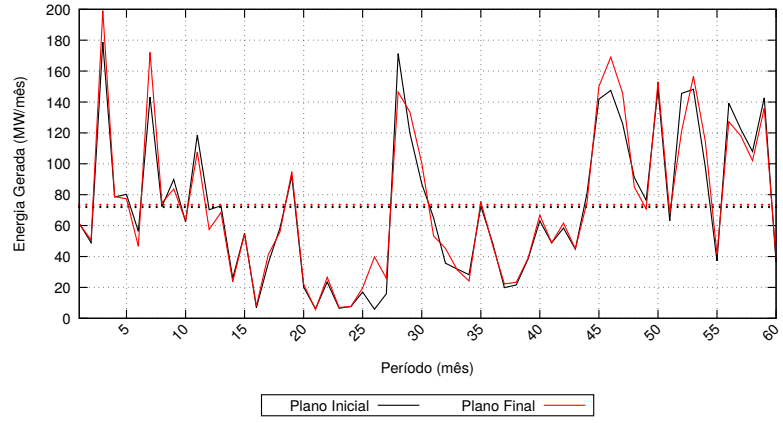
(a) CpMiPi

CpMiPi - Volume - Diferença



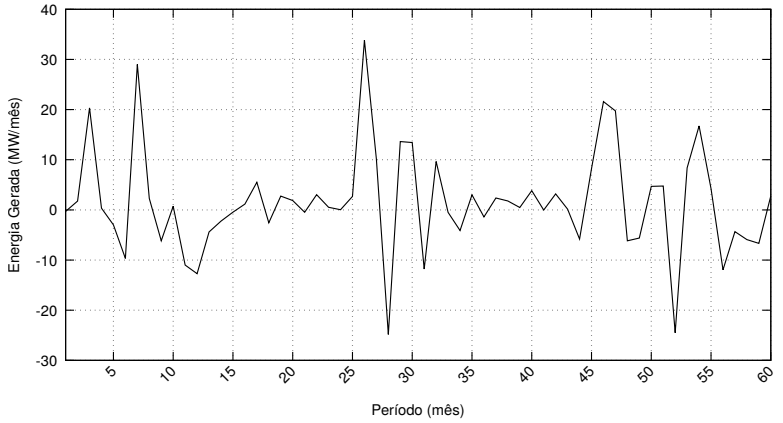
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

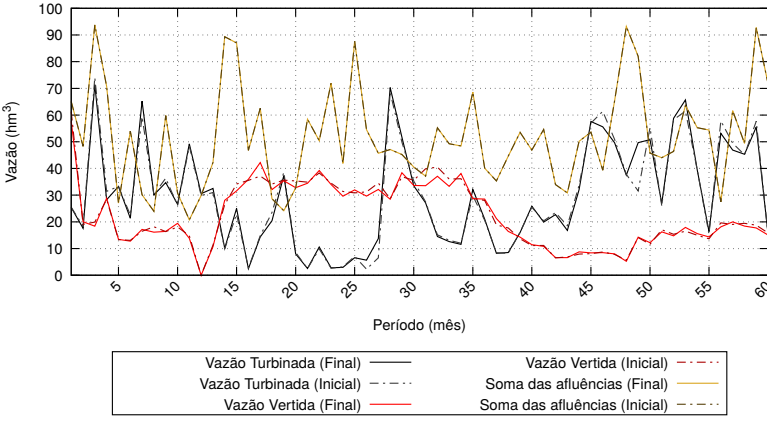
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

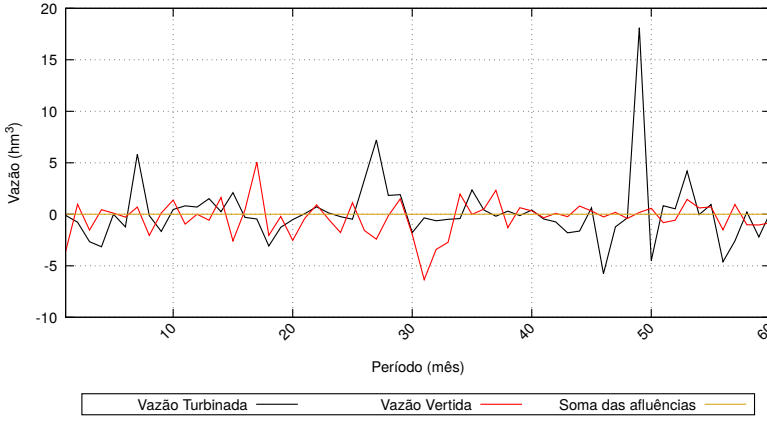
13.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



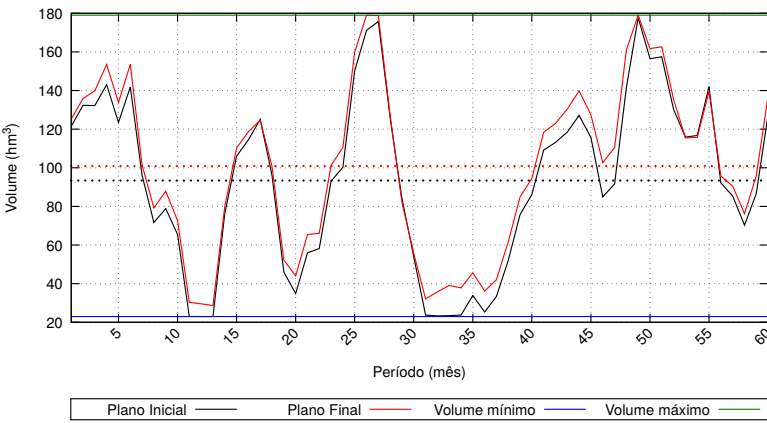
(a) SpPd

SpPd - Vazão - Diferença



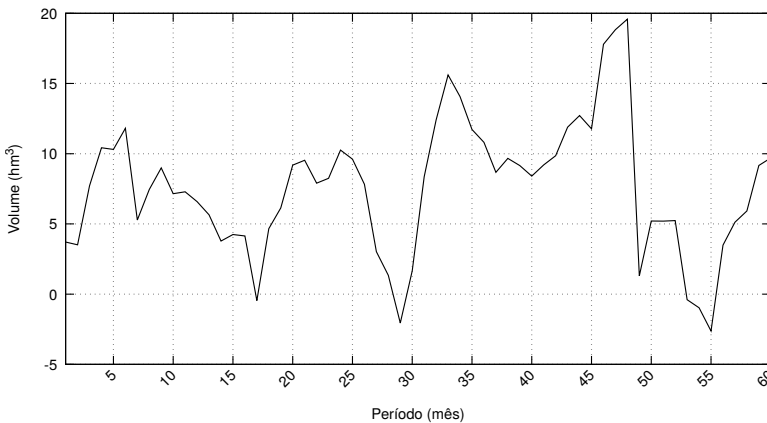
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



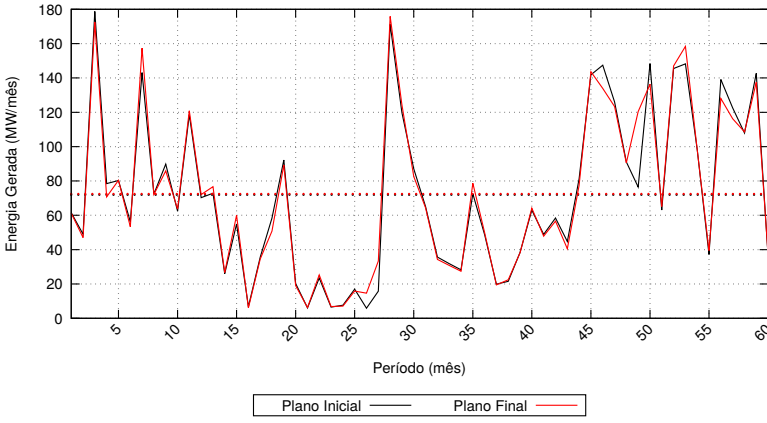
(a) SpPd

SpPd - Volume - Diferença



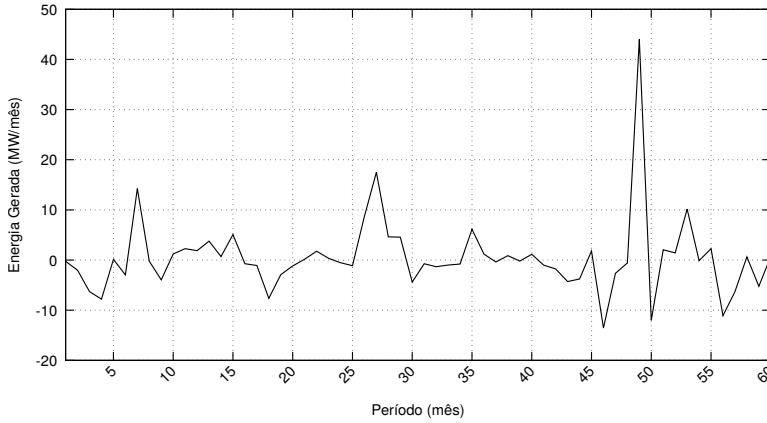
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

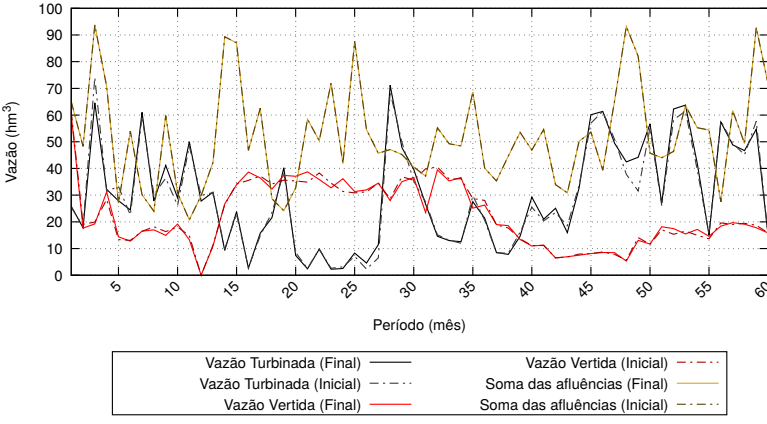
SpPd - Energia Gerada - Diferença



(b) SpPd

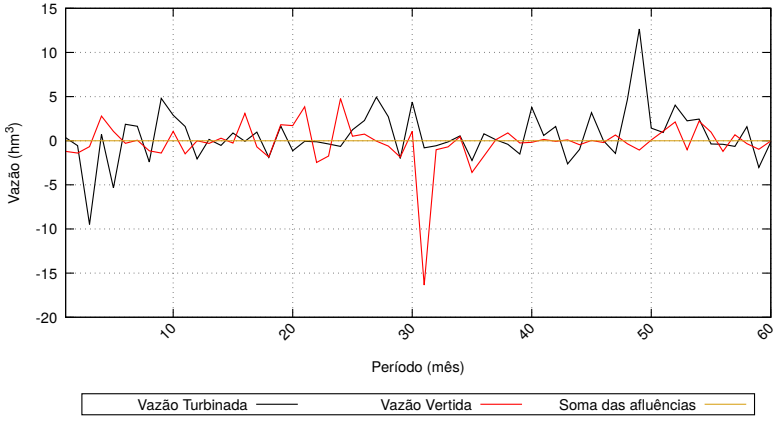
13.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



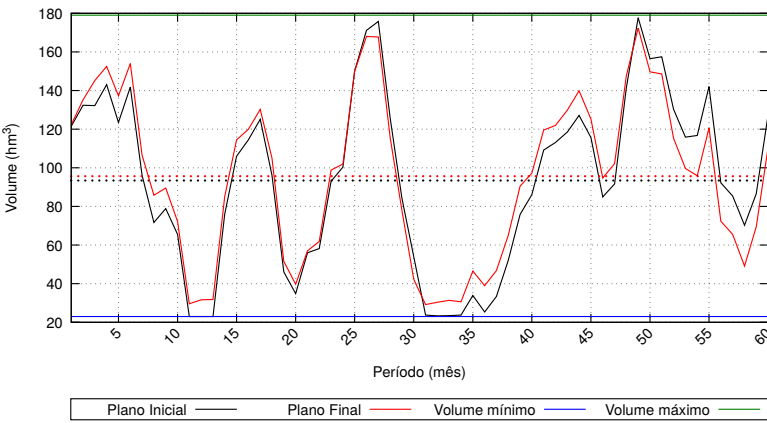
(a) SpPi

SpPi - Vazão - Diferença



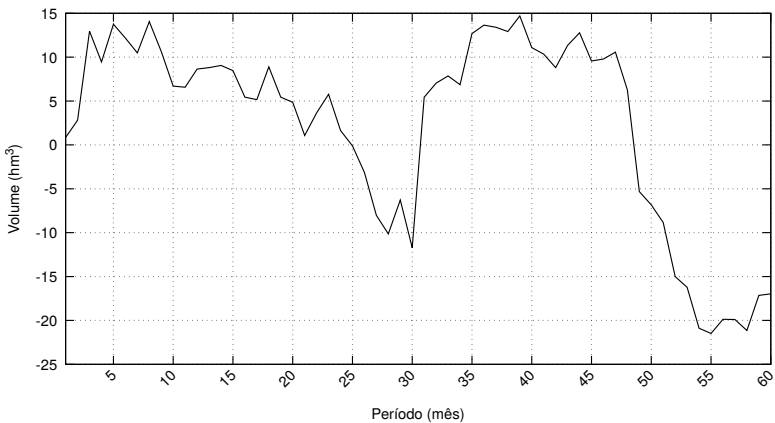
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



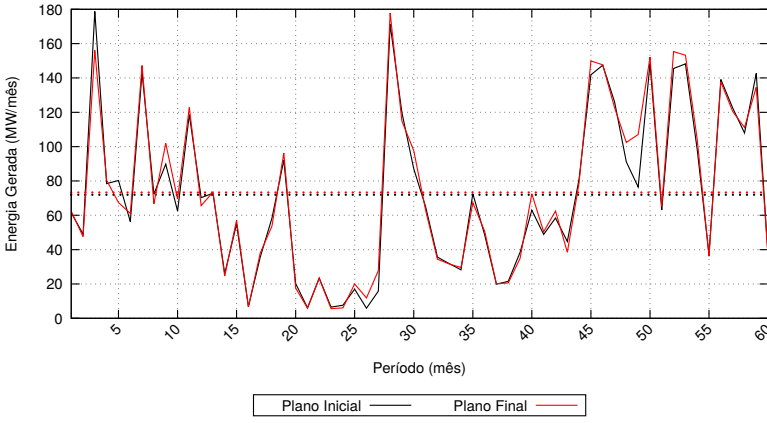
(a) SpPi

SpPi - Volume - Diferença



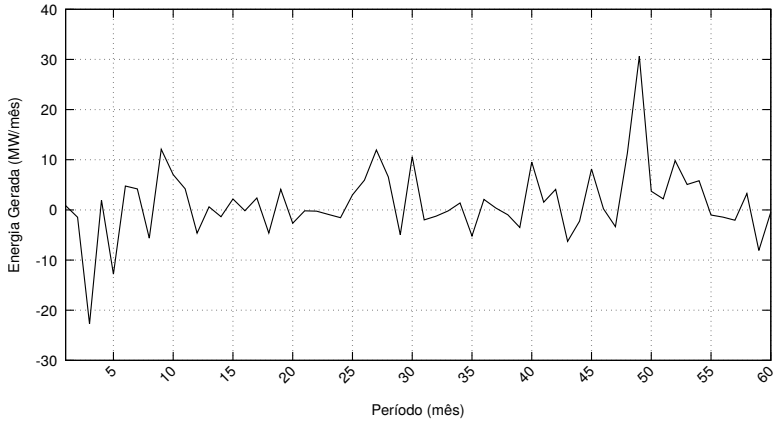
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

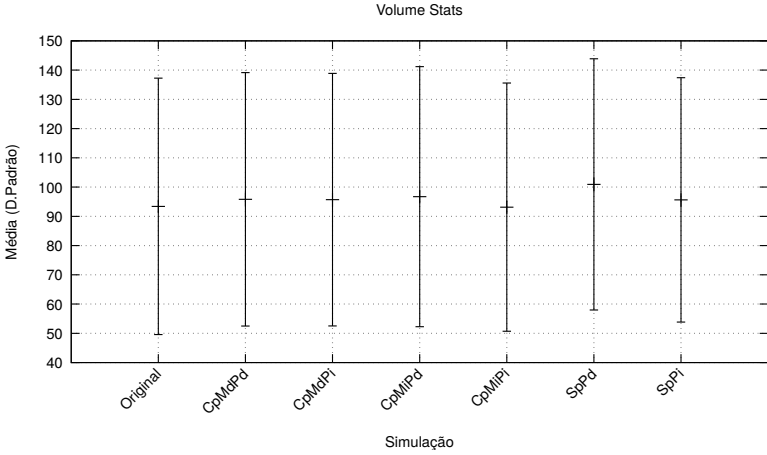


(b) SpPi

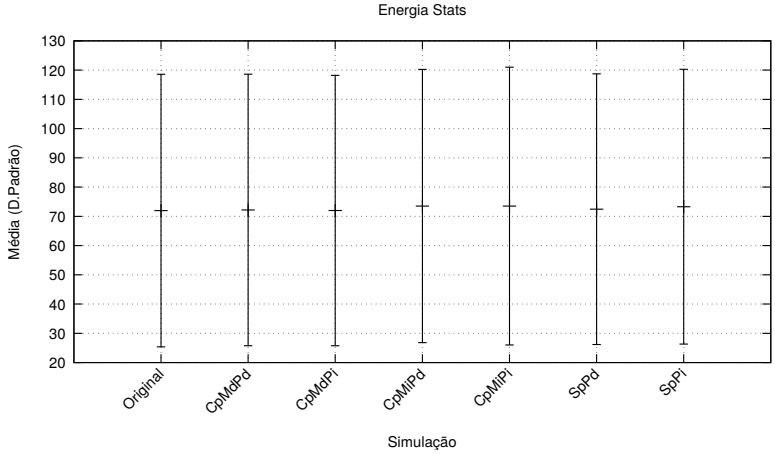
13.7 GPlan Stats

Tabela 18: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	93.39508	43.83670	71.97079	46.61329
CpMdPd	95.81376	43.31066	72.18873	46.43195
CpMdPi	95.69165	43.18407	71.97480	46.23765
CpMiPd	96.72193	44.44726	73.52260	46.72286
CpMiPi	93.14026	42.43777	73.50435	47.47147
SpPd	100.92486	42.95630	72.45875	46.27794
SpPi	95.62043	41.77170	73.29584	46.99060



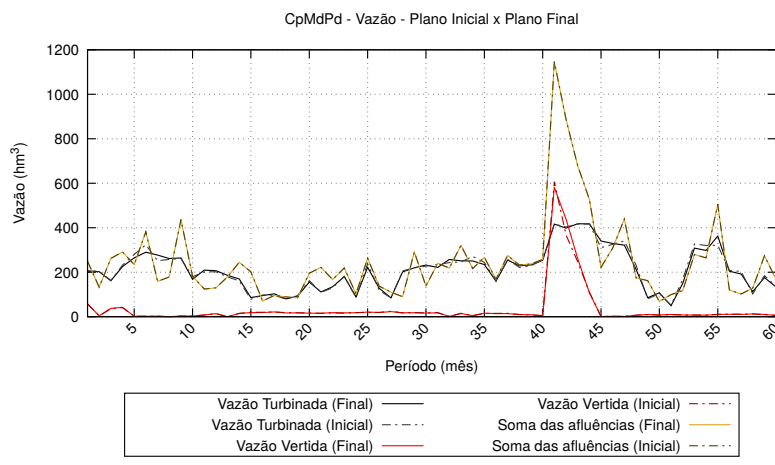
(a) Volume



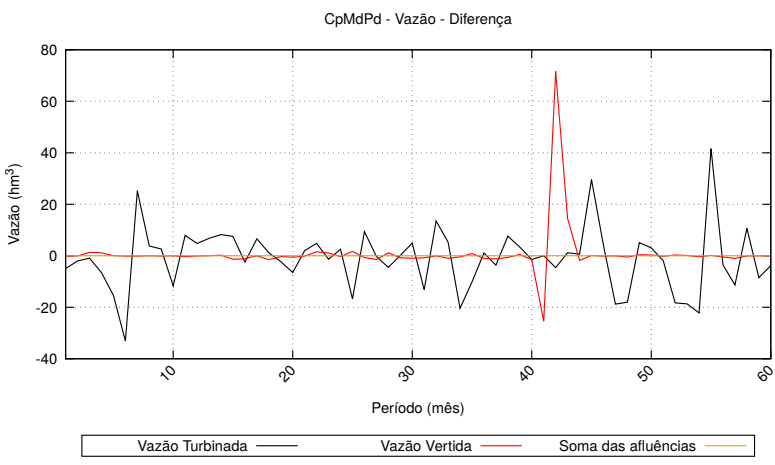
(b) Energia

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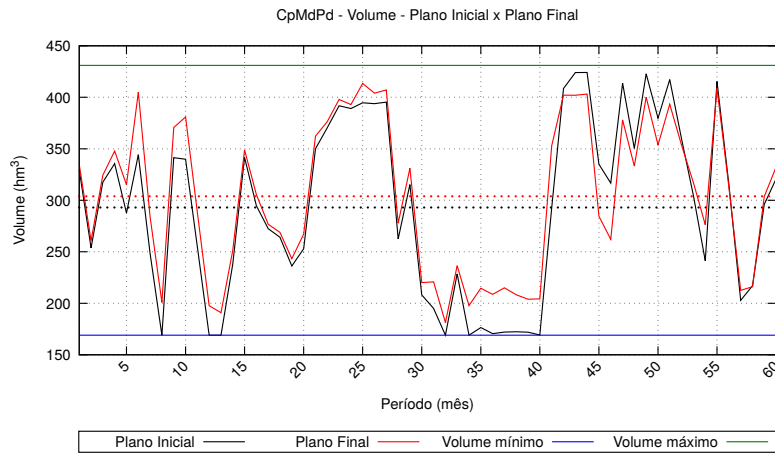
14.1 Resultados - CpMdPd



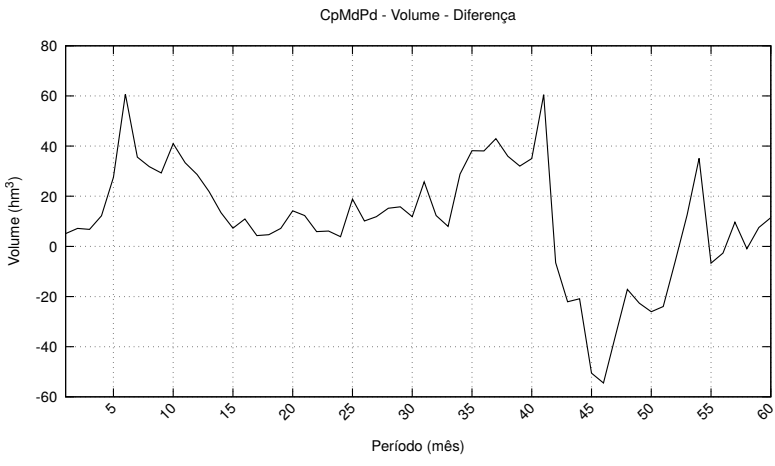
(a) CpMdPd



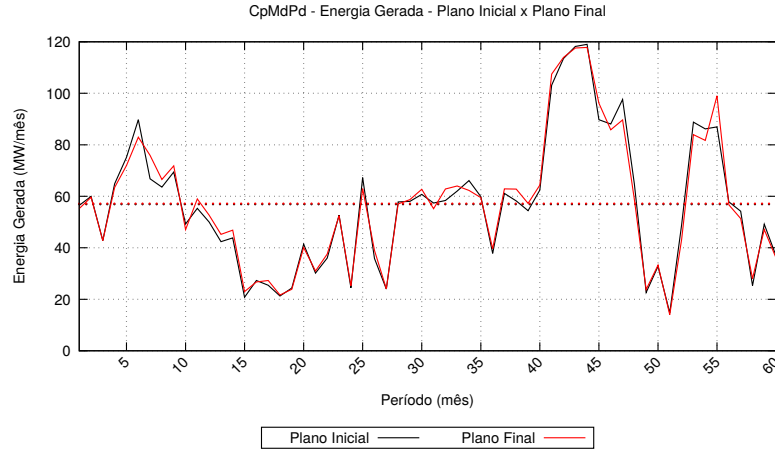
(b) CpMdPd



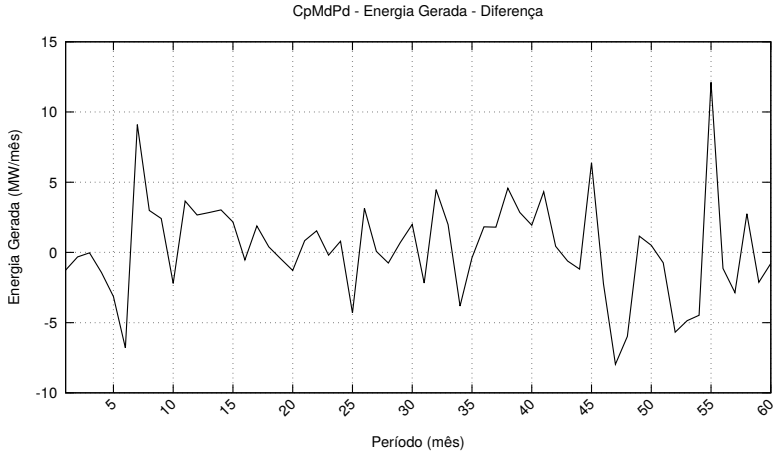
(a) CpMdPd



(b) CpMdPd



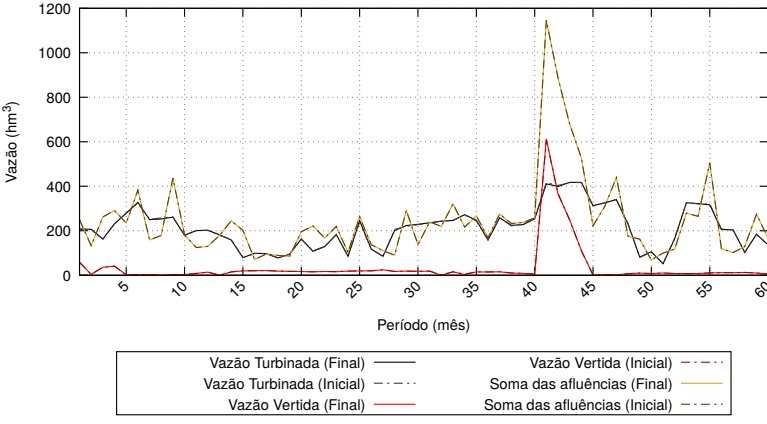
(a) CpMdPd



(b) CpMdPd

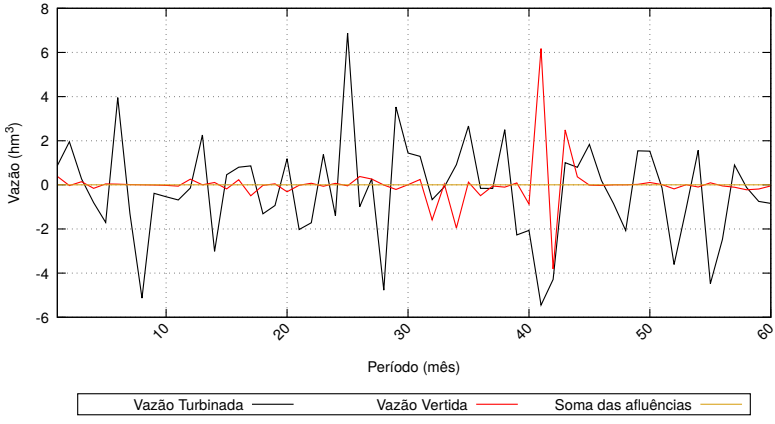
14.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



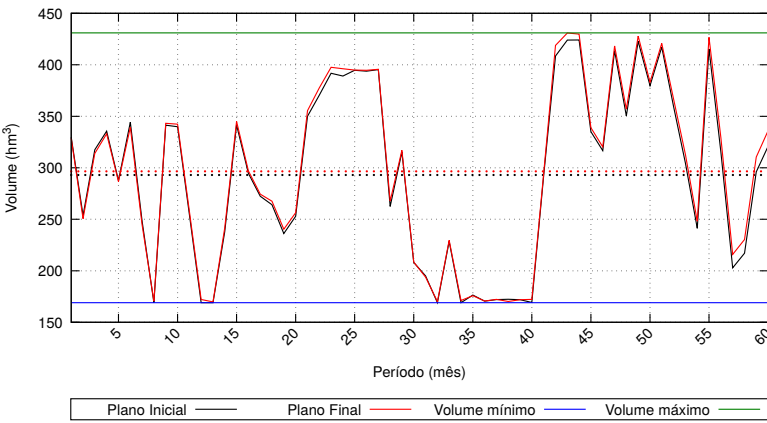
(a) CpMdPi

CpMdPi - Vazão - Diferença



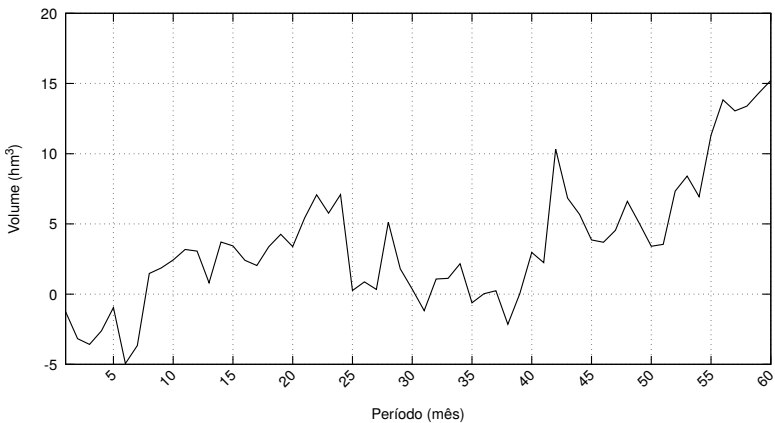
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



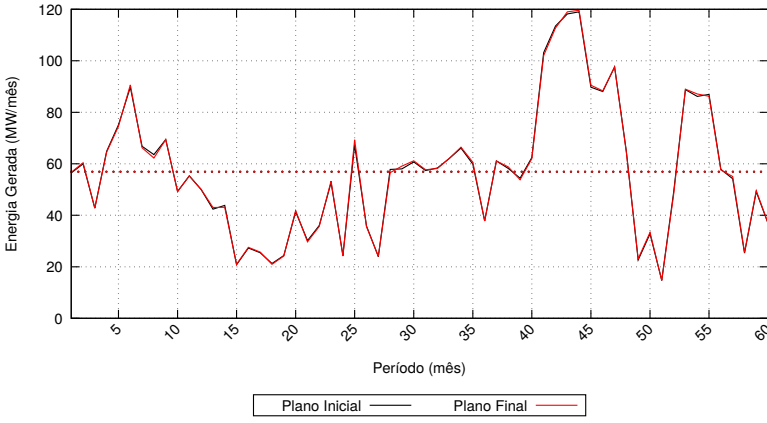
(a) CpMdPi

CpMdPi - Volume - Diferença



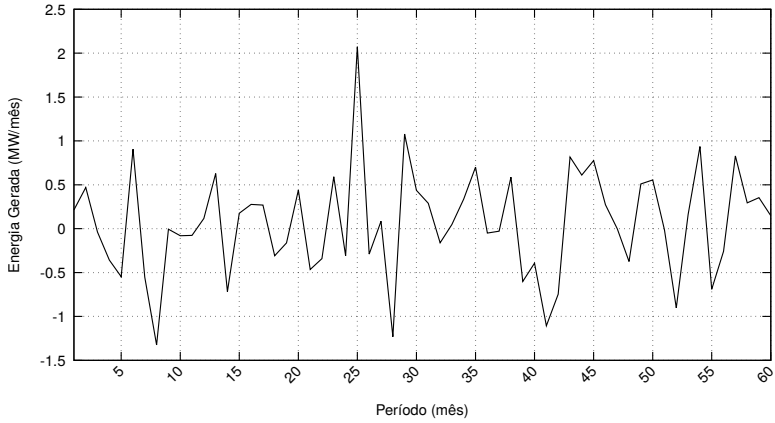
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

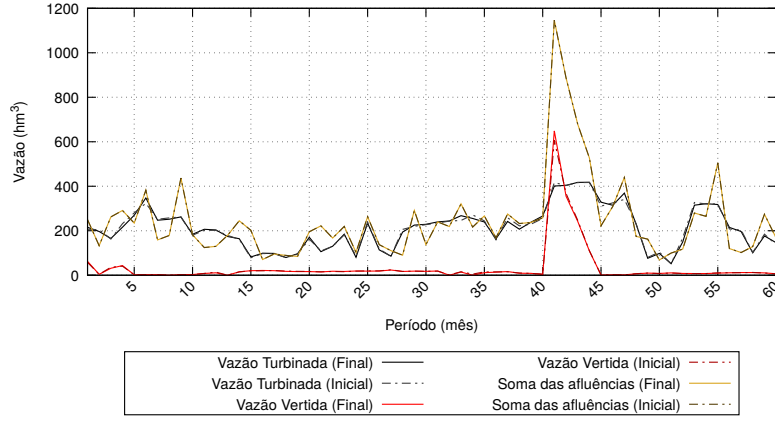
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

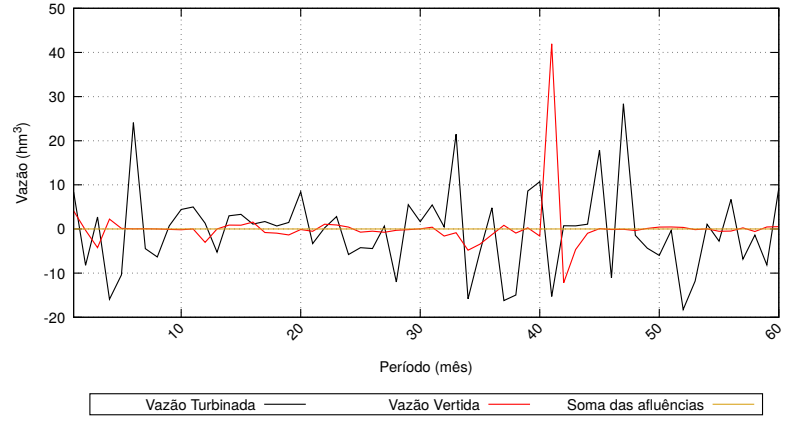
14.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



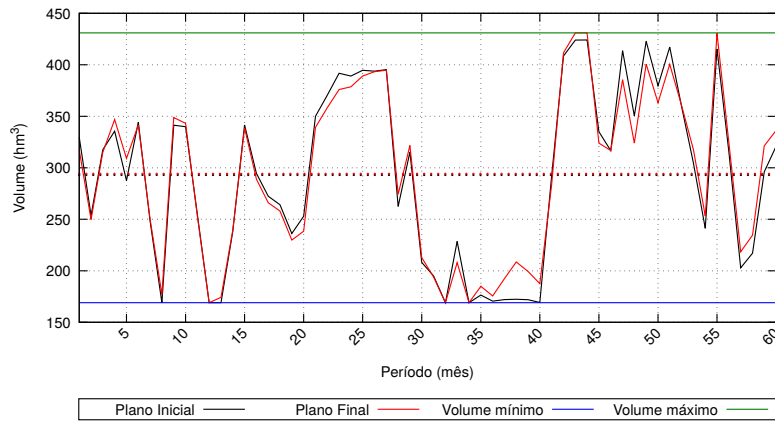
(a) CpMiPd

CpMiPd - Vazão - Diferença



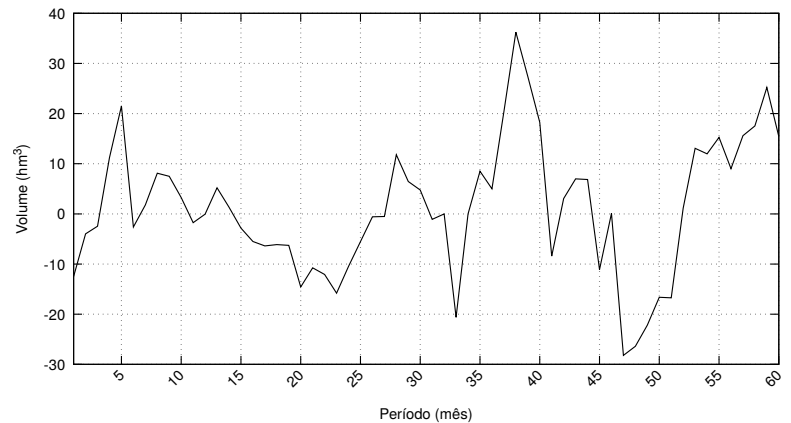
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



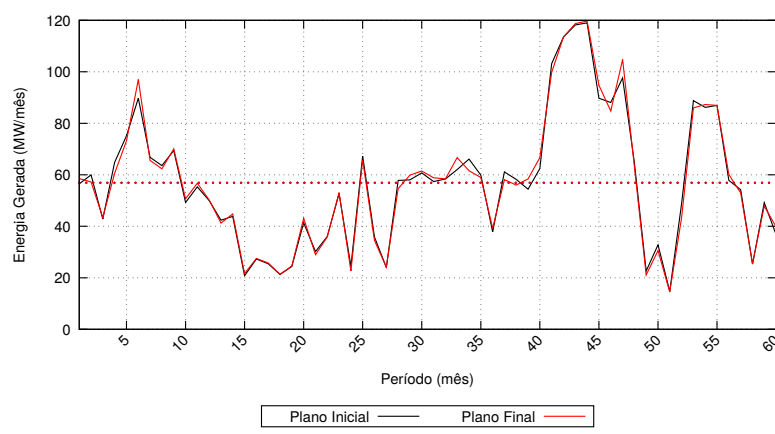
(a) CpMiPd

CpMiPd - Volume - Diferença



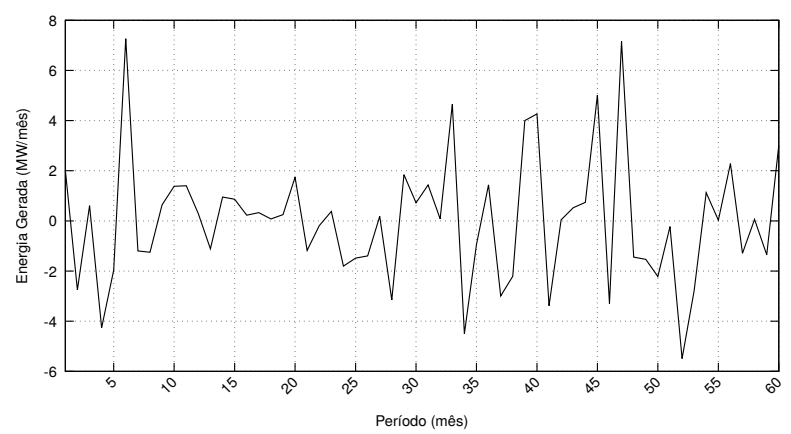
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

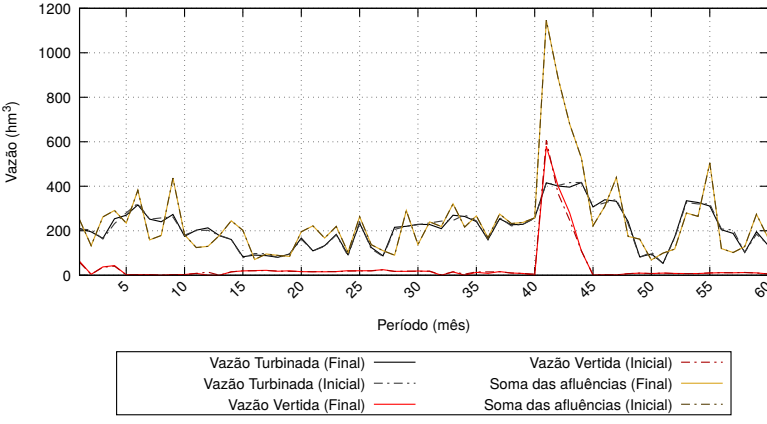
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

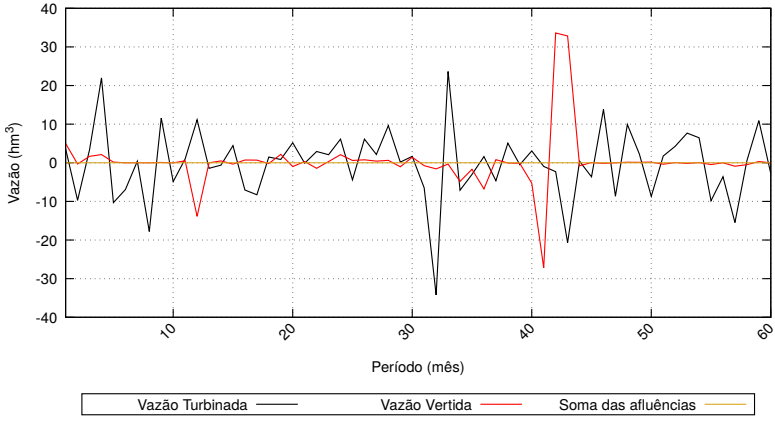
14.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



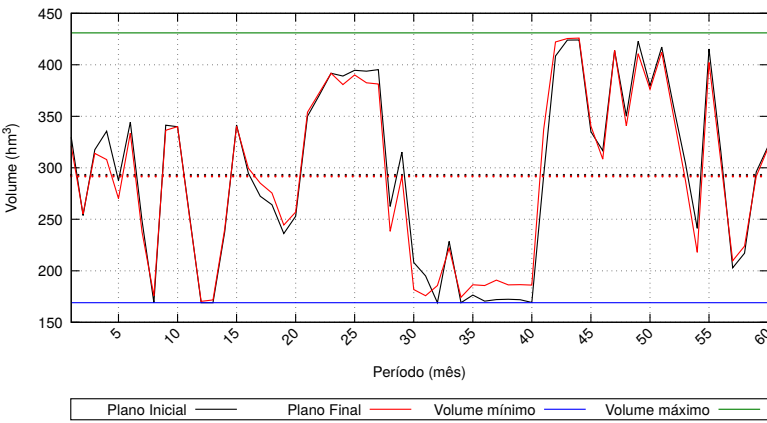
(a) CpMiPi

CpMiPi - Vazão - Diferença



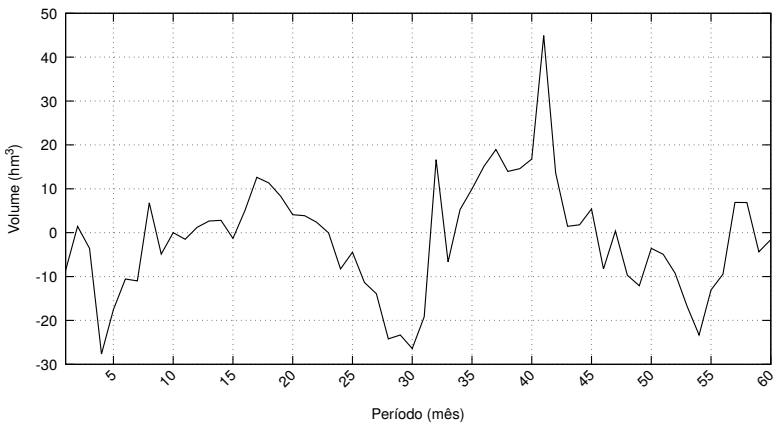
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



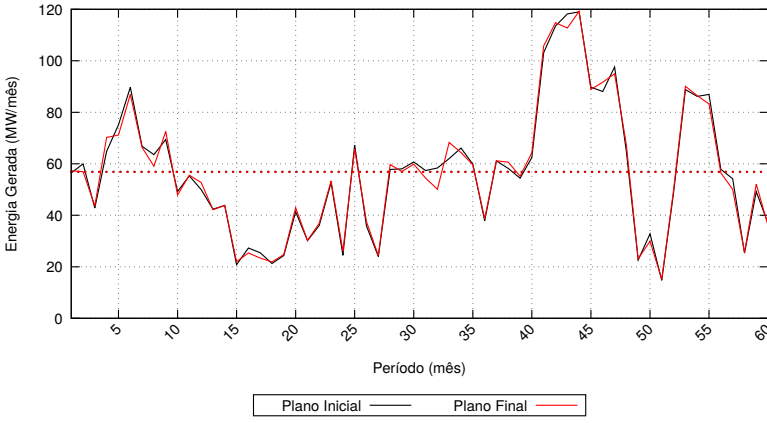
(a) CpMiPi

CpMiPi - Volume - Diferença



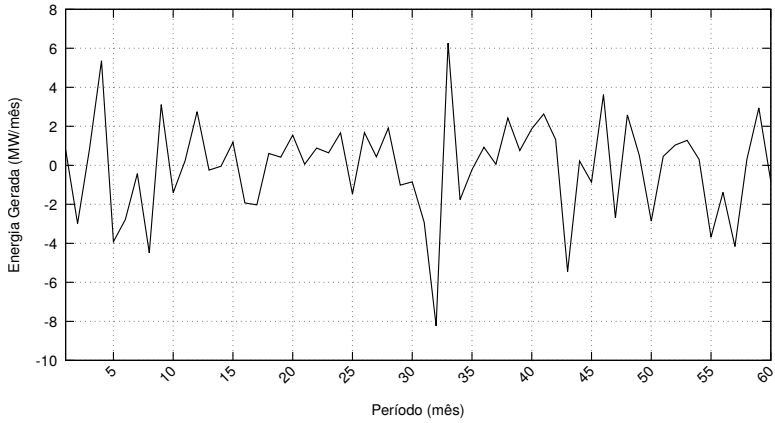
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

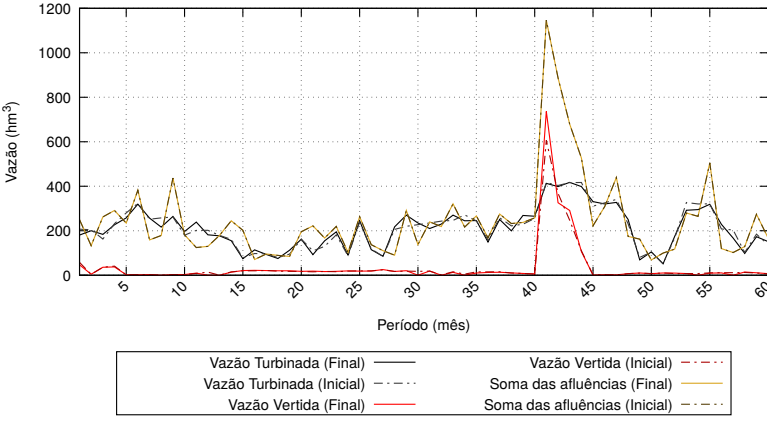
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

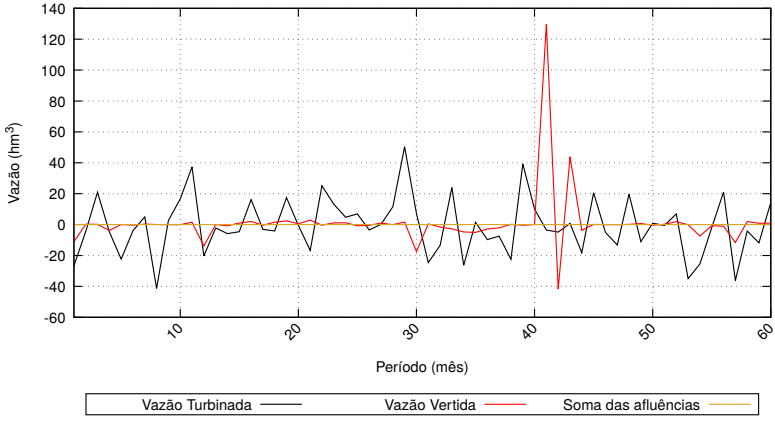
14.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



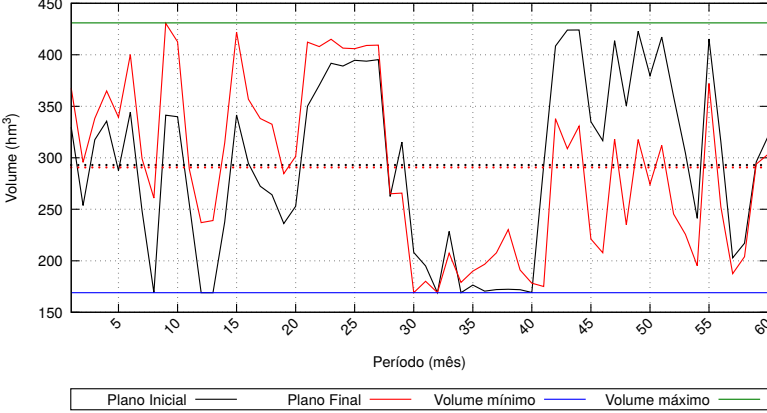
(a) SpPd

SpPd - Vazão - Diferença



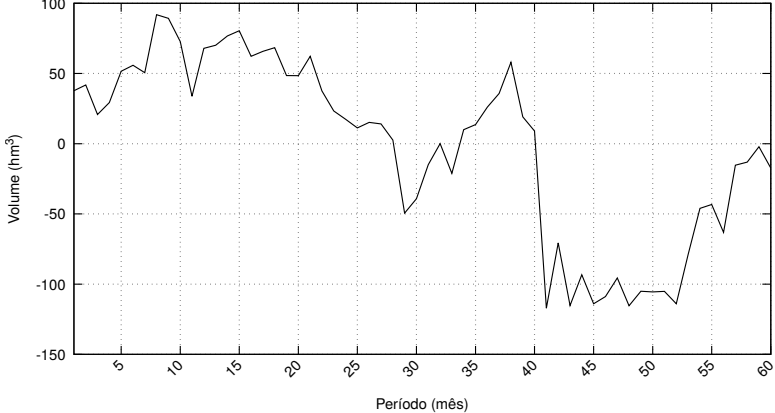
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



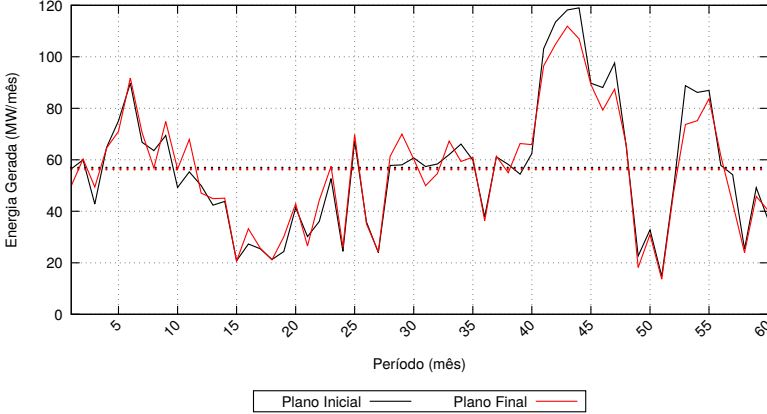
(a) SpPd

SpPd - Volume - Diferença



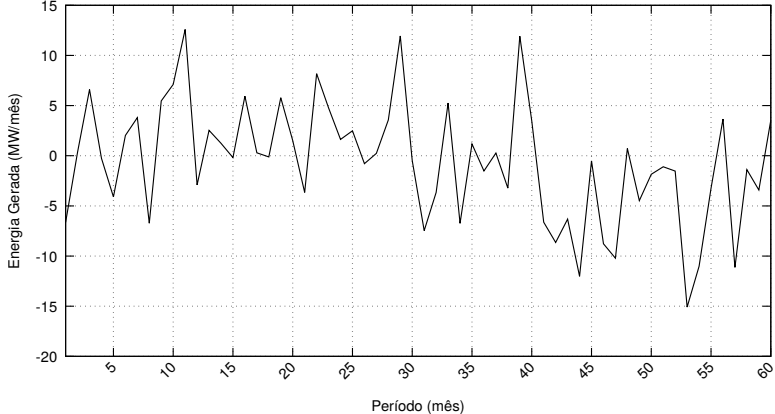
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



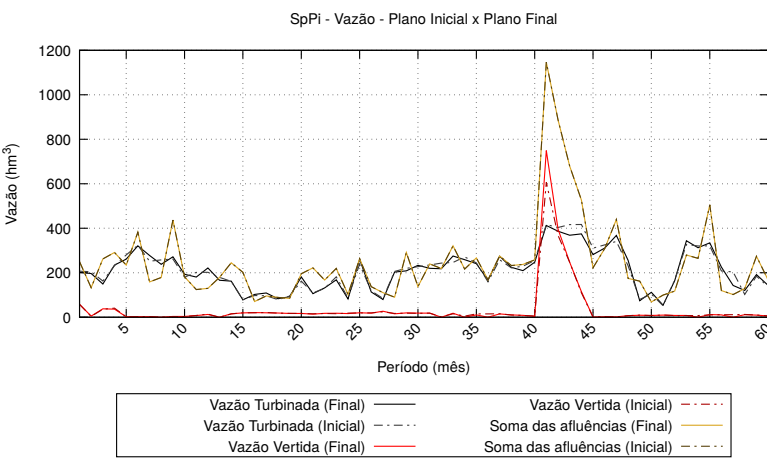
(a) SpPd

SpPd - Energia Gerada - Diferença

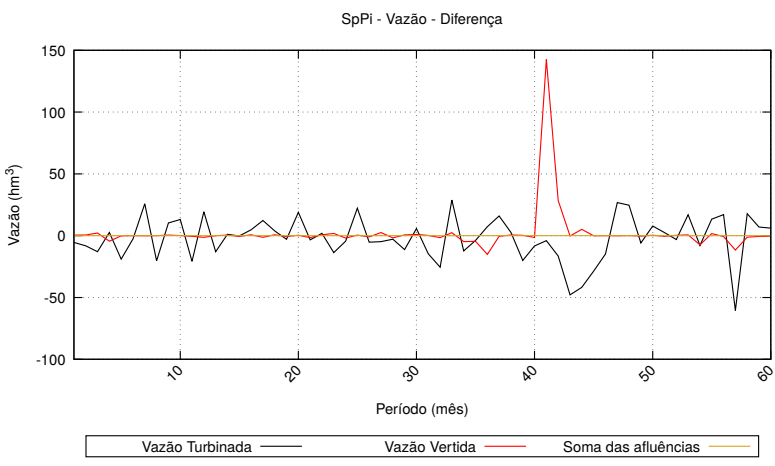


(b) SpPd

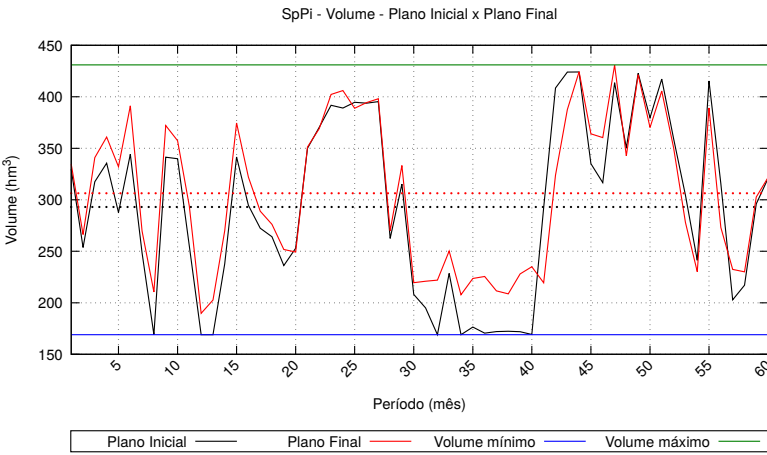
14.6 Resultados - SpPi



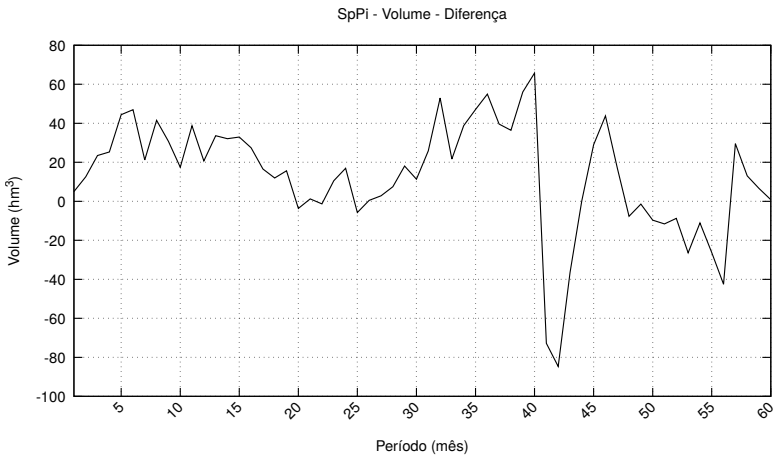
(a) SpPi



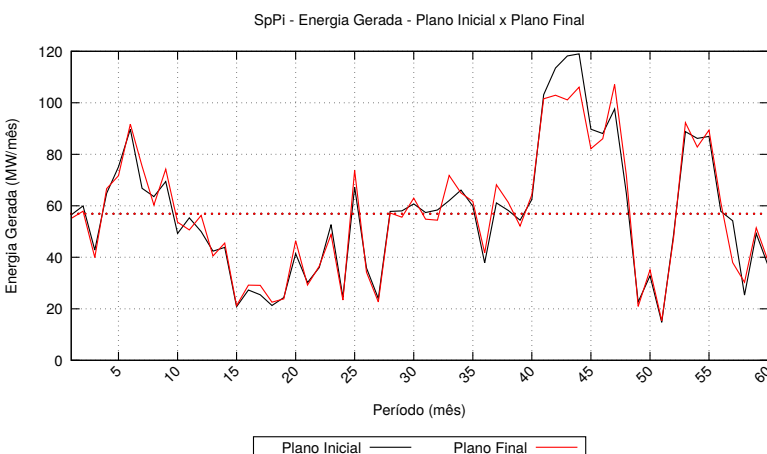
(b) SpPi



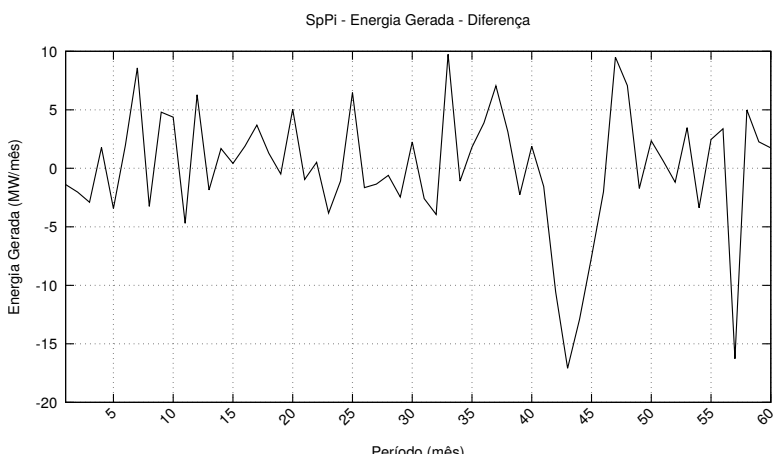
(a) SpPi



(b) SpPi



(a) SpPi

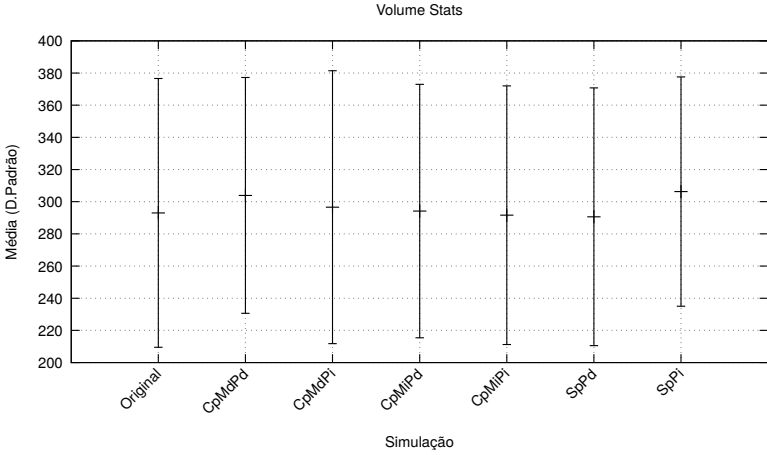


(b) SpPi

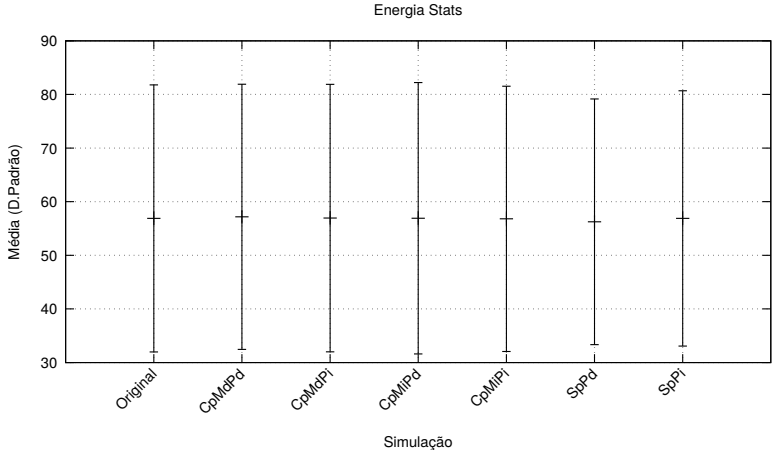
14.7 GPlan Stats

Tabela 19: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	293.04035	83.53678	56.88461	24.89777
CpMdPd	303.91409	73.29104	57.17750	24.72334
CpMdPi	296.58449	84.83489	56.94904	24.93705
CpMiPd	294.16950	78.76253	56.91163	25.30390
CpMiPi	291.61721	80.41336	56.80186	24.72845
SpPd	290.62811	80.11678	56.25630	22.90910
SpPi	306.31585	71.27389	56.88971	23.80621

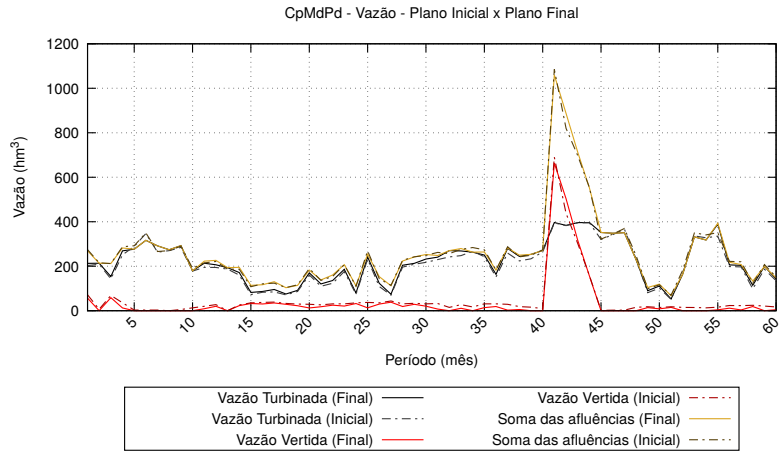


(a) Volume

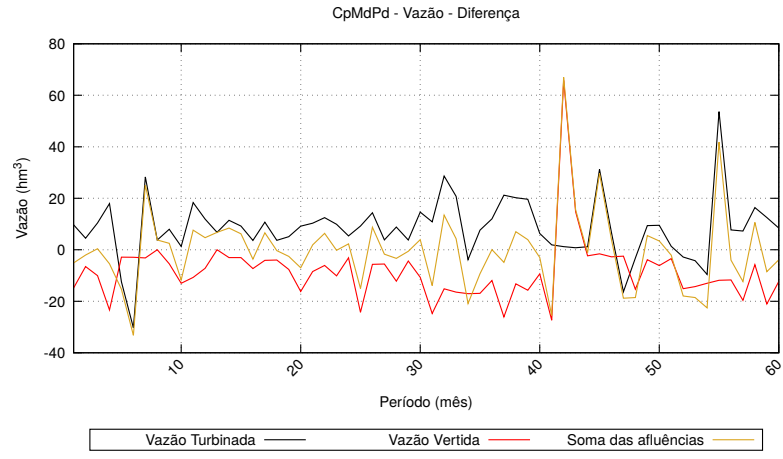


(b) Energia

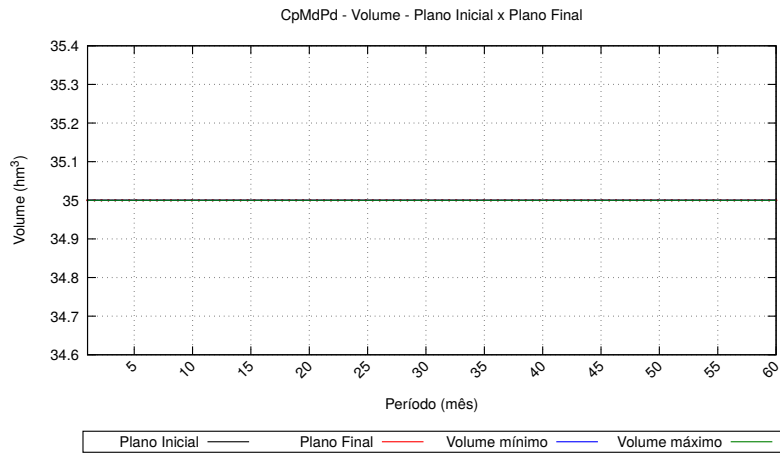
15.1 Resultados - CpMdPd



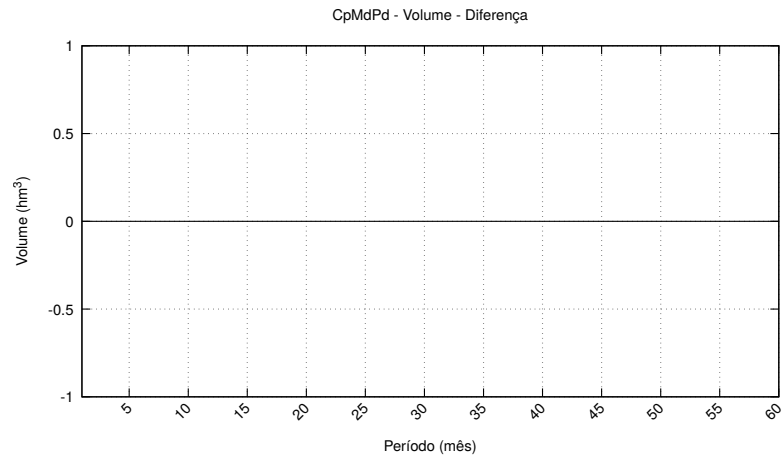
(a) CpMdPd



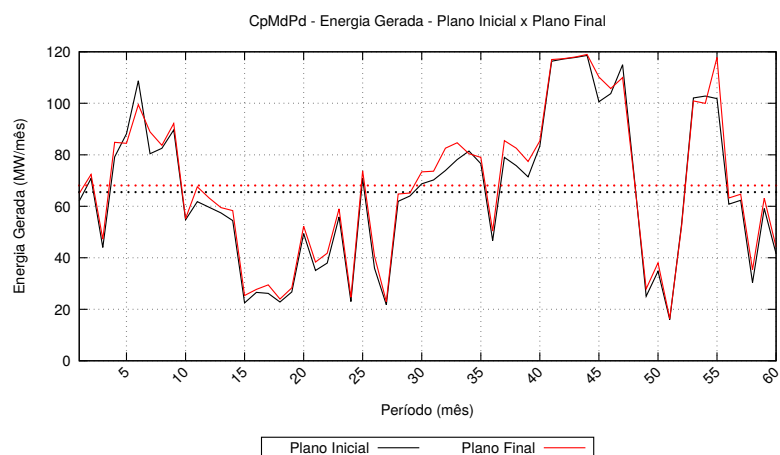
(b) CpMdPd



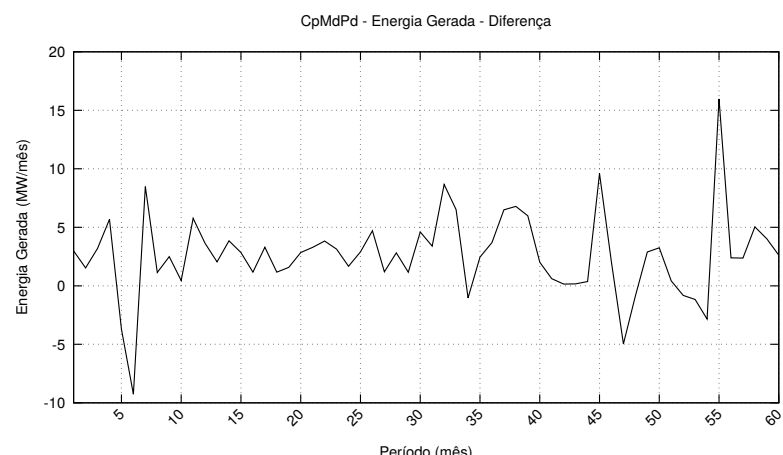
(a) CpMdPd



(b) CpMdPd



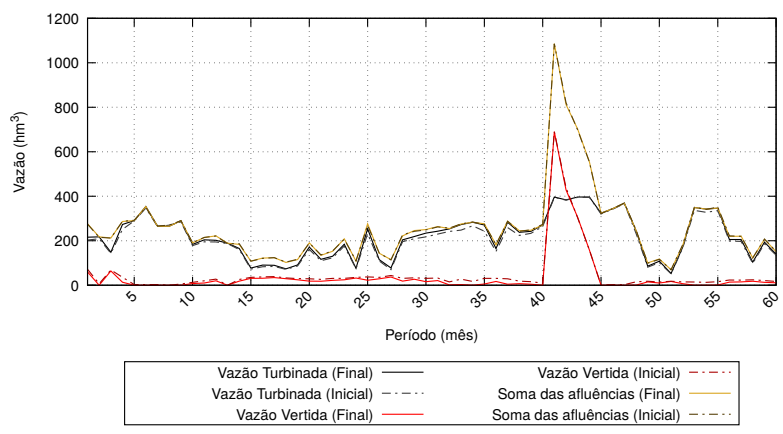
(a) CpMdPd



(b) CpMdPd

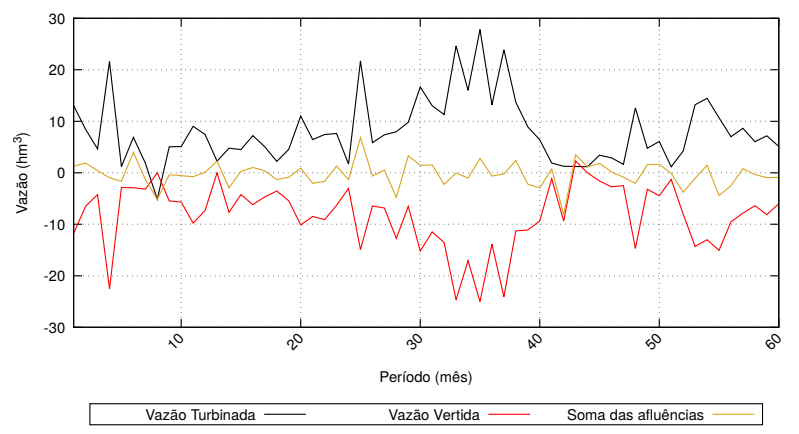
15.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



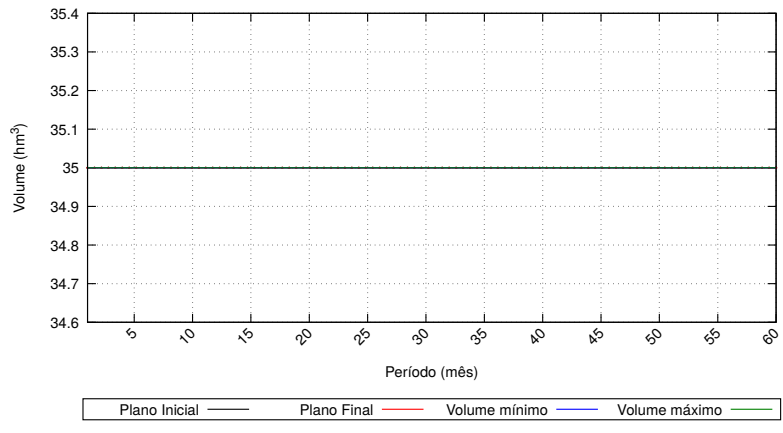
(a) CpMdPi

CpMdPi - Vazão - Diferença



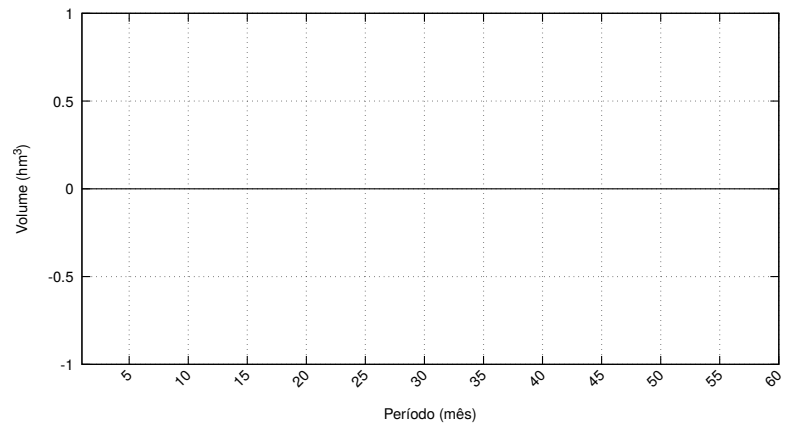
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



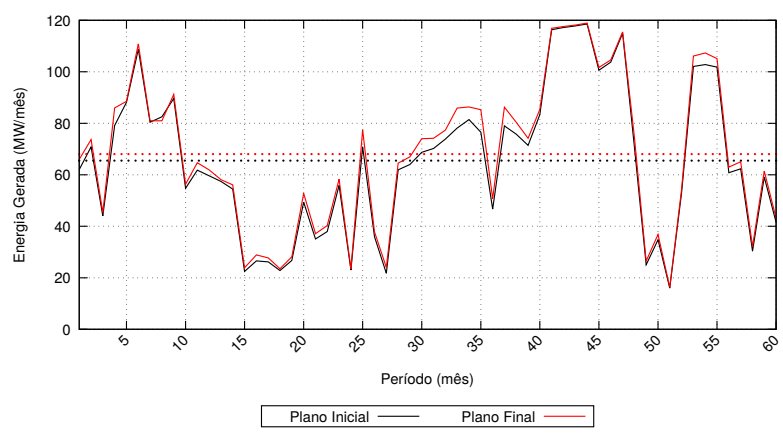
(a) CpMdPi

CpMdPi - Volume - Diferença



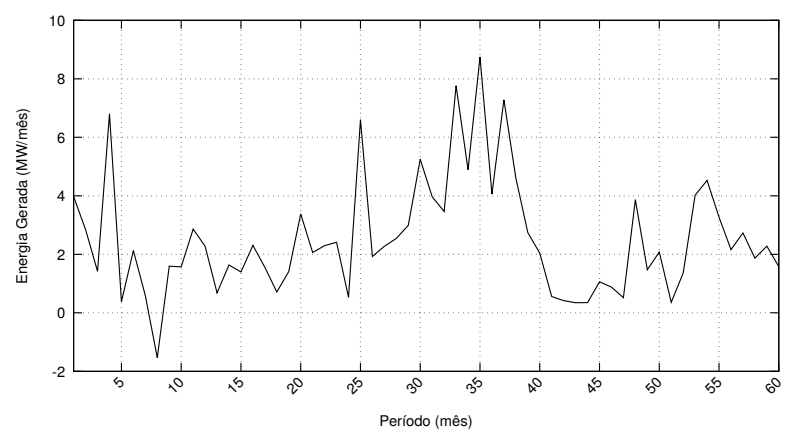
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

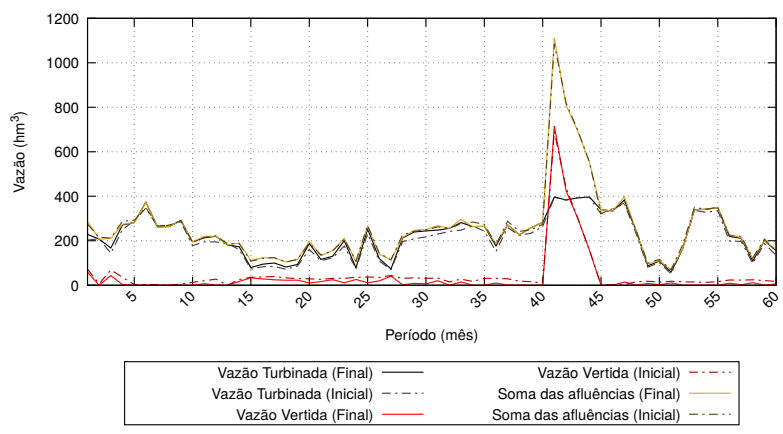
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

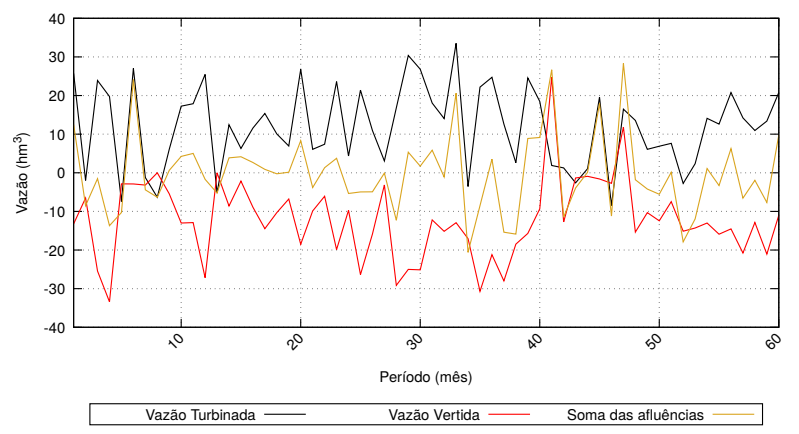
15.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



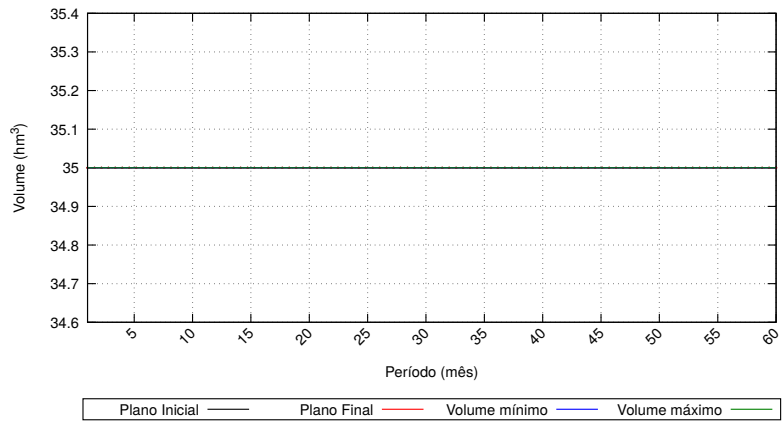
(a) CpMiPd

CpMiPd - Vazão - Diferença



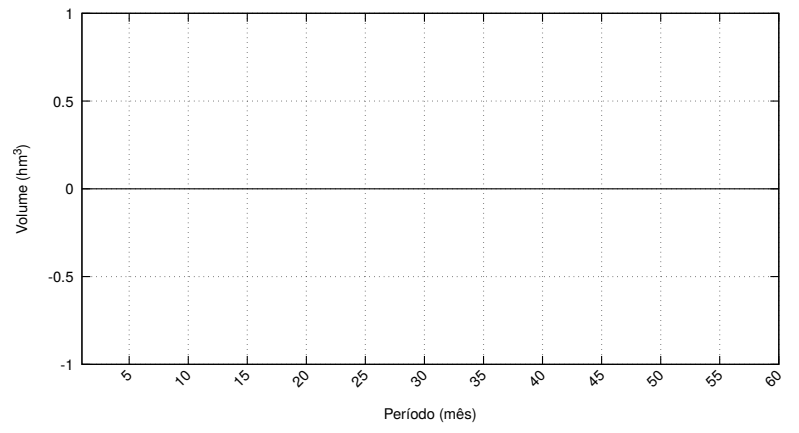
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



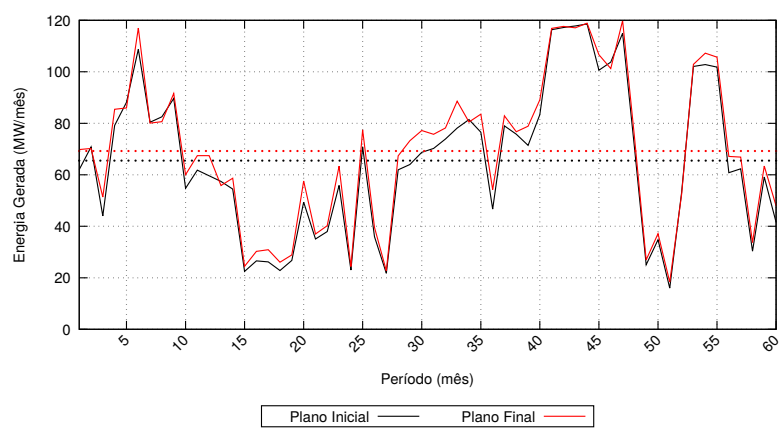
(a) CpMiPd

CpMiPd - Volume - Diferença



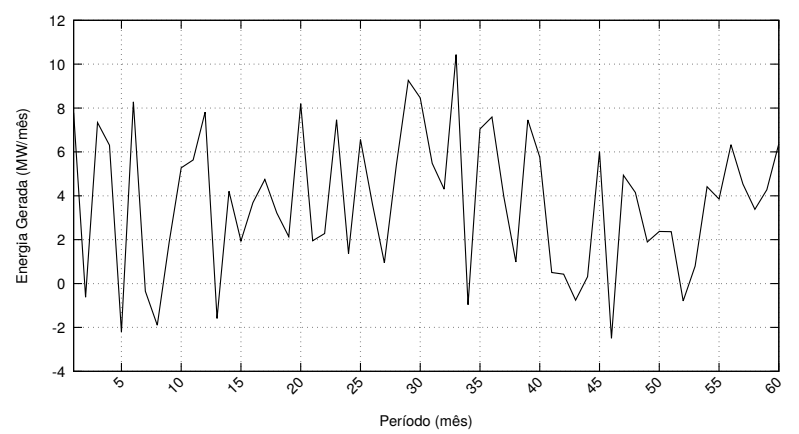
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

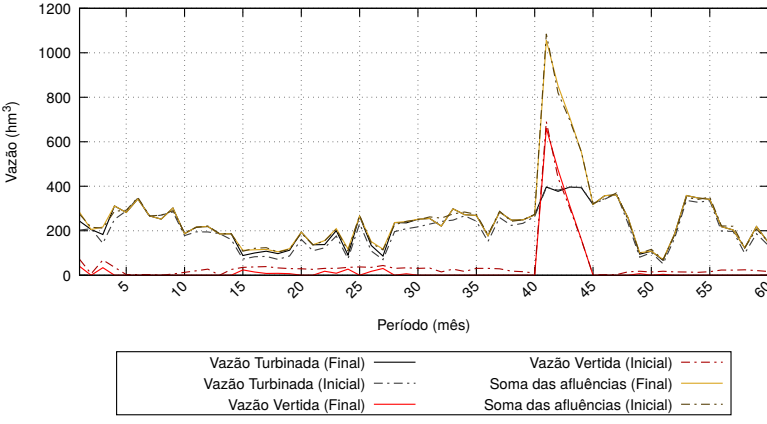
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

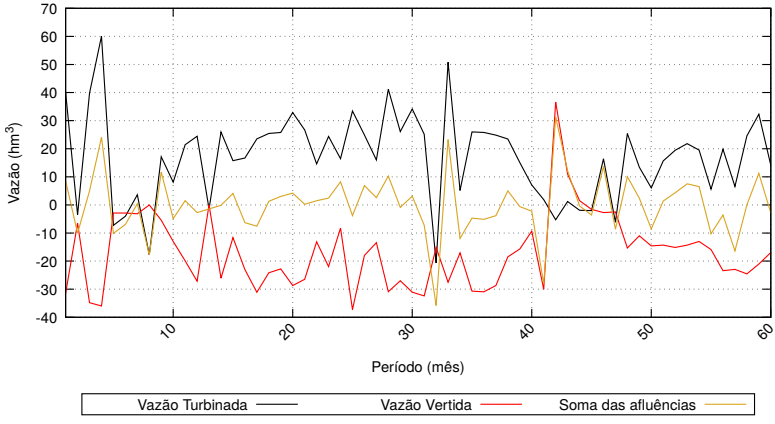
15.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



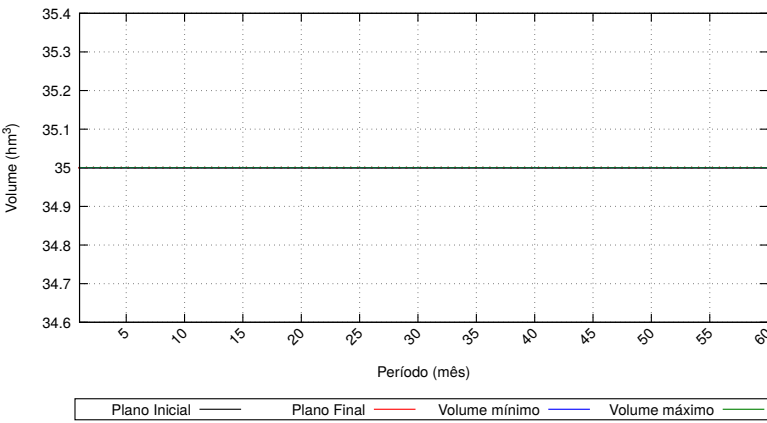
(a) CpMiPi

CpMiPi - Vazão - Diferença



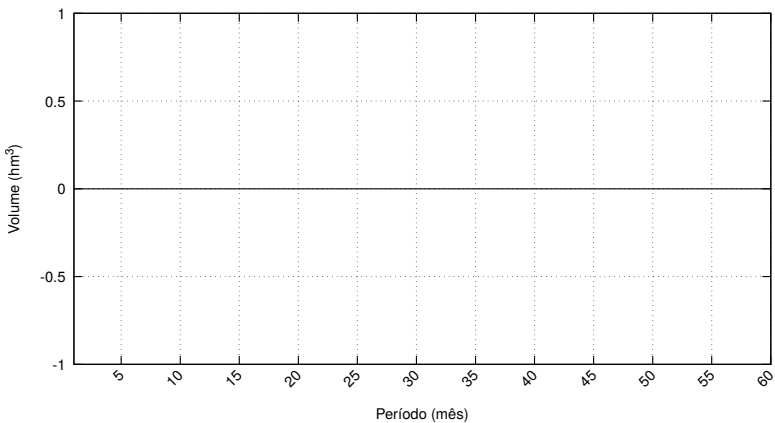
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



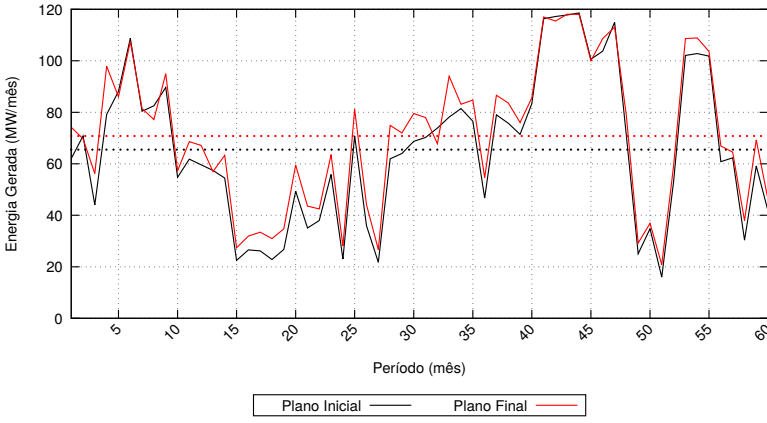
(a) CpMiPi

CpMiPi - Volume - Diferença



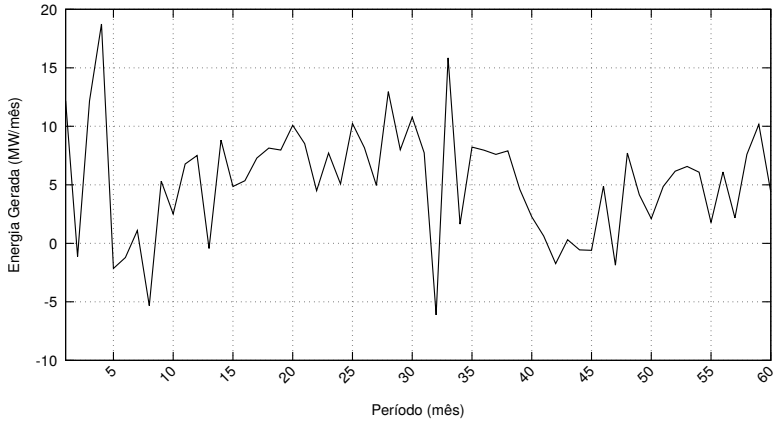
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

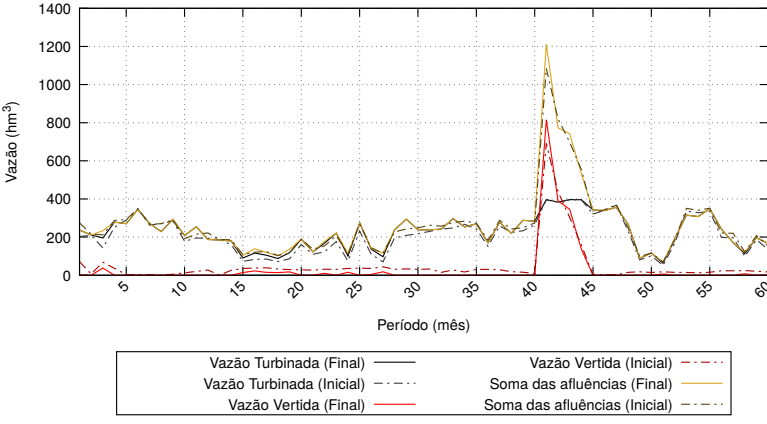
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

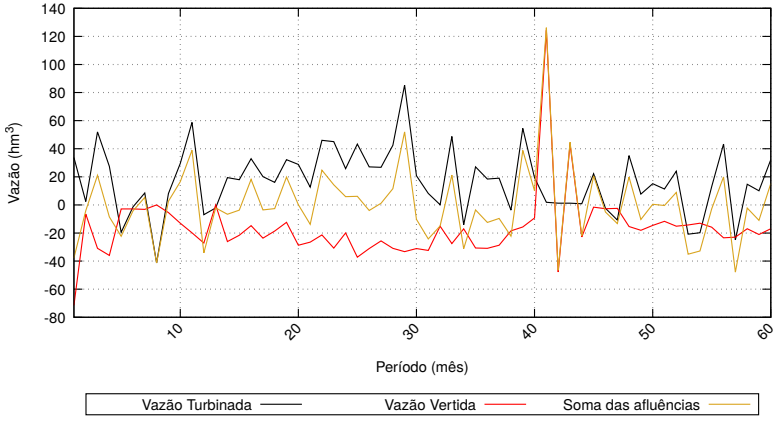
15.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



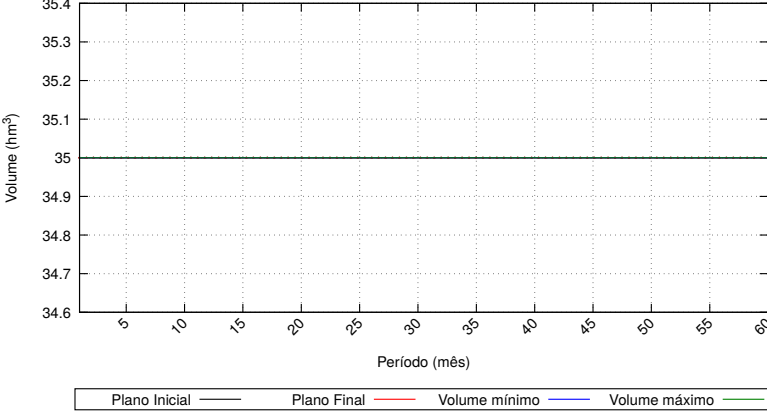
(a) SpPd

SpPd - Vazão - Diferença



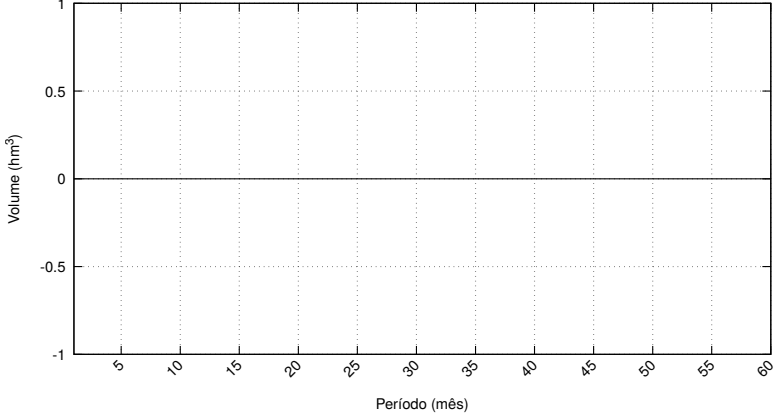
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



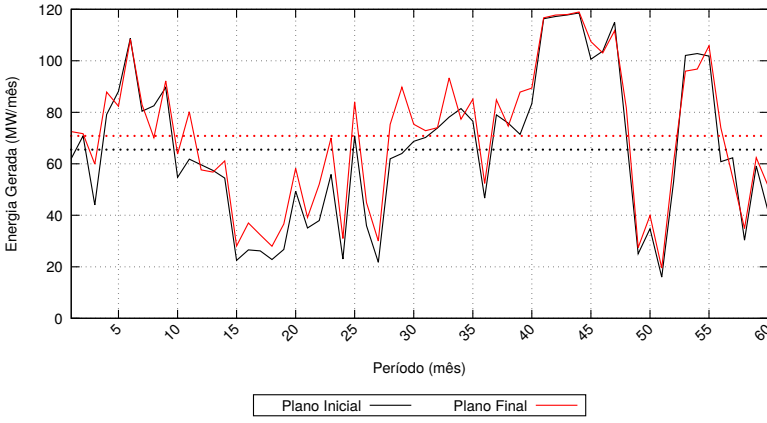
(a) SpPd

SpPd - Volume - Diferença



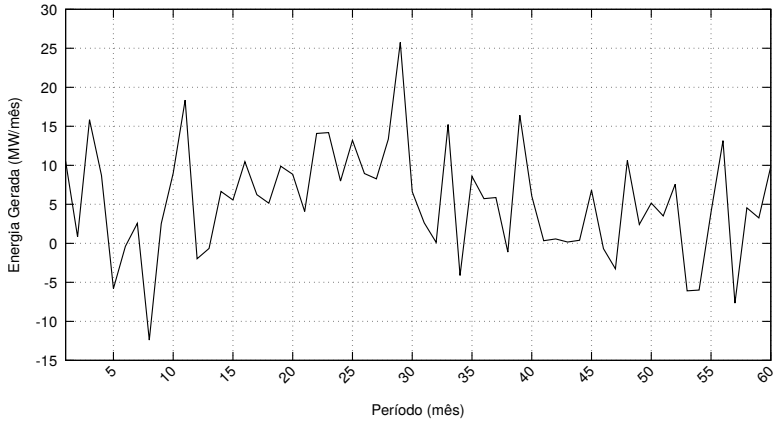
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

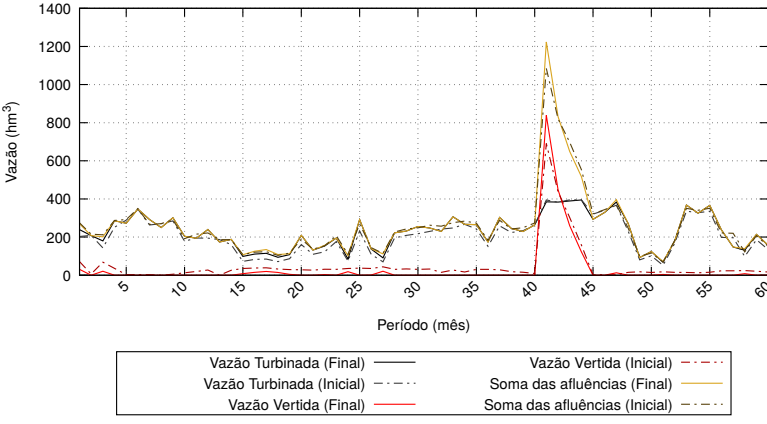
SpPd - Energia Gerada - Diferença



(b) SpPd

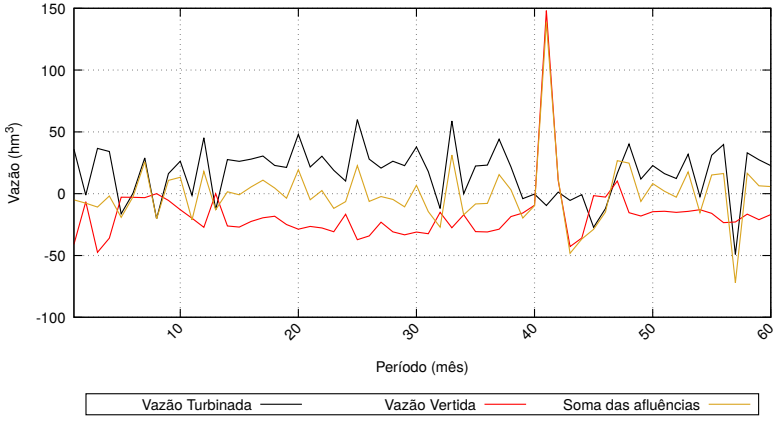
15.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



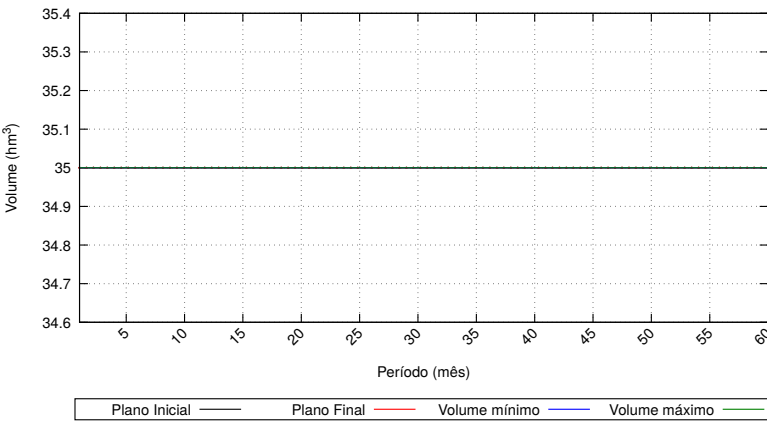
(a) SpPi

SpPi - Vazão - Diferença



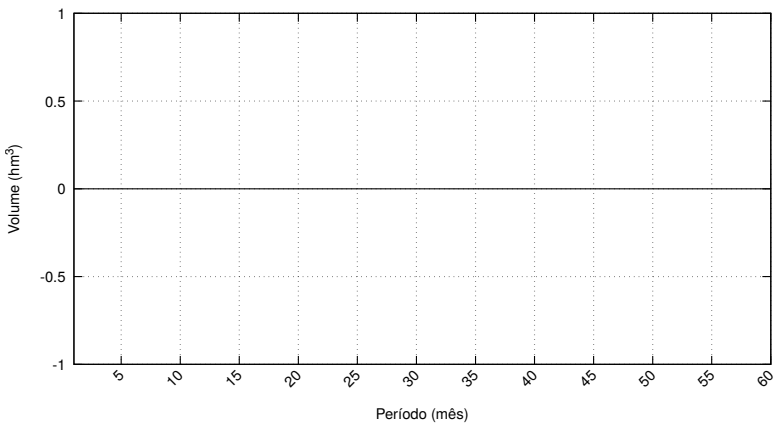
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



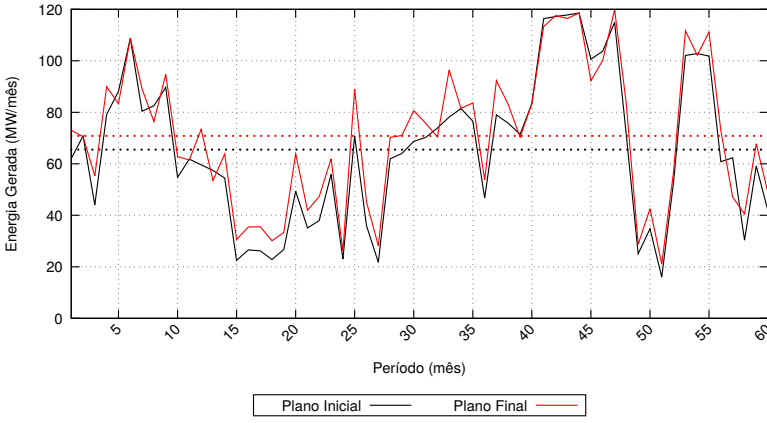
(a) SpPi

SpPi - Volume - Diferença



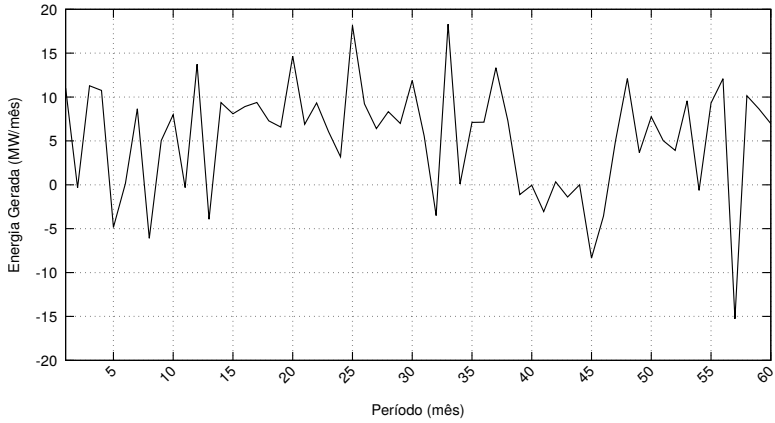
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

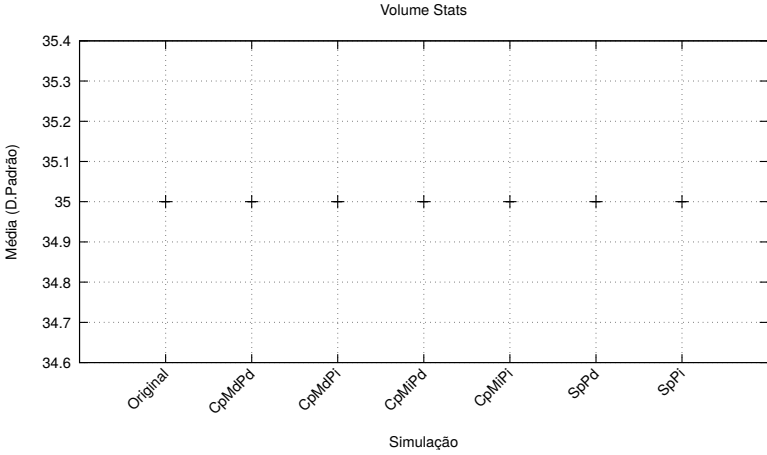


(b) SpPi

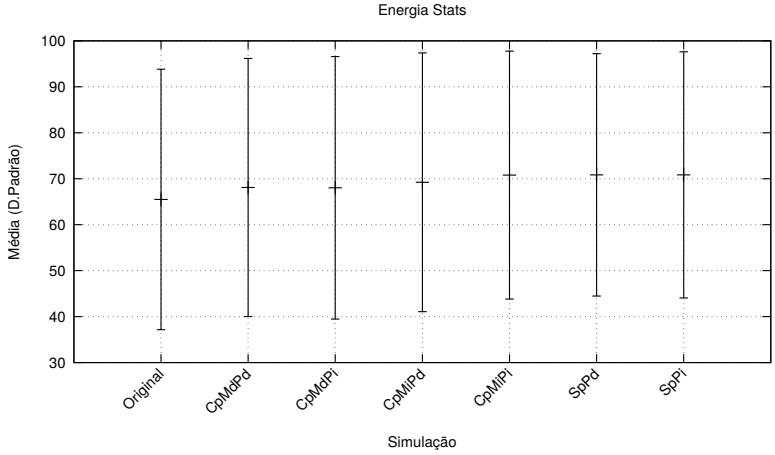
15.7 GPlan Stats

Tabela 20: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	35.00000	0.00000	65.49156	28.33381
CpMdPd	35.00000	0.00000	68.10153	28.07607
CpMdPi	35.00000	0.00000	68.02750	28.56128
CpMiPd	35.00000	0.00000	69.22656	28.15282
CpMiPi	35.00000	0.00000	70.79153	26.97018
SpPd	35.00000	0.00000	70.83314	26.36937
SpPi	35.00000	0.00000	70.83222	26.77221



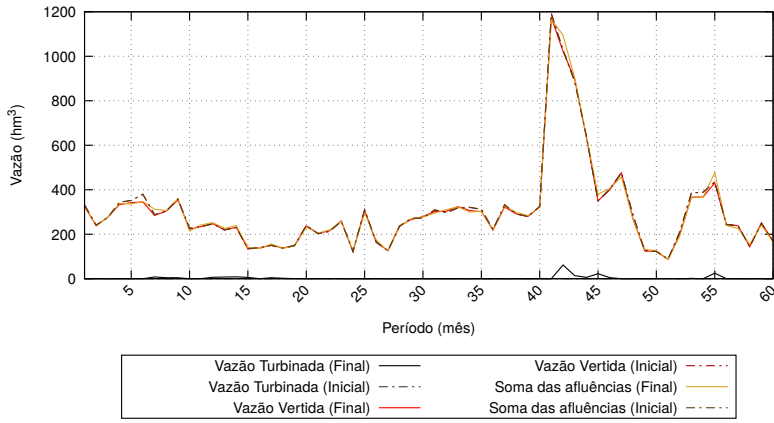
(a) Volume



(b) Energia

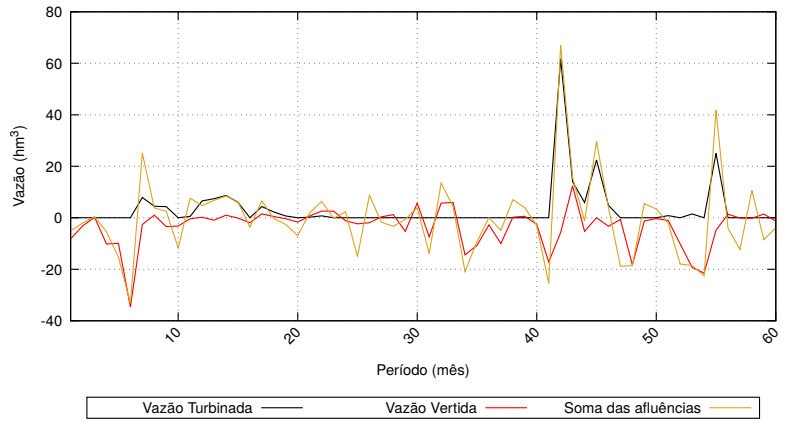
16.1 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



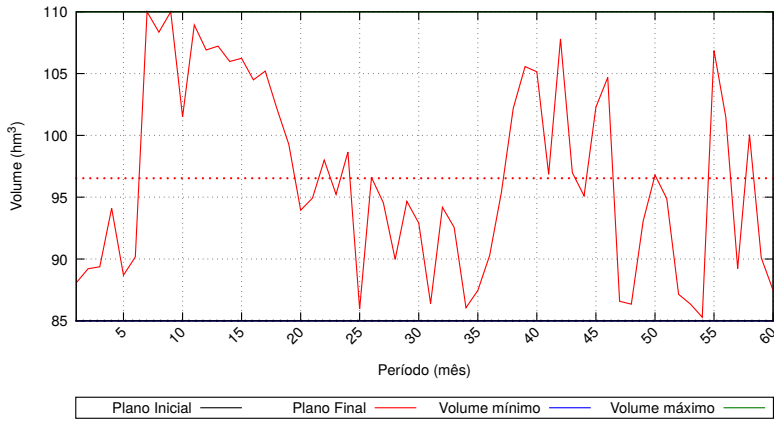
(a) CpMdPd

CpMdPd - Vazão - Diferença



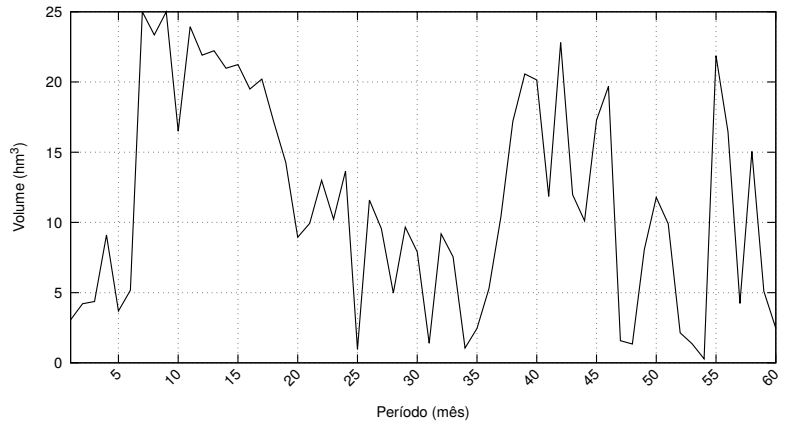
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



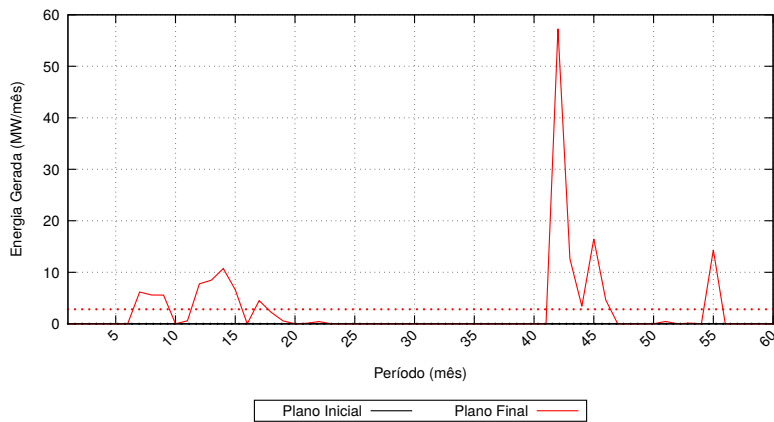
(a) CpMdPd

CpMdPd - Volume - Diferença



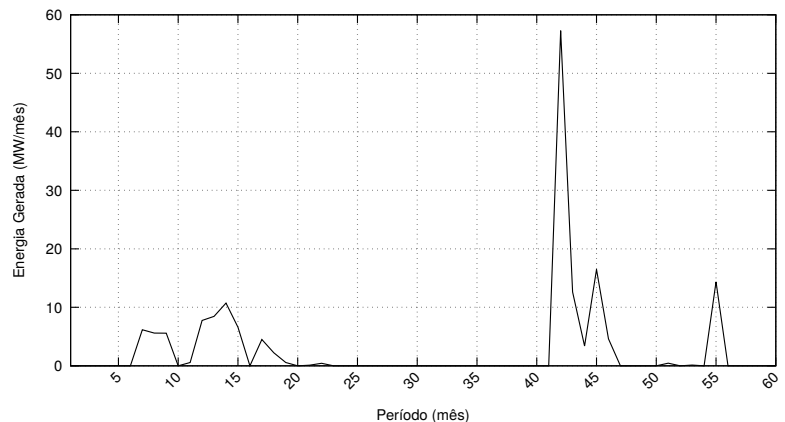
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

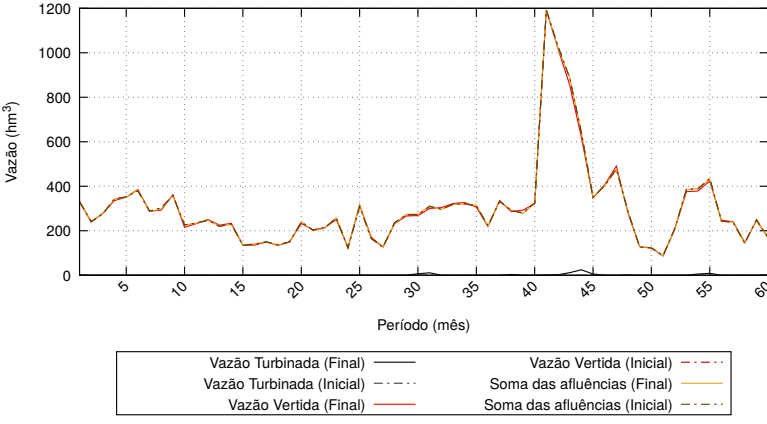
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

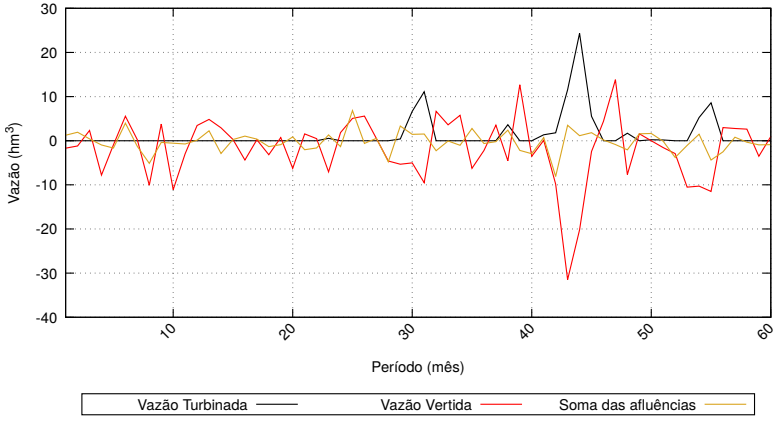
16.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



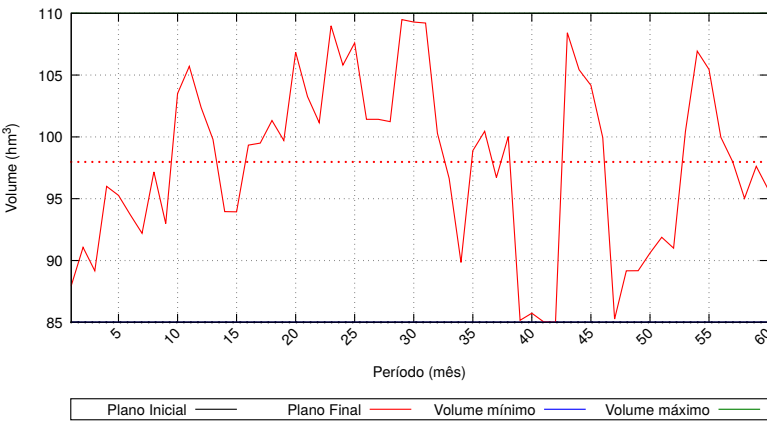
(a) CpMdPi

CpMdPi - Vazão - Diferença



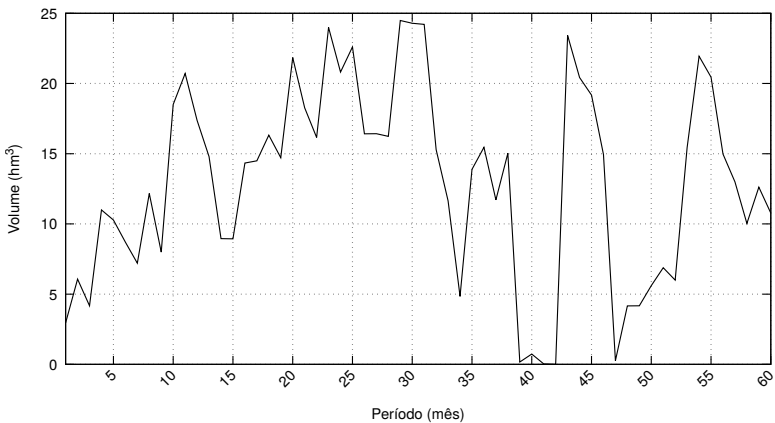
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



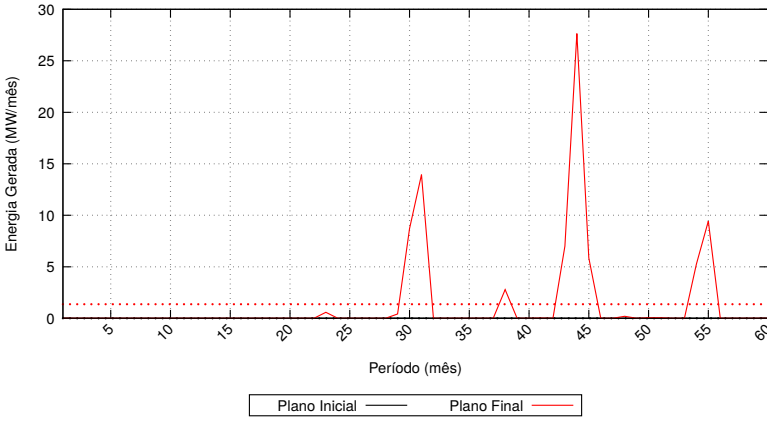
(a) CpMdPi

CpMdPi - Volume - Diferença



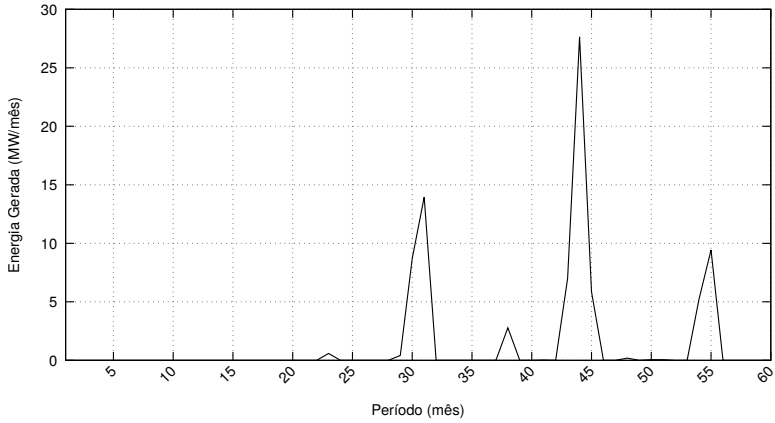
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

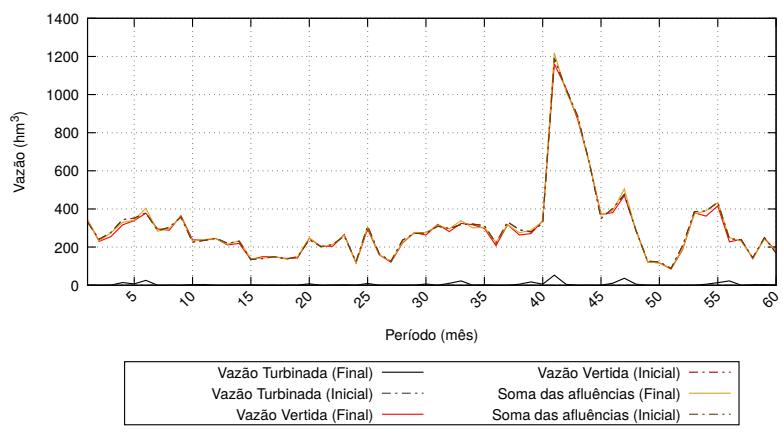
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

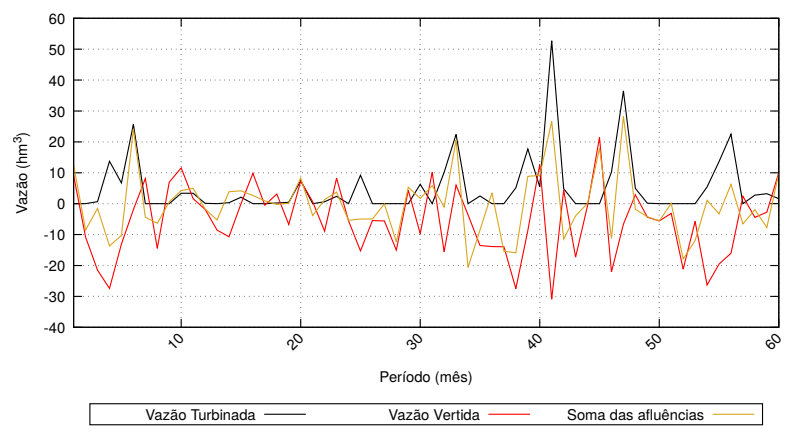
16.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



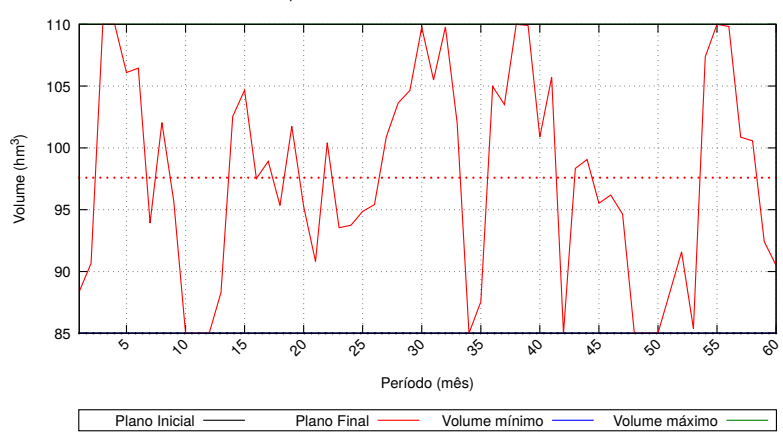
(a) CpMiPd

CpMiPd - Vazão - Diferença



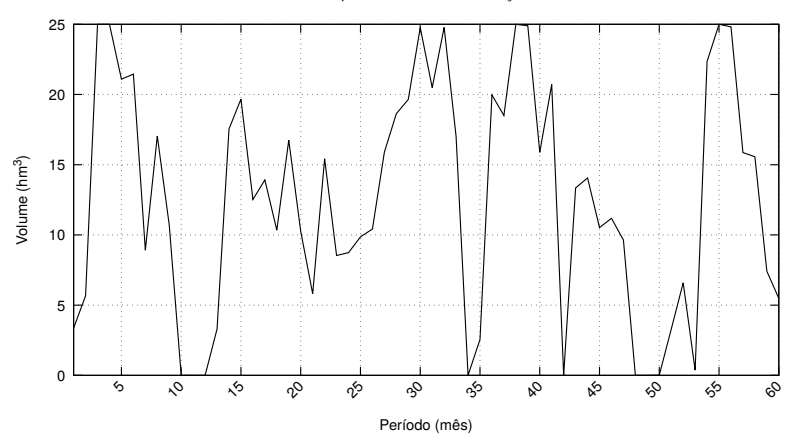
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



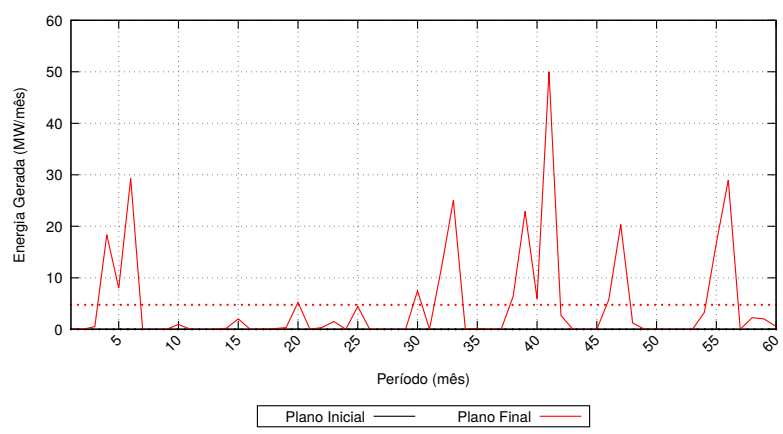
(a) CpMiPd

CpMiPd - Volume - Diferença



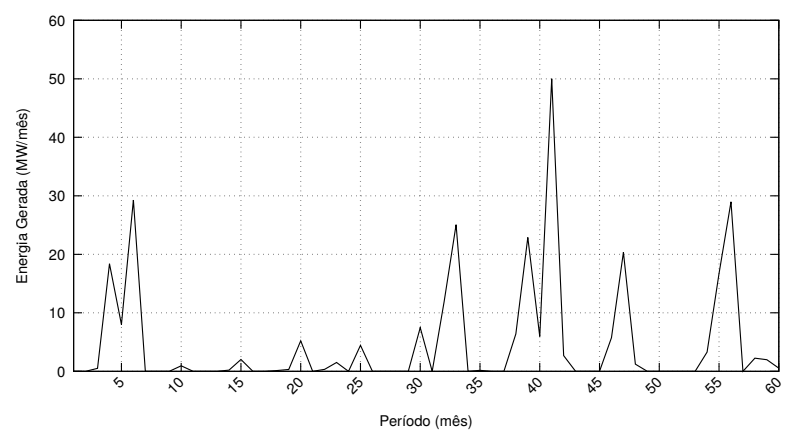
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

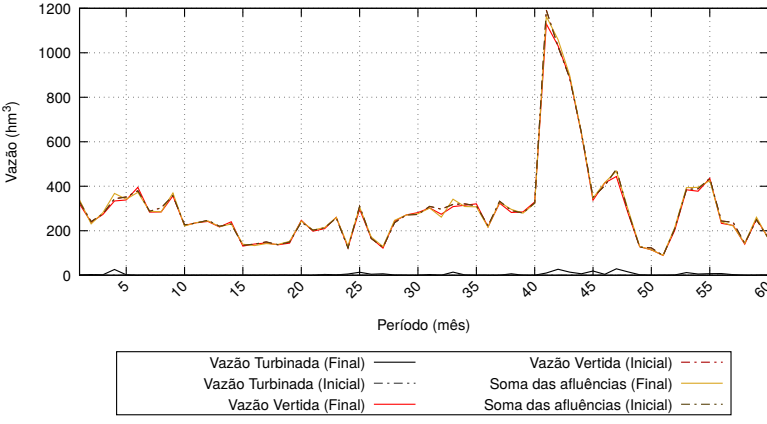
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

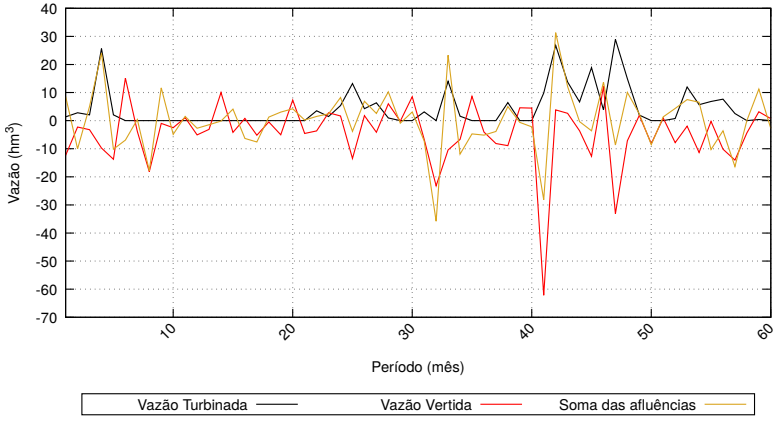
16.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



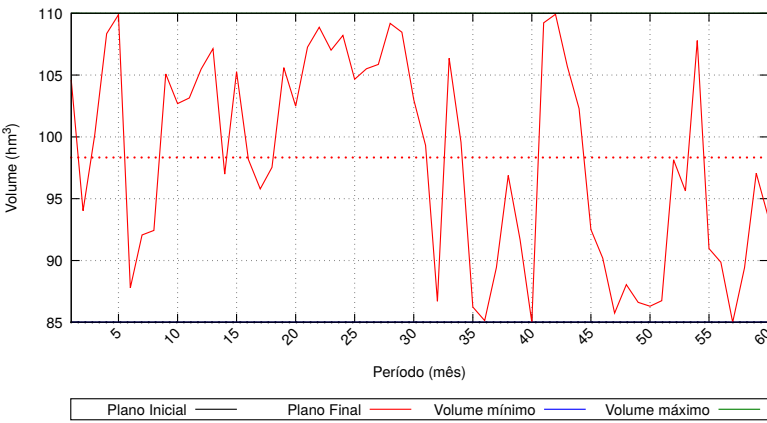
(a) CpMiPi

CpMiPi - Vazão - Diferença



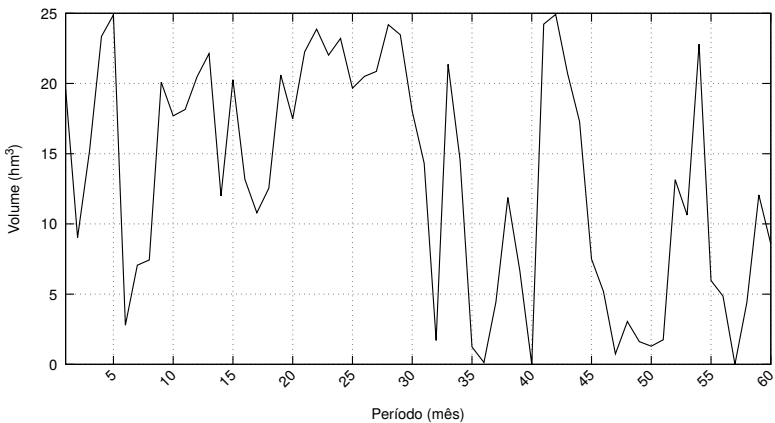
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



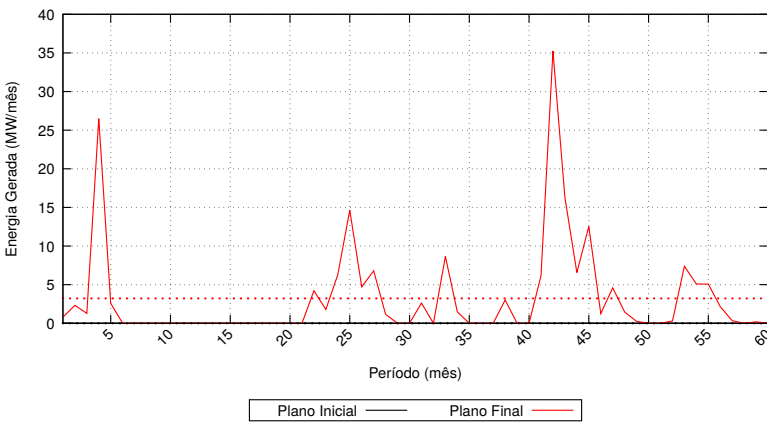
(a) CpMiPi

CpMiPi - Volume - Diferença



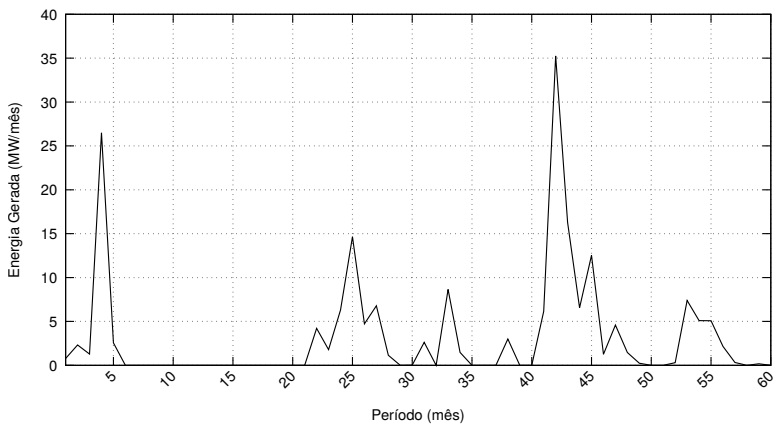
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

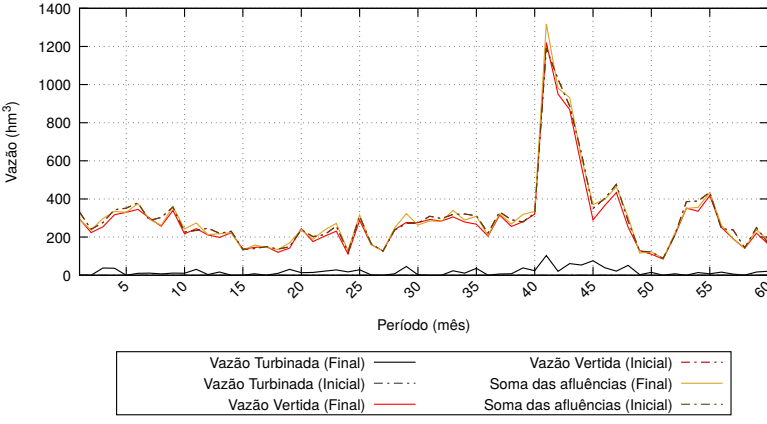
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

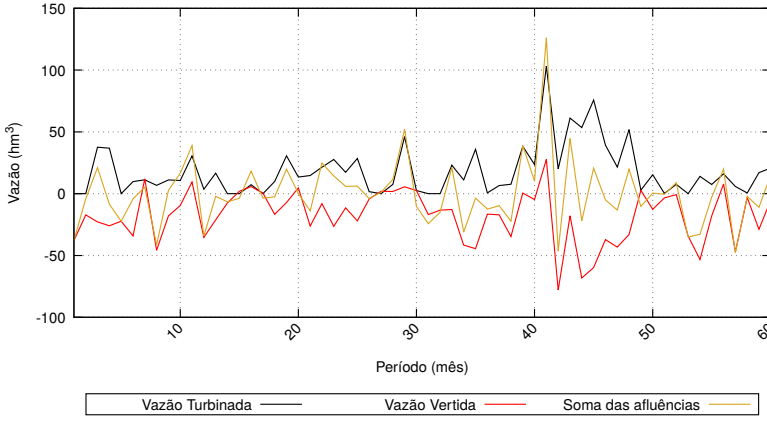
16.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



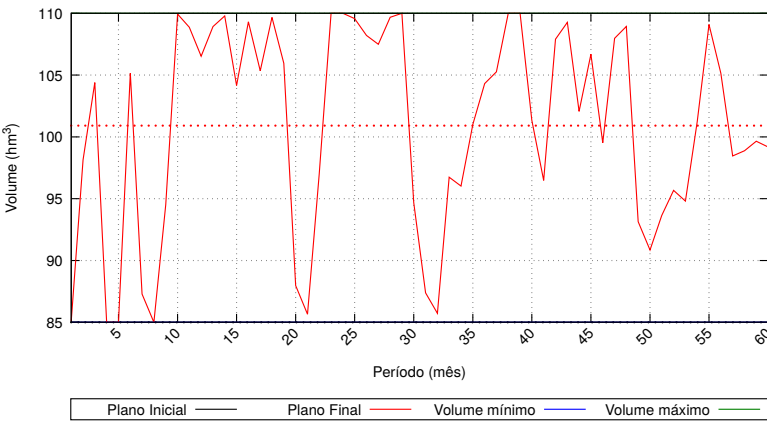
(a) SpPd

SpPd - Vazão - Diferença



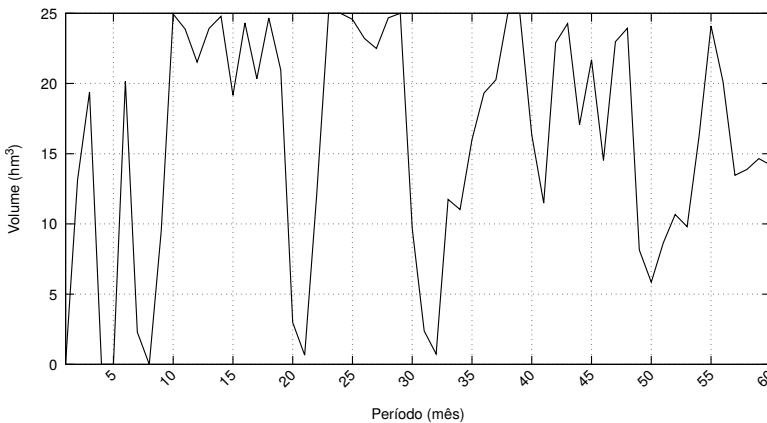
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



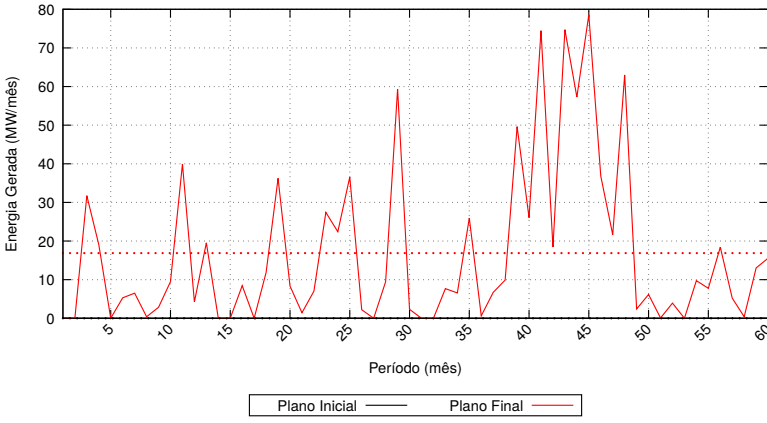
(a) SpPd

SpPd - Volume - Diferença



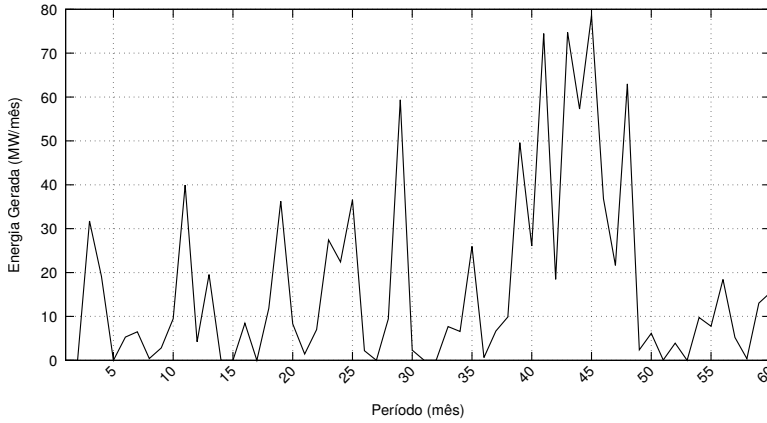
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

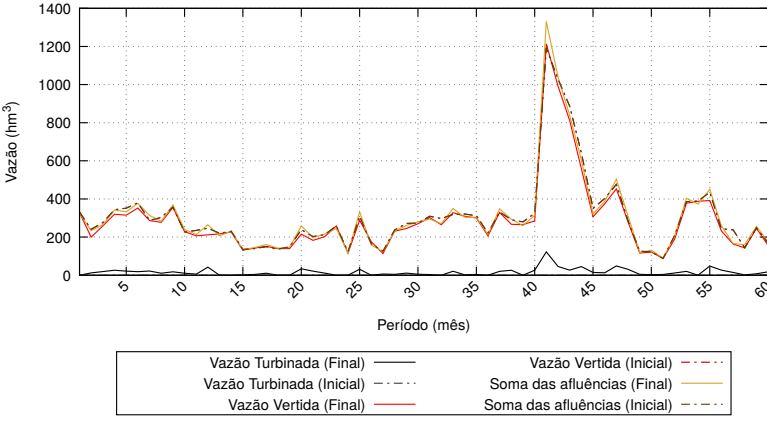
SpPd - Energia Gerada - Diferença



(b) SpPd

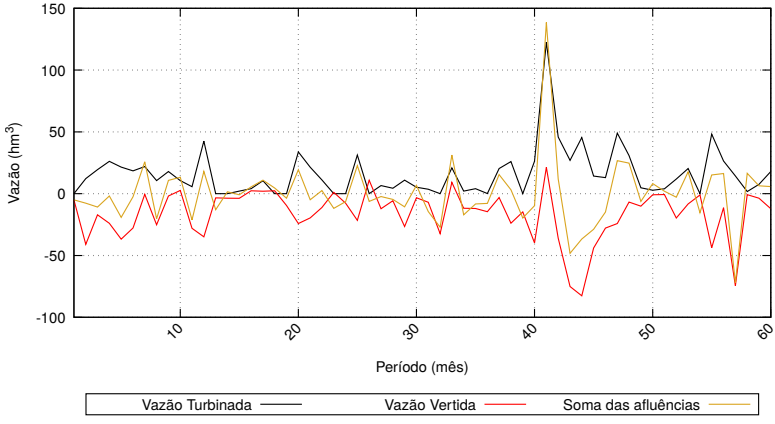
16.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



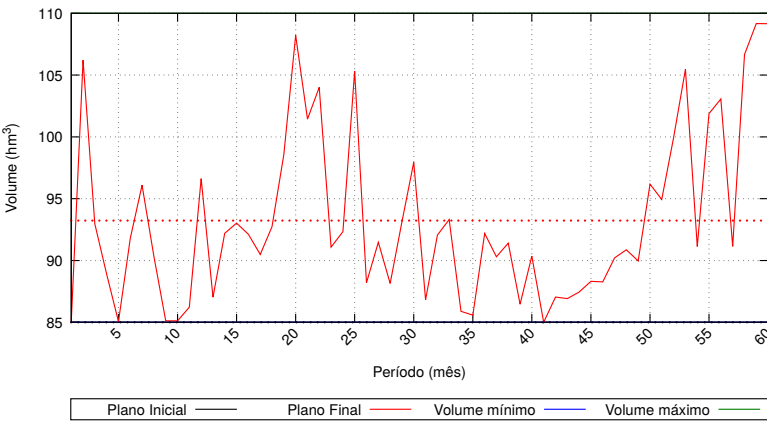
(a) SpPi

SpPi - Vazão - Diferença



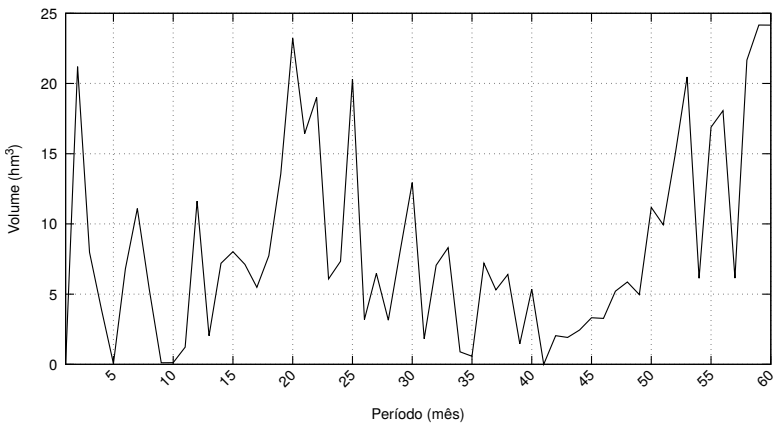
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



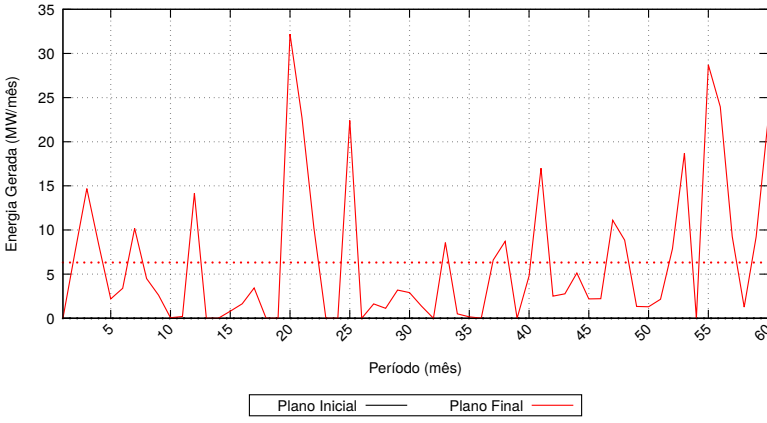
(a) SpPi

SpPi - Volume - Diferença



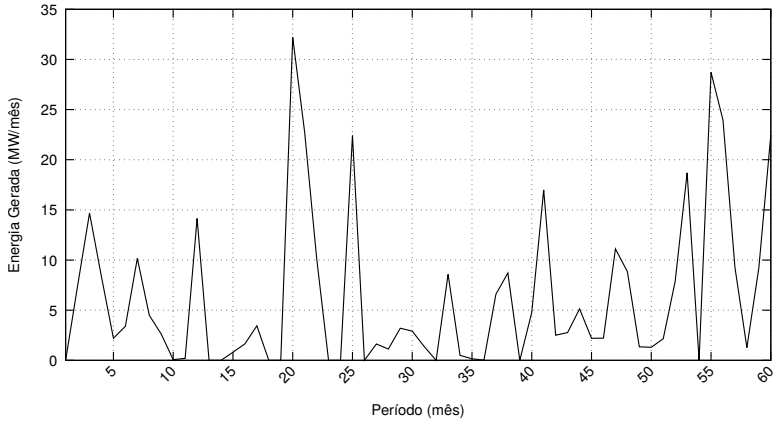
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

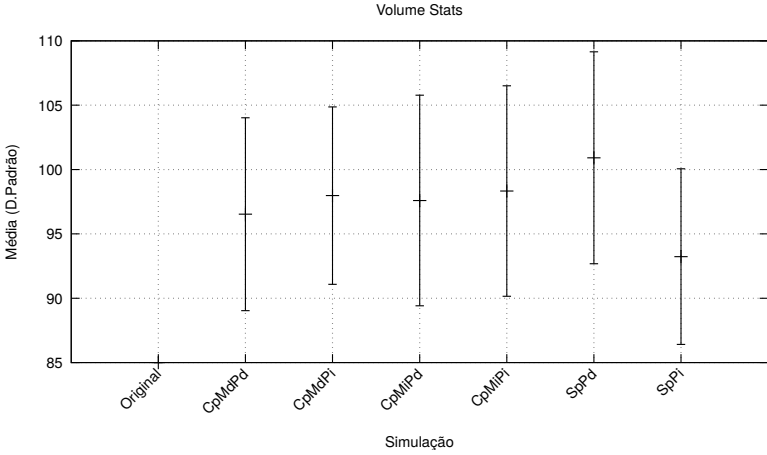


(b) SpPi

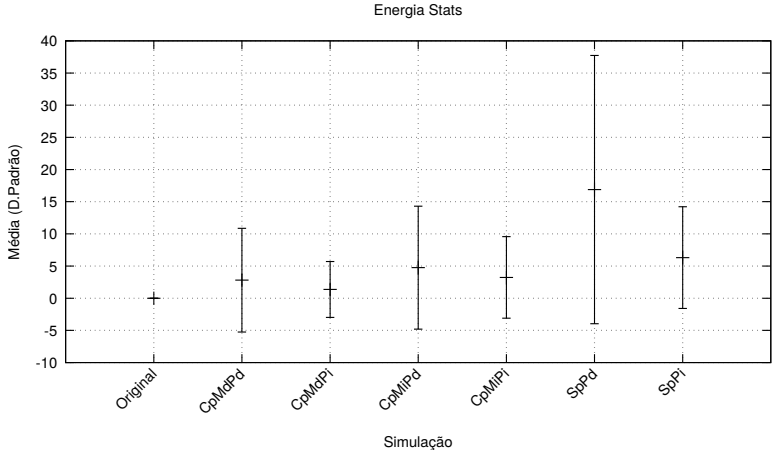
16.7 GPlan Stats

Tabela 21: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	85.00000	0.00000	0.00000	0.00000
CpMdPd	96.53104	7.49618	2.81070	8.05763
CpMdPi	97.97440	6.89388	1.36602	4.34164
CpMiPd	97.59365	8.18398	4.74908	9.55891
CpMiPi	98.33097	8.17956	3.22825	6.33900
SpPd	100.91303	8.23227	16.88327	20.84686
SpPi	93.23313	6.82682	6.31312	7.90242



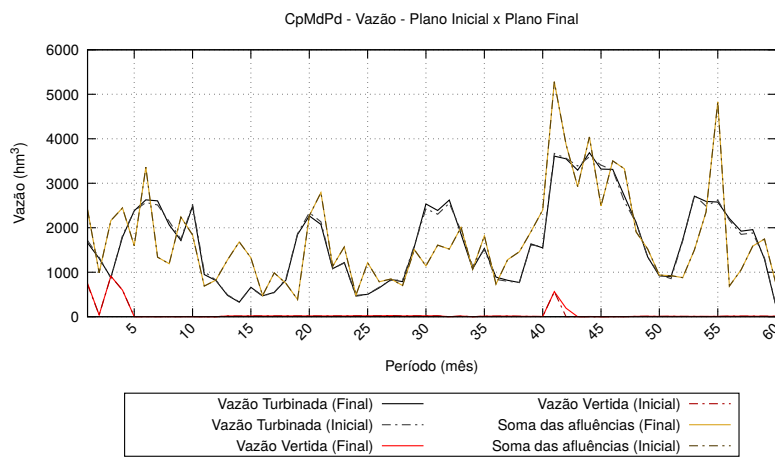
(a) Volume



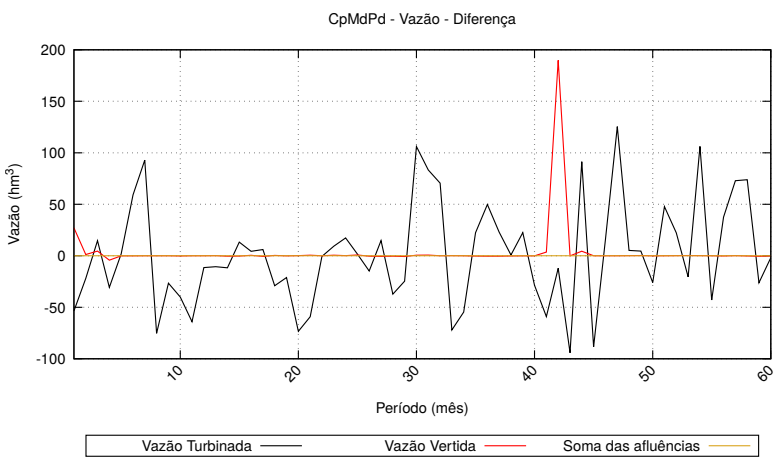
(b) Energia

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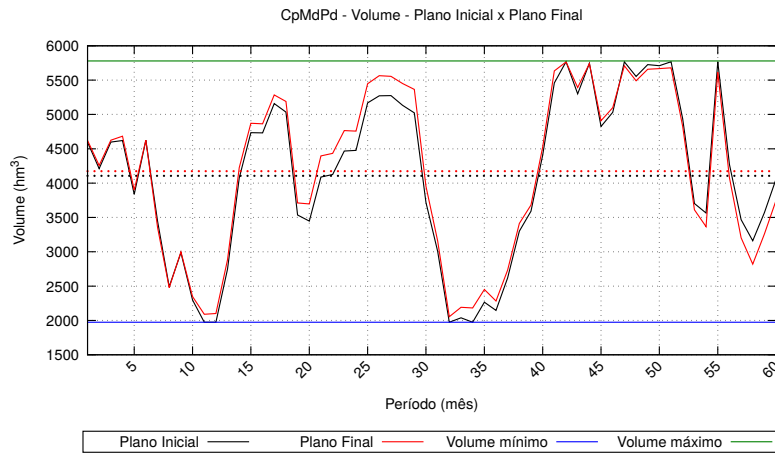
17.1 Resultados - CpMdPd



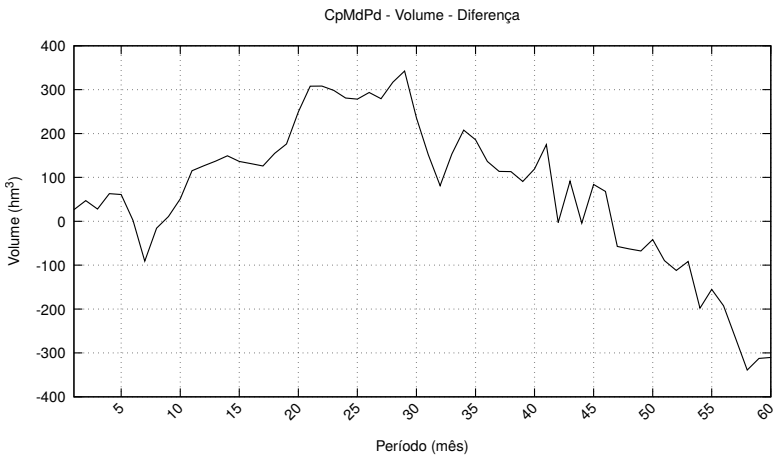
(a) CpMdPd



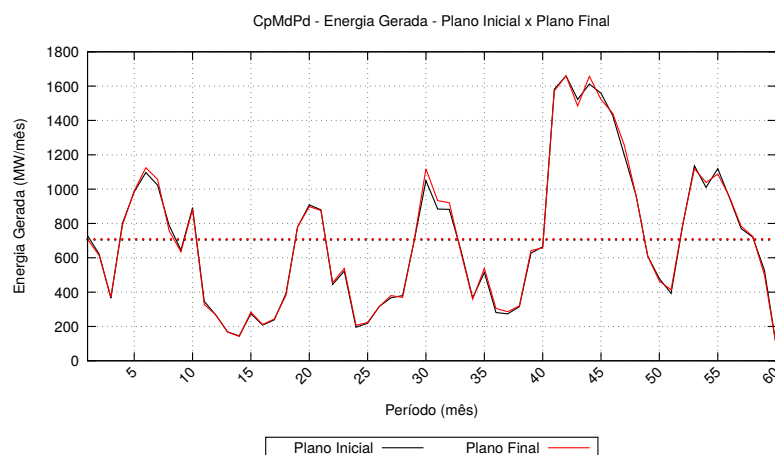
(b) CpMdPd



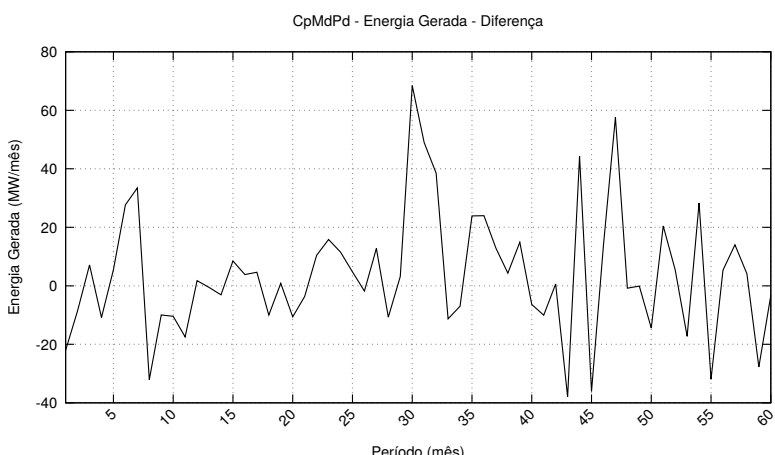
(a) CpMdPd



(b) CpMdPd



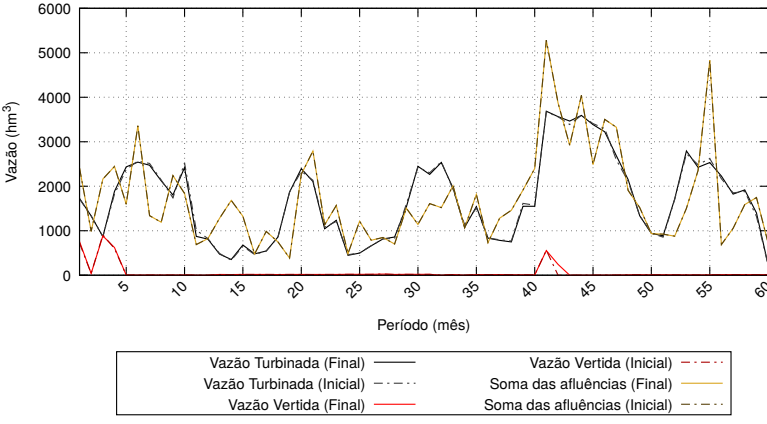
(a) CpMdPd



(b) CpMdPd

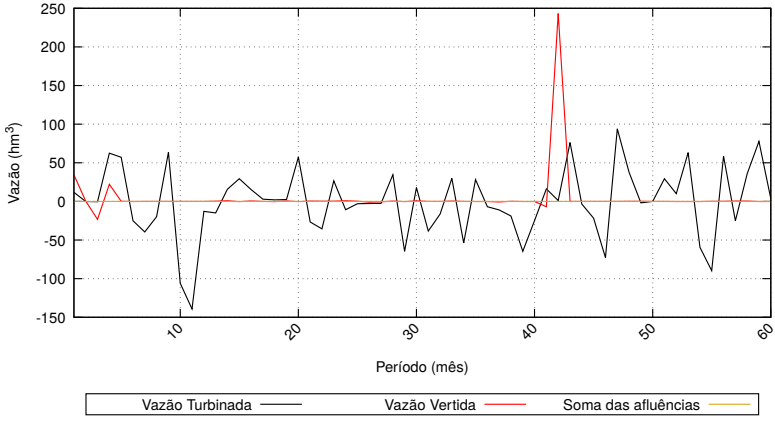
17.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



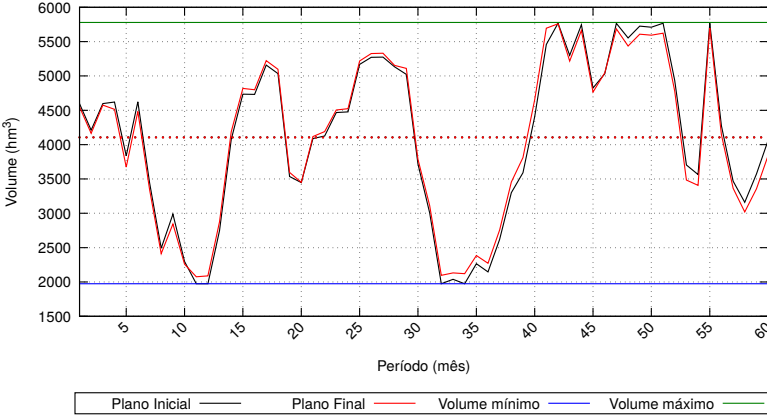
(a) CpMdPi

CpMdPi - Vazão - Diferença



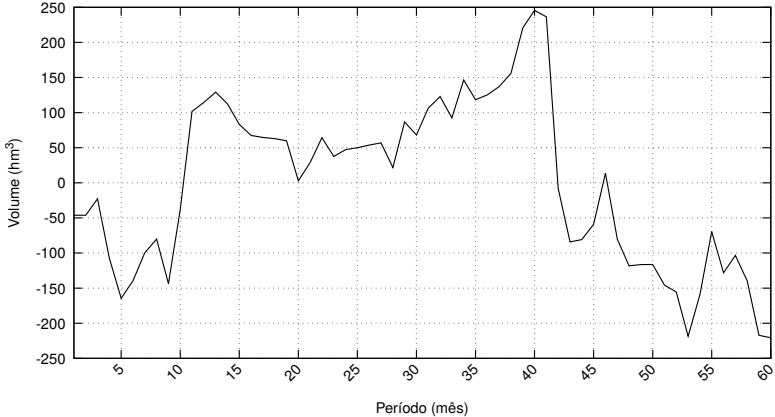
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



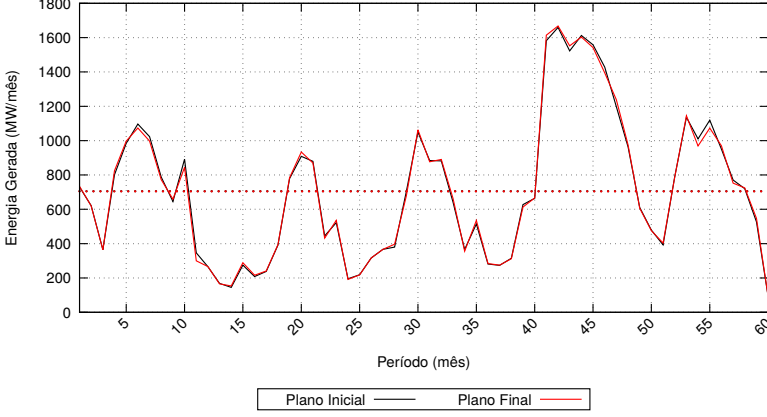
(a) CpMdPi

CpMdPi - Volume - Diferença



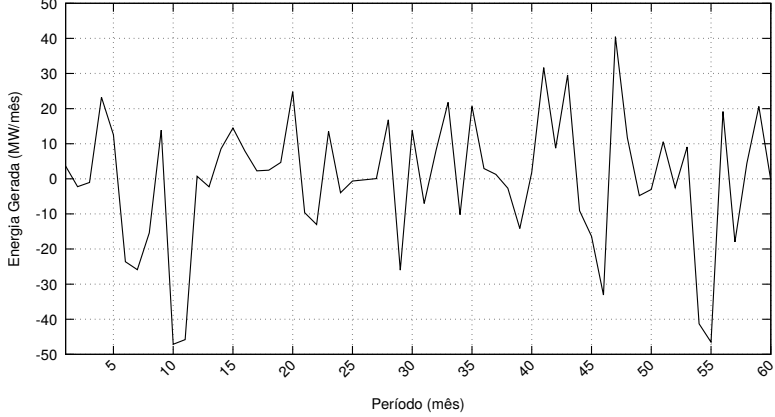
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

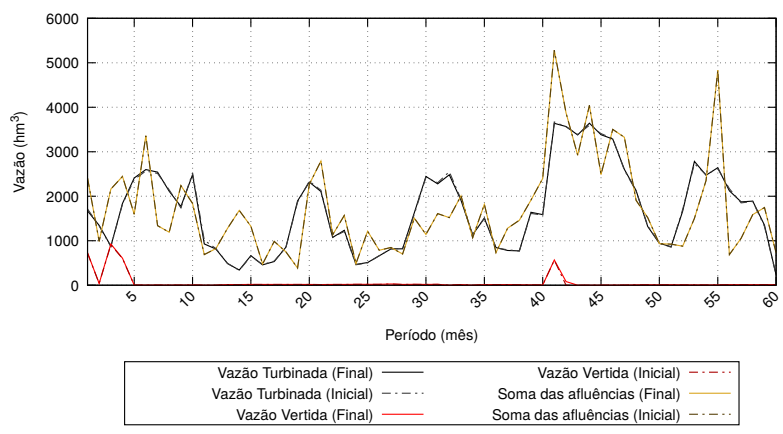
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

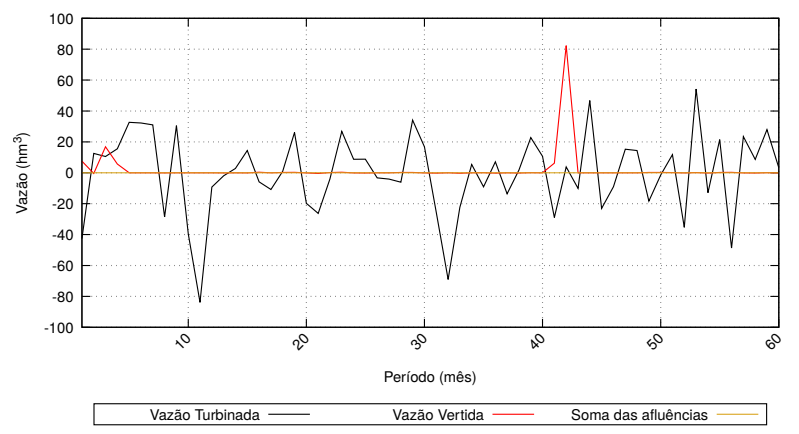
17.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



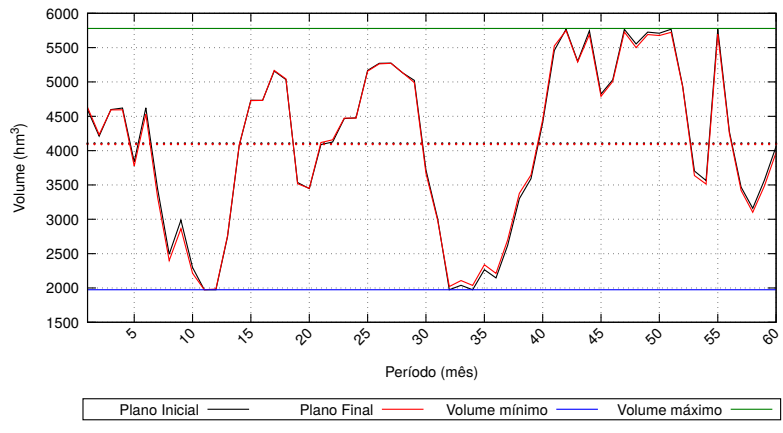
(a) CpMiPd

CpMiPd - Vazão - Diferença



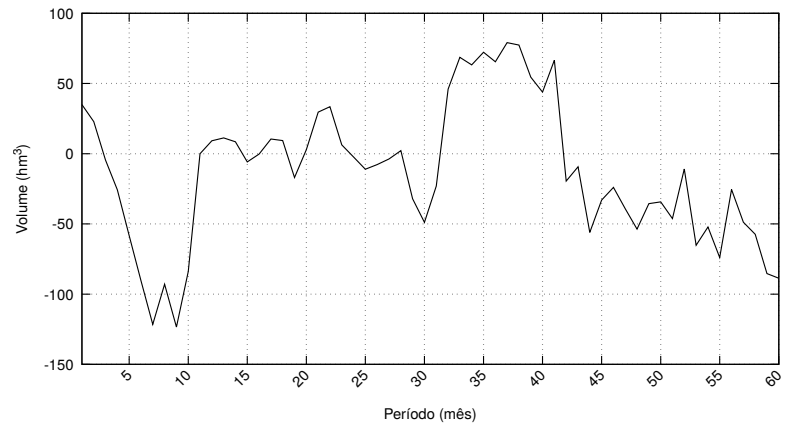
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



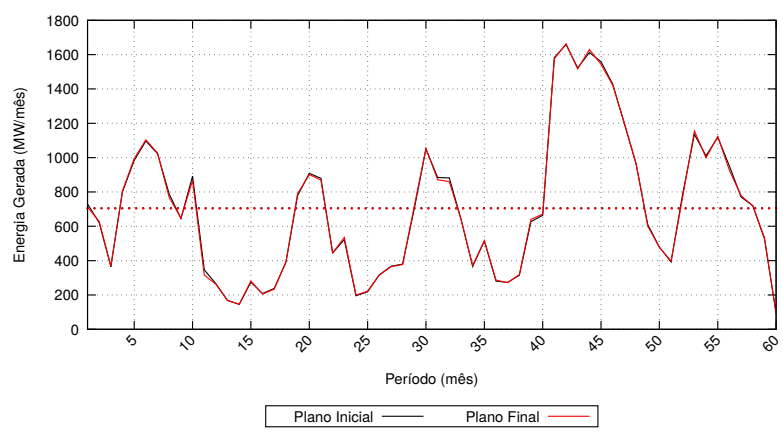
(a) CpMiPd

CpMiPd - Volume - Diferença



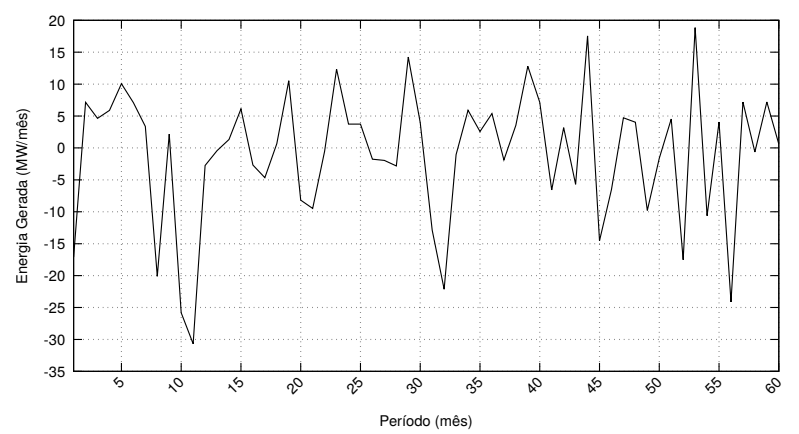
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

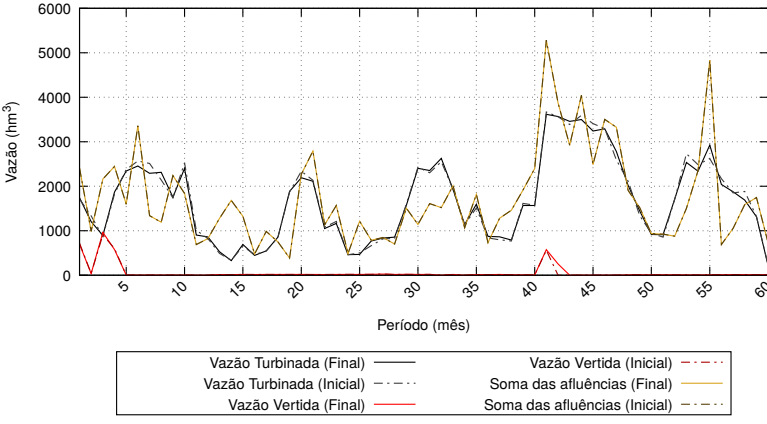
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

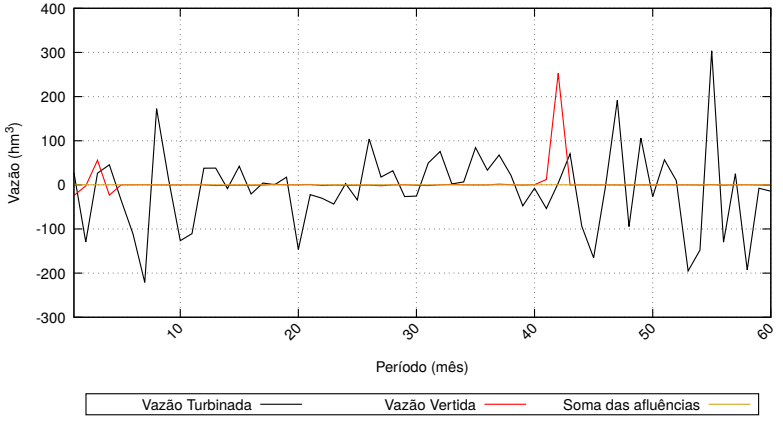
17.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



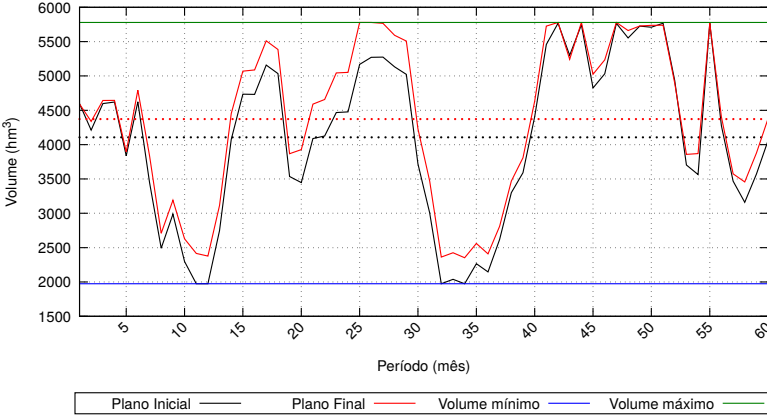
(a) CpMiPi

CpMiPi - Vazão - Diferença



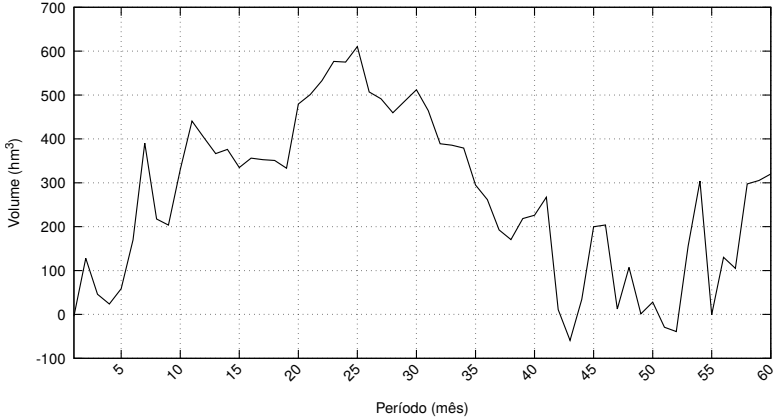
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



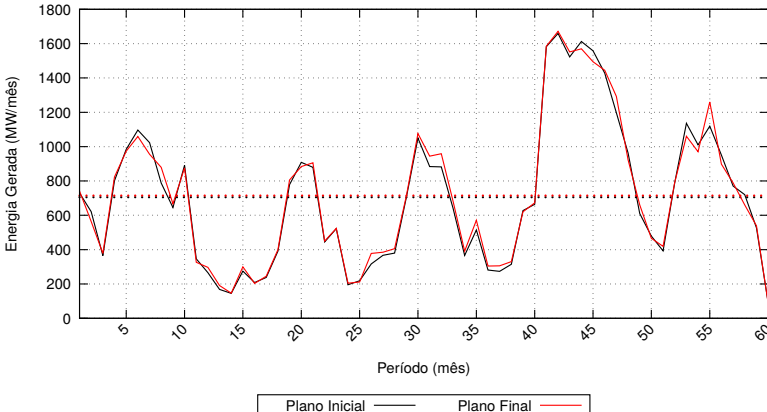
(a) CpMiPi

CpMiPi - Volume - Diferença



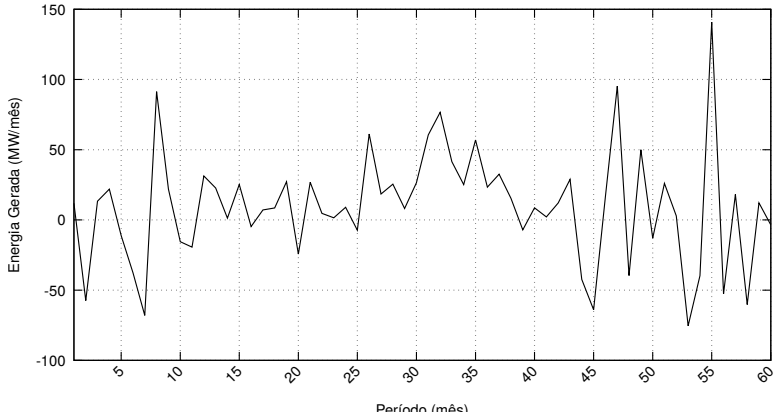
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

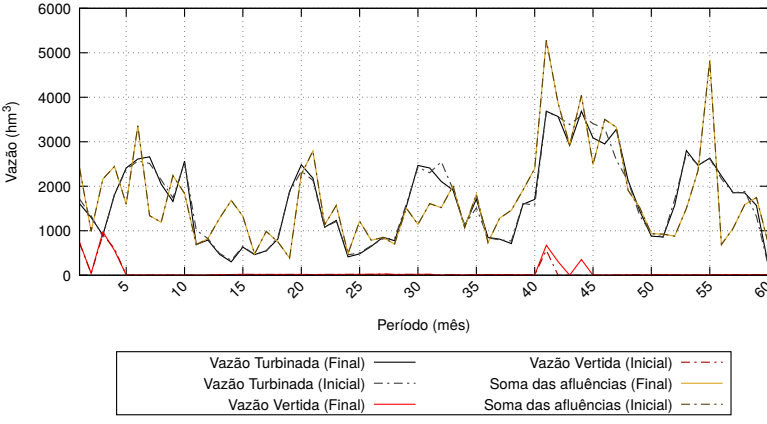
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

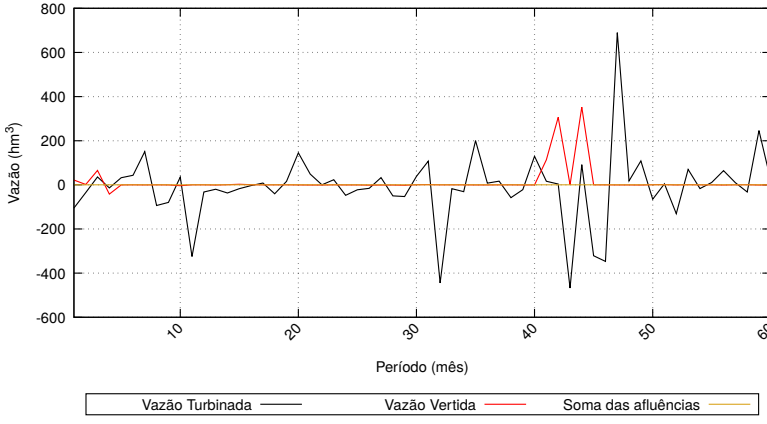
17.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



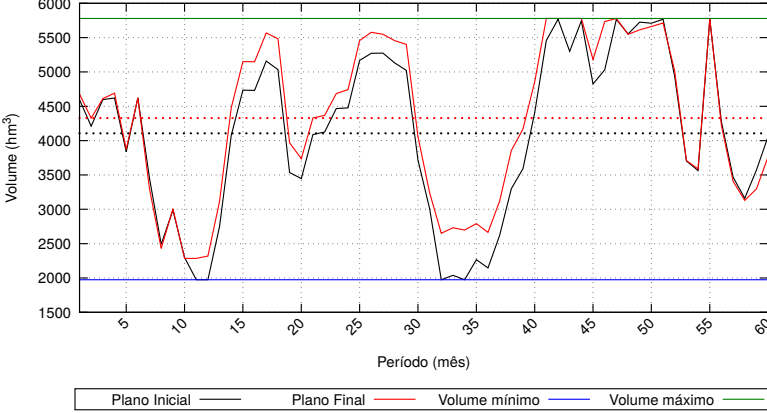
(a) SpPd

SpPd - Vazão - Diferença



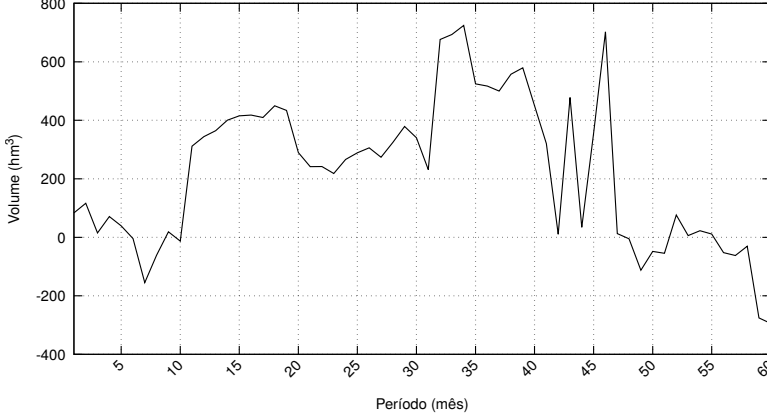
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



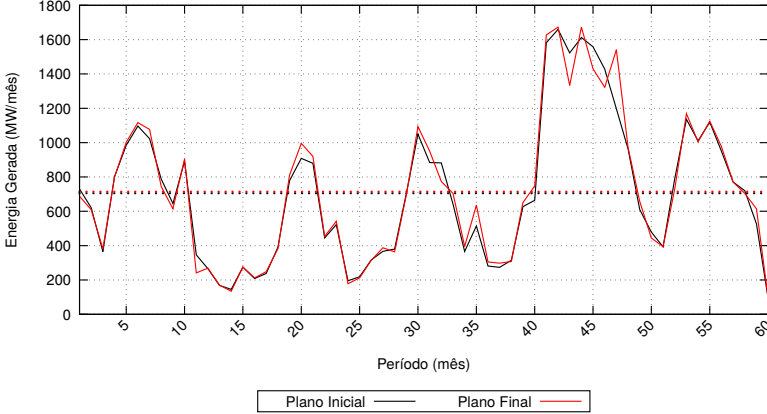
(a) SpPd

SpPd - Volume - Diferença



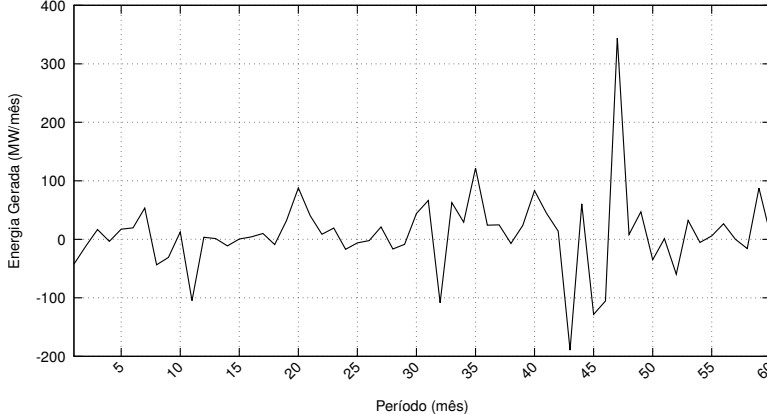
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

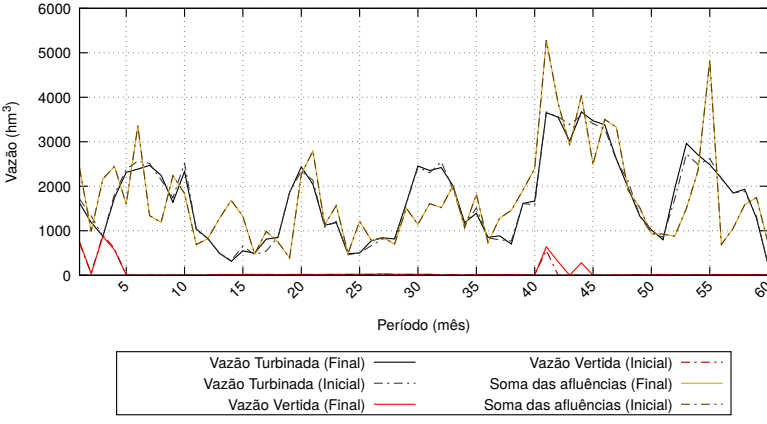
SpPd - Energia Gerada - Diferença



(b) SpPd

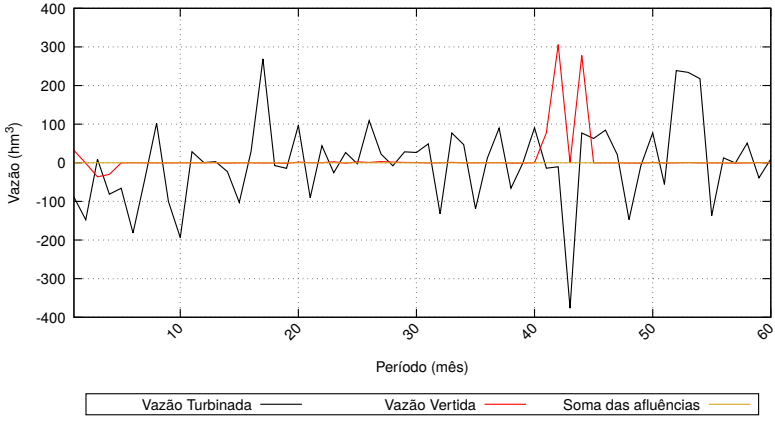
17.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



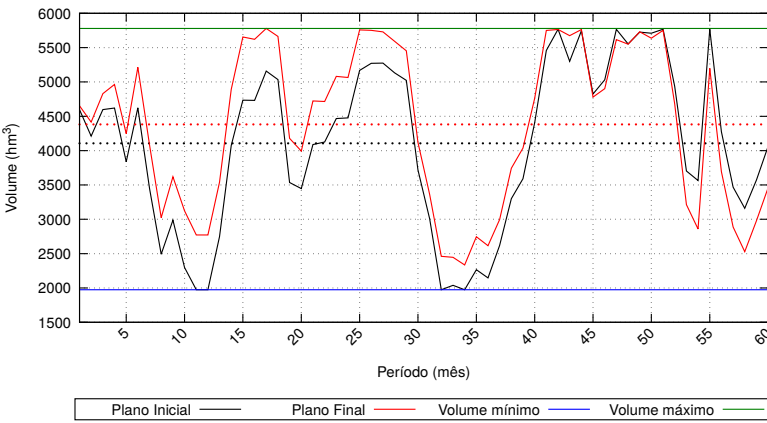
(a) SpPi

SpPi - Vazão - Diferença



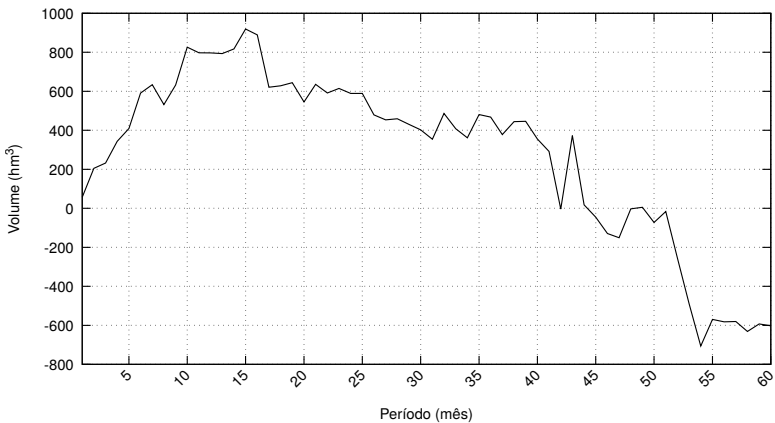
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



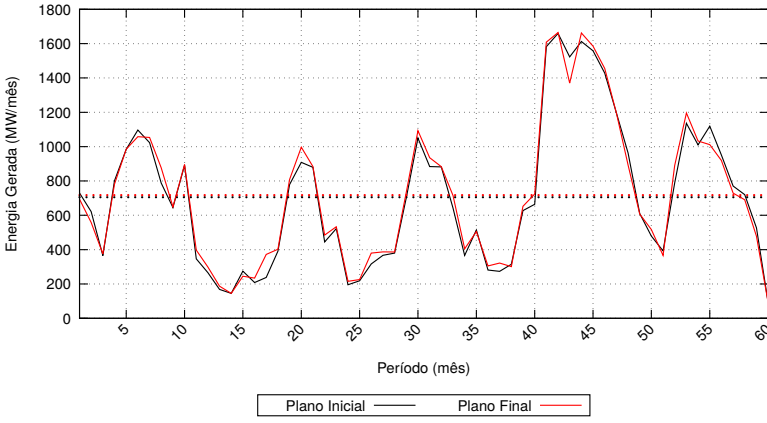
(a) SpPi

SpPi - Volume - Diferença



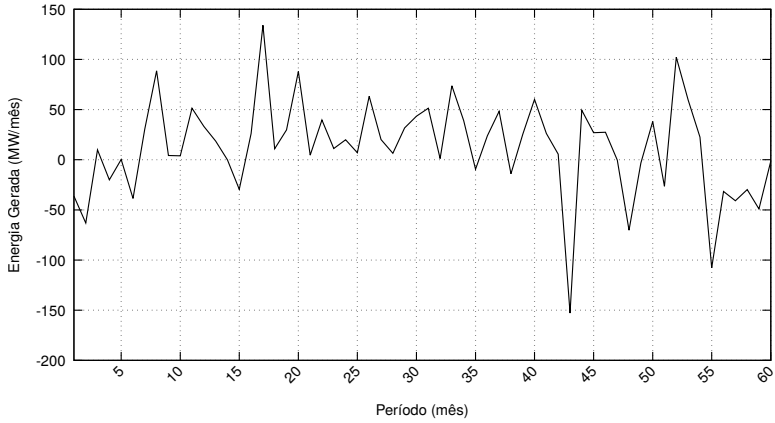
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

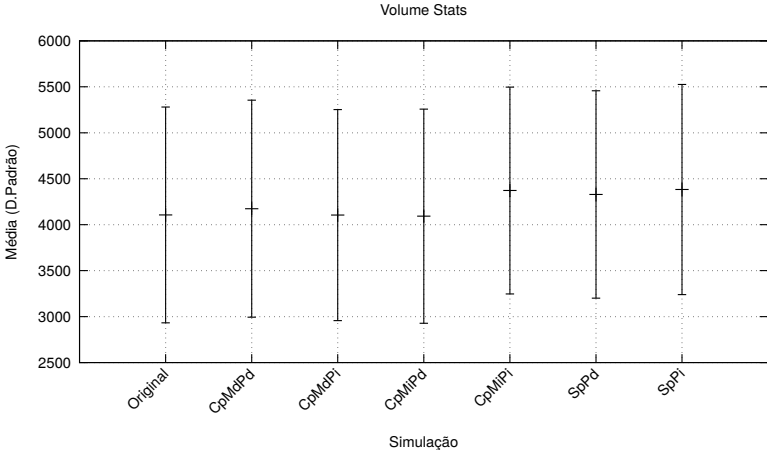
SpPi - Energia Gerada - Diferença



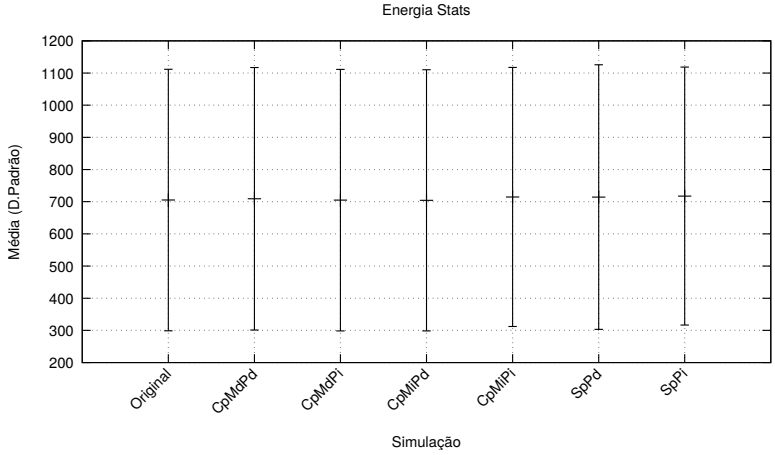
(b) SpPi

Tabela 22: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	4105.79335	1174.15211	705.27728	406.39926
CpMdPd	4174.09403	1180.36432	709.04284	407.93923
CpMdPi	4104.57527	1148.20374	704.94503	406.44191
CpMiPd	4092.56898	1164.83761	704.30769	405.93618
CpMiPi	4371.62871	1124.68282	714.74955	402.58269
SpPd	4328.74565	1128.08312	714.34557	411.25488
SpPi	4382.44210	1142.96032	717.49605	400.88240

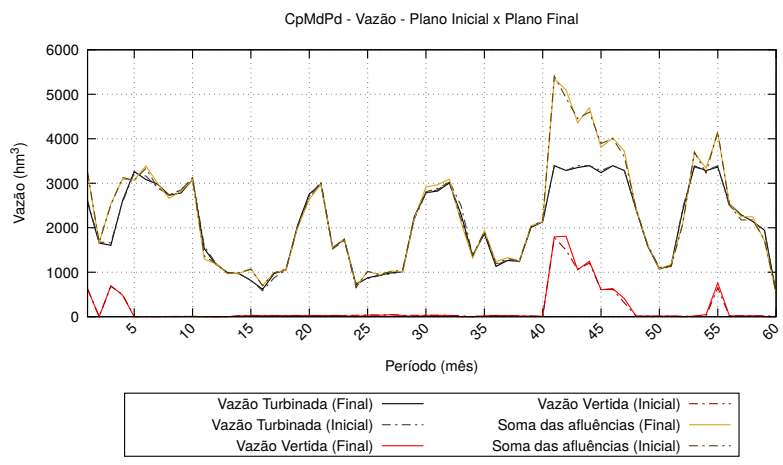


(a) Volume

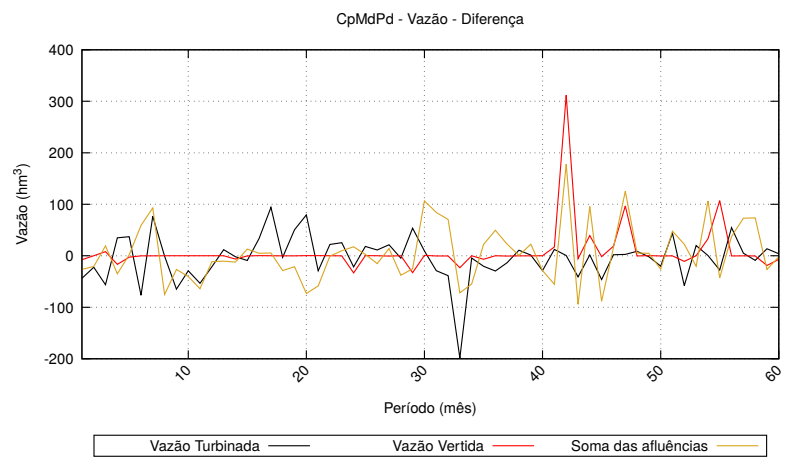


(b) Energia

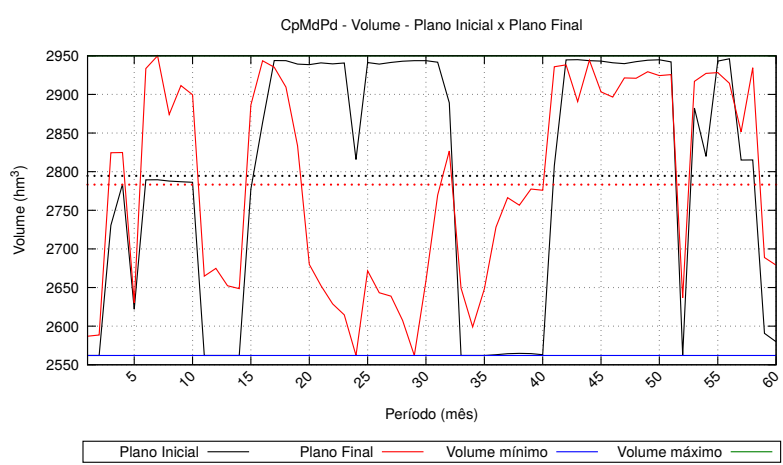
18.1 Resultados - CpMdPd



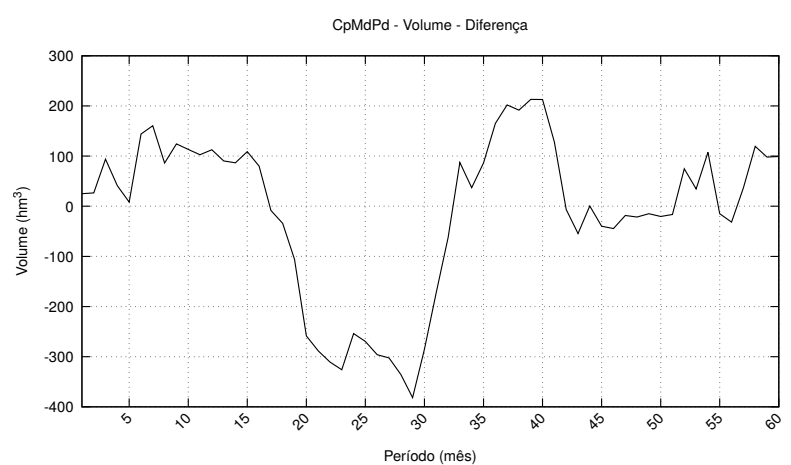
(a) CpMdPd



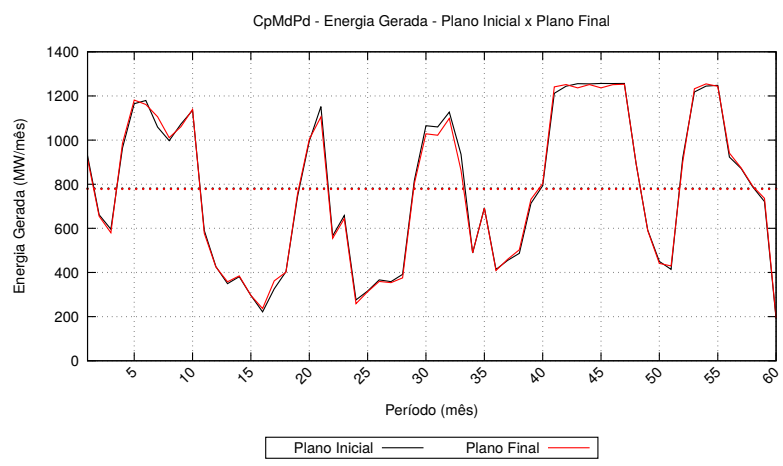
(b) CpMdPd



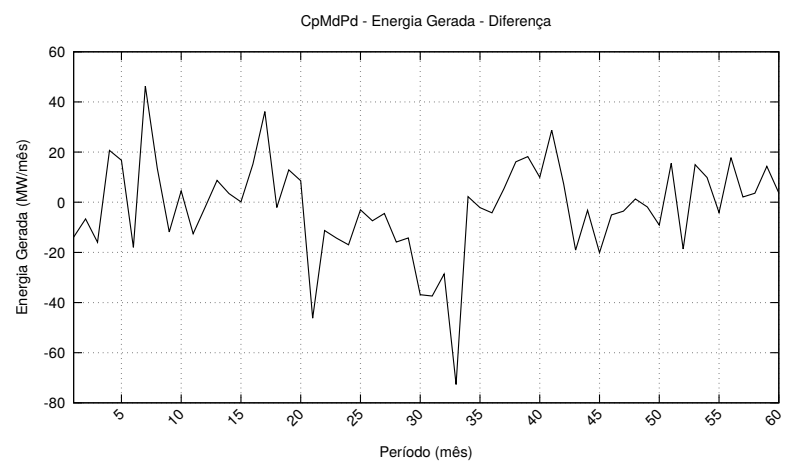
(a) CpMdPd



(b) CpMdPd



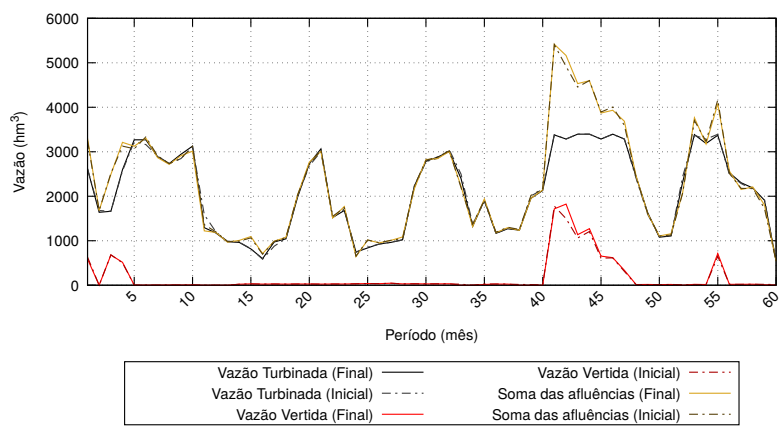
(a) CpMdPd



(b) CpMdPd

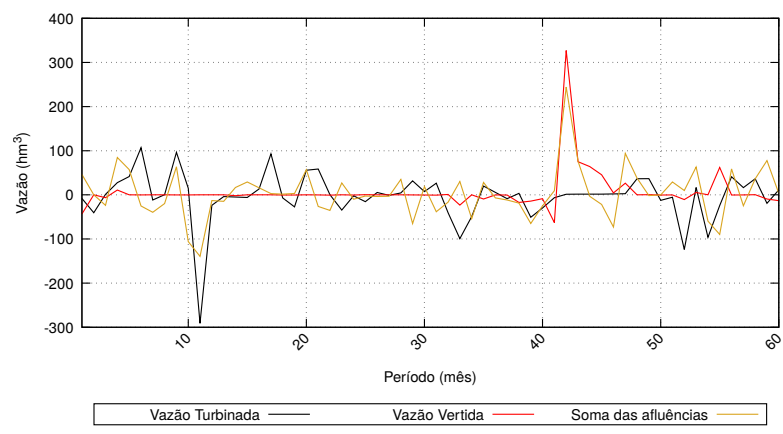
18.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



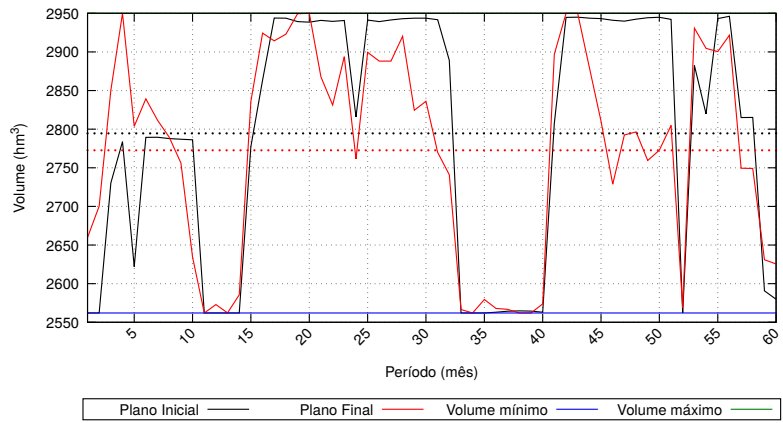
(a) CpMdPi

CpMdPi - Vazão - Diferença



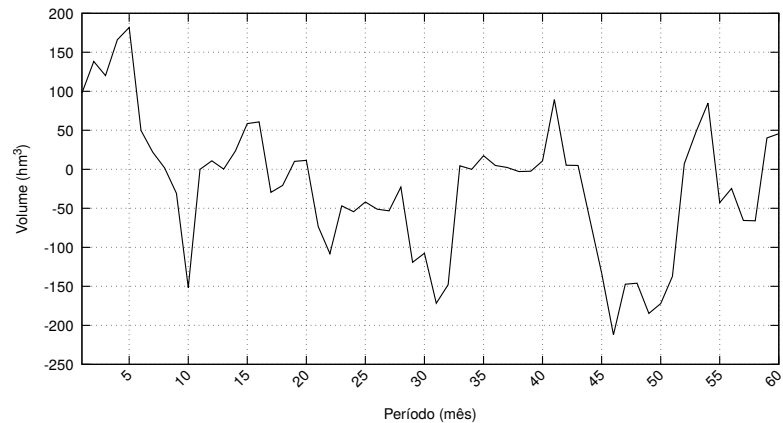
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



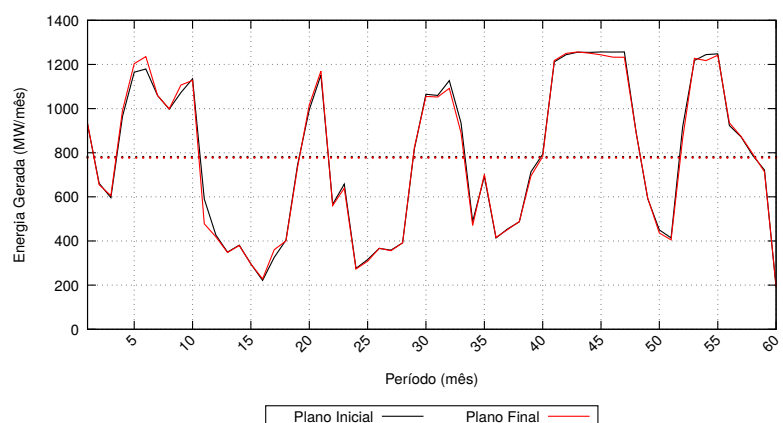
(a) CpMdPi

CpMdPi - Volume - Diferença



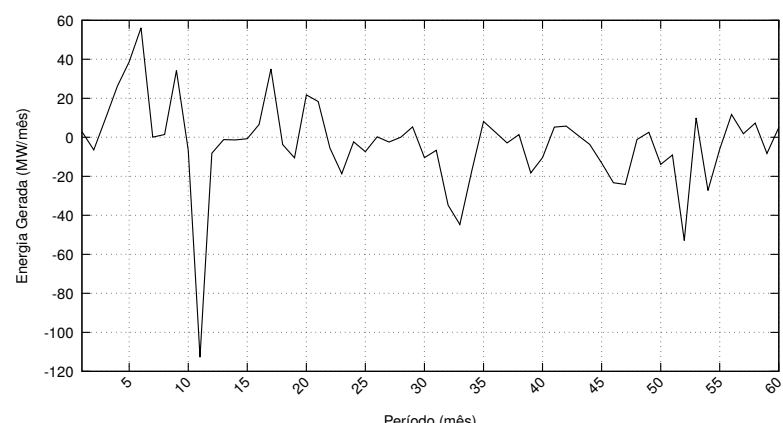
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

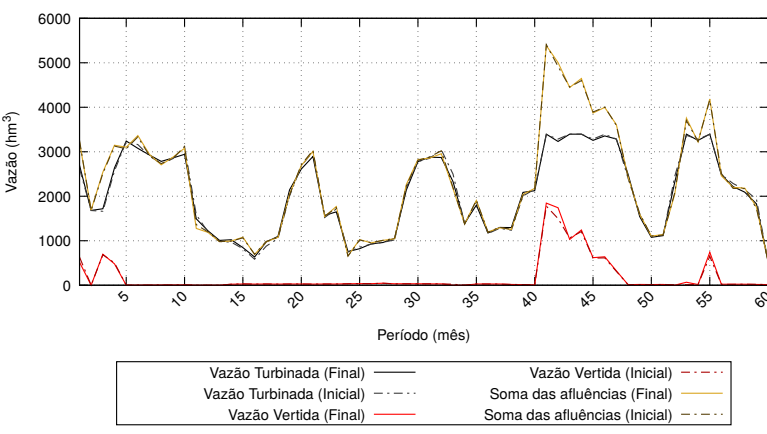
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

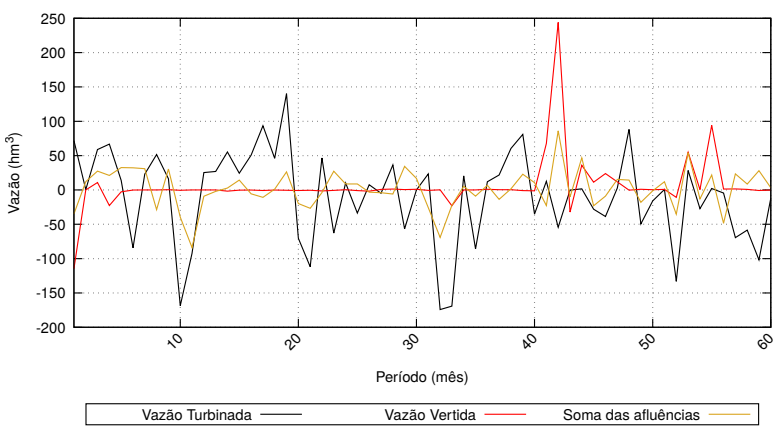
18.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



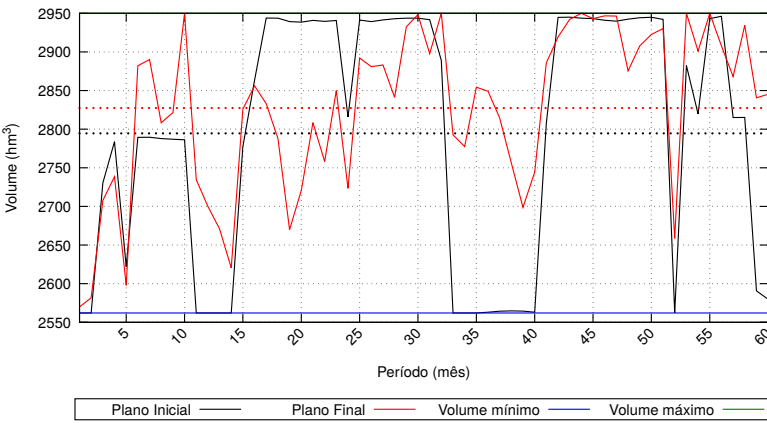
(a) CpMiPd

CpMiPd - Vazão - Diferença



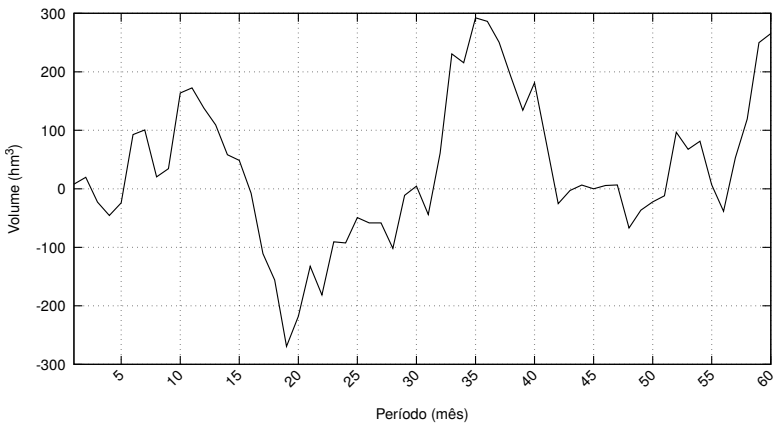
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



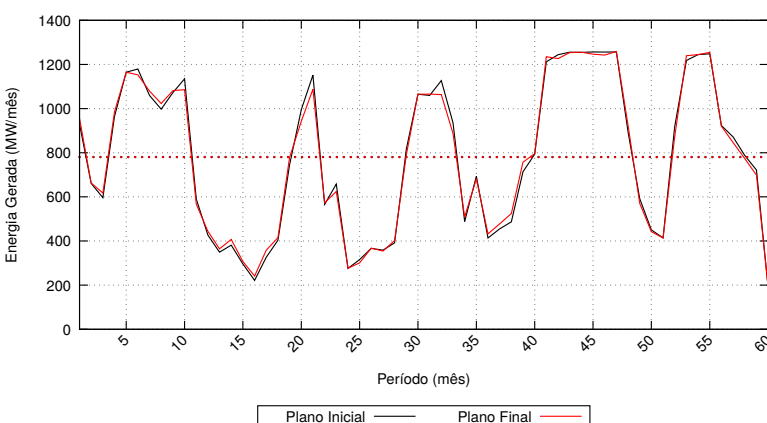
(a) CpMiPd

CpMiPd - Volume - Diferença



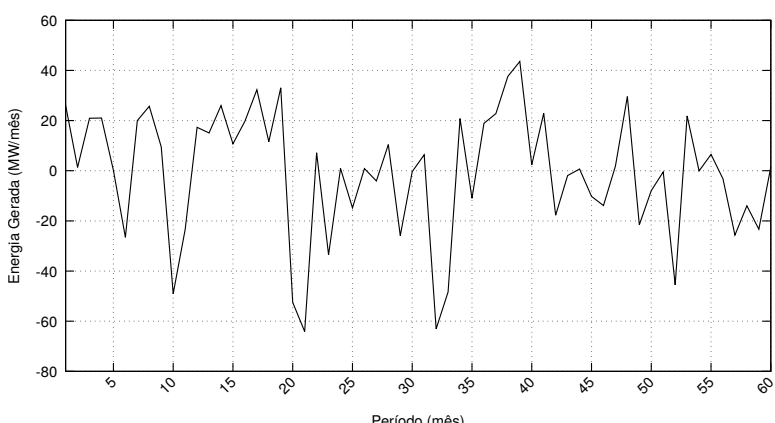
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

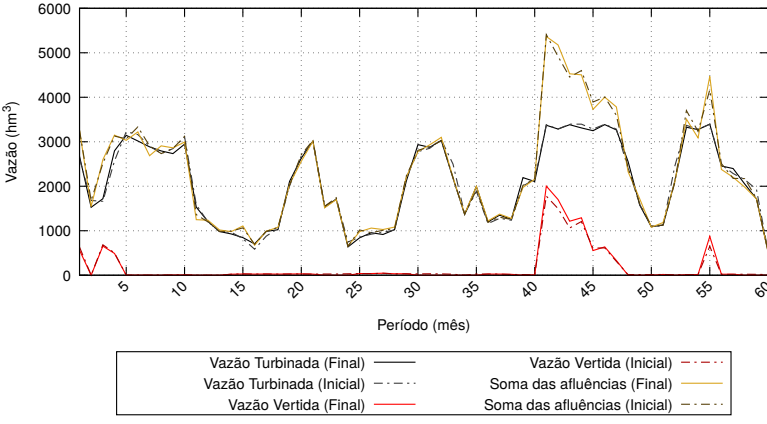
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

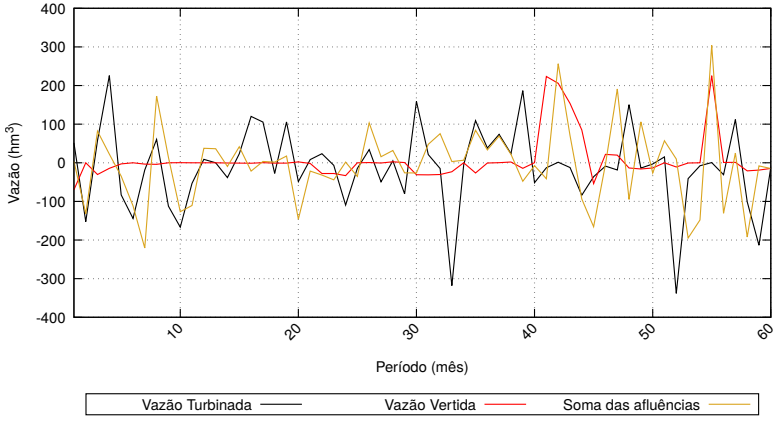
18.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



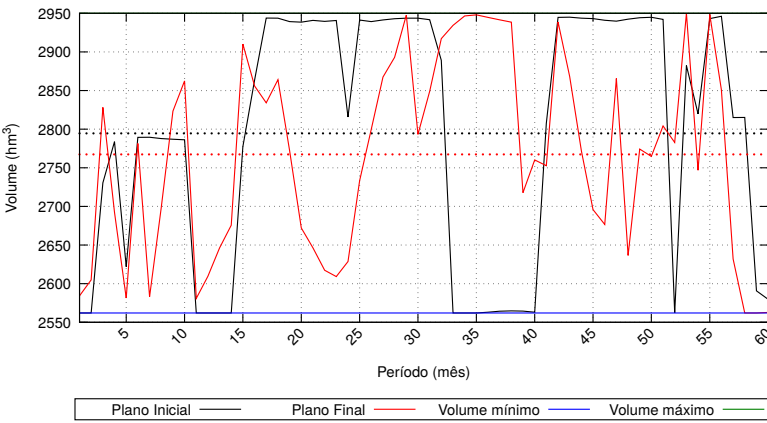
(a) CpMiPi

CpMiPi - Vazão - Diferença



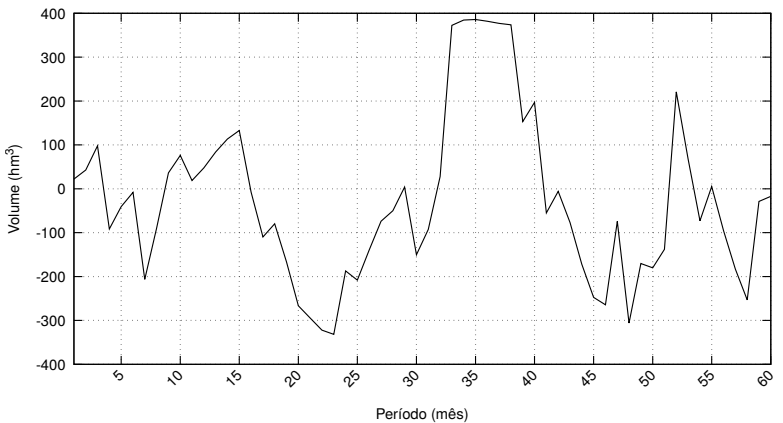
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



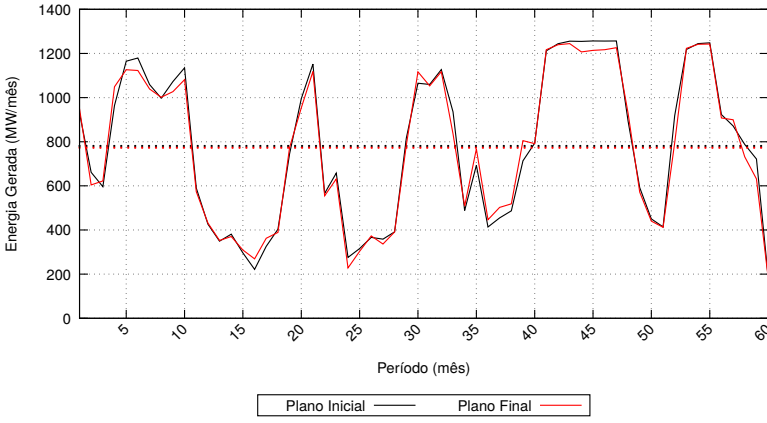
(a) CpMiPi

CpMiPi - Volume - Diferença



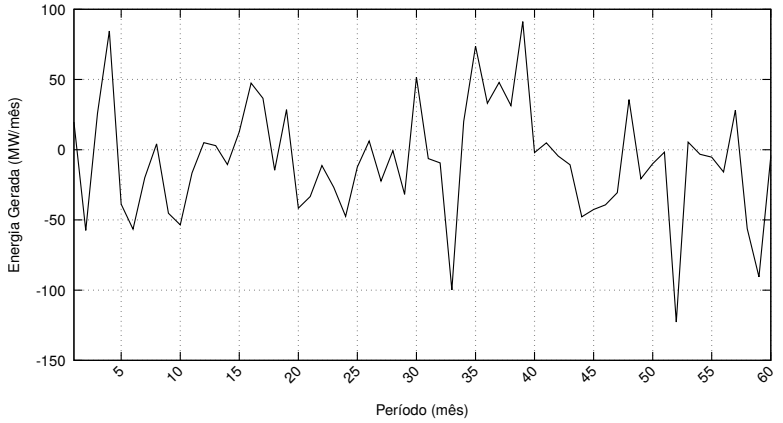
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

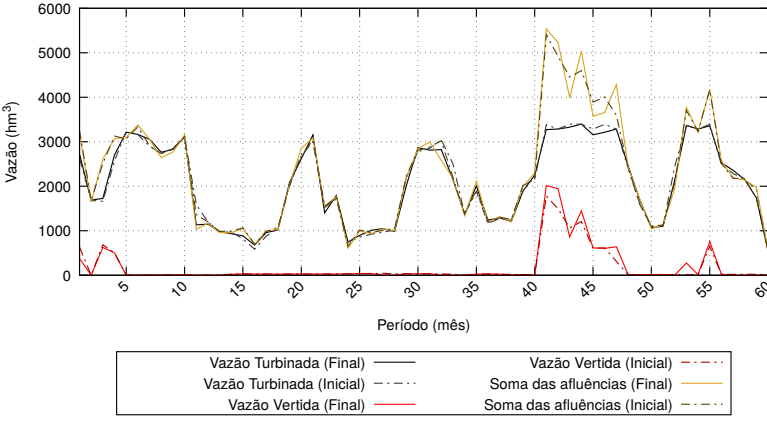
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

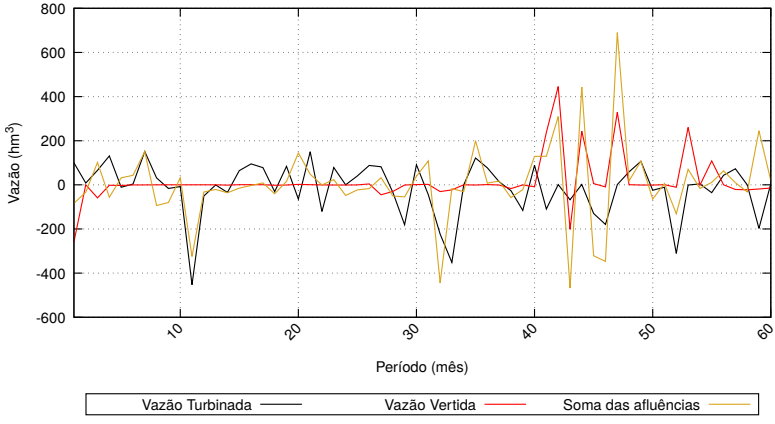
18.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



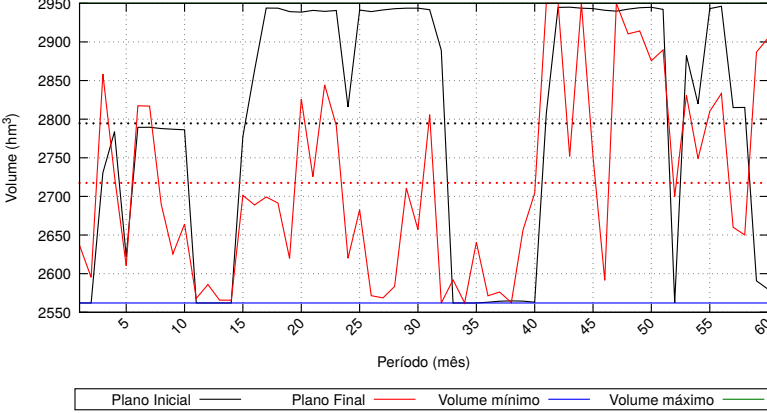
(a) SpPd

SpPd - Vazão - Diferença



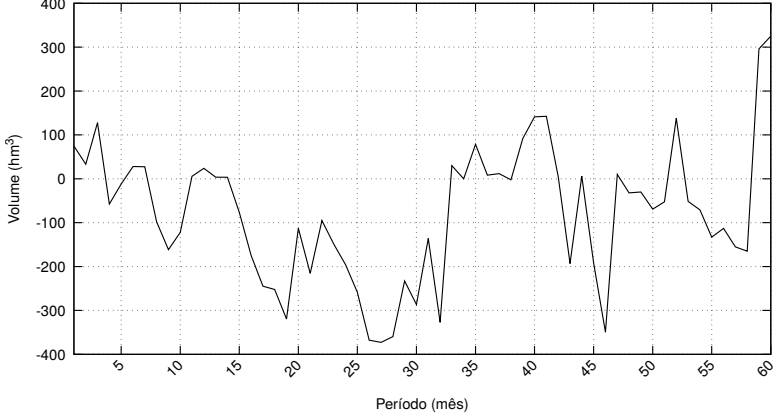
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



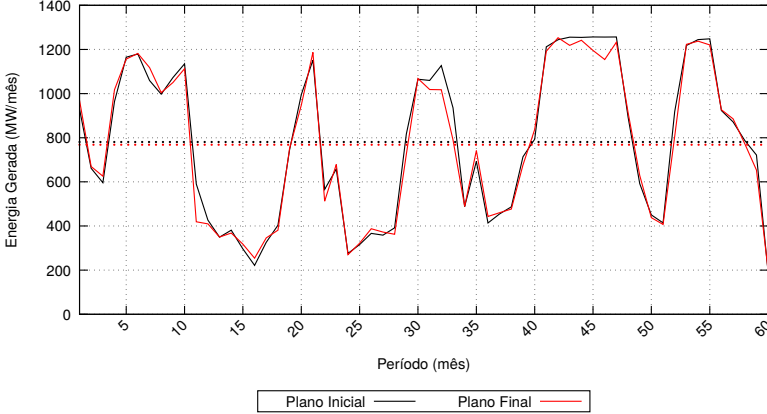
(a) SpPd

SpPd - Volume - Diferença



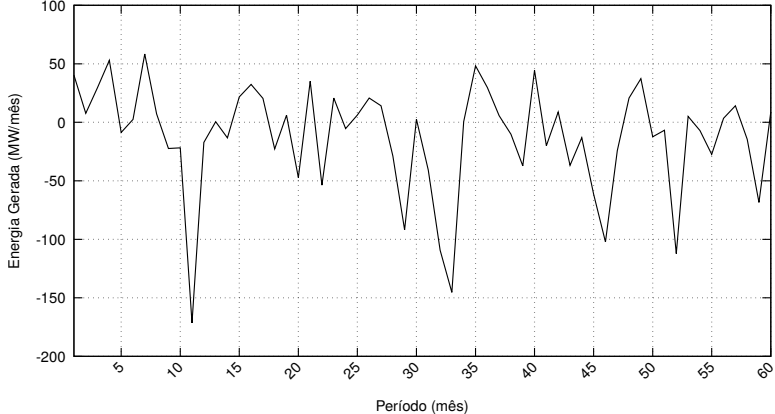
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

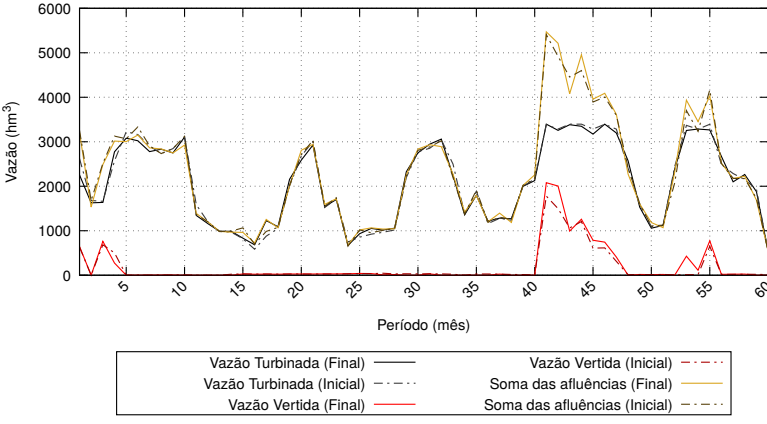
SpPd - Energia Gerada - Diferença



(b) SpPd

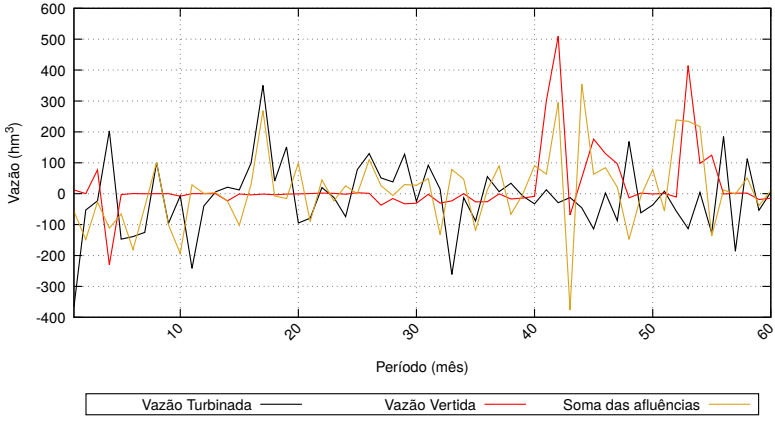
18.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



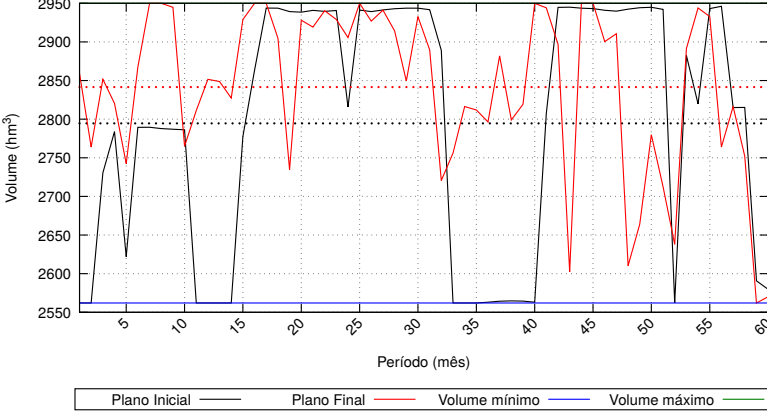
(a) SpPi

SpPi - Vazão - Diferença



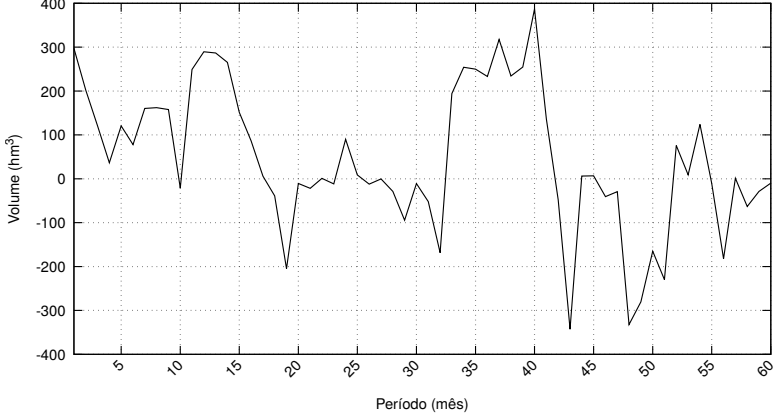
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



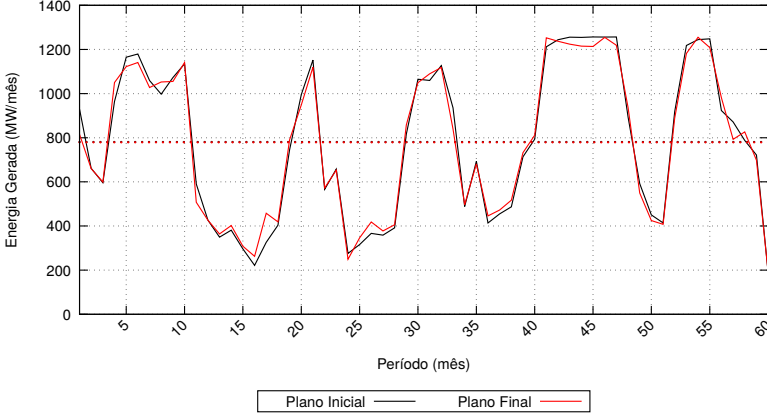
(a) SpPi

SpPi - Volume - Diferença



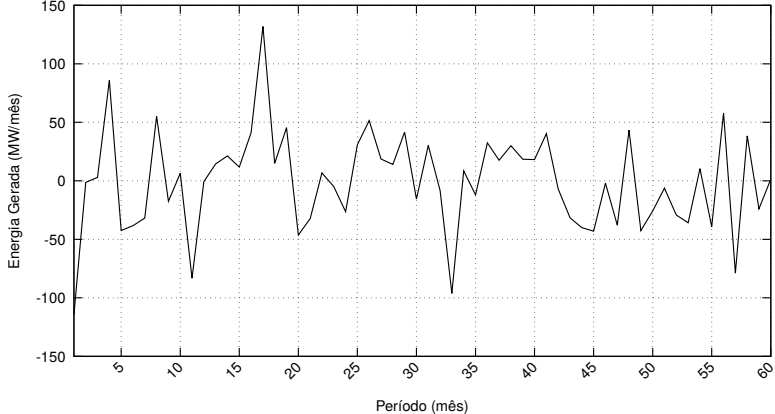
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

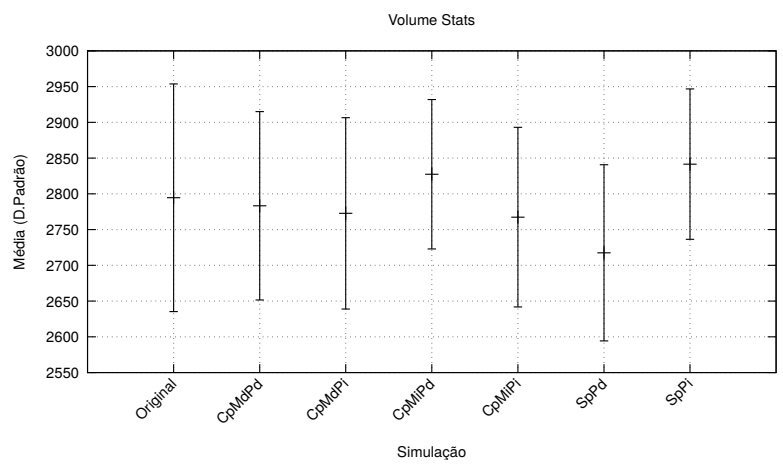
SpPi - Energia Gerada - Diferença



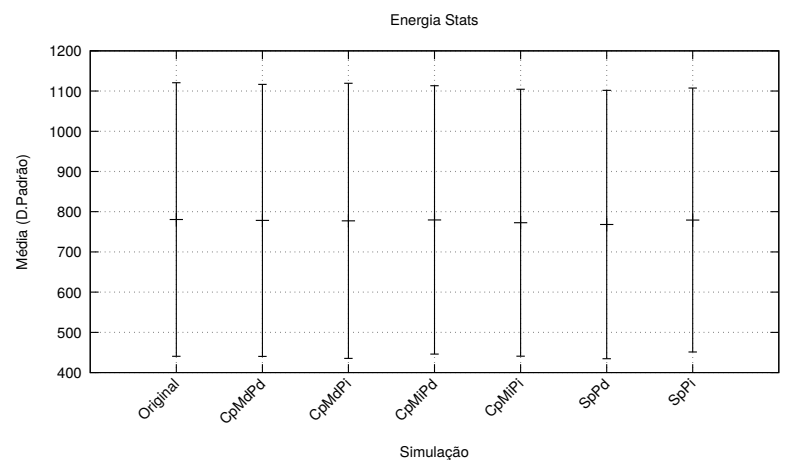
(b) SpPi

Tabela 23: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	2794.55057	159.18413	780.55143	340.13258
CpMdPd	2783.27798	131.76351	778.45824	338.14184
CpMdPi	2772.68137	133.84248	777.26523	341.98397
CpMiPd	2827.43192	104.49037	779.63324	333.55728
CpMiPi	2767.35510	125.60642	772.75156	331.89202
SpPd	2717.52254	123.25056	768.09471	333.58652
SpPi	2841.52893	105.19291	779.32816	328.15277

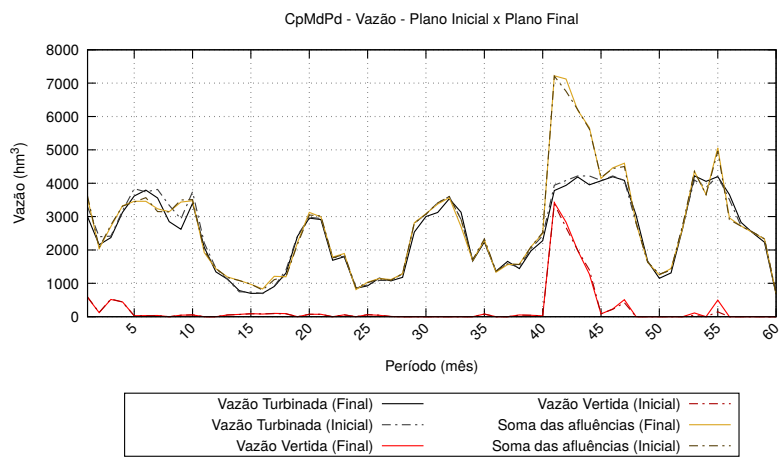


(a) Volume

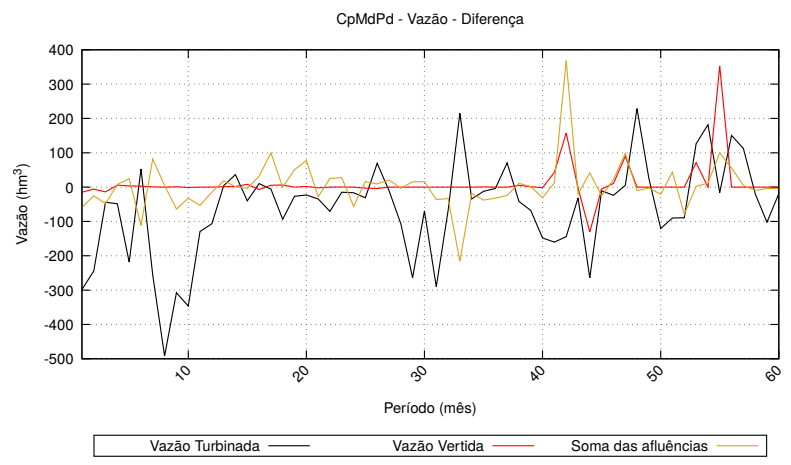


(b) Energia

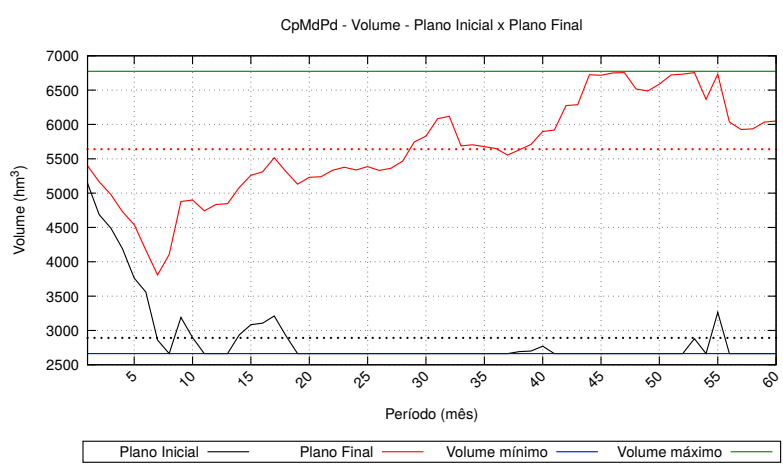
19.1 Resultados - CpMdpd



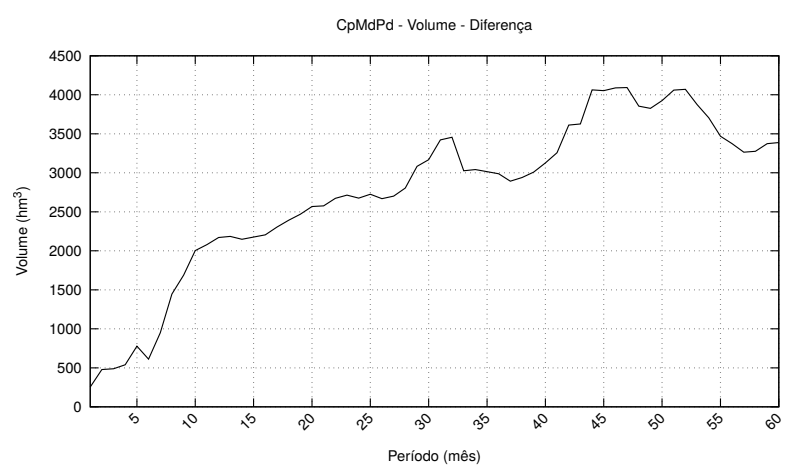
(a) CpMdpd



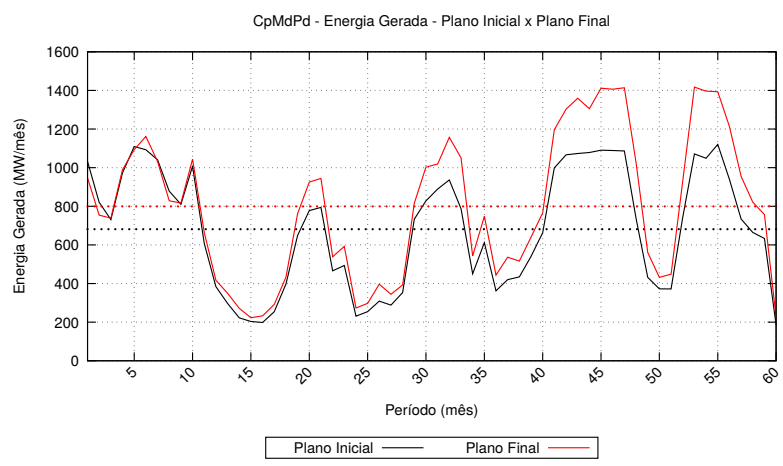
(b) CpMdpd



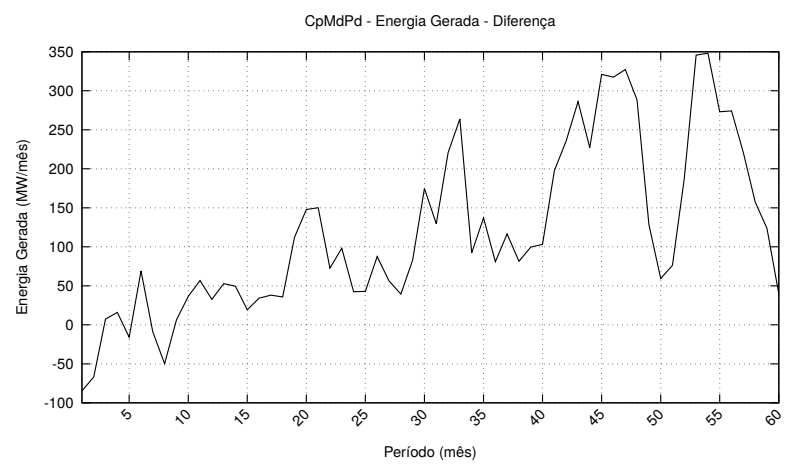
(a) CpMdpd



(b) CpMdpd



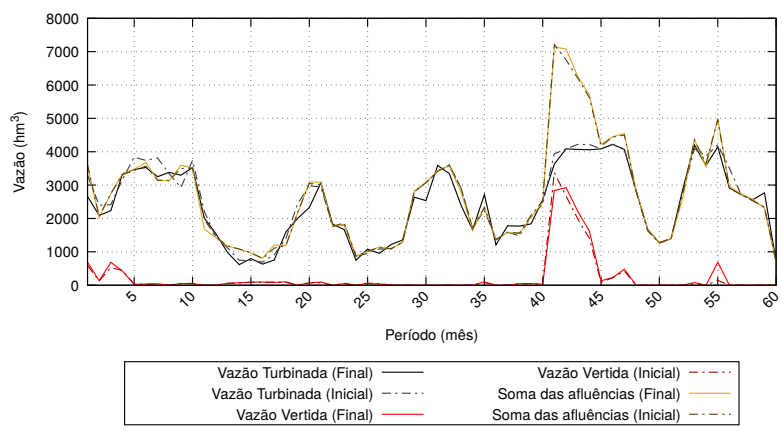
(a) CpMdpd



(b) CpMdpd

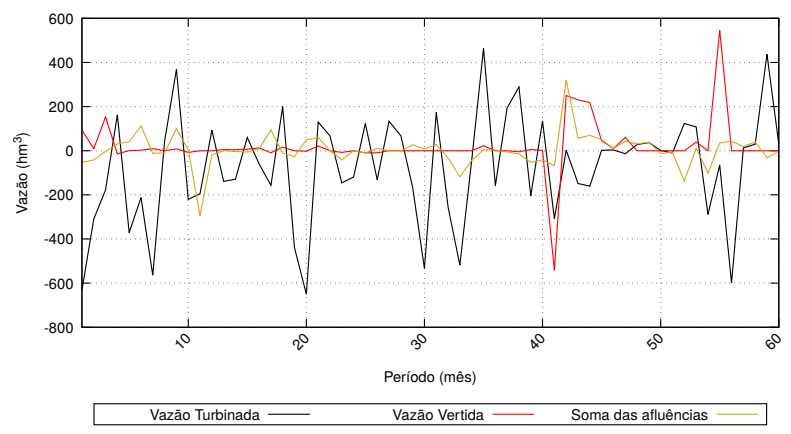
19.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



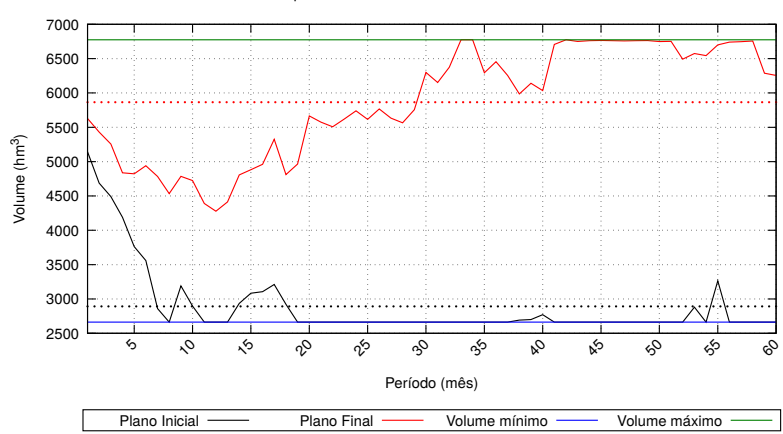
(a) CpMdPi

CpMdPi - Vazão - Diferença



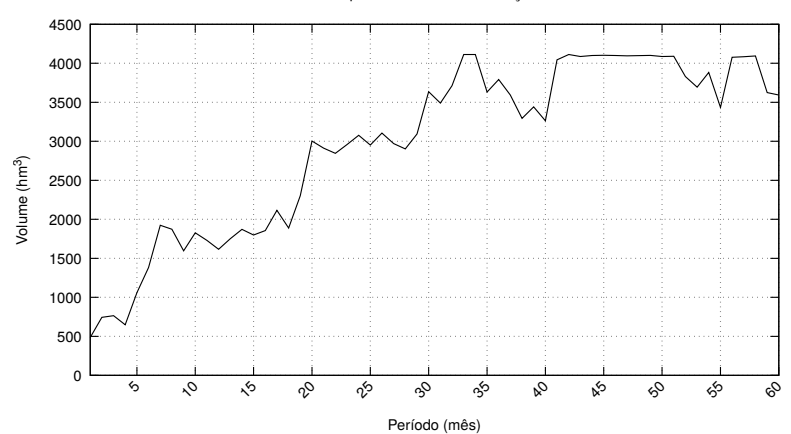
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



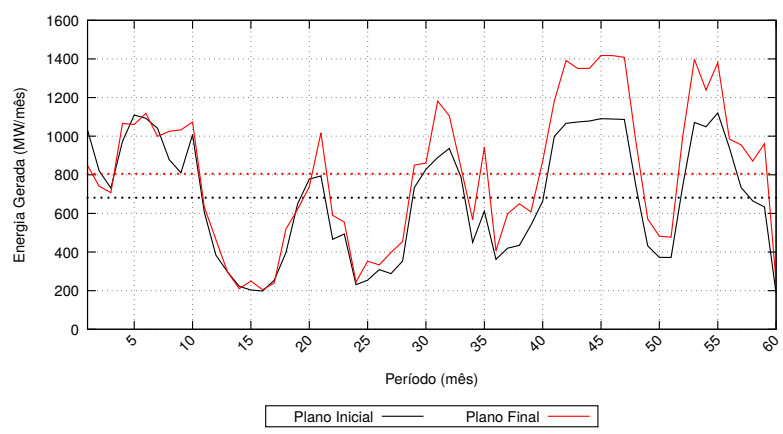
(a) CpMdPi

CpMdPi - Volume - Diferença



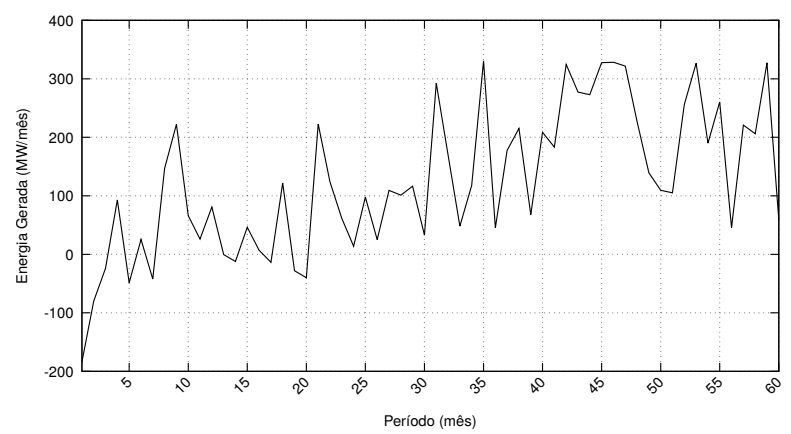
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

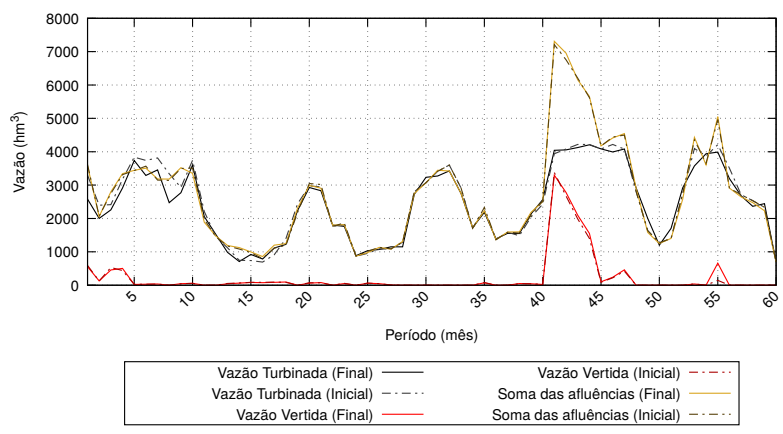
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

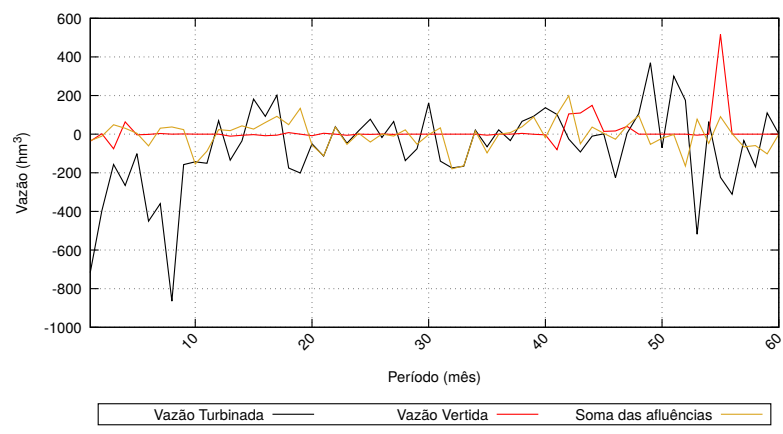
19.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



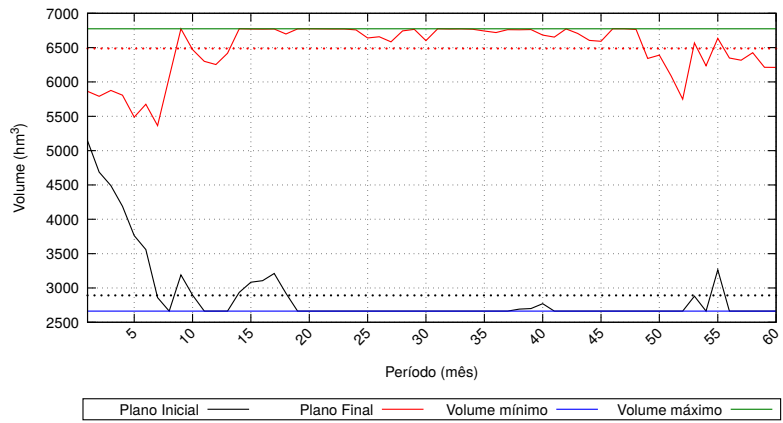
(a) CpMiPd

CpMiPd - Vazão - Diferença



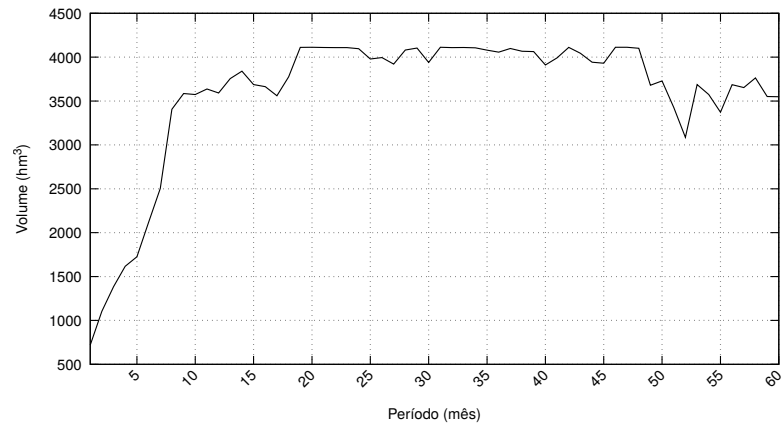
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



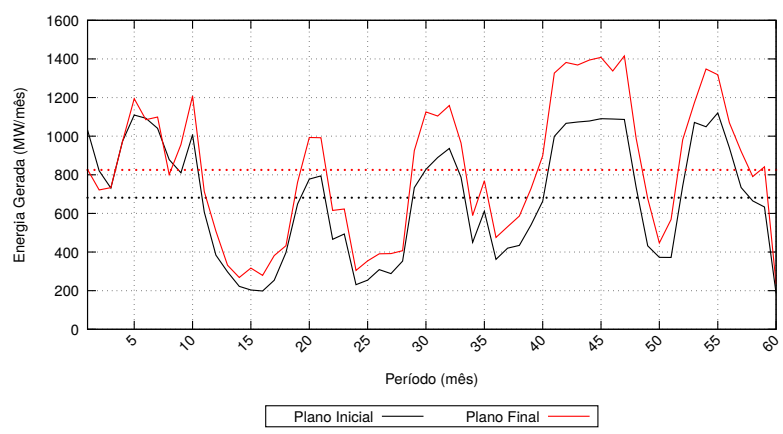
(a) CpMiPd

CpMiPd - Volume - Diferença



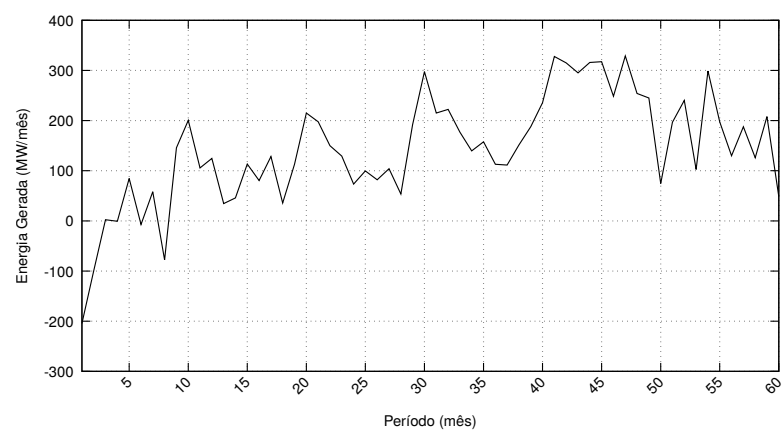
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

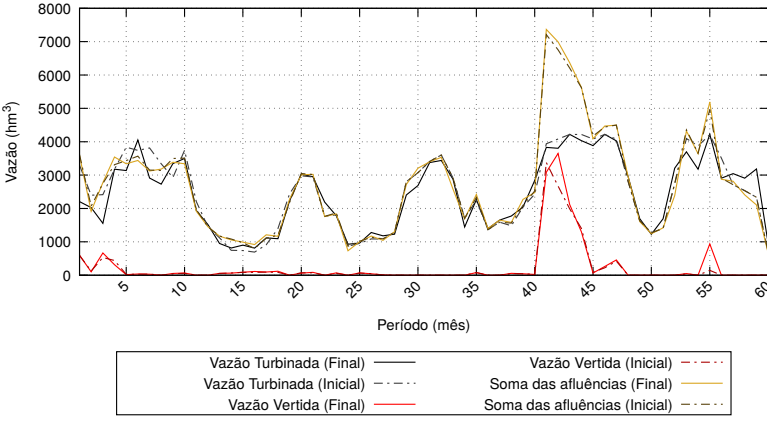
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

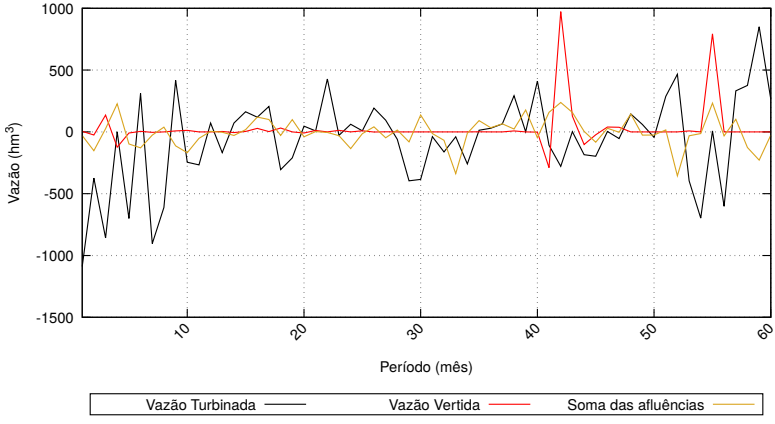
19.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



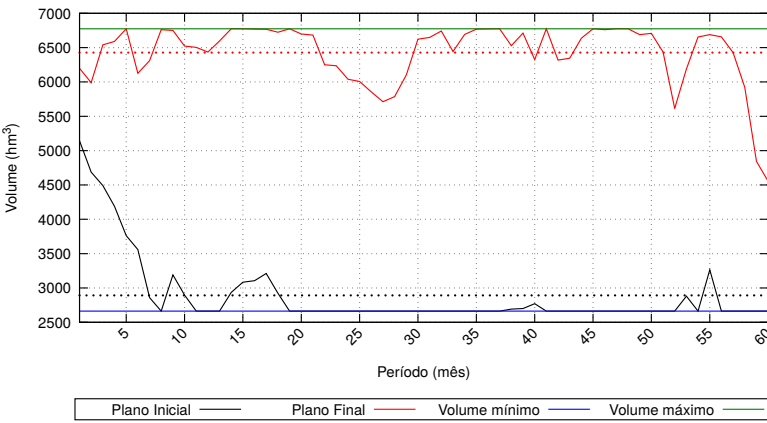
(a) CpMiPi

CpMiPi - Vazão - Diferença



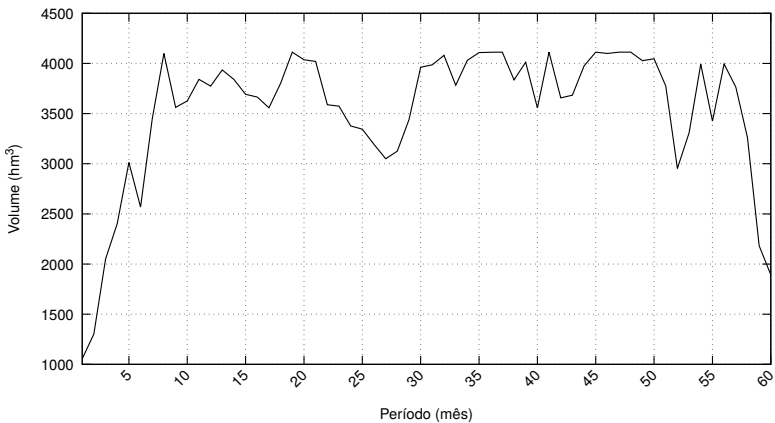
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



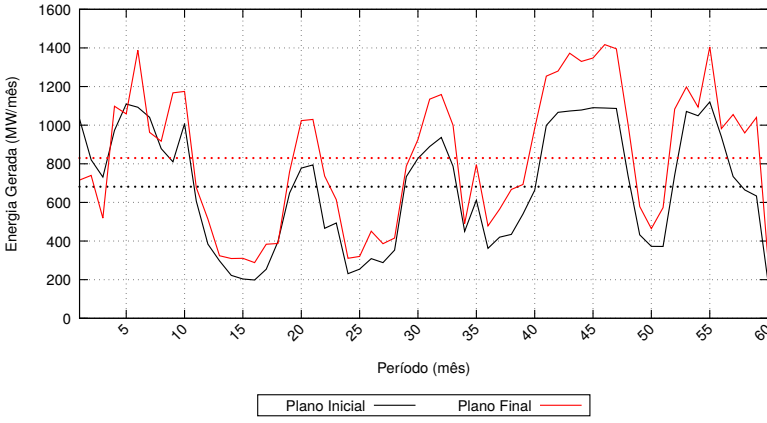
(a) CpMiPi

CpMiPi - Volume - Diferença



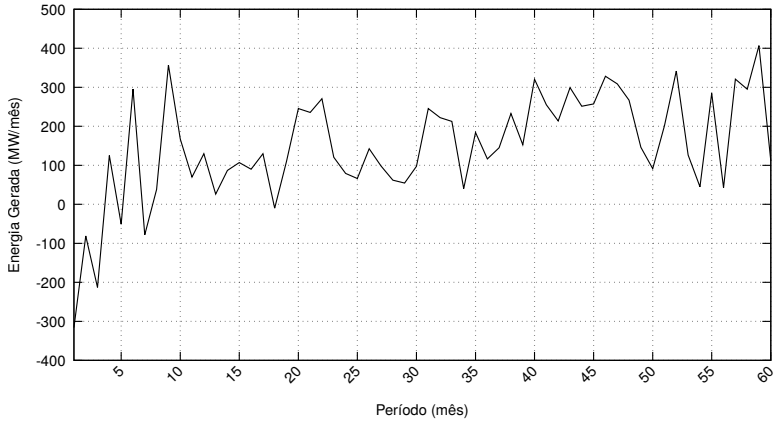
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

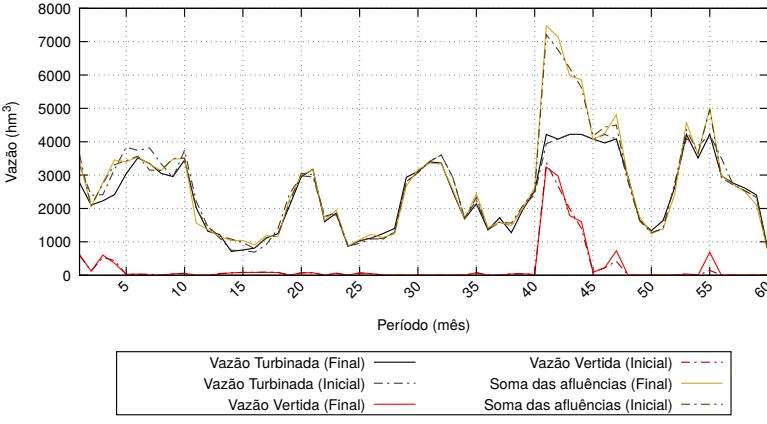
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

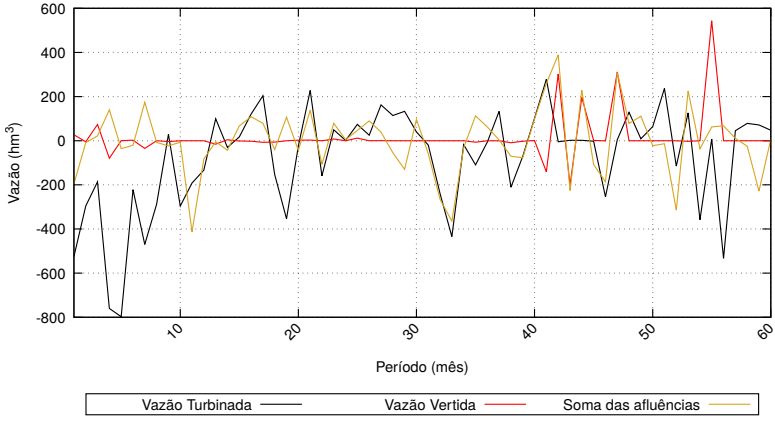
19.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



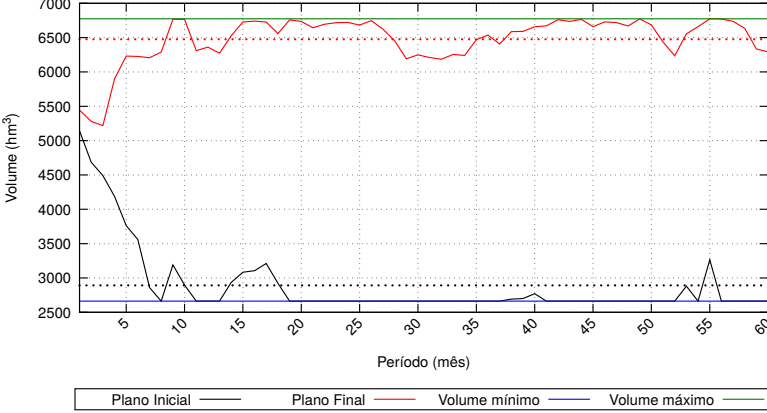
(a) SpPd

SpPd - Vazão - Diferença



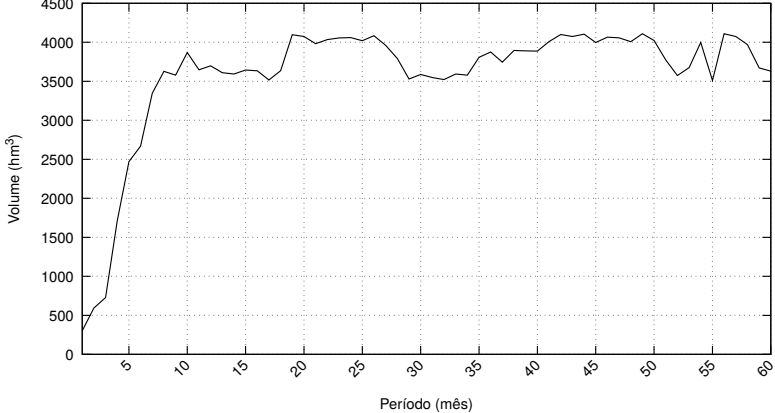
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



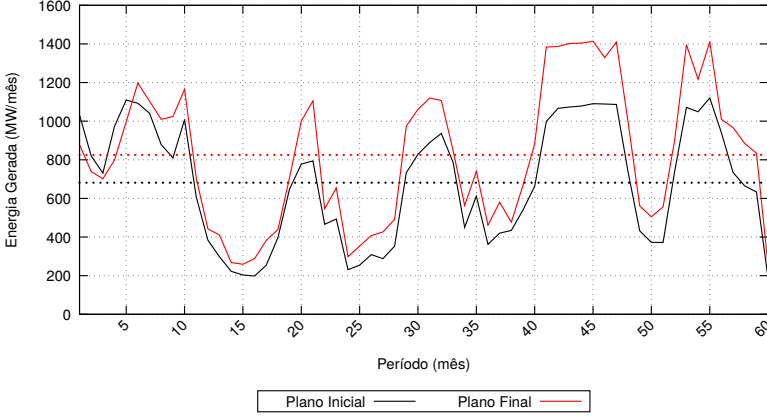
(a) SpPd

SpPd - Volume - Diferença



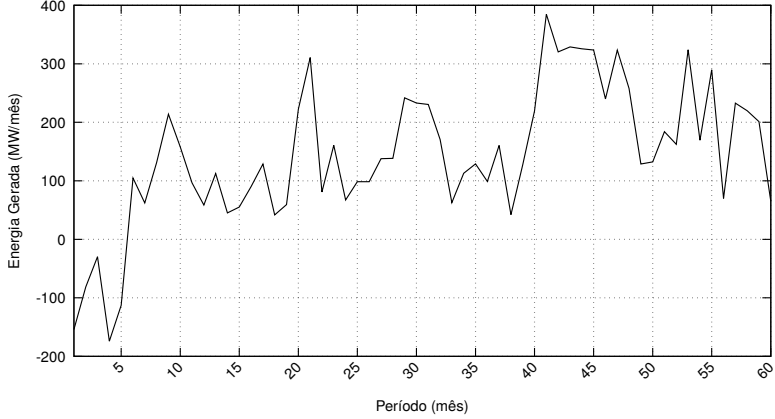
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

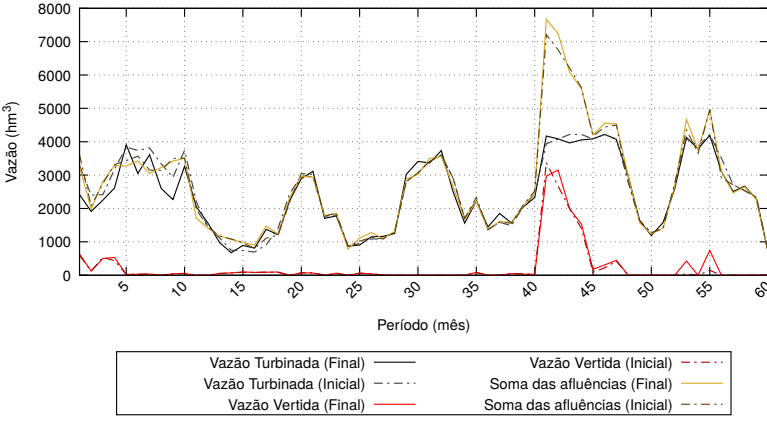
SpPd - Energia Gerada - Diferença



(b) SpPd

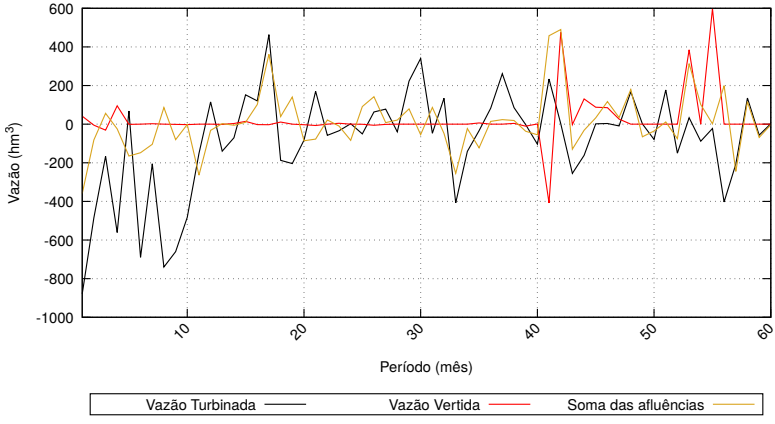
19.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



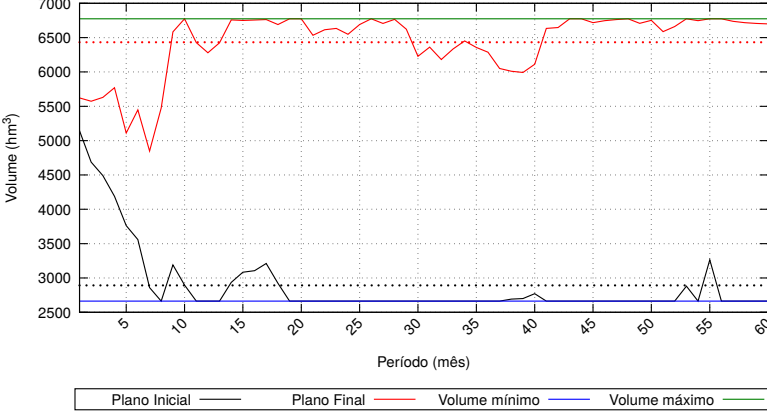
(a) SpPi

SpPi - Vazão - Diferença



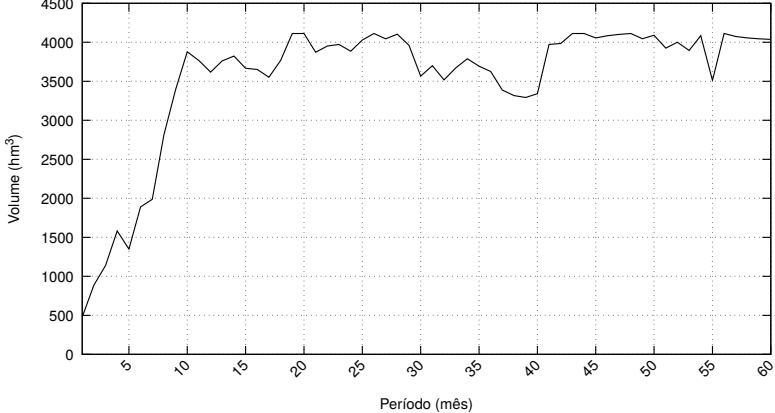
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



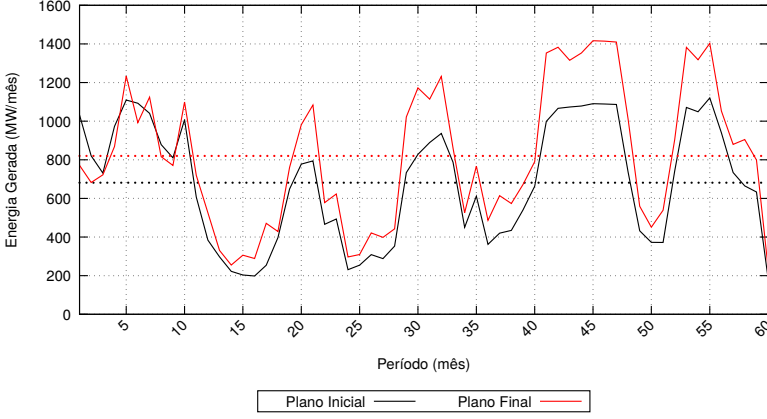
(a) SpPi

SpPi - Volume - Diferença



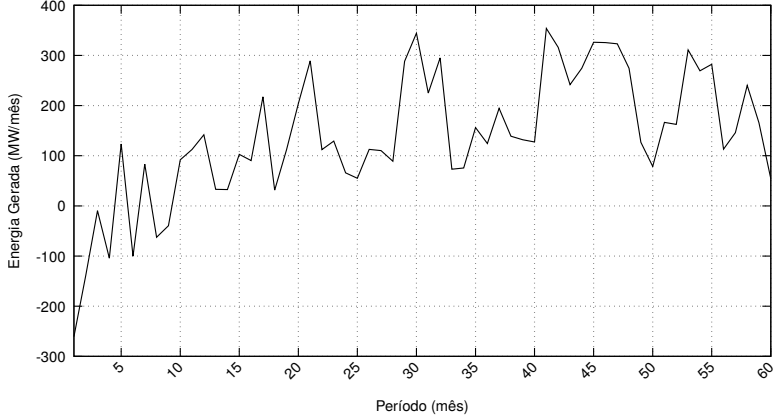
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

SpPi - Energia Gerada - Diferença

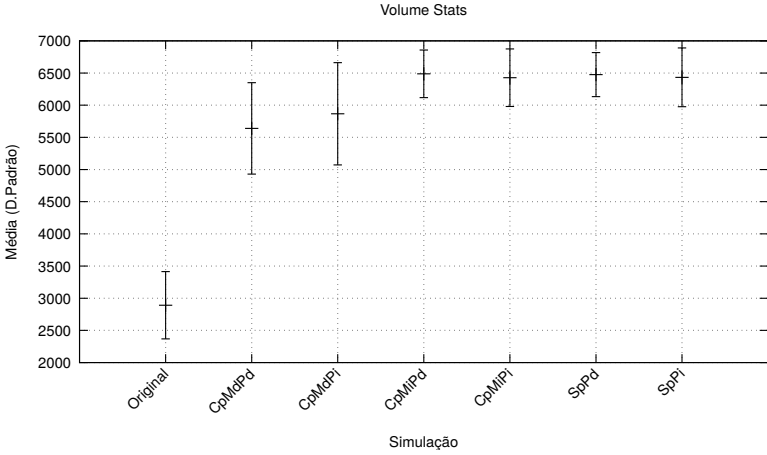


(b) SpPi

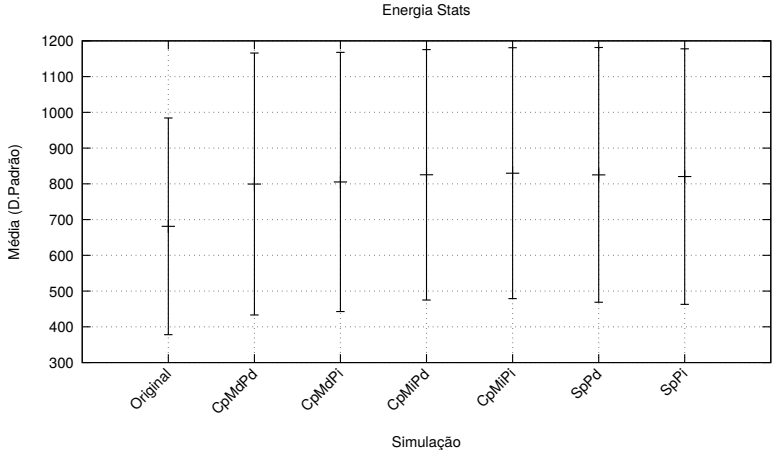
19.7 GPlan Stats

Tabela 24: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	2891.41124	522.99527	681.13310	303.05584
CpMdPd	5639.51754	710.35774	799.40250	366.42508
CpMdPi	5865.98654	794.94622	805.26822	362.39610
CpMiPd	6487.30267	369.83310	825.24823	350.34613
CpMiPi	6427.50460	447.60997	829.84512	350.97158
SpPd	6475.41777	342.86613	825.03813	356.45086
SpPi	6432.94527	456.97617	820.32725	357.34030

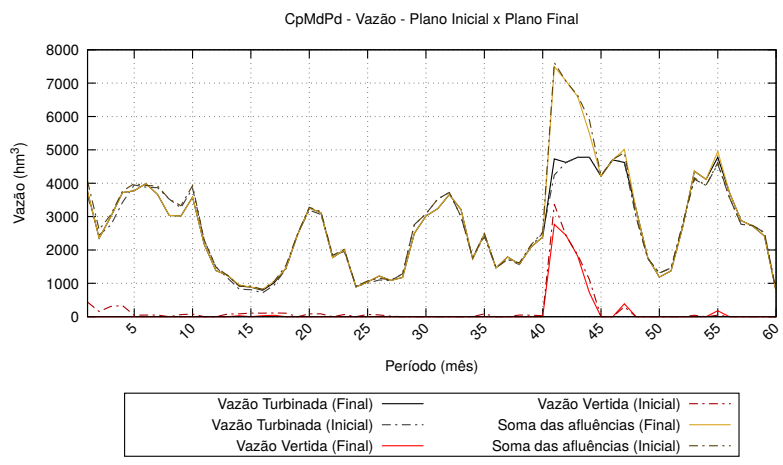


(a) Volume

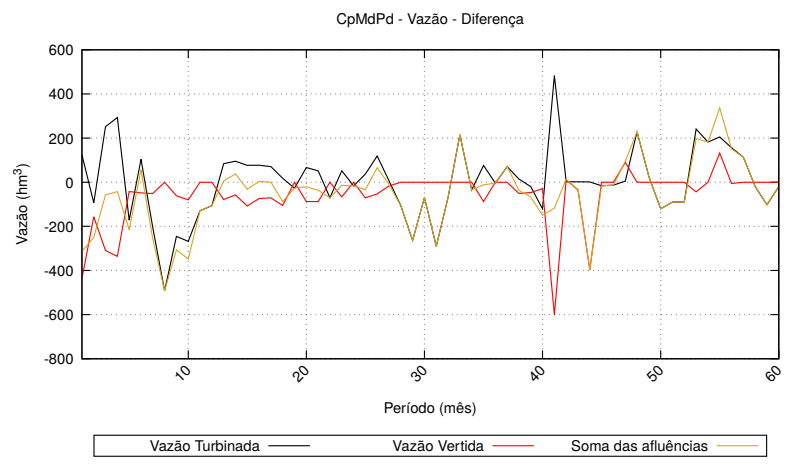


(b) Energia

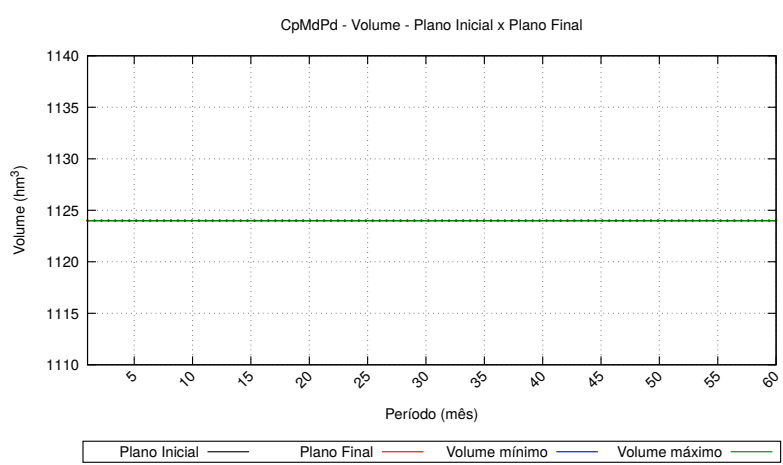
20.1 Resultados - CpMdPd



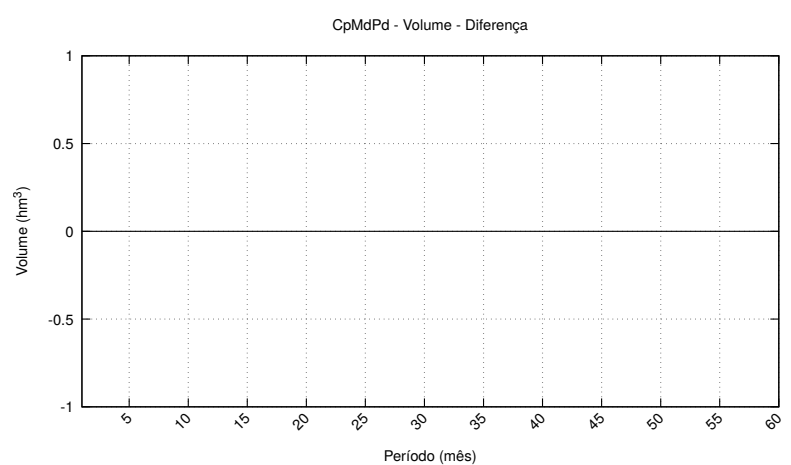
(a) CpMdPd



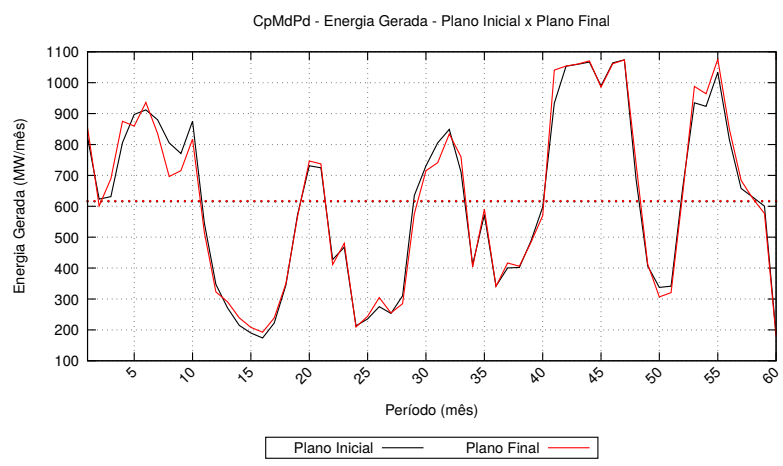
(b) CpMdPd



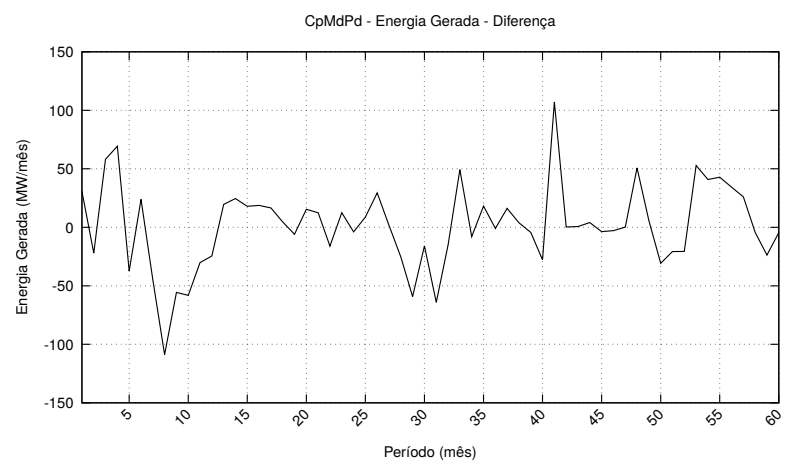
(a) CpMdPd



(b) CpMdPd



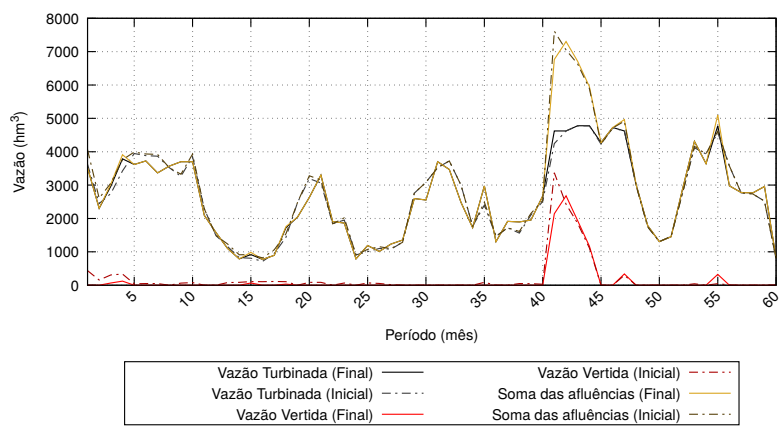
(a) CpMdPd



(b) CpMdPd

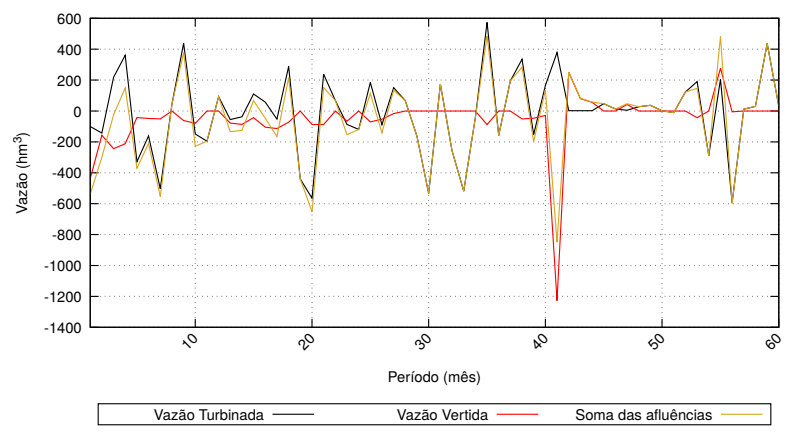
20.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



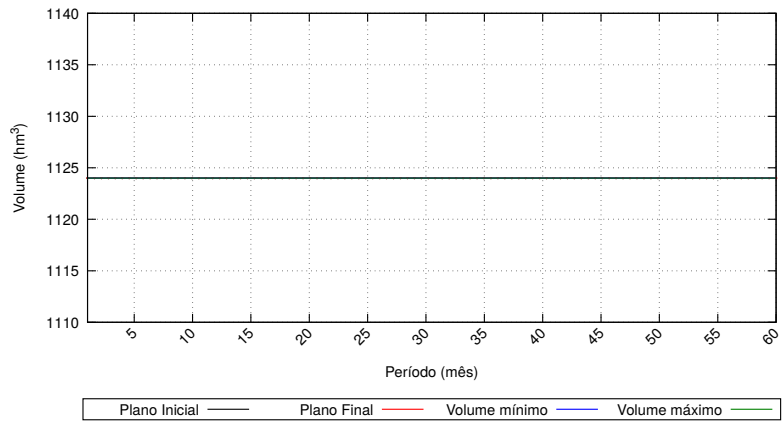
(a) CpMdPi

CpMdPi - Vazão - Diferença



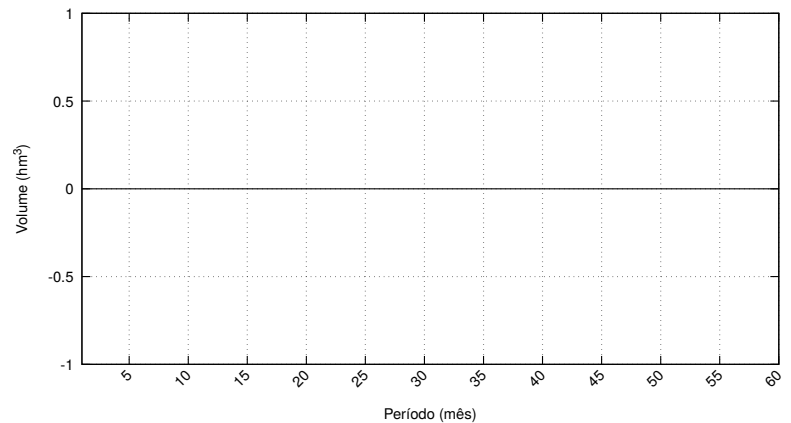
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



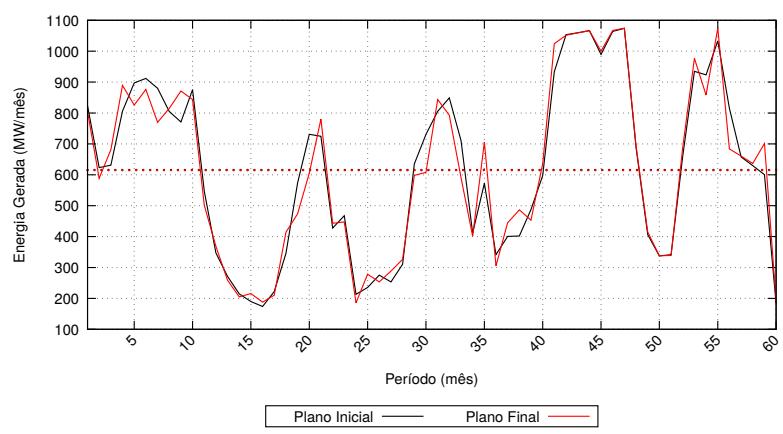
(a) CpMdPi

CpMdPi - Volume - Diferença



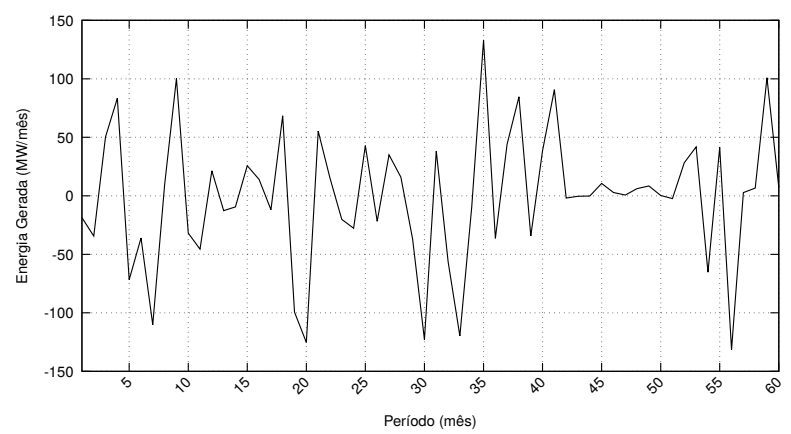
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

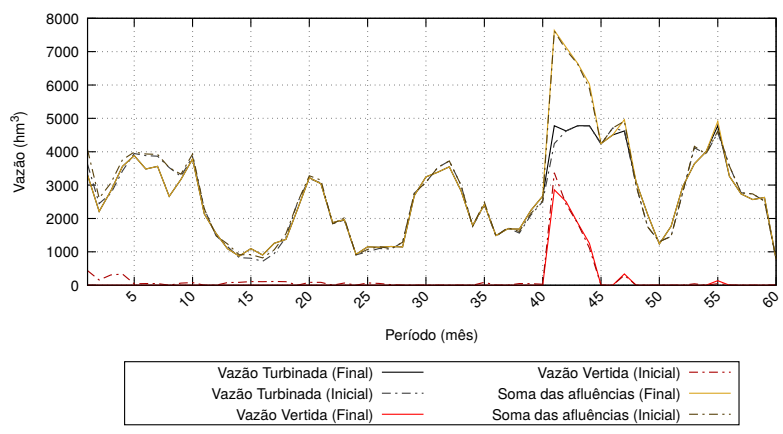
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

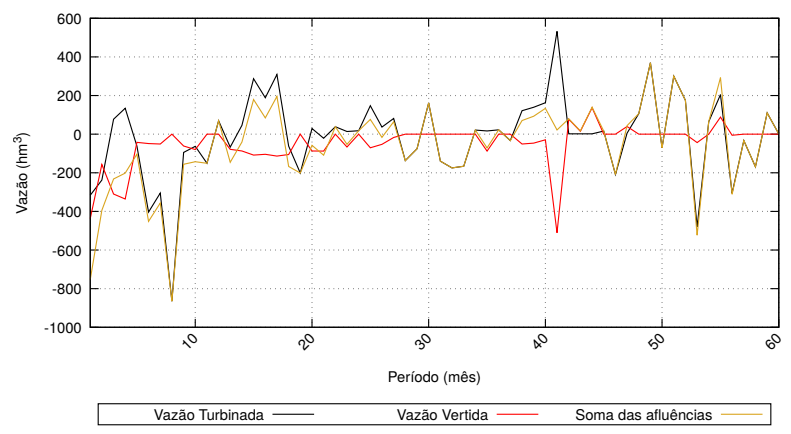
20.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



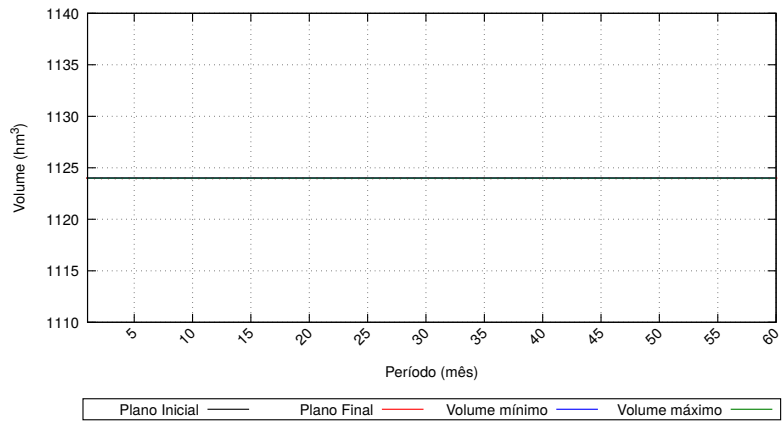
(a) CpMiPd

CpMiPd - Vazão - Diferença



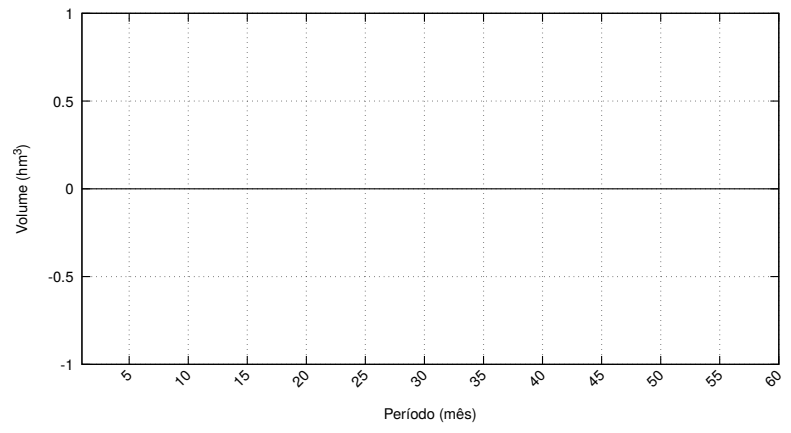
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



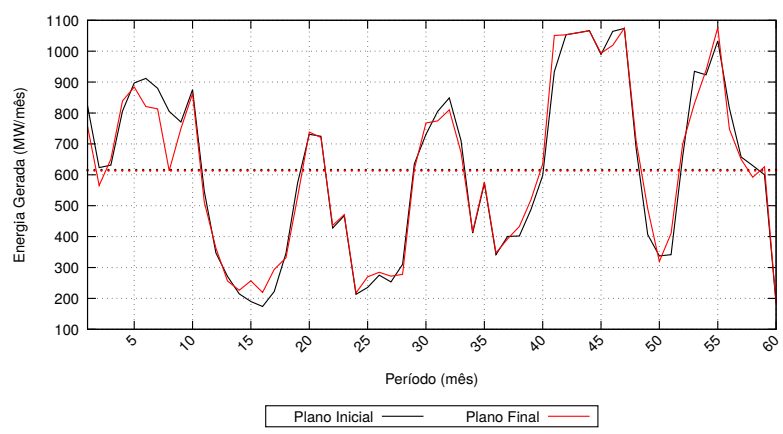
(a) CpMiPd

CpMiPd - Volume - Diferença



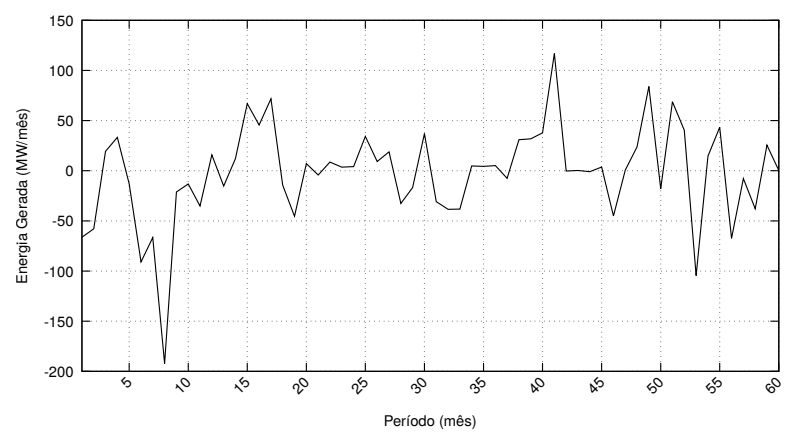
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

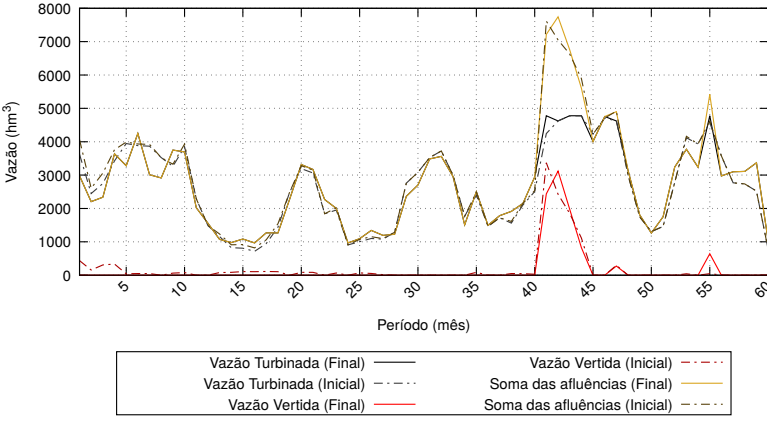
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

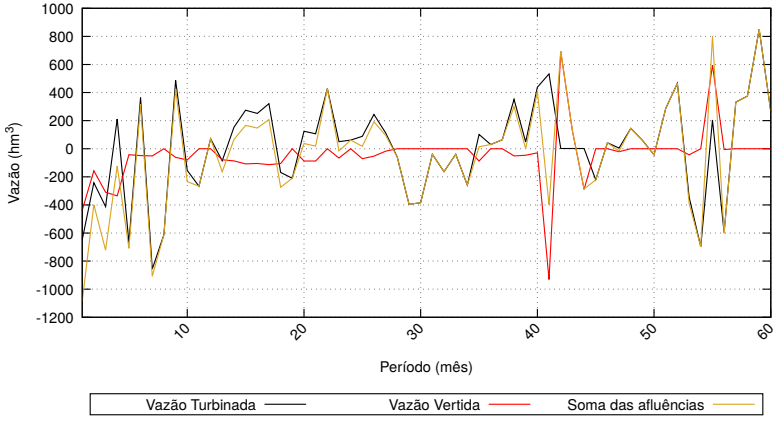
20.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



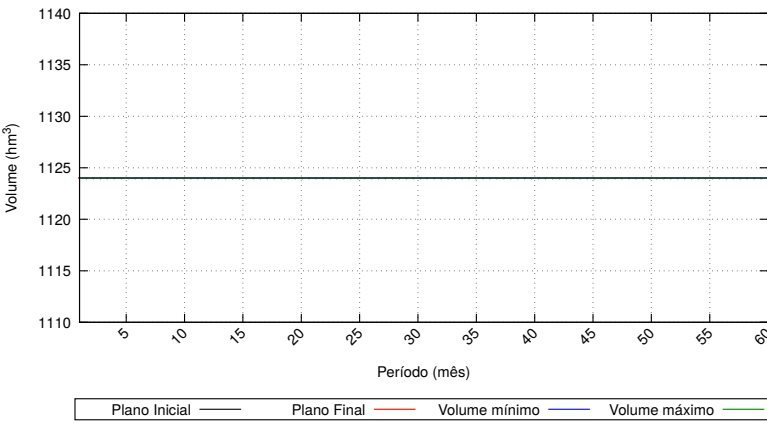
(a) CpMiPi

CpMiPi - Vazão - Diferença



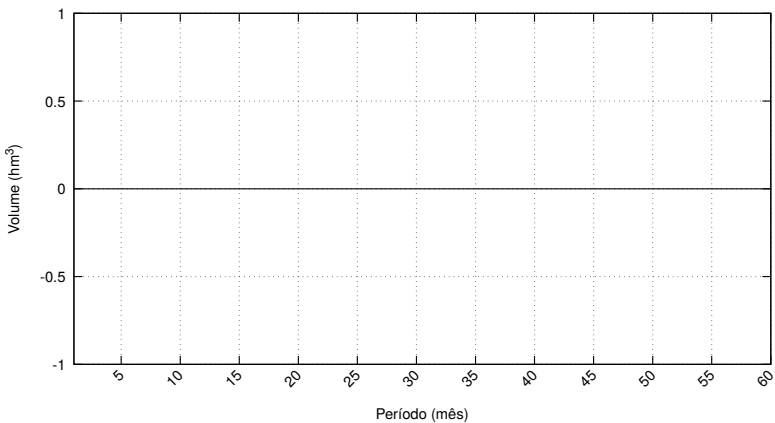
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



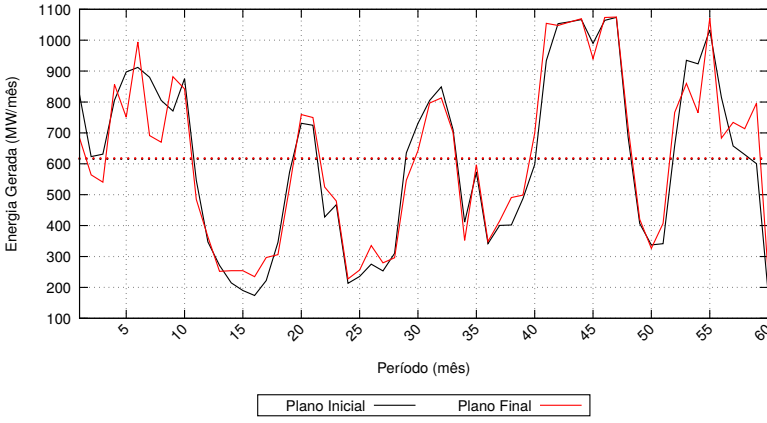
(a) CpMiPi

CpMiPi - Volume - Diferença



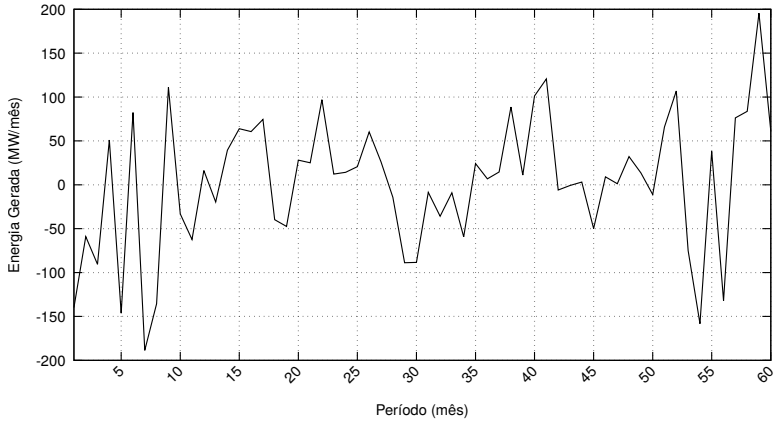
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

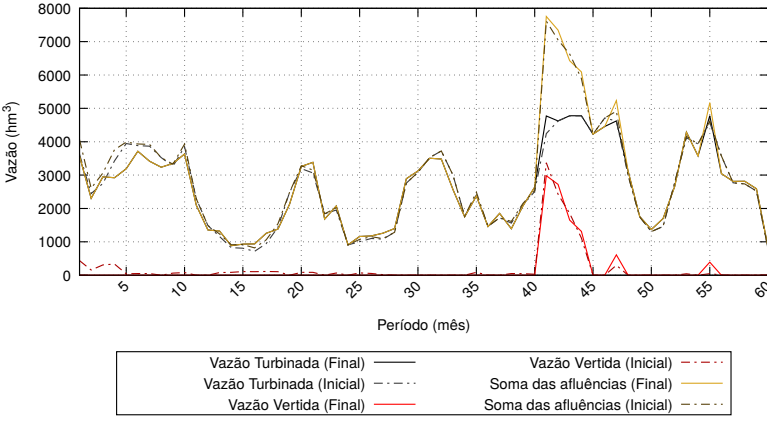
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

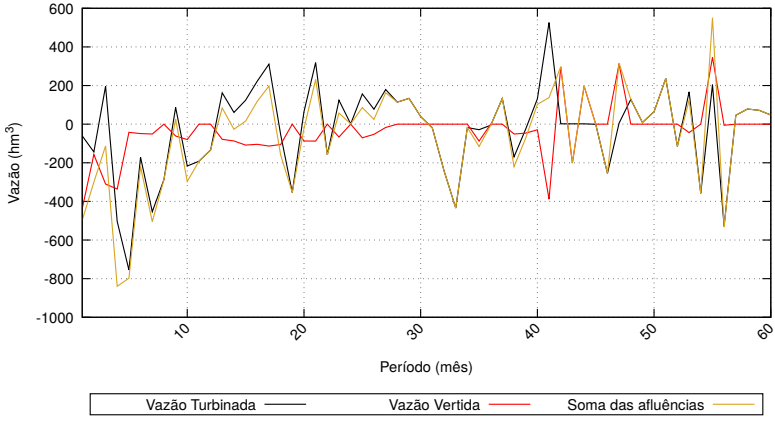
20.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



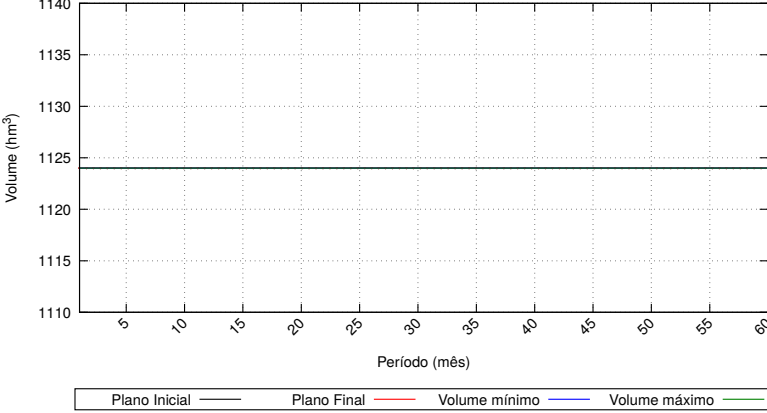
(a) SpPd

SpPd - Vazão - Diferença



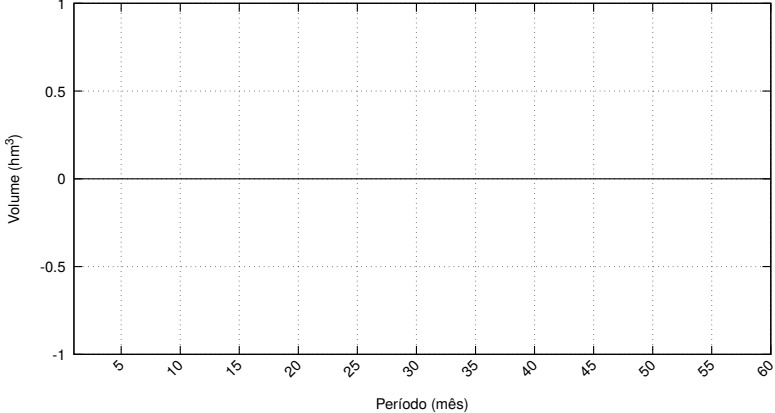
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



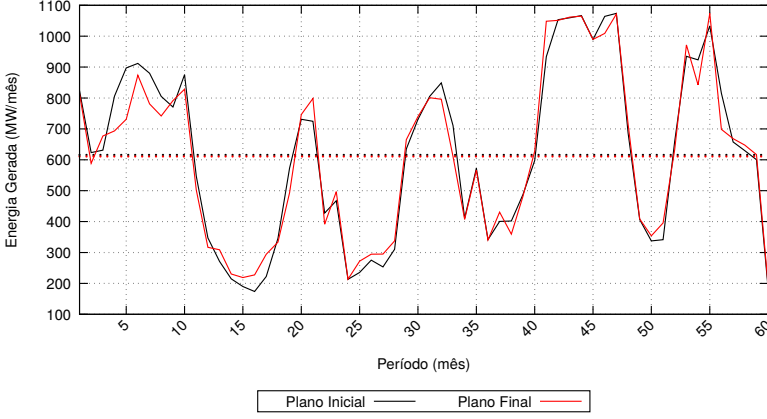
(a) SpPd

SpPd - Volume - Diferença



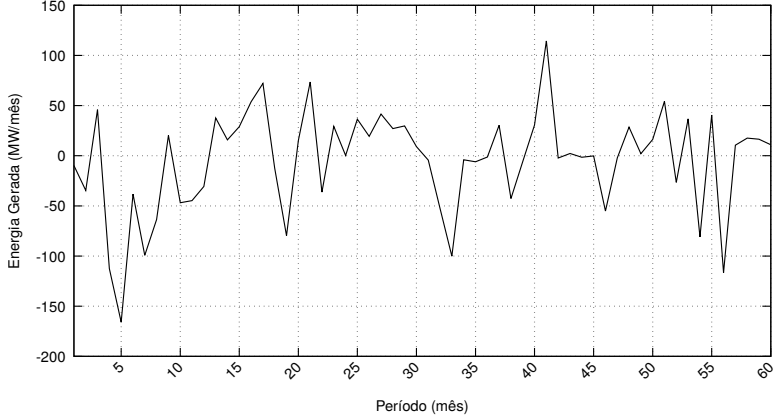
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



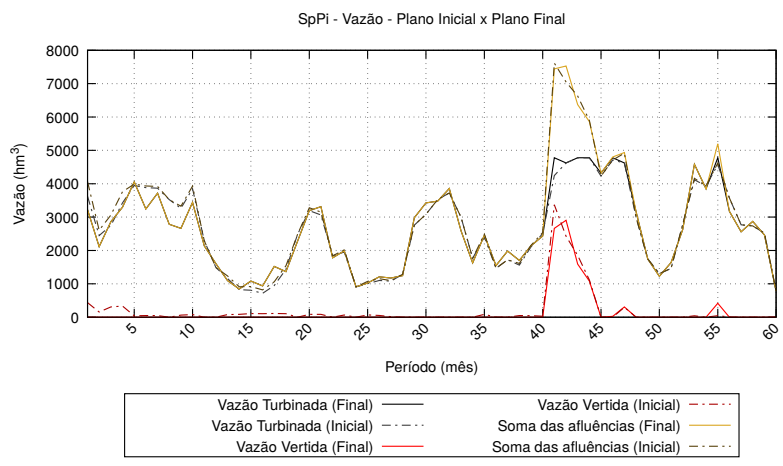
(a) SpPd

SpPd - Energia Gerada - Diferença

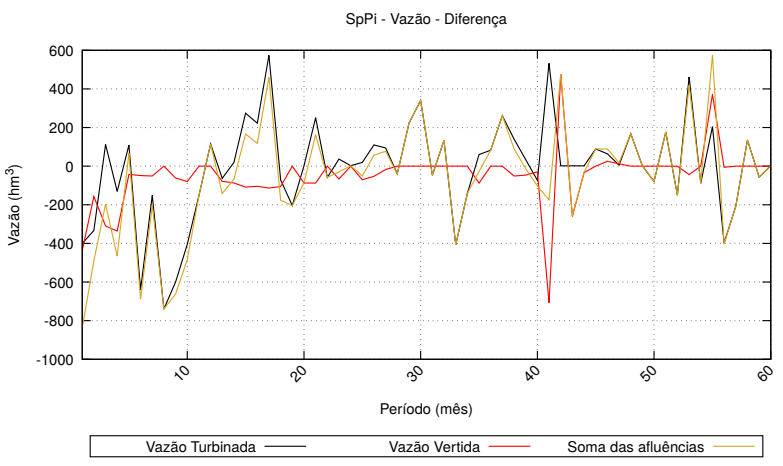


(b) SpPd

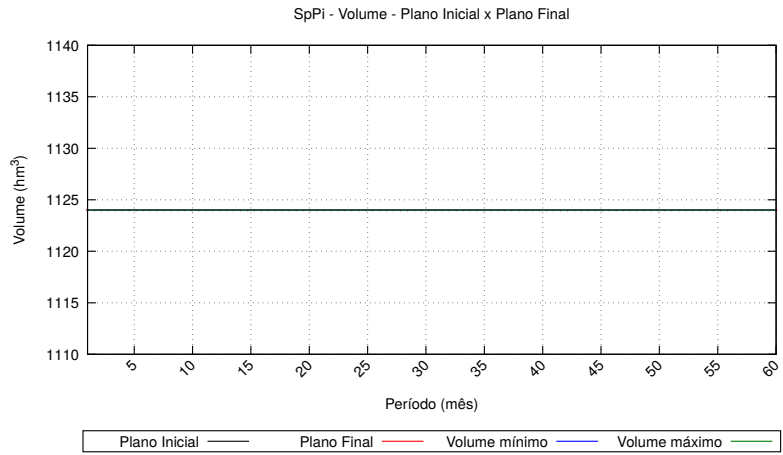
20.6 Resultados - SpPi



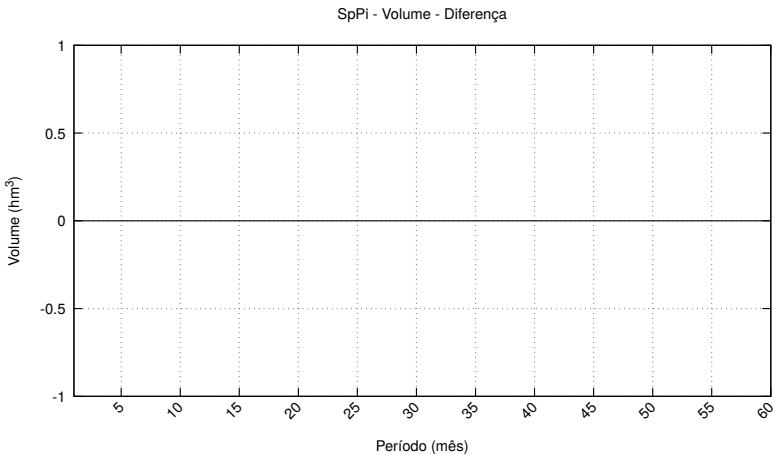
(a) SpPi



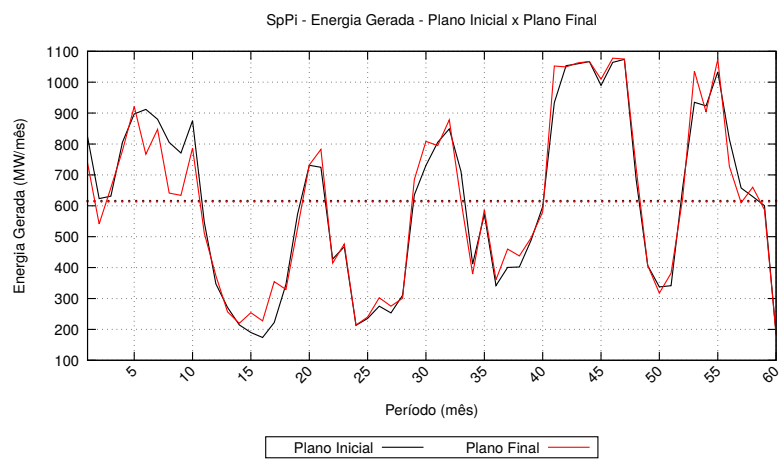
(b) SpPi



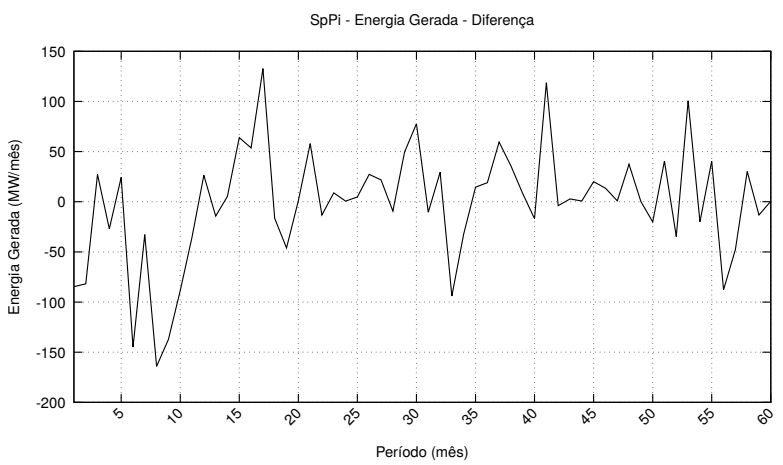
(a) SpPi



(b) SpPi



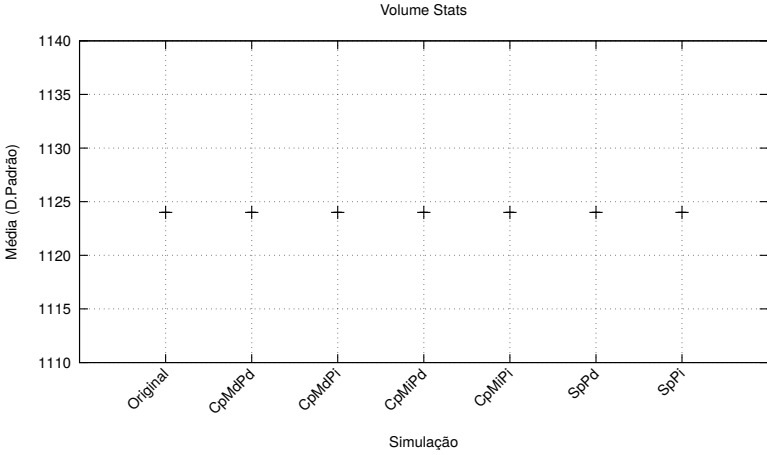
(a) SpPi



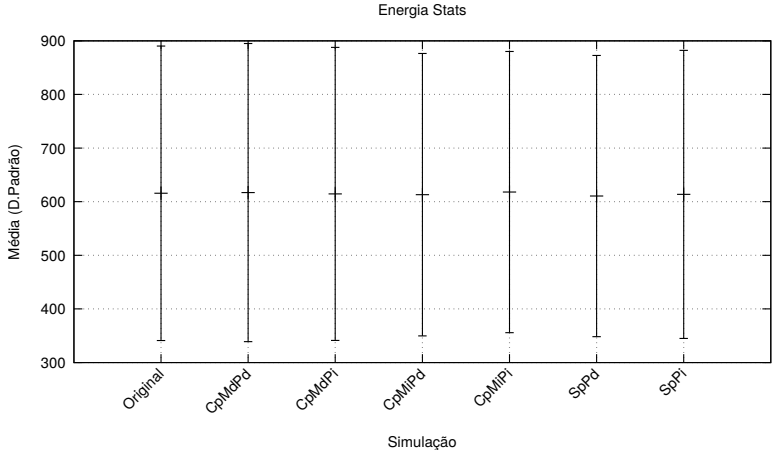
(b) SpPi

Tabela 25: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	1124.00000	0.00000	615.71486	274.59044
CpMdPd	1124.00000	0.00000	617.02538	278.04436
CpMdPi	1124.00000	0.00000	614.54407	273.23053
CpMiPd	1124.00000	0.00000	613.09105	263.32126
CpMiPi	1124.00000	0.00000	618.02791	262.20209
SpPd	1124.00000	0.00000	610.56593	262.28967
SpPi	1124.00000	0.00000	613.70261	268.60701



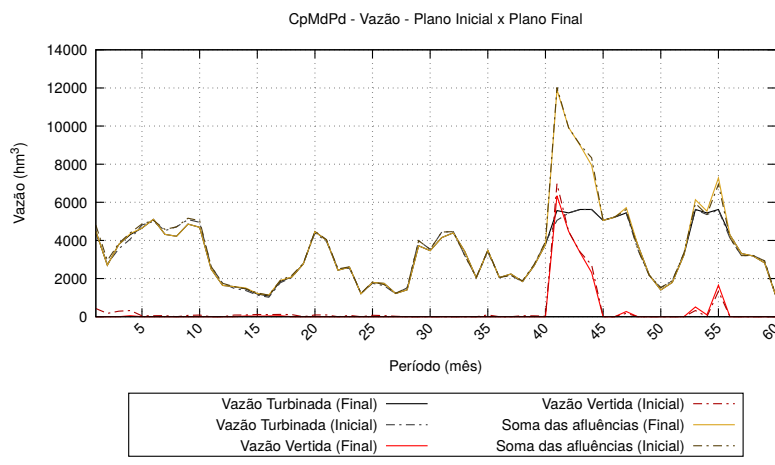
(a) Volume



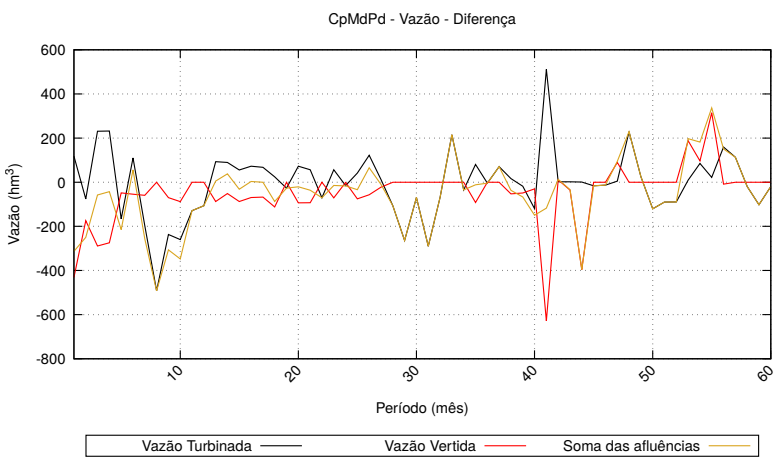
(b) Energia

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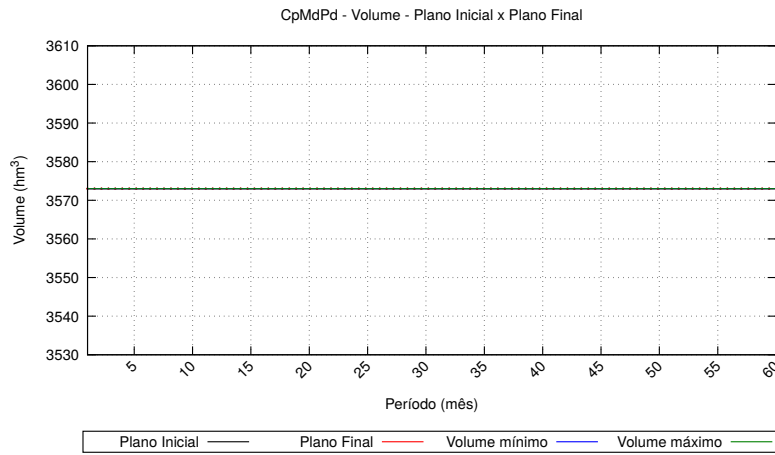
21.1 Resultados - CpMdPd



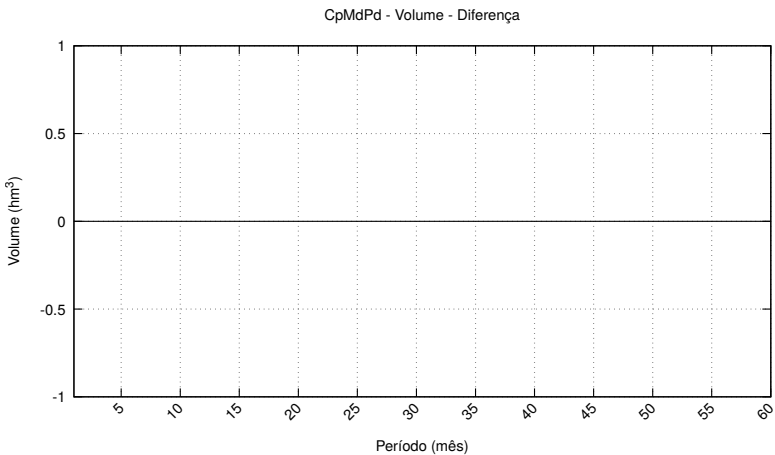
(a) CpMdPd



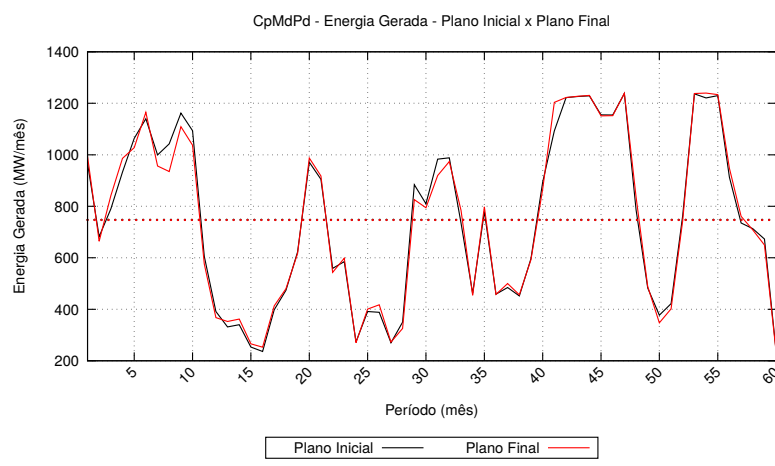
(b) CpMdPd



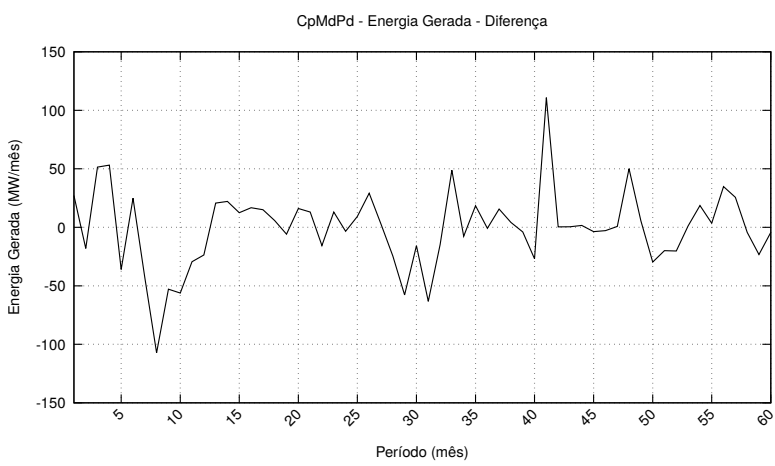
(a) CpMdPd



(b) CpMdPd



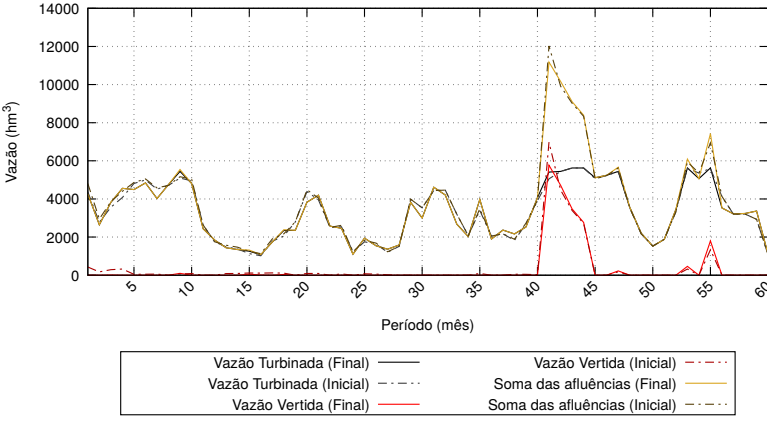
(a) CpMdPd



(b) CpMdPd

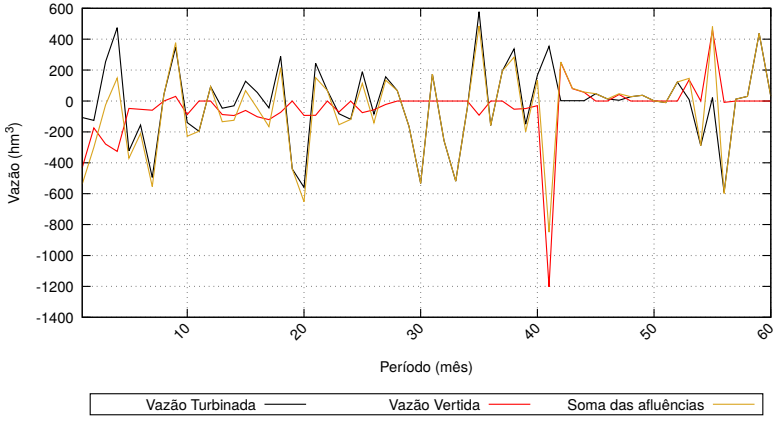
21.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



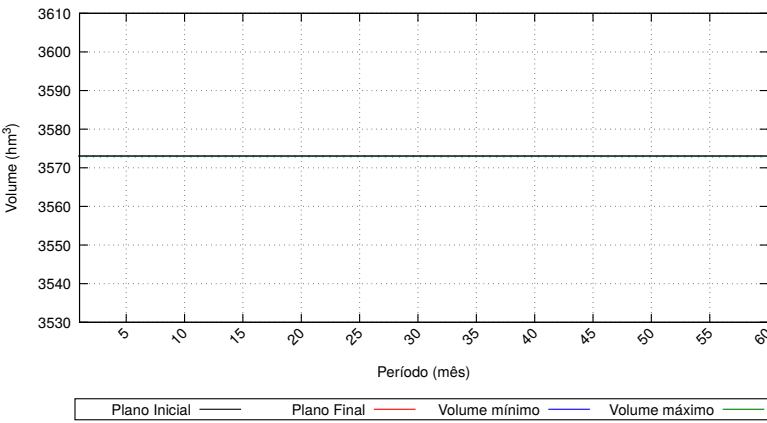
(a) CpMdPi

CpMdPi - Vazão - Diferença



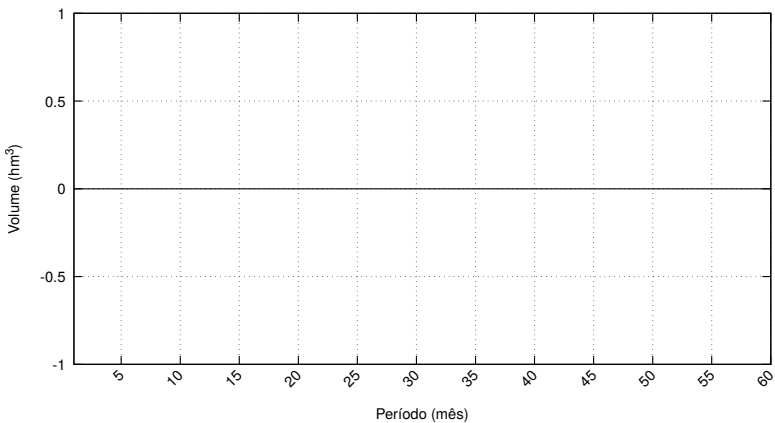
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



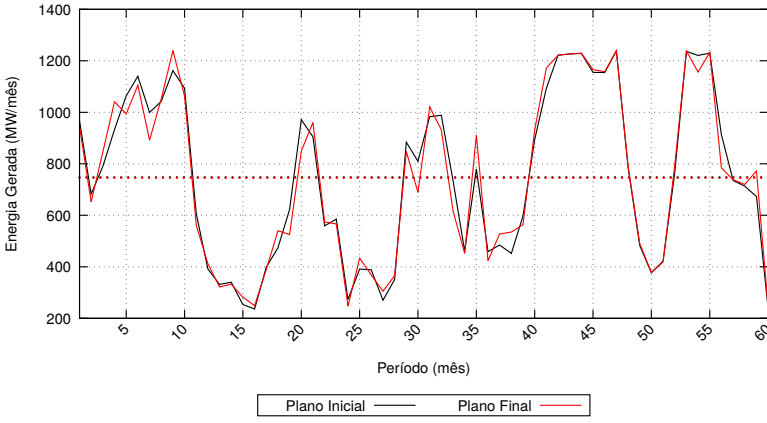
(a) CpMdPi

CpMdPi - Volume - Diferença



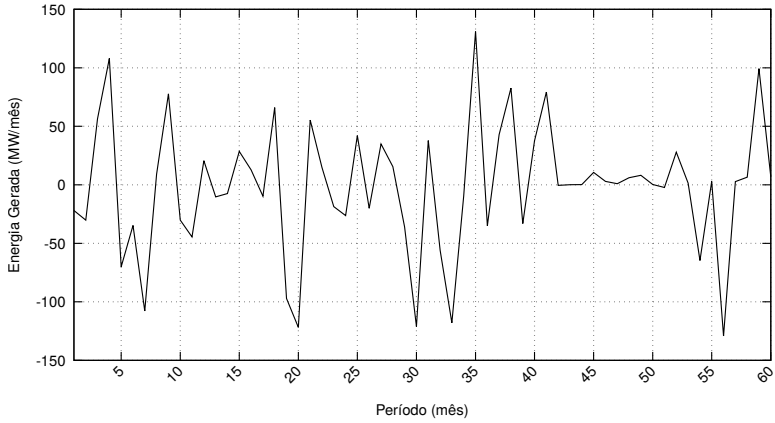
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

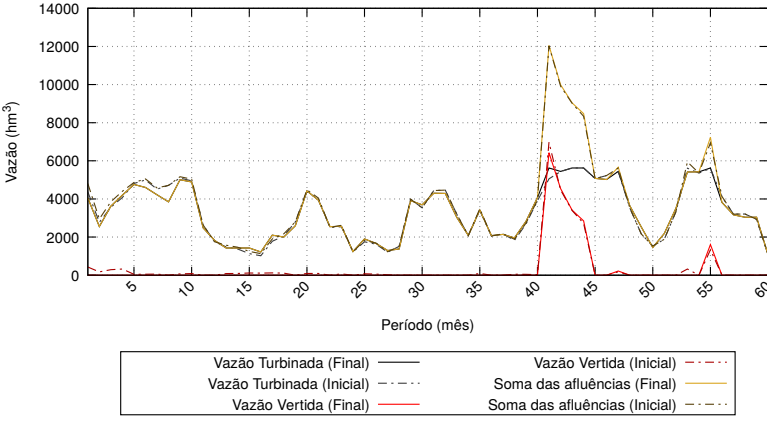
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

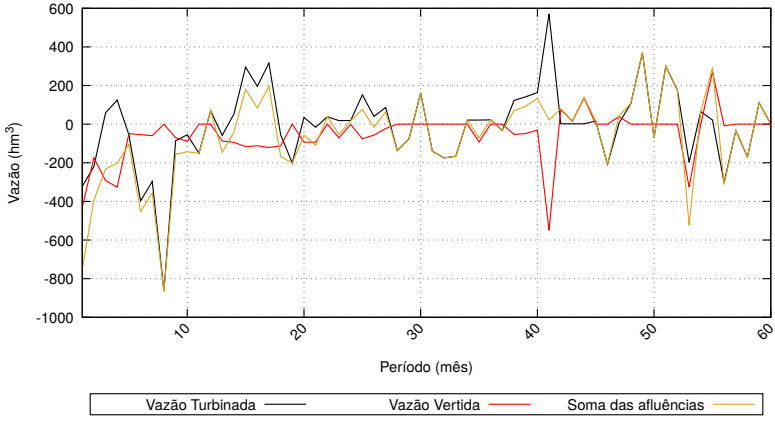
21.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



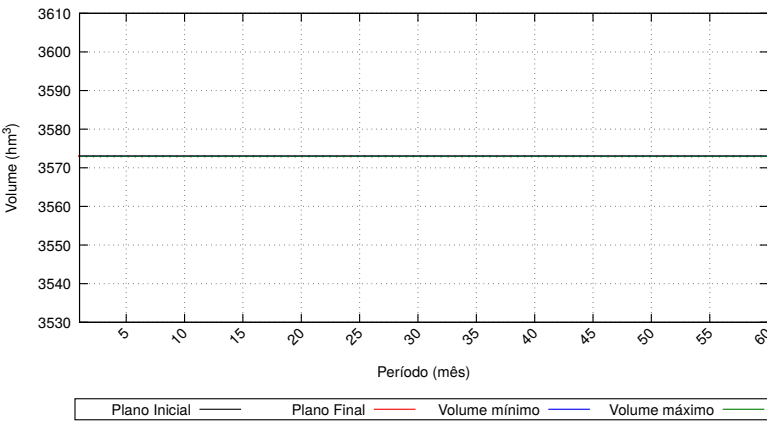
(a) CpMiPd

CpMiPd - Vazão - Diferença



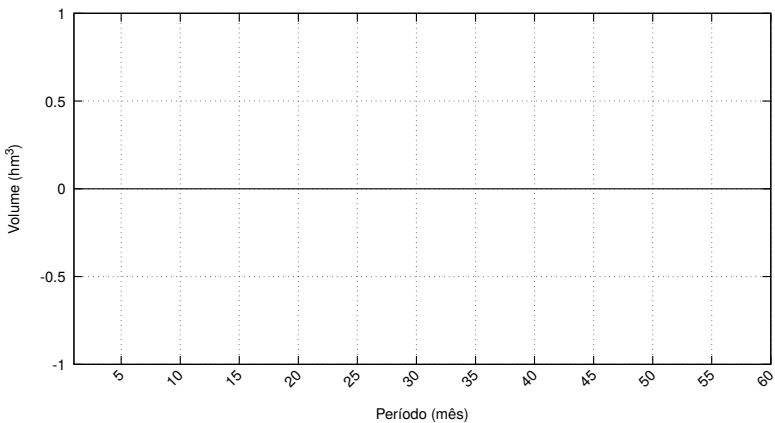
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



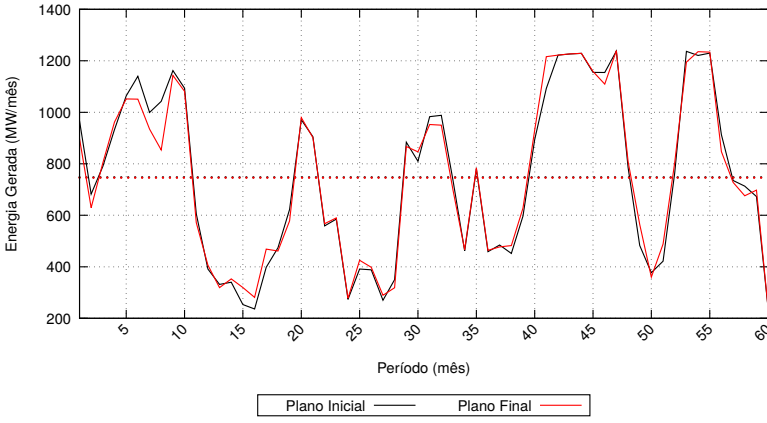
(a) CpMiPd

CpMiPd - Volume - Diferença



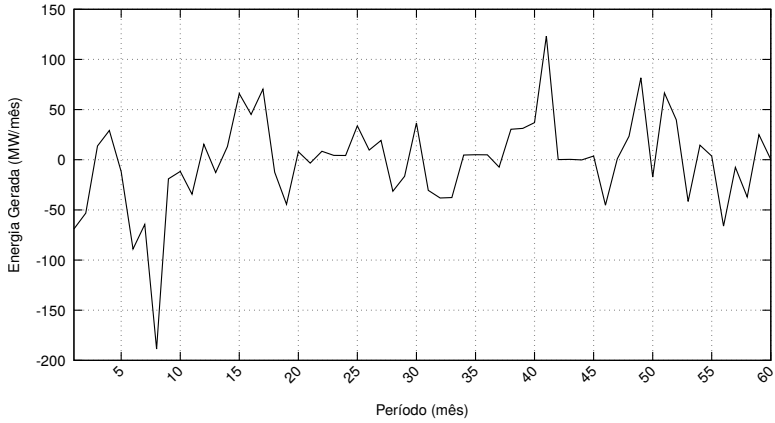
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

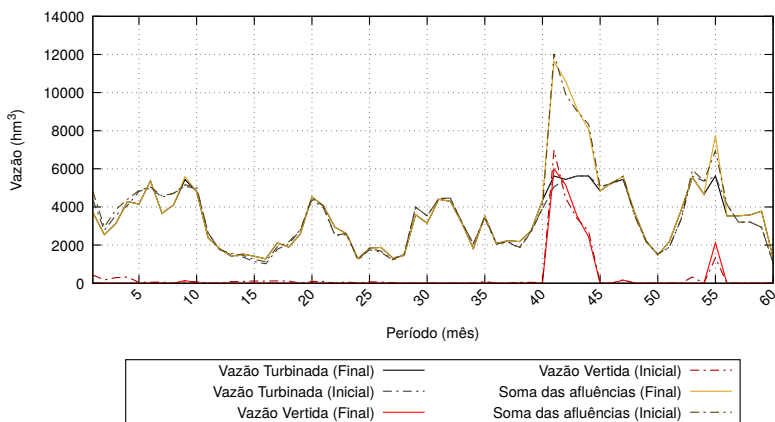
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

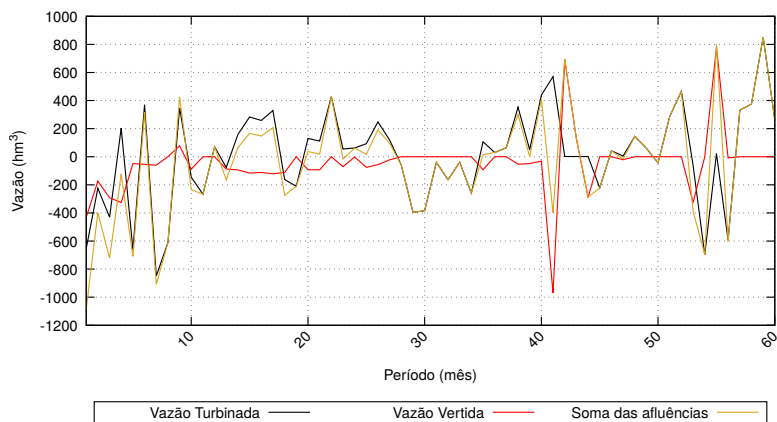
21.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



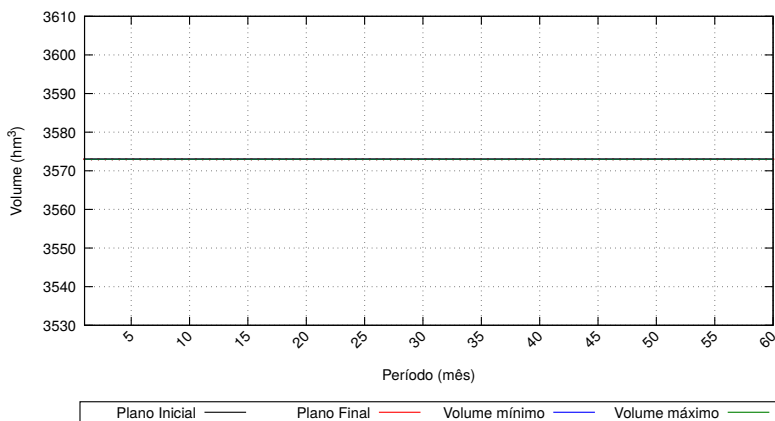
(a) CpMiPi

CpMiPi - Vazão - Diferença



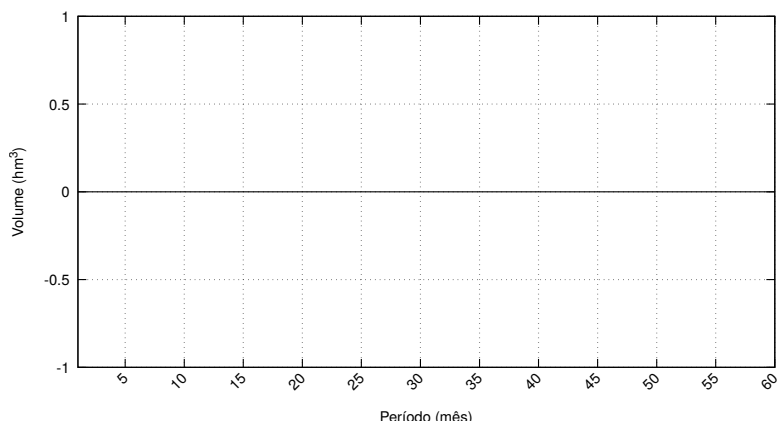
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



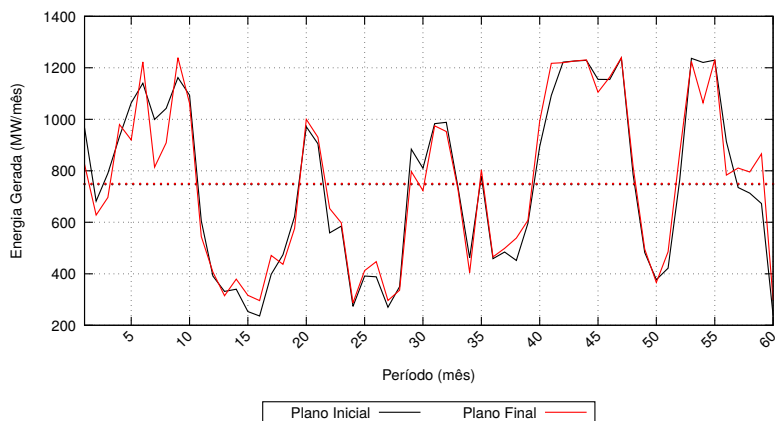
(a) CpMiPi

CpMiPi - Volume - Diferença



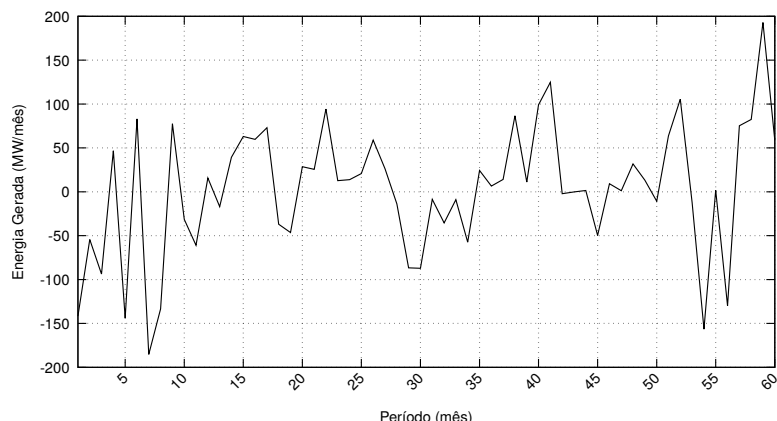
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



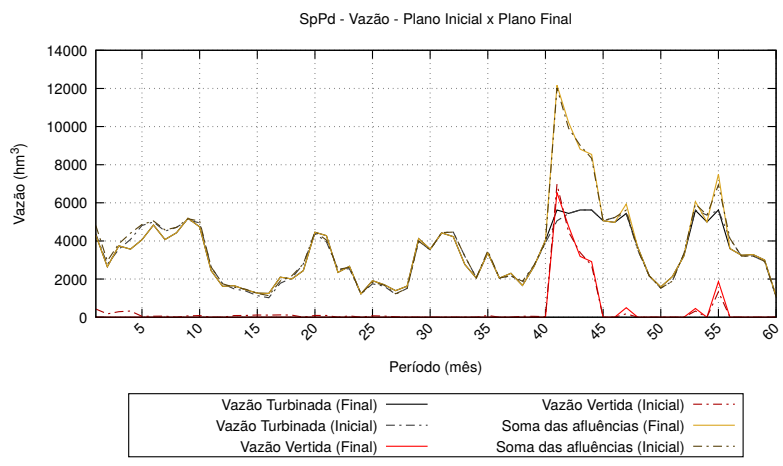
(a) CpMiPi

CpMiPi - Energia Gerada - Diferença

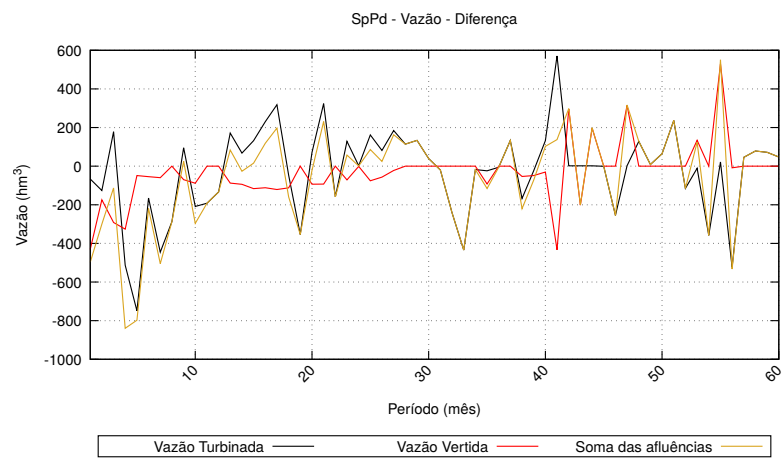


(b) CpMiPi

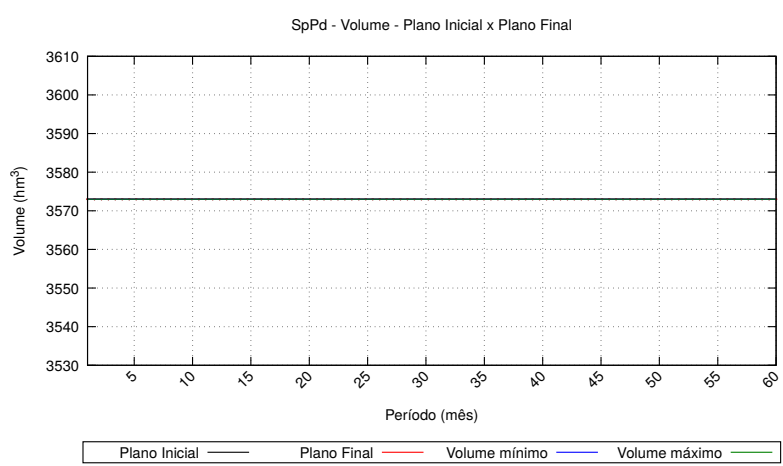
21.5 Resultados - SpPd



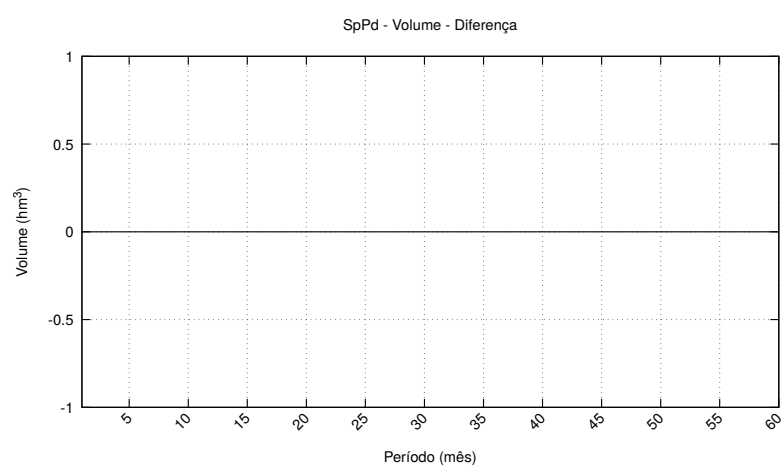
(a) SpPd



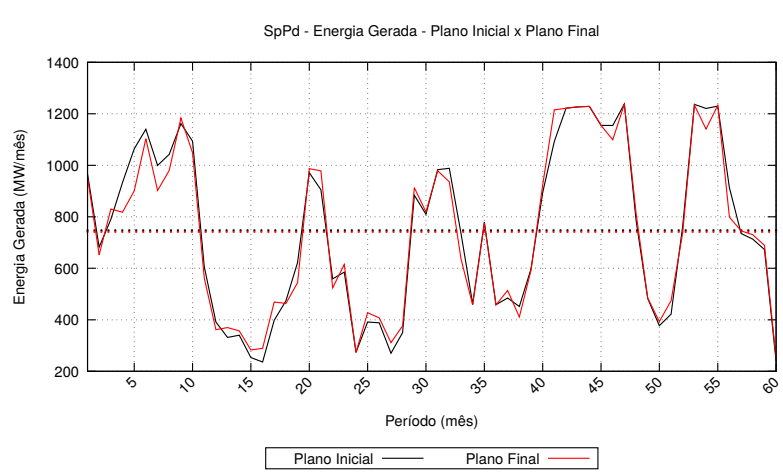
(b) SpPd



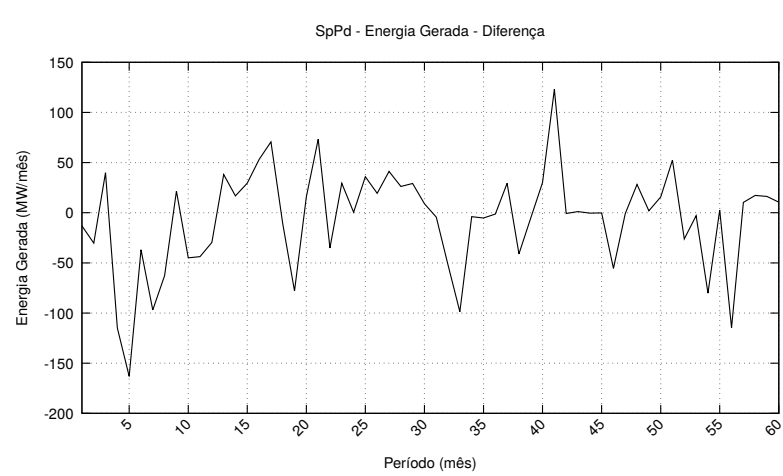
(a) SpPd



(b) SpPd

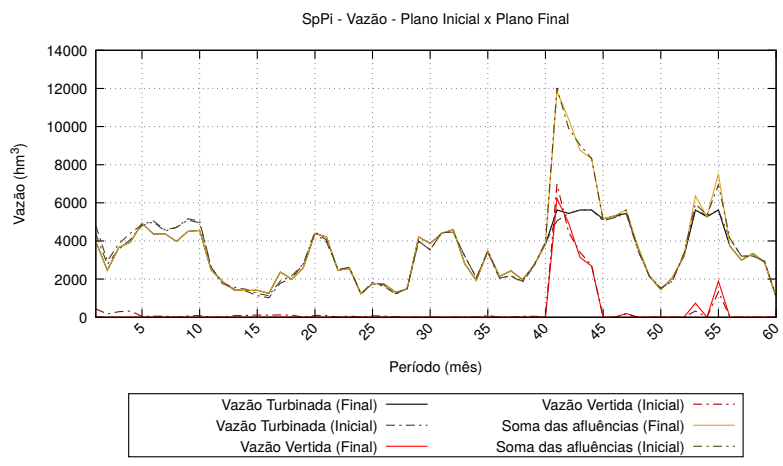


(a) SpPd

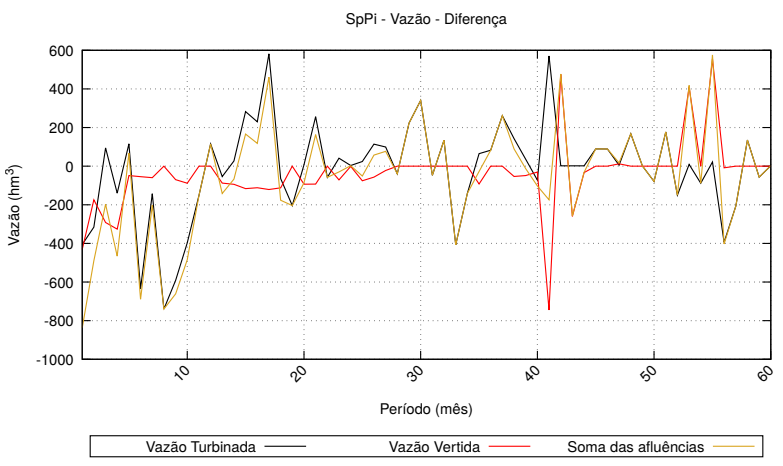


(b) SpPd

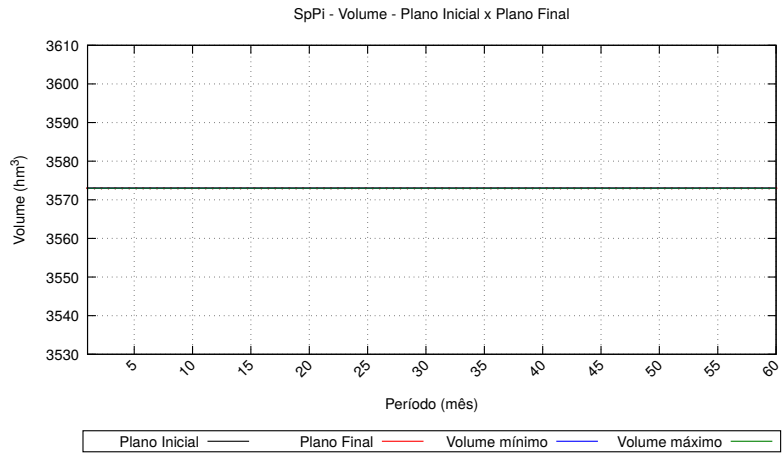
21.6 Resultados - SpPi



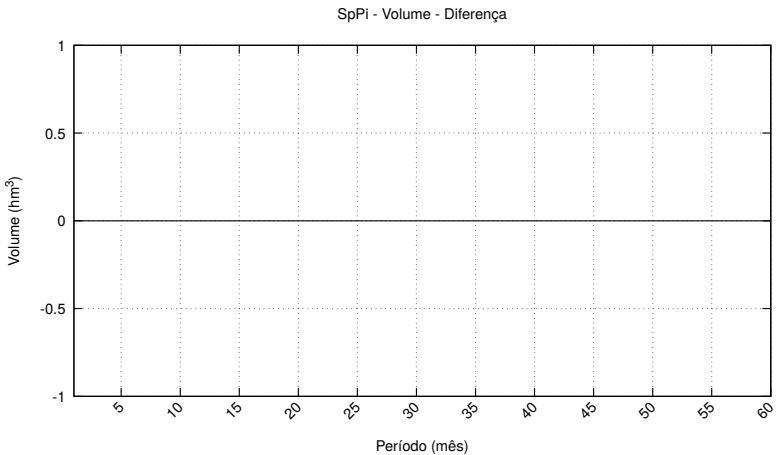
(a) SpPi



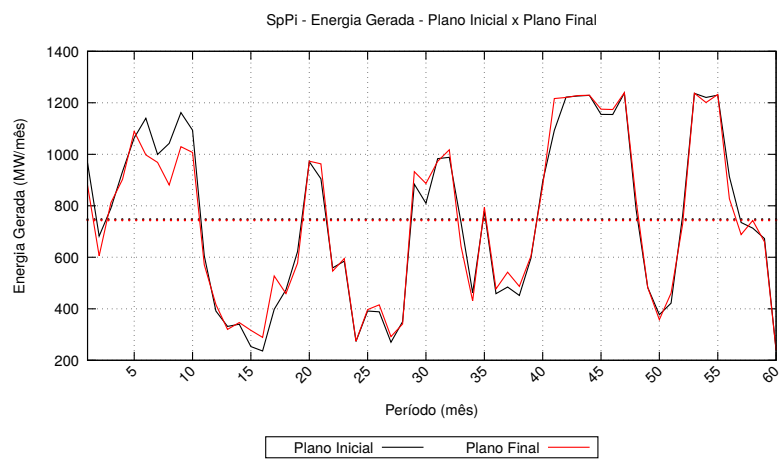
(b) SpPi



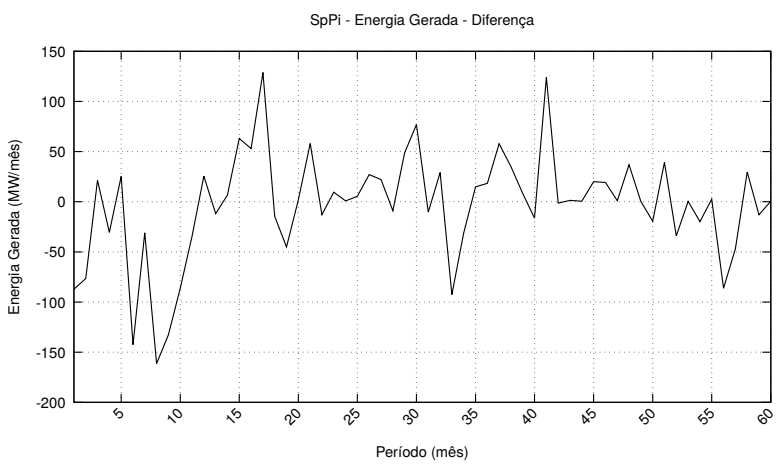
(a) SpPi



(b) SpPi



(a) SpPi

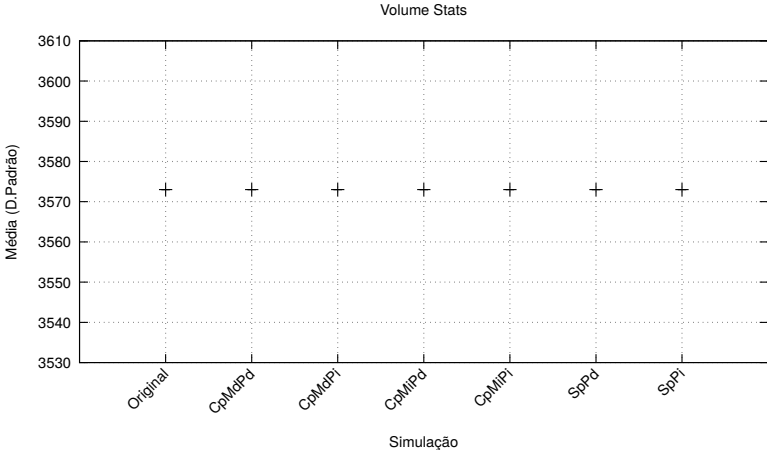


(b) SpPi

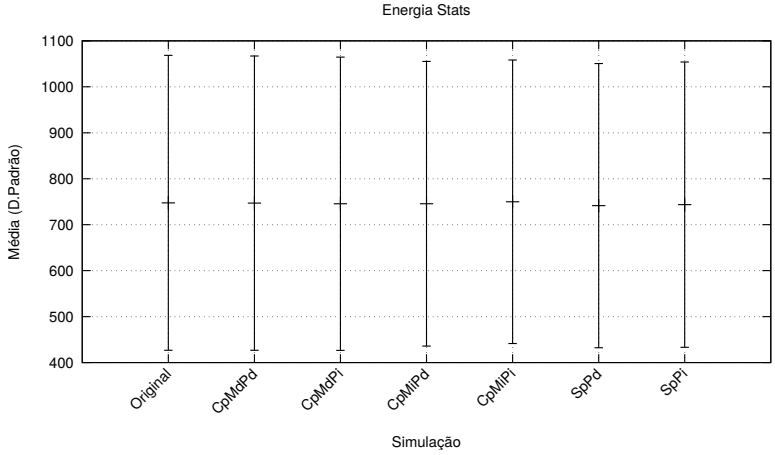
21.7 GPlan Stats

Tabela 26: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	3573.00000	0.00000	747.59196	320.84172
CpMdPd	3573.00000	0.00000	746.90098	320.05481
CpMdPi	3573.00000	0.00000	745.48993	319.12208
CpMiPd	3573.00000	0.00000	745.63153	309.67539
CpMiPi	3573.00000	0.00000	749.92194	308.39996
SpPd	3573.00000	0.00000	741.51132	309.24055
SpPi	3573.00000	0.00000	743.70471	310.36394

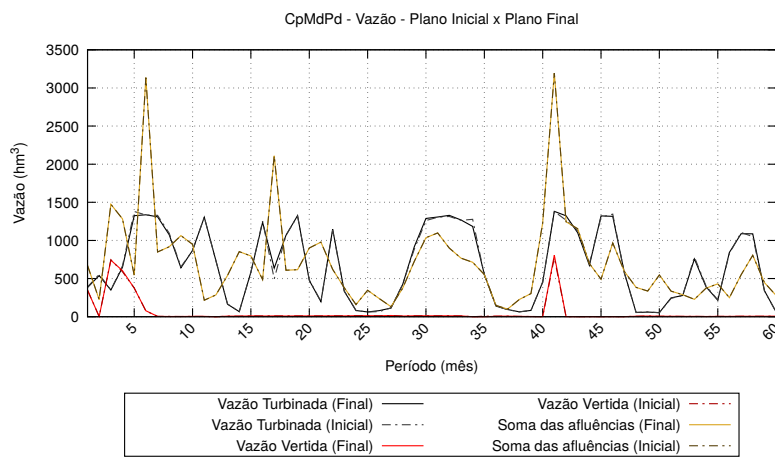


(a) Volume

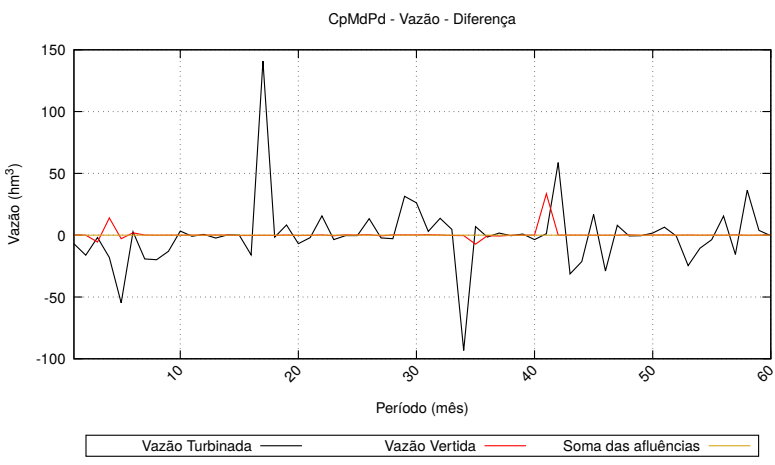


(b) Energia

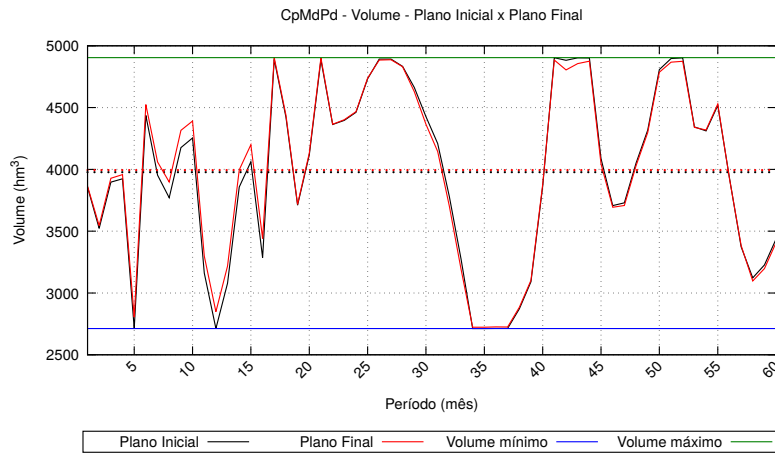
22.1 Resultados - CpMdPd



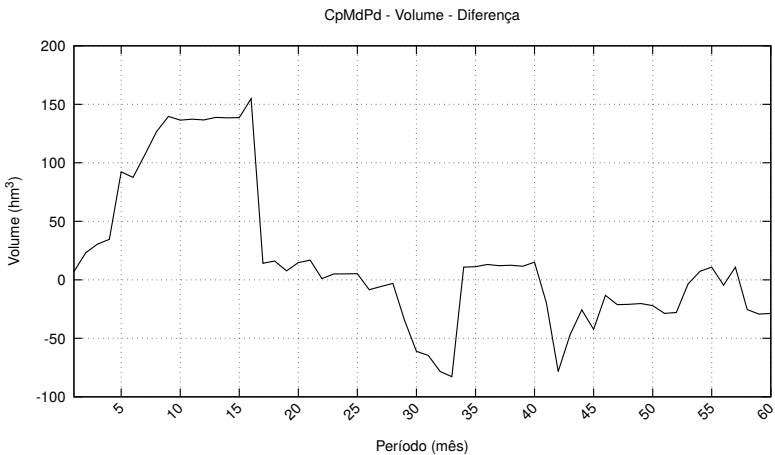
(a) CpMdPd



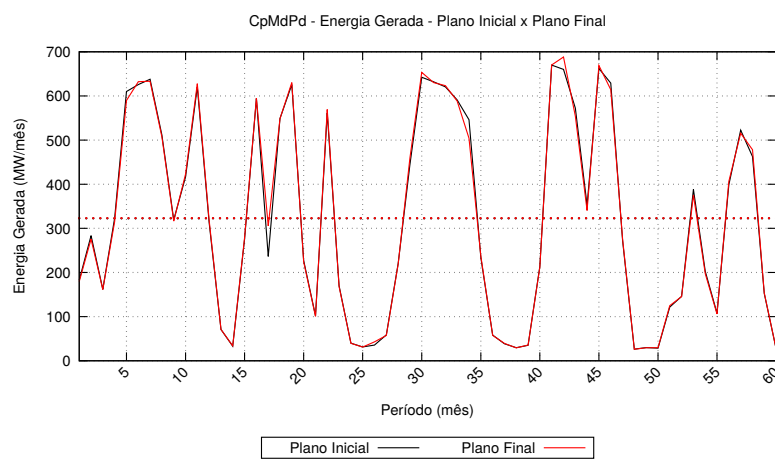
(b) CpMdPd



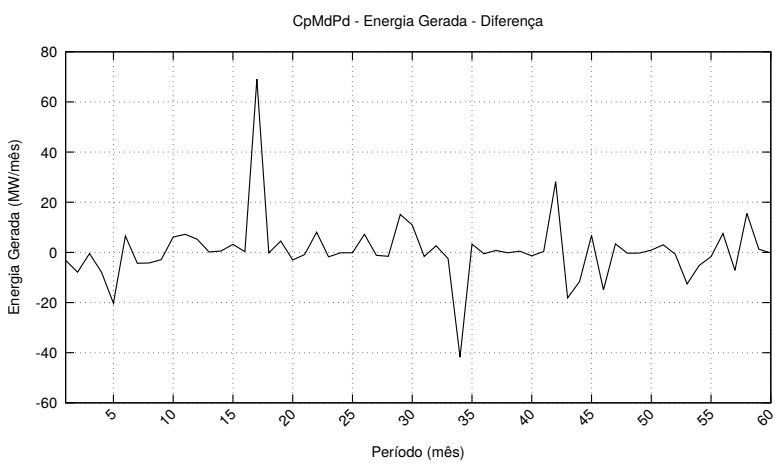
(a) CpMdPd



(b) CpMdPd



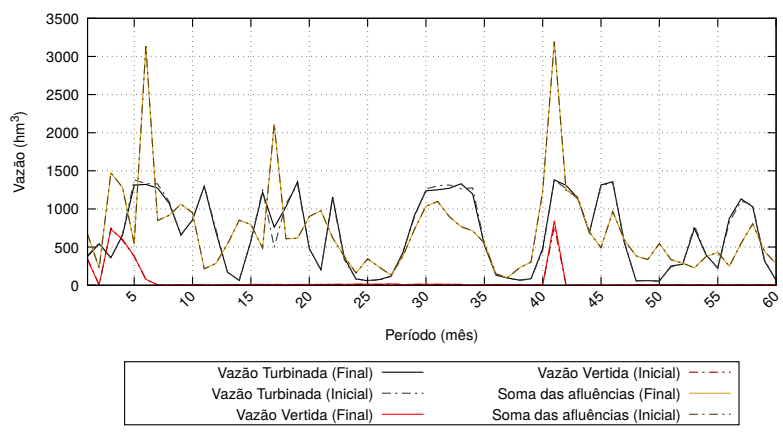
(a) CpMdPd



(b) CpMdPd

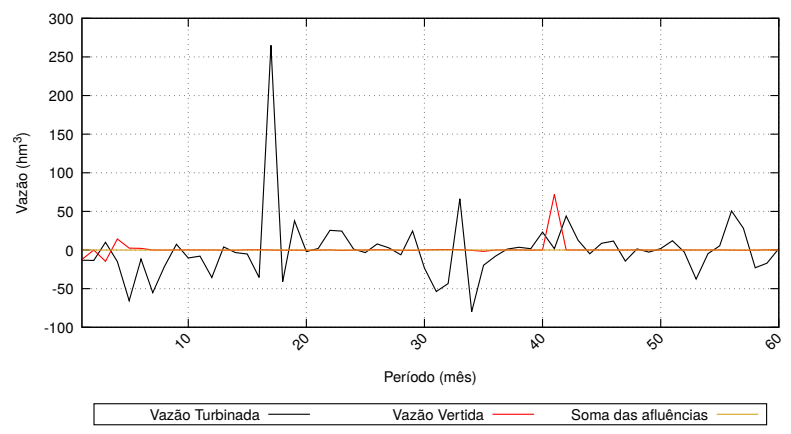
22.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



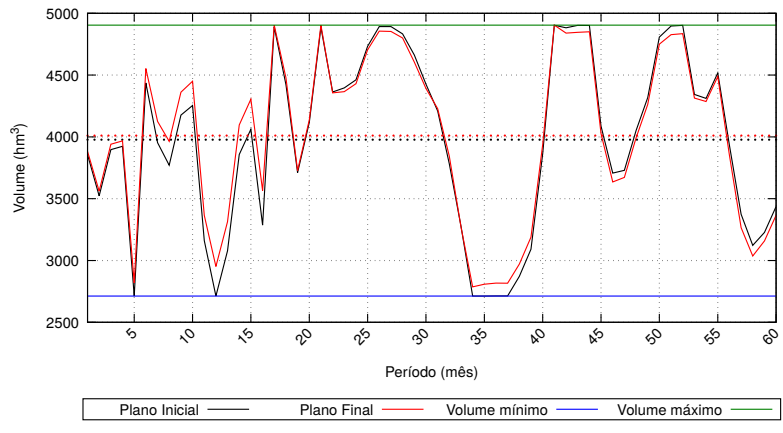
(a) CpMdPi

CpMdPi - Vazão - Diferença



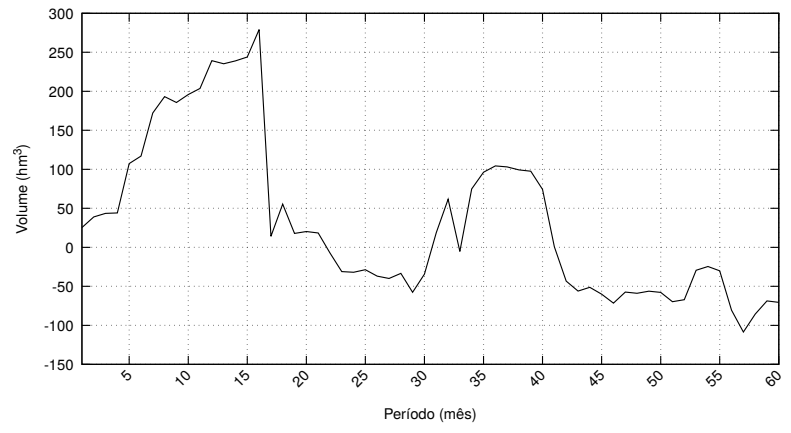
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



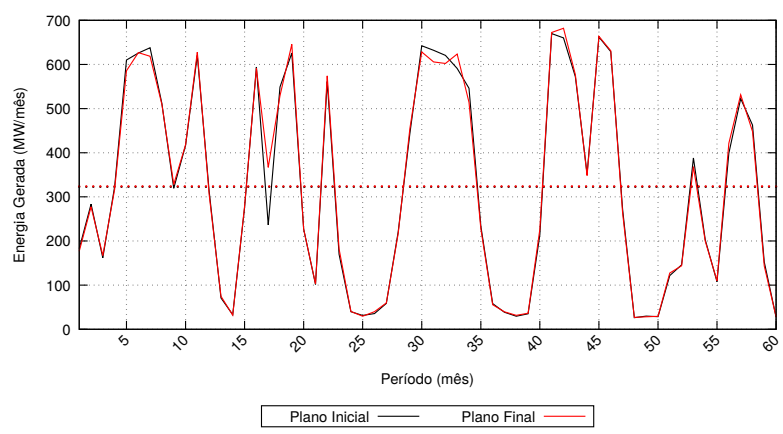
(a) CpMdPi

CpMdPi - Volume - Diferença



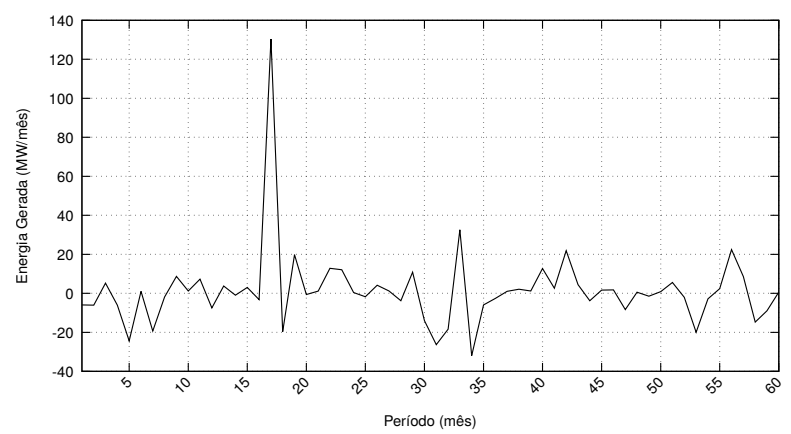
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

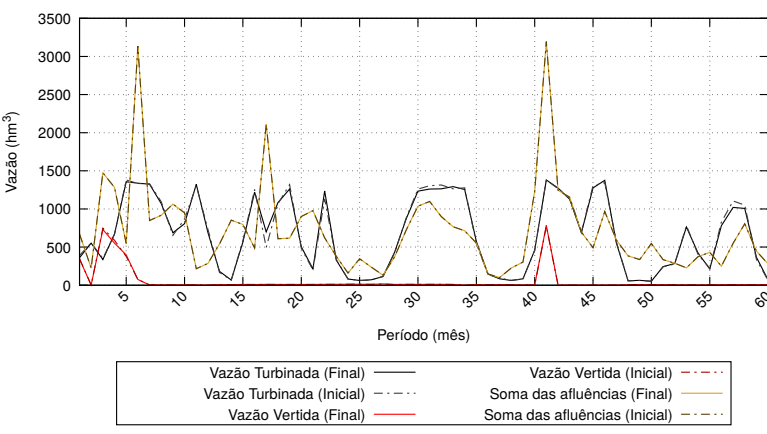
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

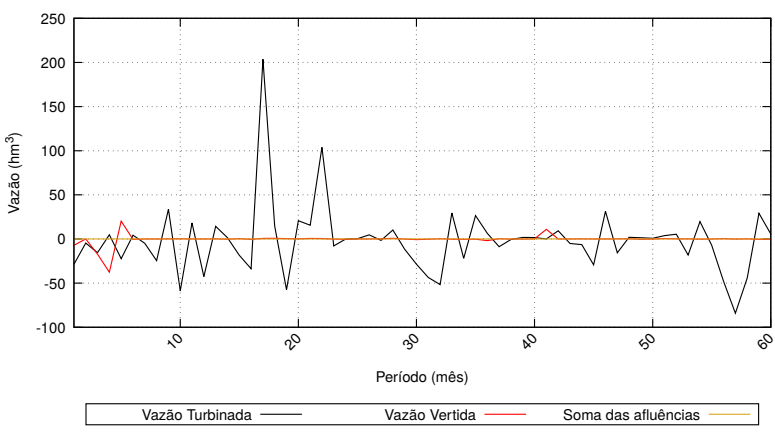
22.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



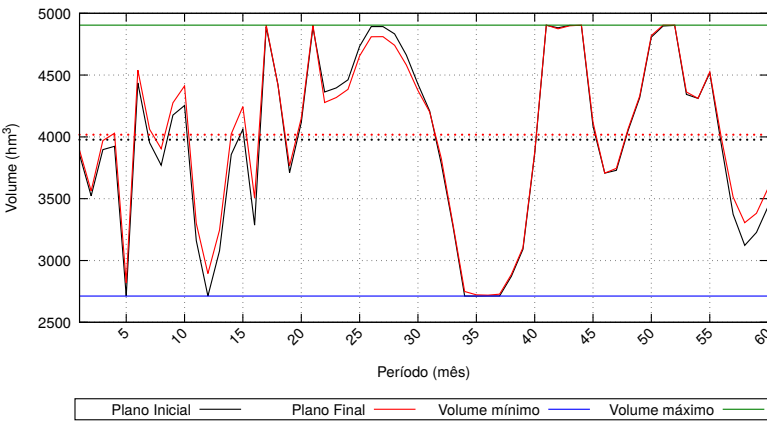
(a) CpMiPd

CpMiPd - Vazão - Diferença



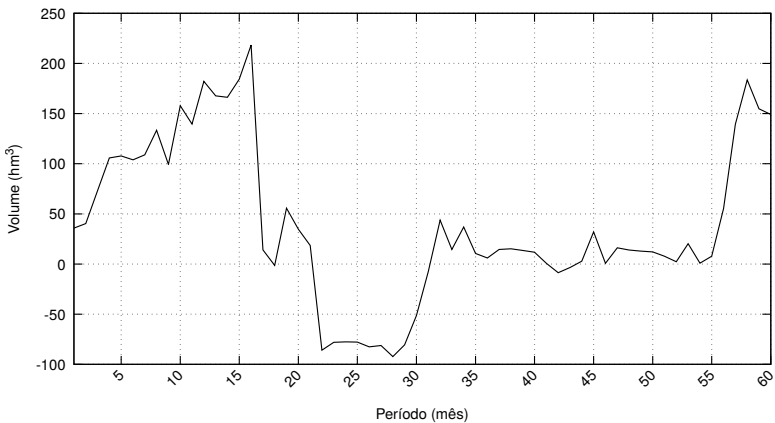
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



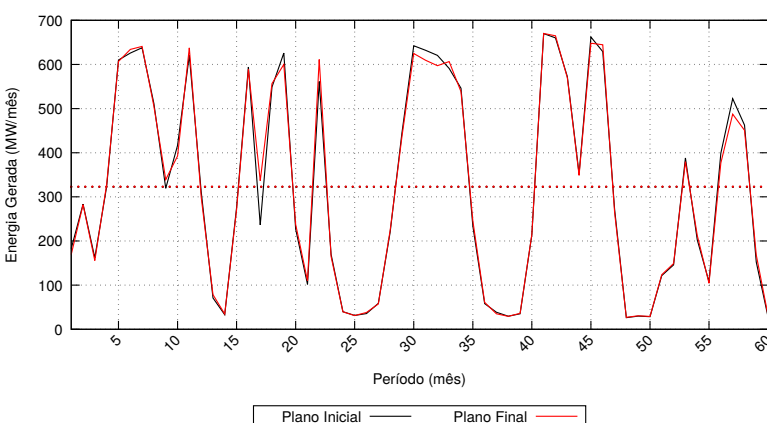
(a) CpMiPd

CpMiPd - Volume - Diferença



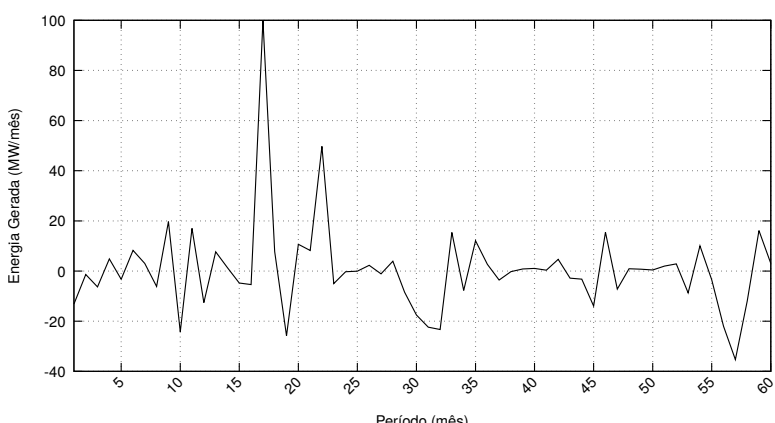
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

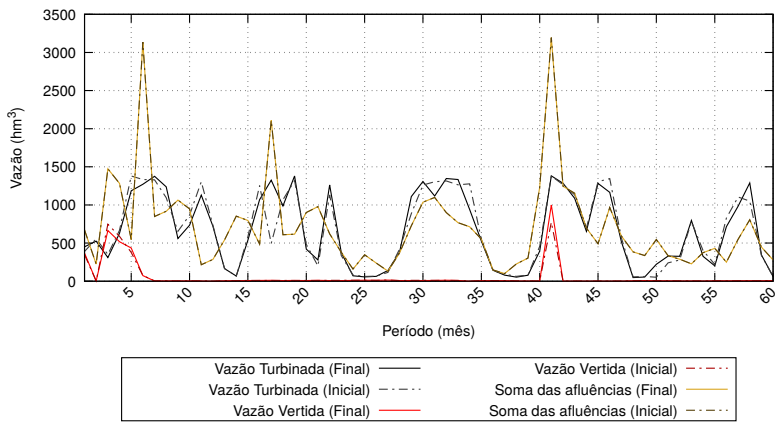
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

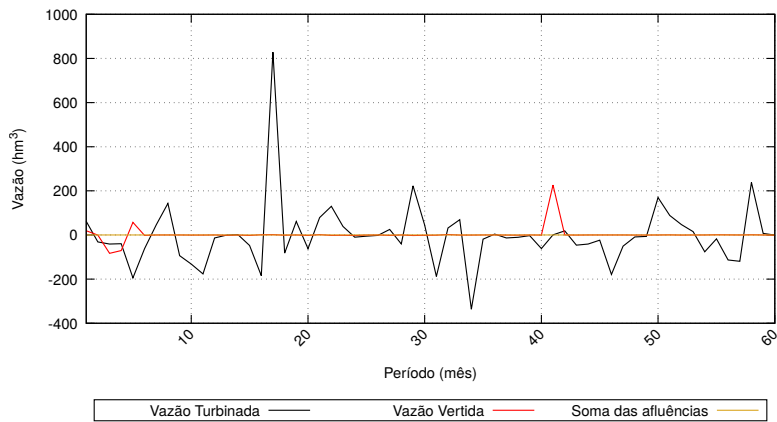
22.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



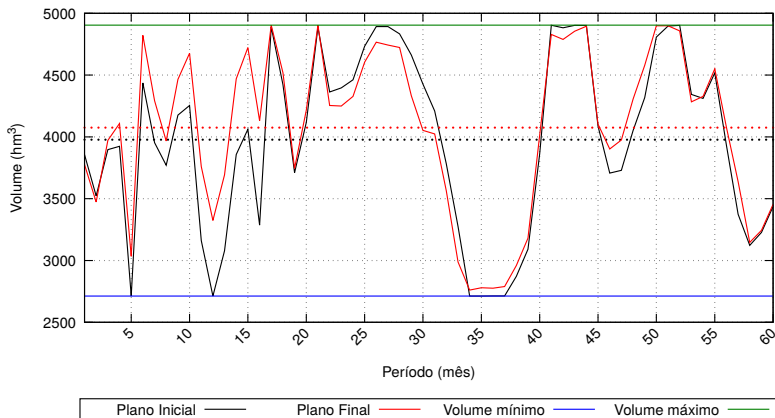
(a) CpMiPi

CpMiPi - Vazão - Diferença



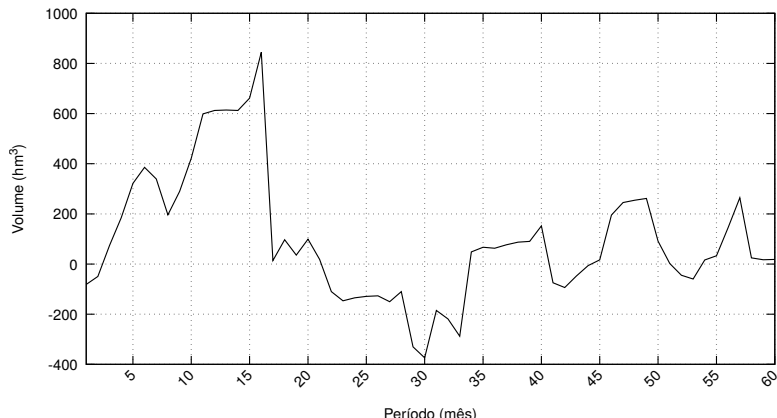
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



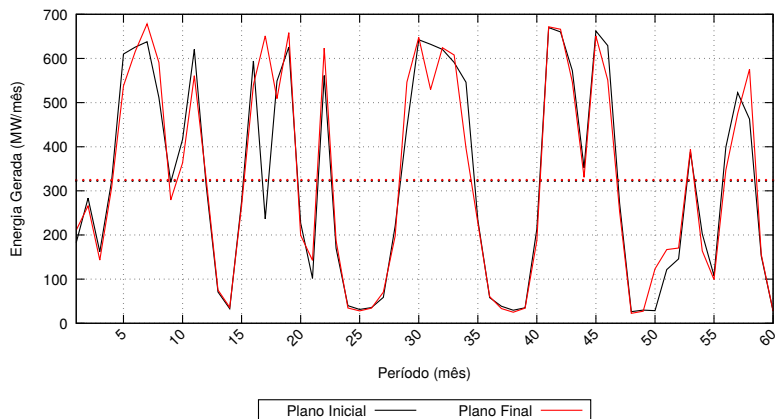
(a) CpMiPi

CpMiPi - Volume - Diferença



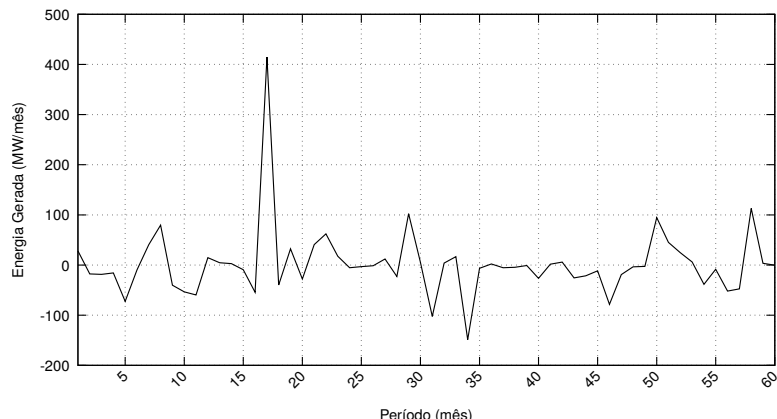
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

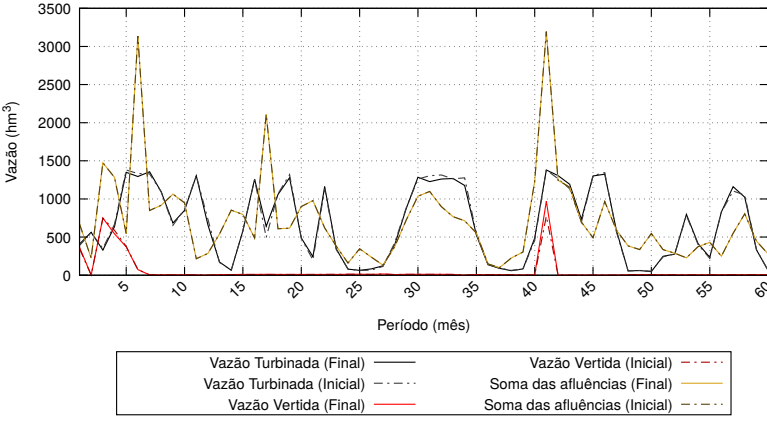
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

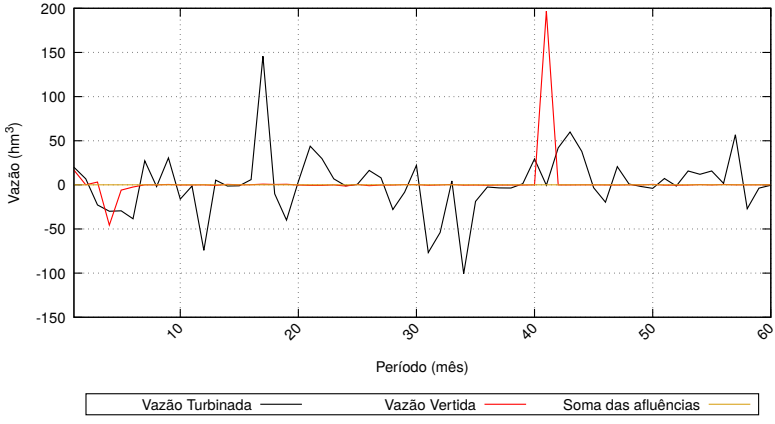
22.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



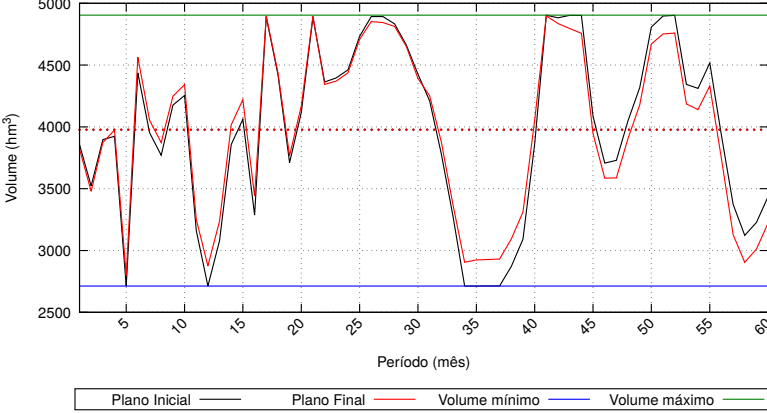
(a) SpPd

SpPd - Vazão - Diferença



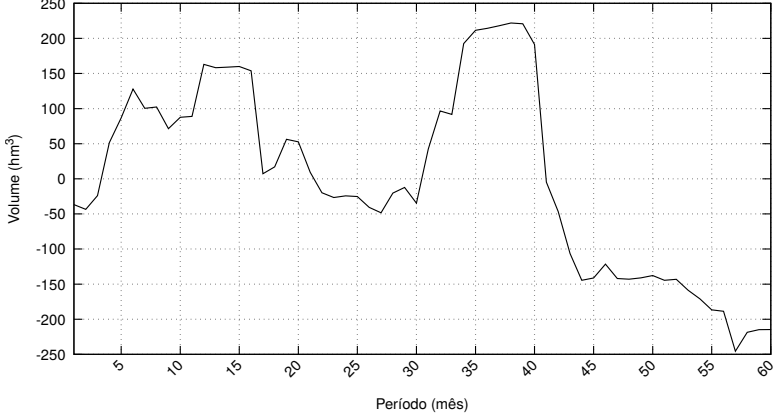
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



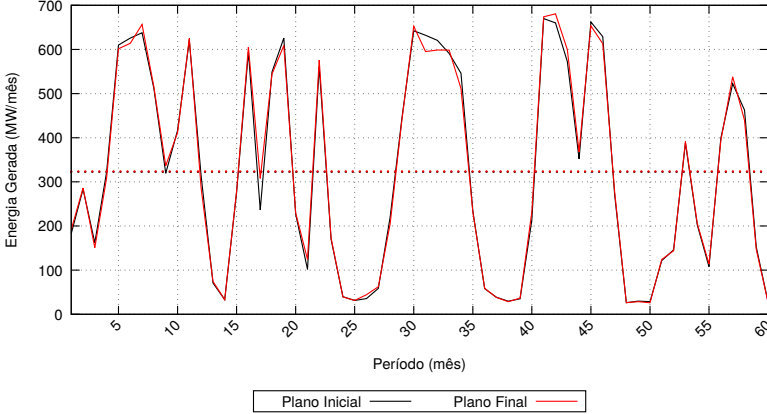
(a) SpPd

SpPd - Volume - Diferença



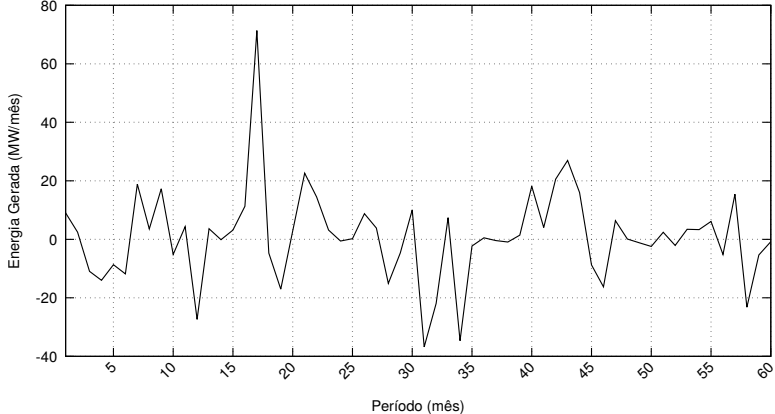
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

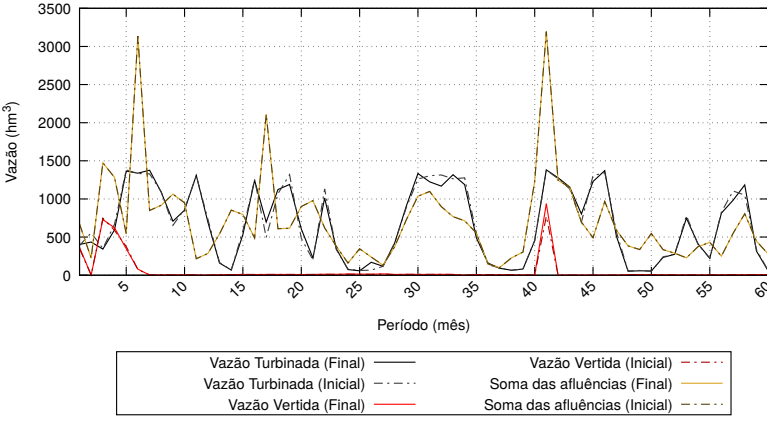
SpPd - Energia Gerada - Diferença



(b) SpPd

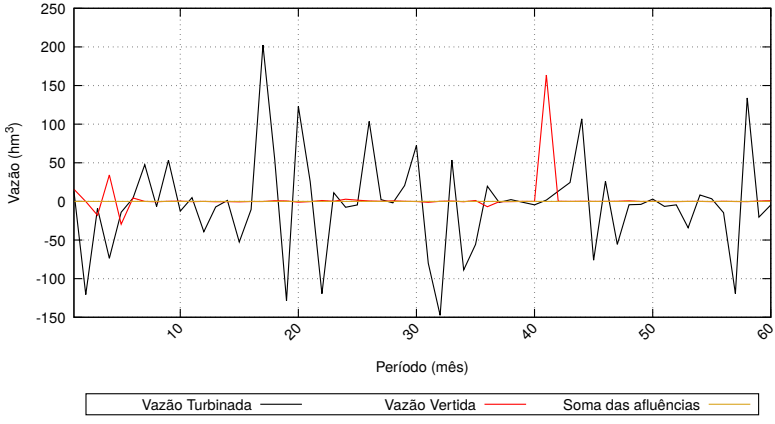
22.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



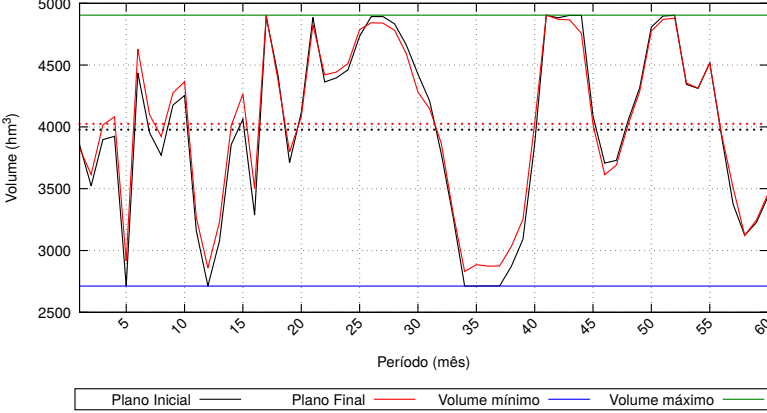
(a) SpPi

SpPi - Vazão - Diferença



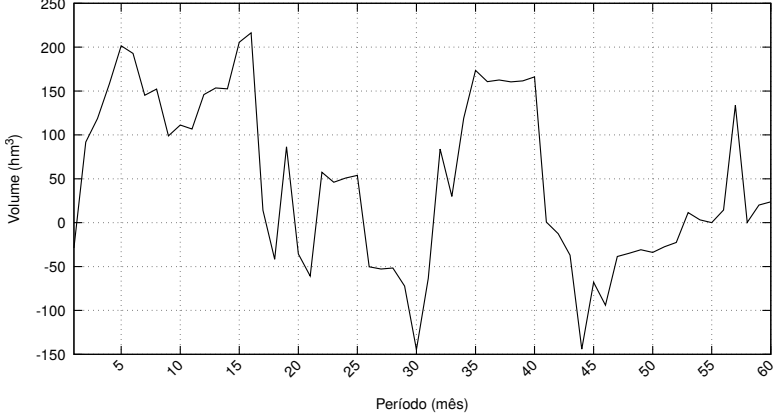
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



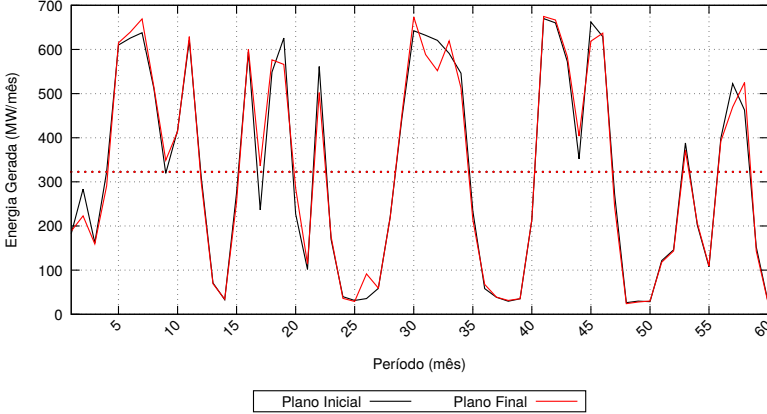
(a) SpPi

SpPi - Volume - Diferença



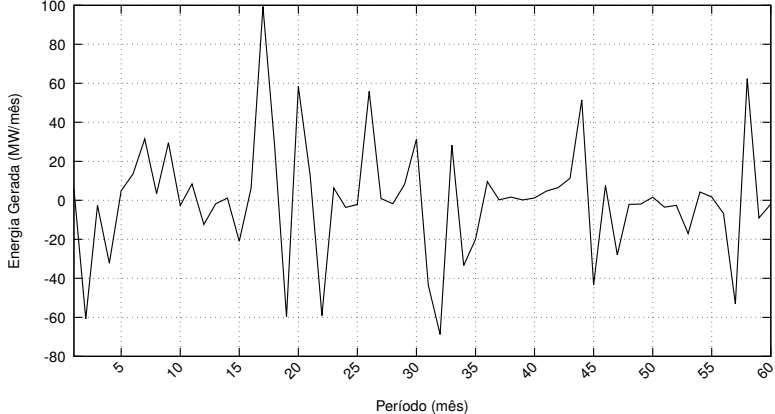
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

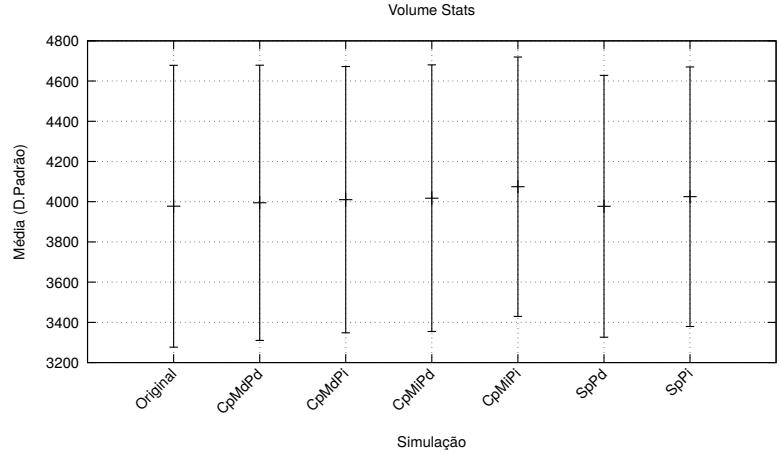
SpPi - Energia Gerada - Diferença



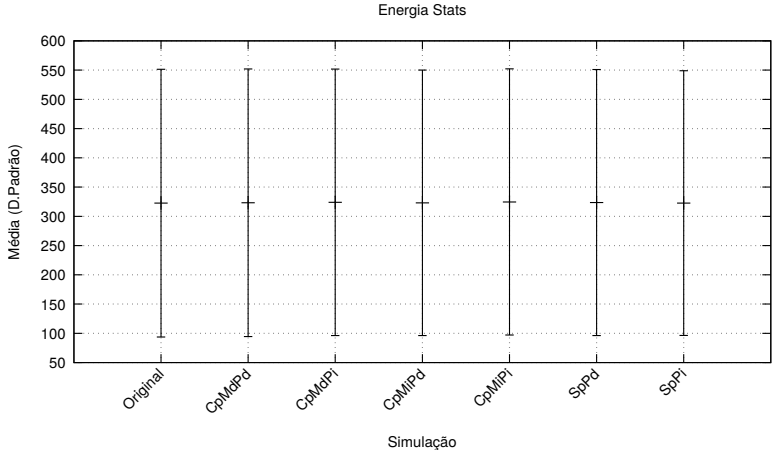
(b) SpPi

Tabela 27: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	3977.46215	700.94988	322.58024	228.87671
CpMdPd	3994.67099	684.48603	323.20636	228.66273
CpMdPi	4010.24314	662.04547	323.97019	227.81836
CpMiPd	4017.43782	662.97144	323.10627	226.94219
CpMiPi	4074.63145	645.08832	324.57026	227.53693
SpPd	3977.17961	650.90733	323.59341	227.36193
SpPi	4024.81721	645.28444	322.63196	226.29597

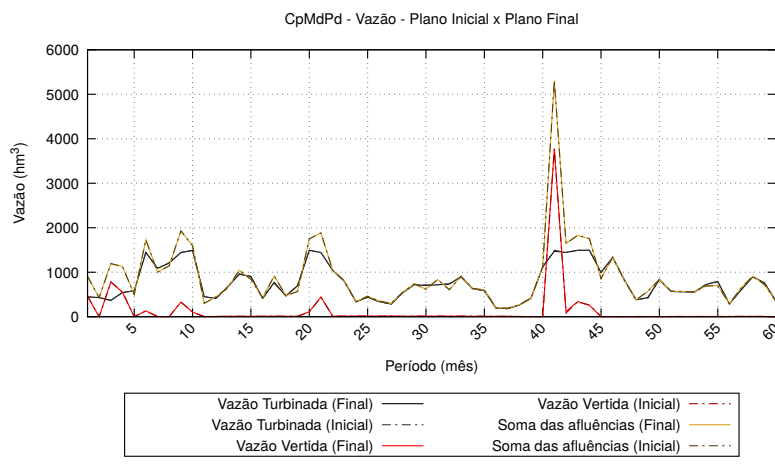


(a) Volume

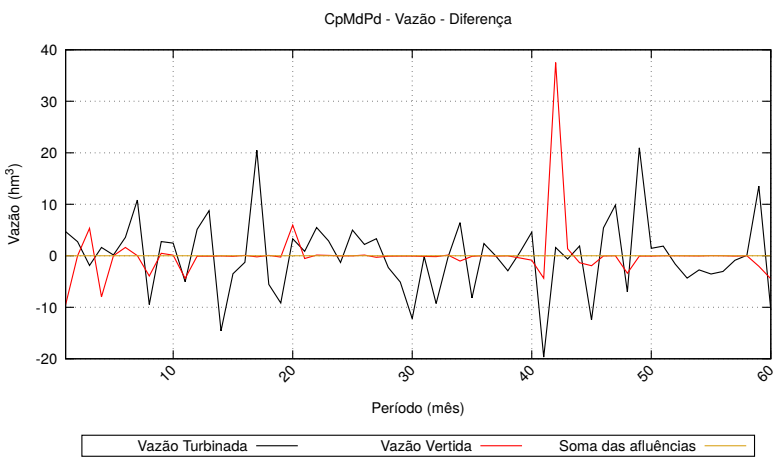


(b) Energia

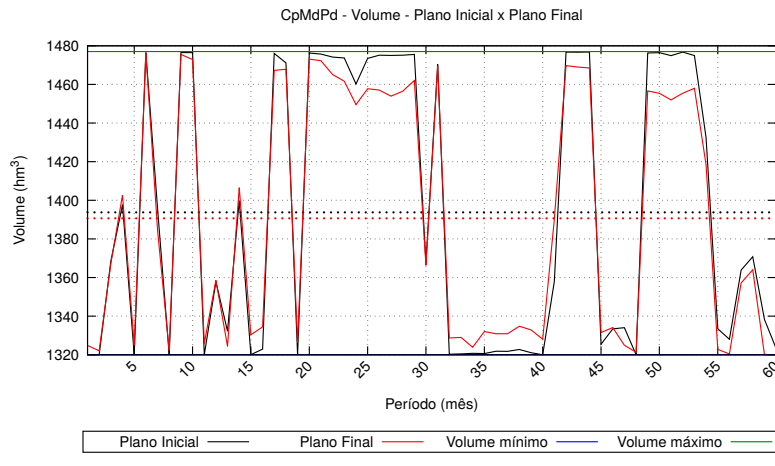
23.1 Resultados - CpMdPd



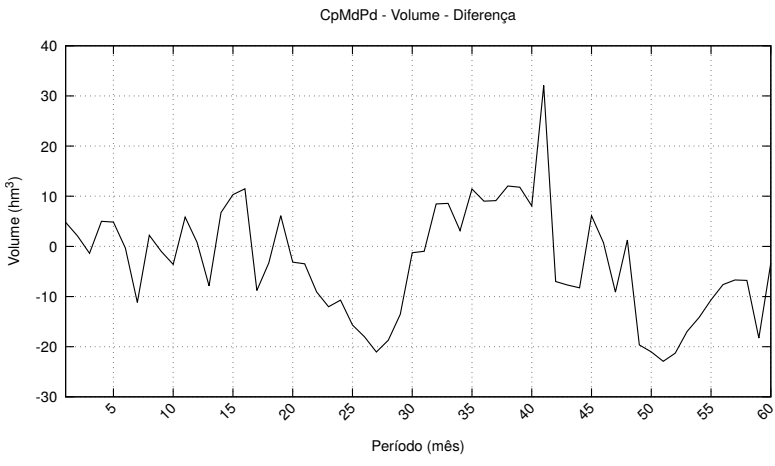
(a) CpMdPd



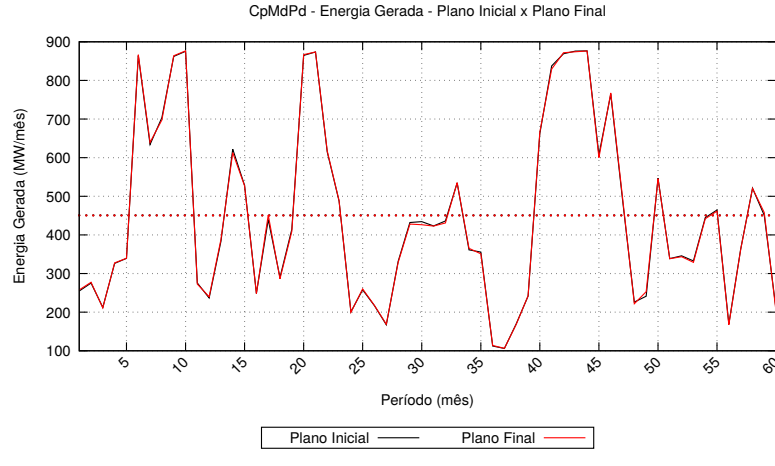
(b) CpMdPd



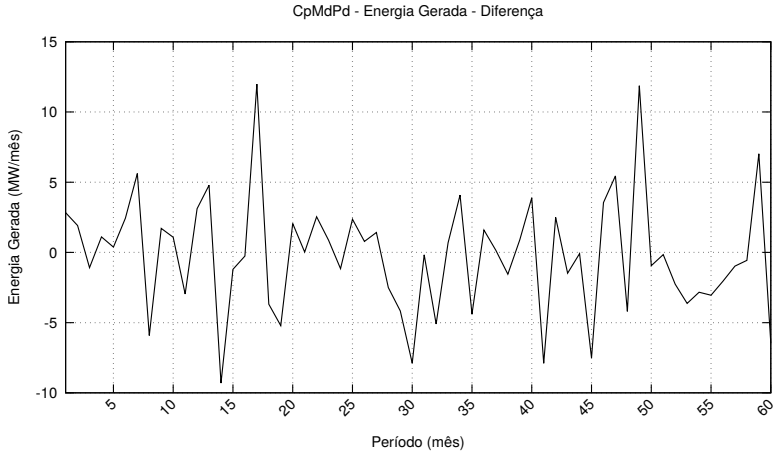
(a) CpMdPd



(b) CpMdPd



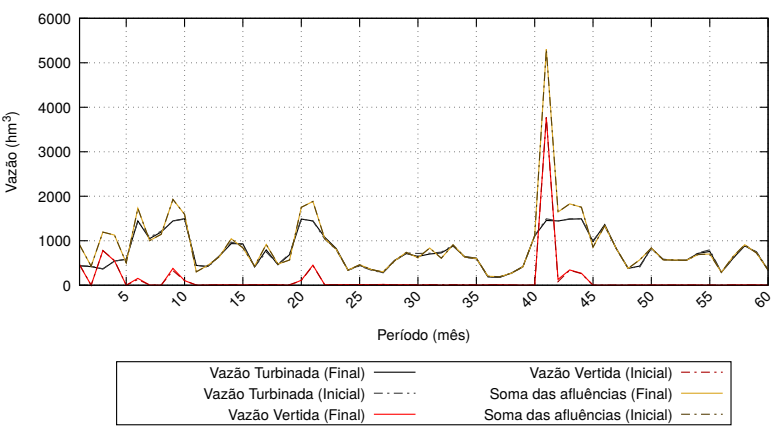
(a) CpMdPd



(b) CpMdPd

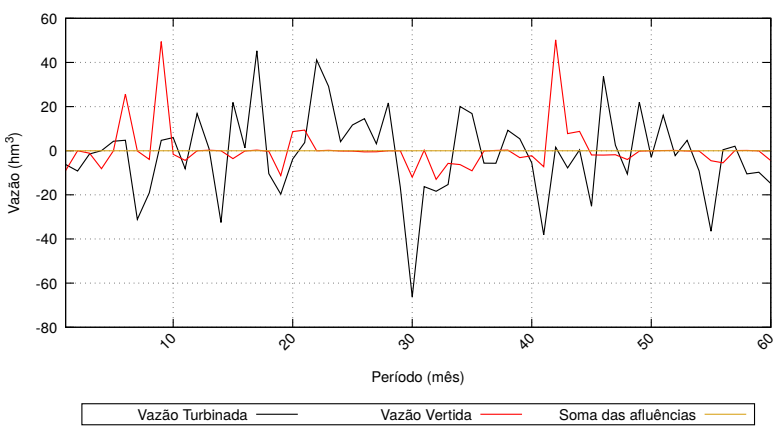
23.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



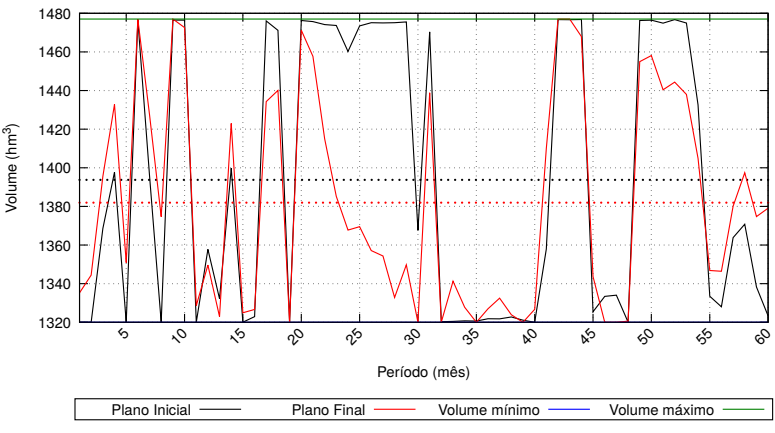
(a) CpMdPi

CpMdPi - Vazão - Diferença



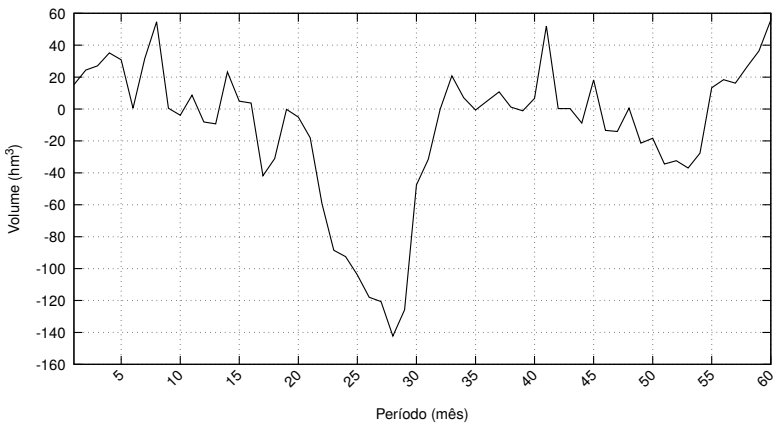
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



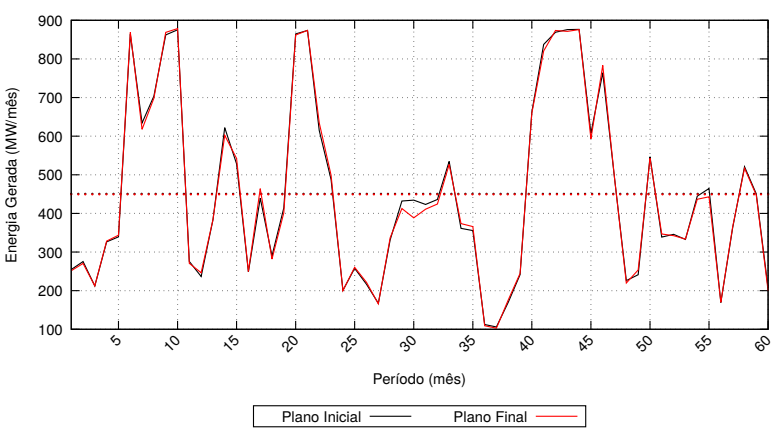
(a) CpMdPi

CpMdPi - Volume - Diferença



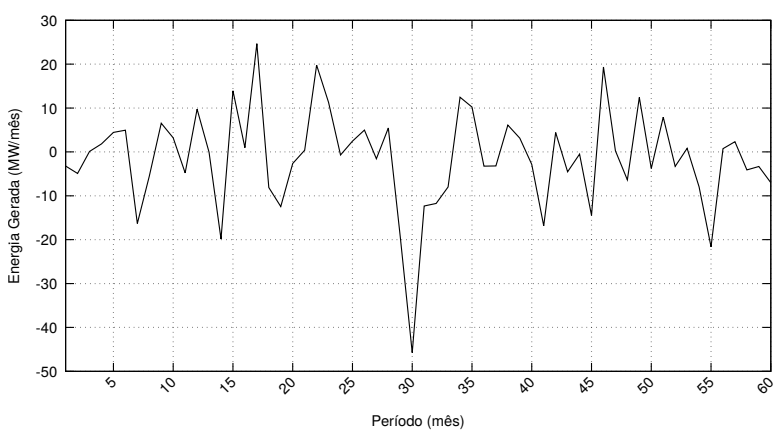
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

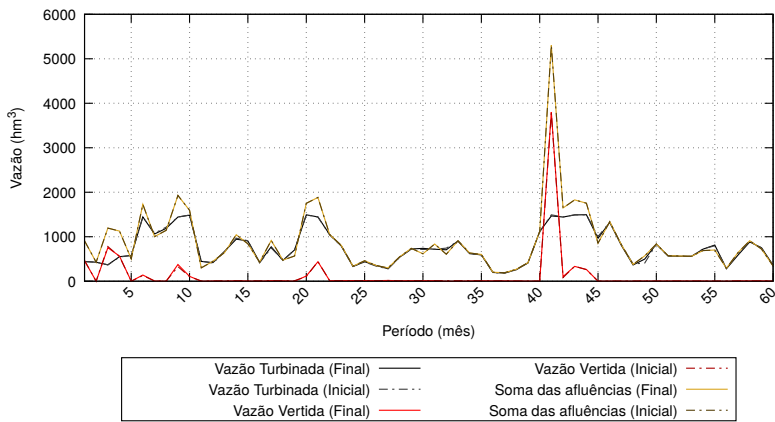
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

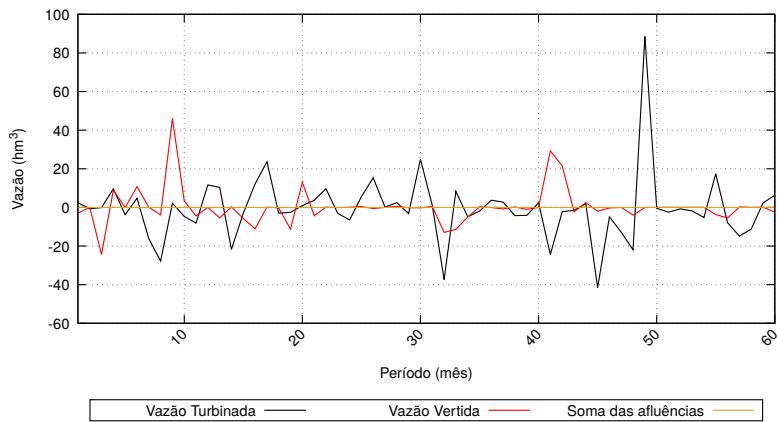
23.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



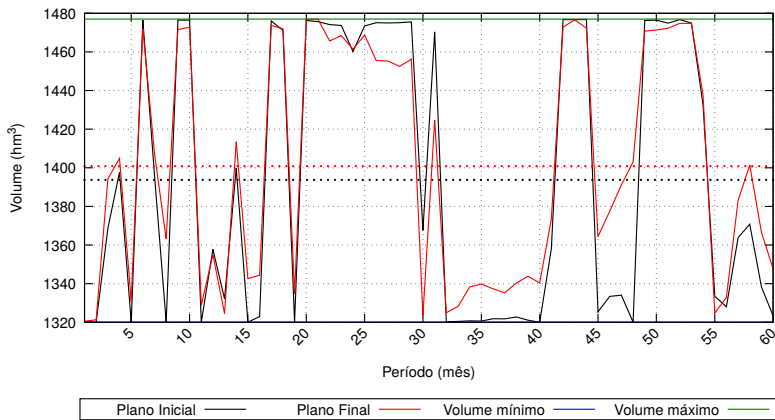
(a) CpMiPd

CpMiPd - Vazão - Diferença



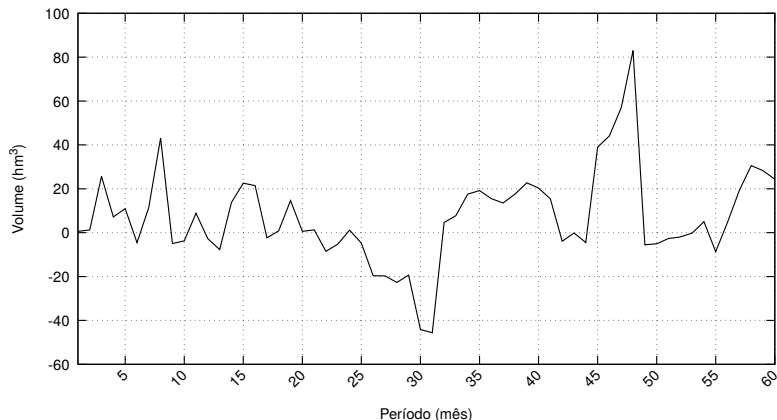
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



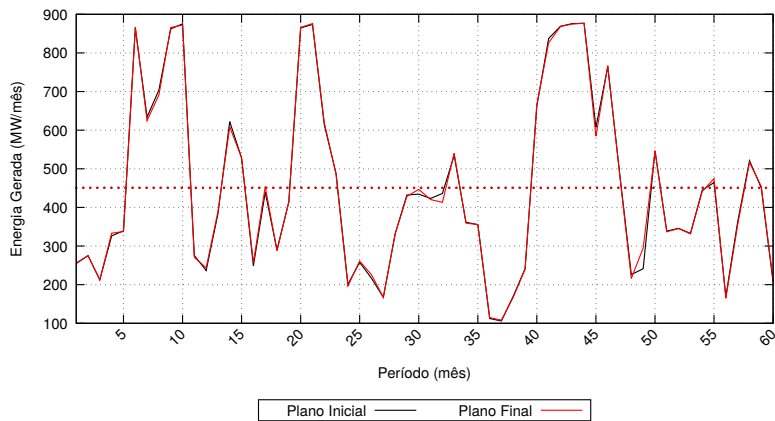
(a) CpMiPd

CpMiPd - Volume - Diferença



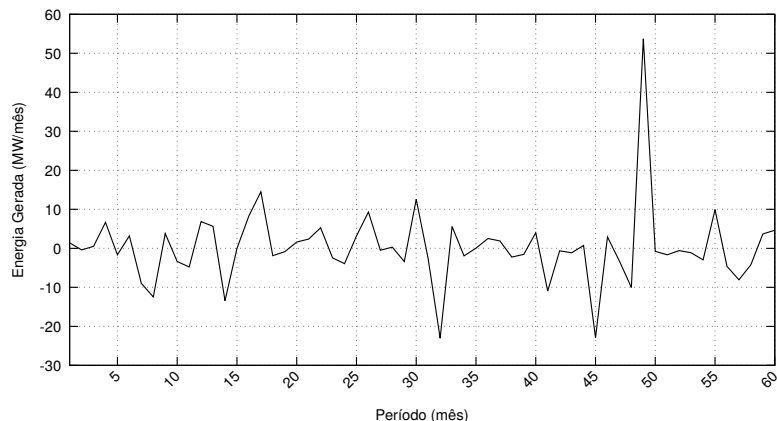
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

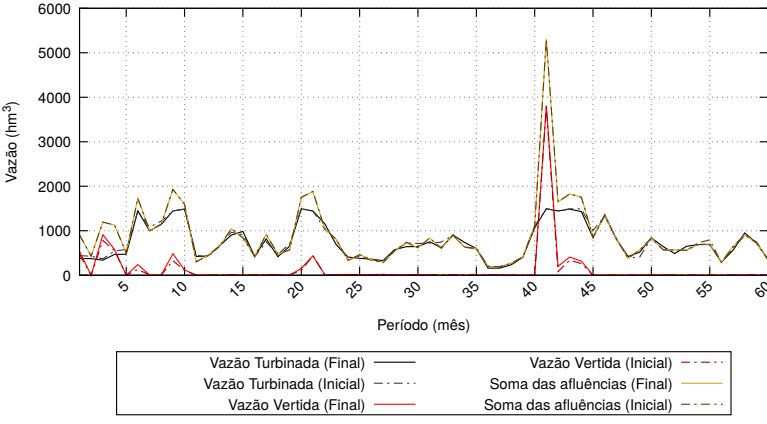
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

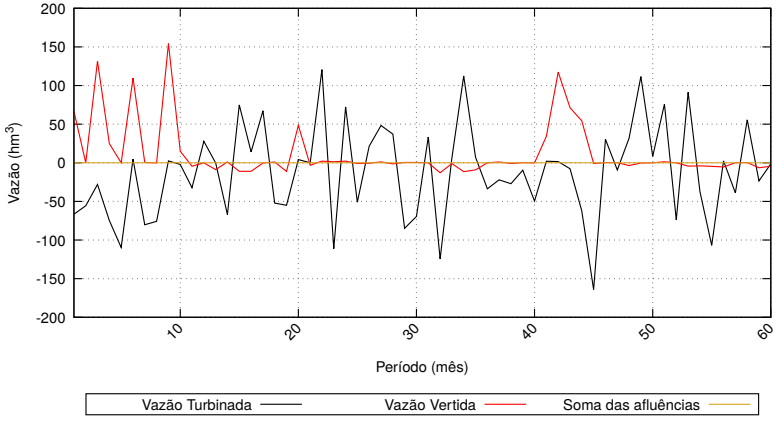
23.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



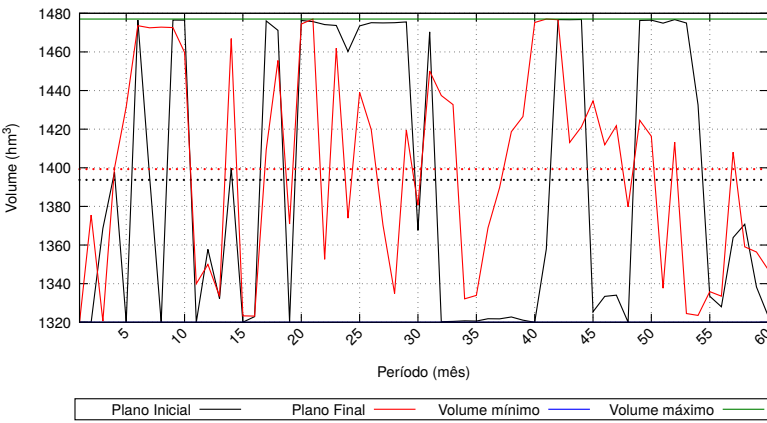
(a) CpMiPi

CpMiPi - Vazão - Diferença



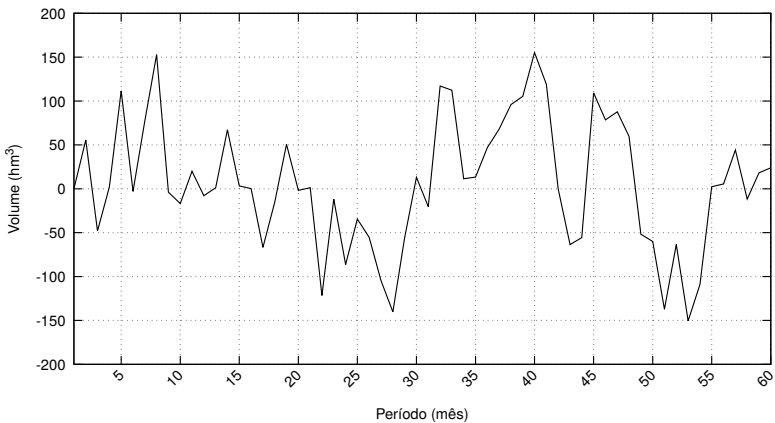
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



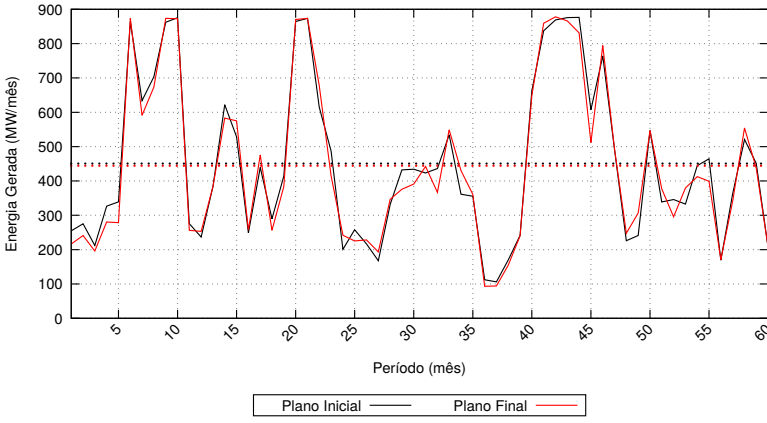
(a) CpMiPi

CpMiPi - Volume - Diferença



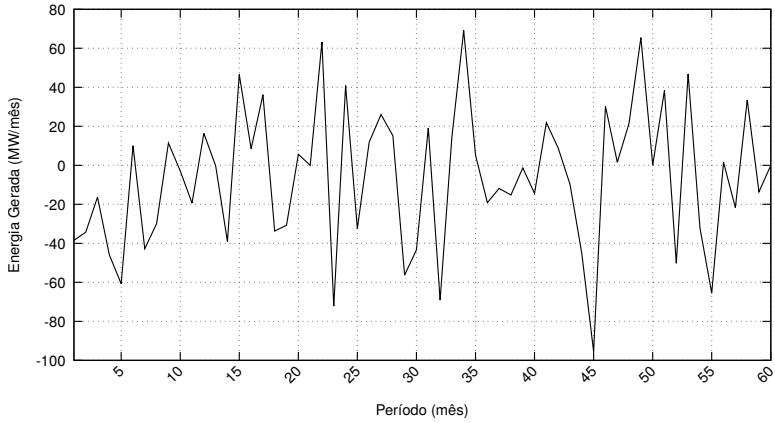
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

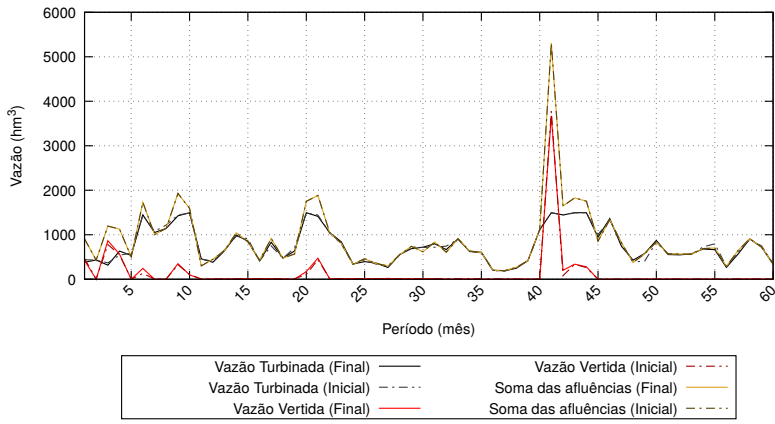
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

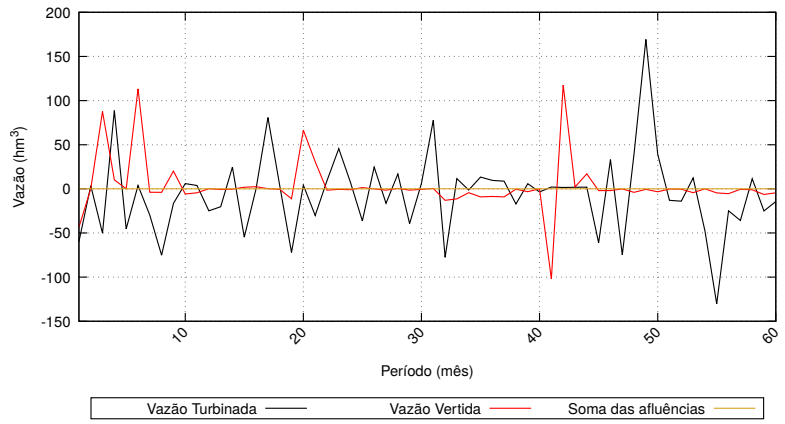
23.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



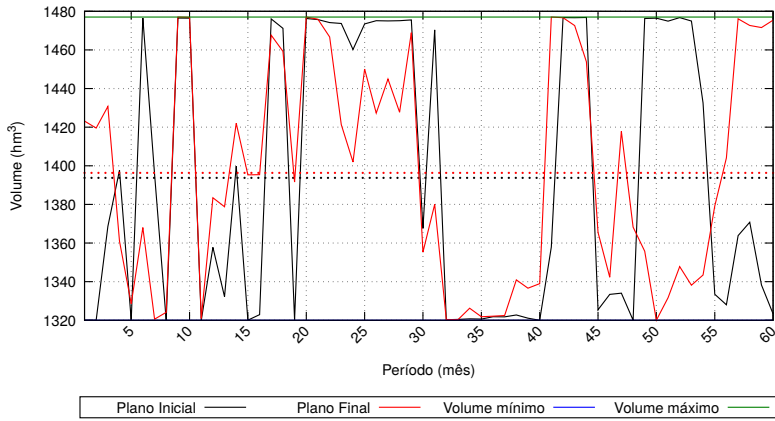
(a) SpPd

SpPd - Vazão - Diferença



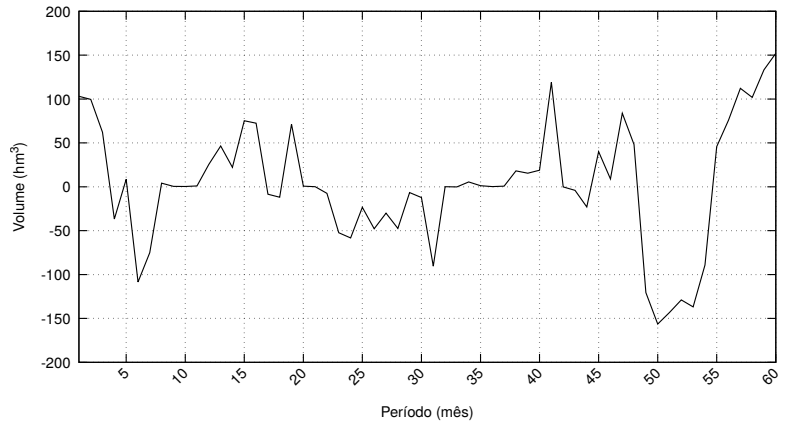
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



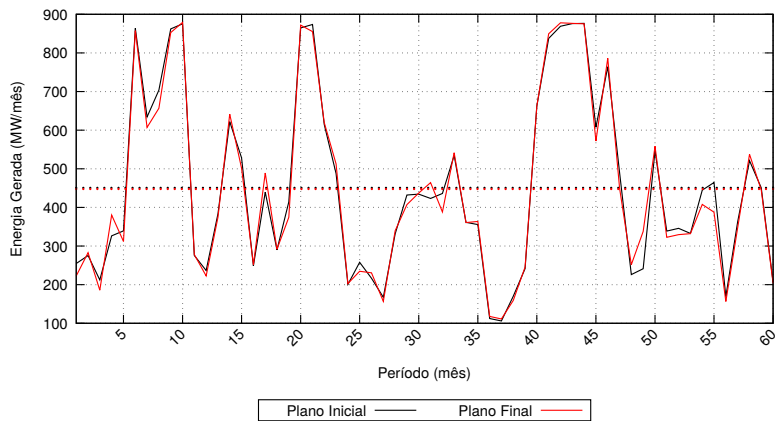
(a) SpPd

SpPd - Volume - Diferença



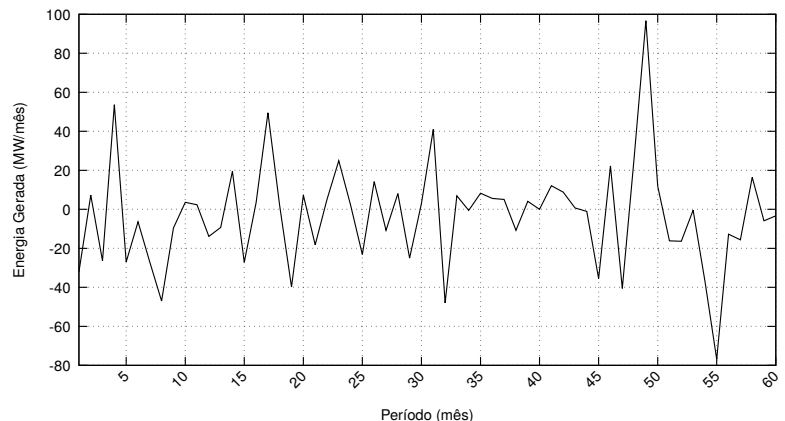
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

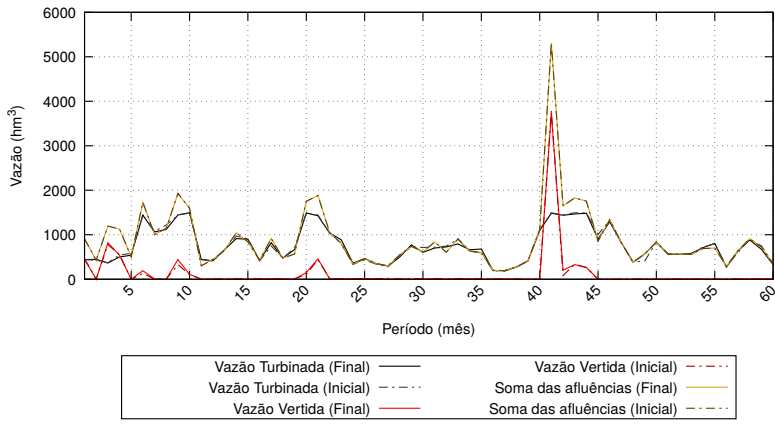
SpPd - Energia Gerada - Diferença



(b) SpPd

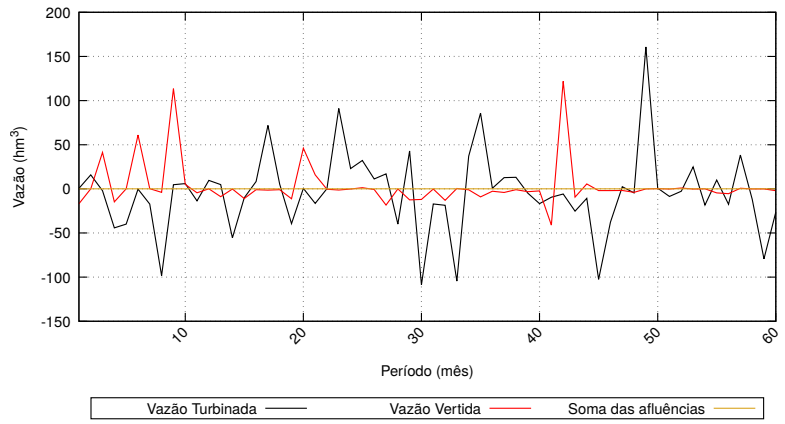
23.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



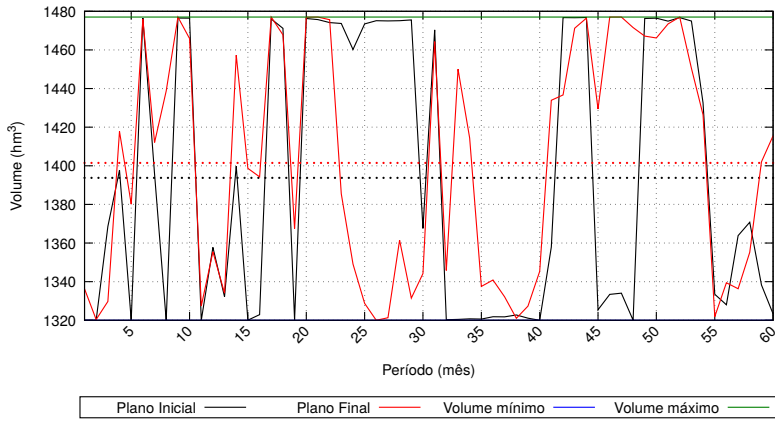
(a) SpPi

SpPi - Vazão - Diferença



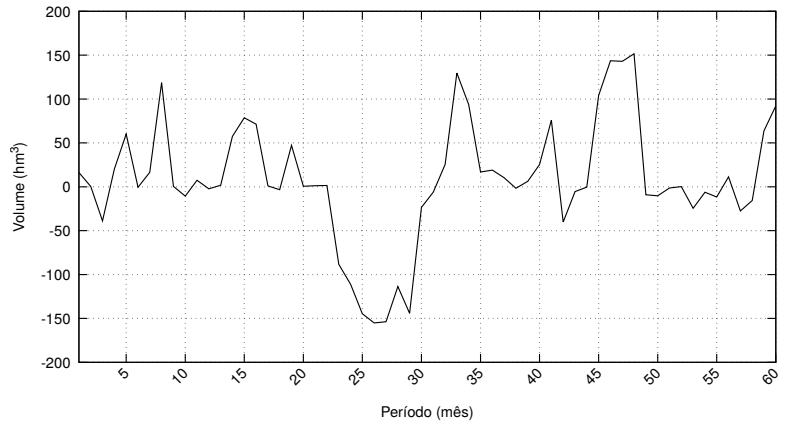
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



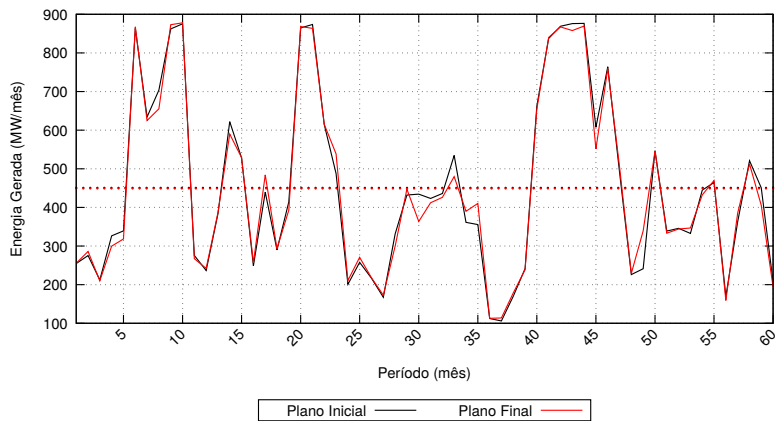
(a) SpPi

SpPi - Volume - Diferença



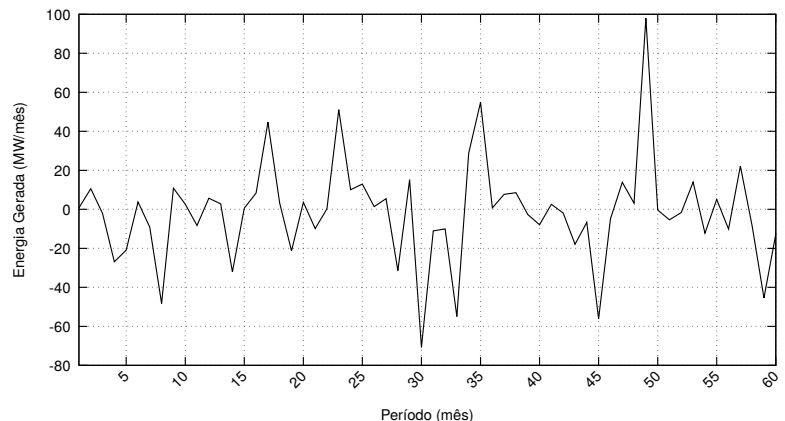
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

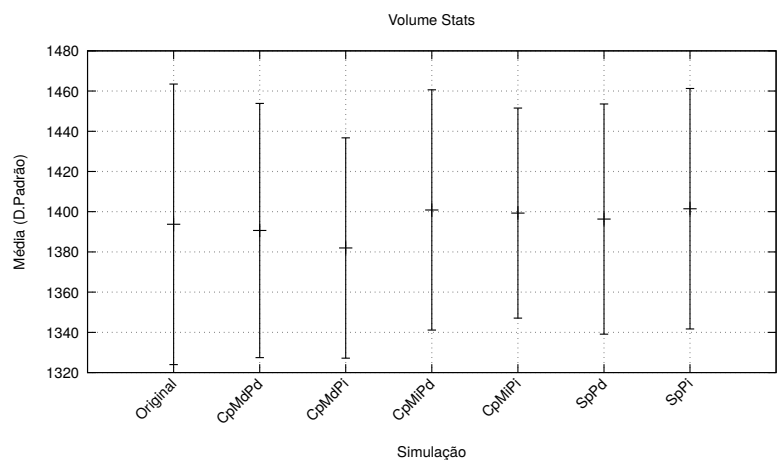
SpPi - Energia Gerada - Diferença



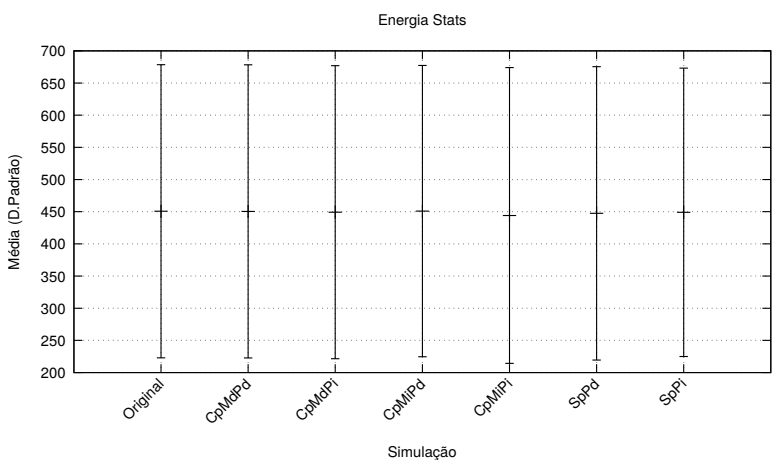
(b) SpPi

Tabela 28: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	1393.73163	69.74163	450.69118	227.80838
CpMdPd	1390.65687	63.22190	450.49135	227.83703
CpMdPi	1381.96056	54.79586	449.27139	227.70677
CpMiPd	1400.85943	59.74315	450.89830	226.35352
CpMiPi	1399.29472	52.24068	444.13149	229.86442
SpPd	1396.34815	57.22776	447.48316	227.96857
SpPi	1401.47313	59.79461	449.04648	224.14059

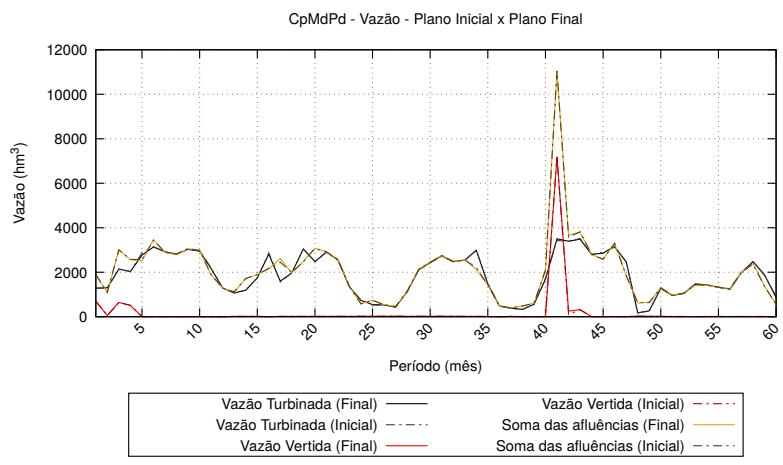


(a) Volume

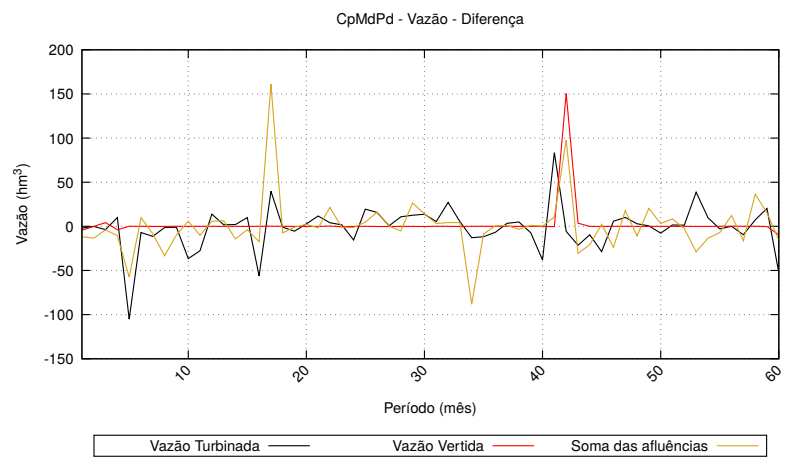


(b) Energia

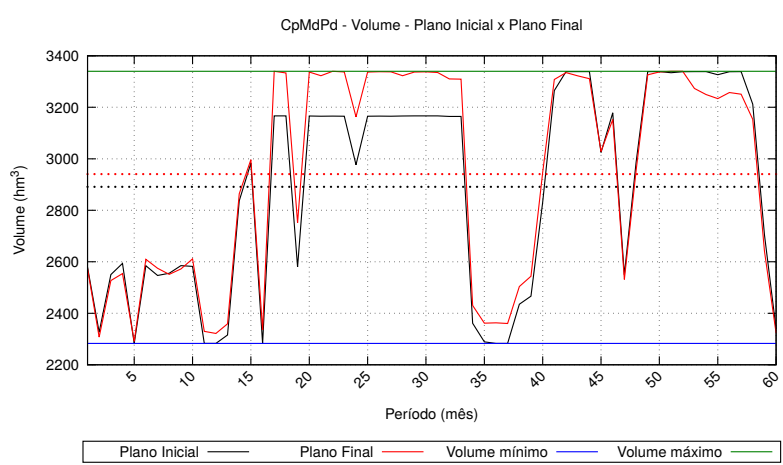
24.1 Resultados - CpMdpd



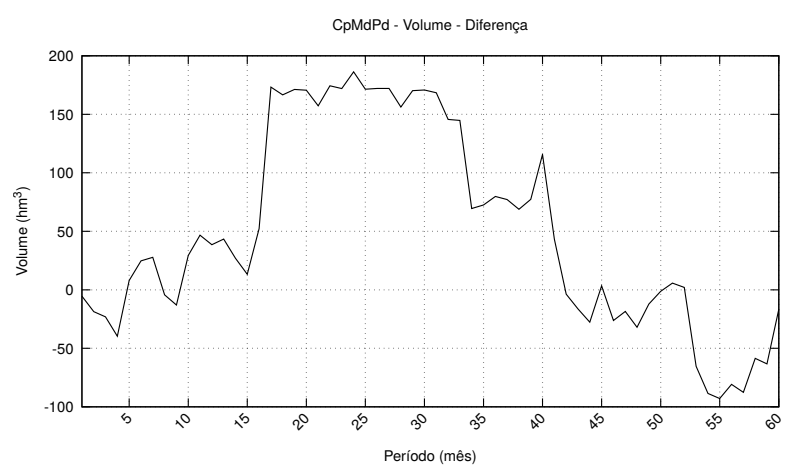
(a) CpMdpd



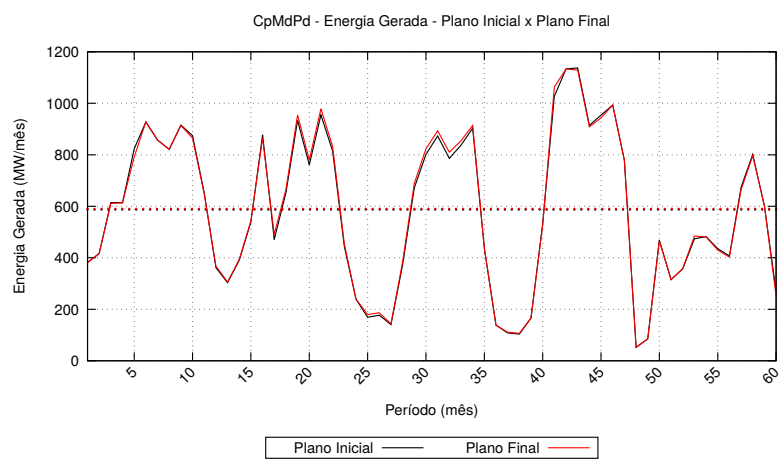
(b) CpMdpd



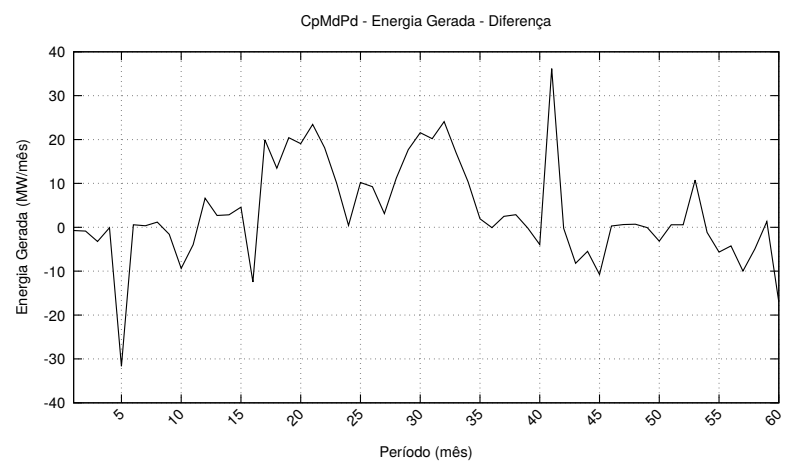
(a) CpMdpd



(b) CpMdpd



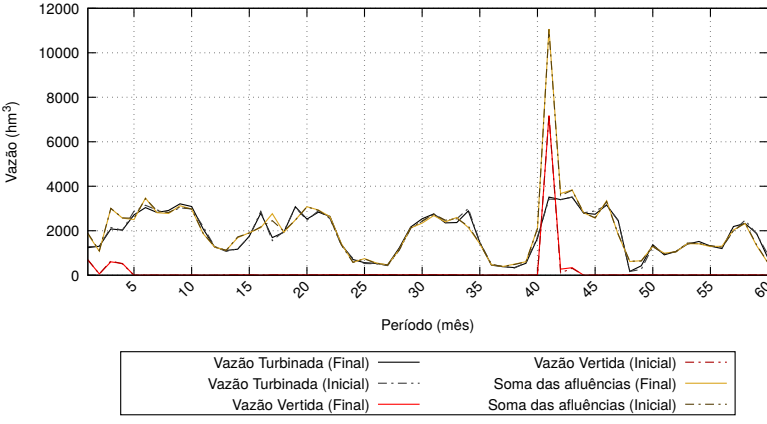
(a) CpMdpd



(b) CpMdpd

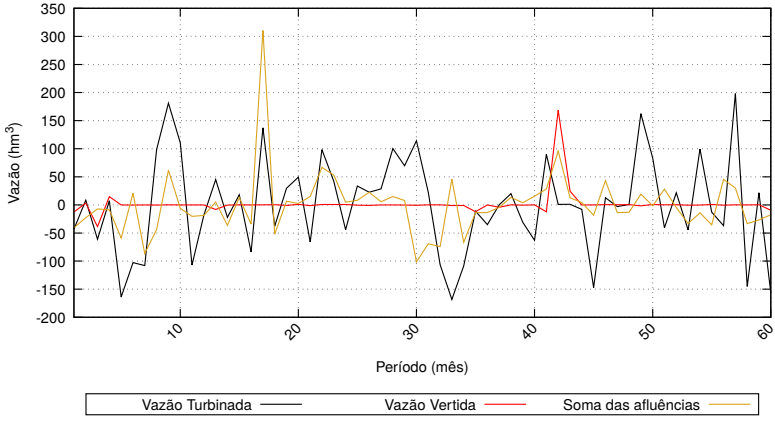
24.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



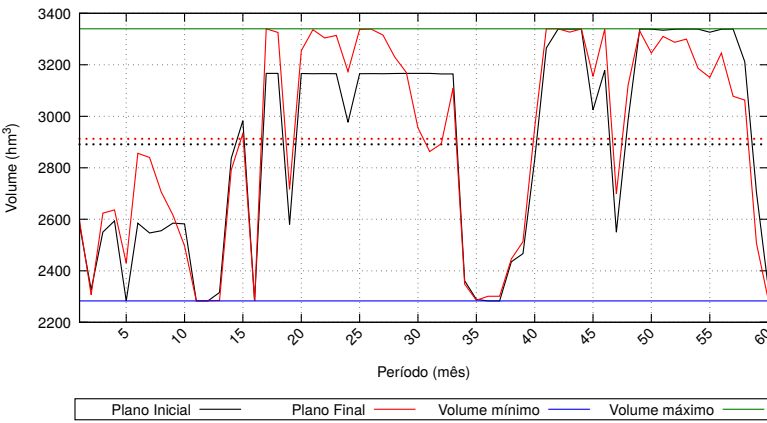
(a) CpMdPi

CpMdPi - Vazão - Diferença



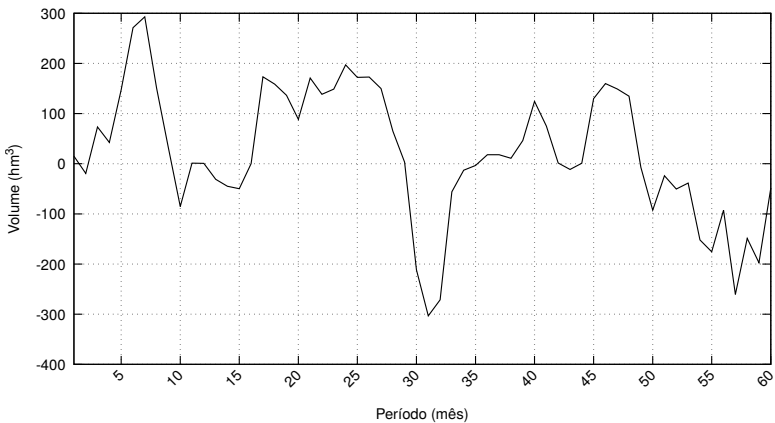
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



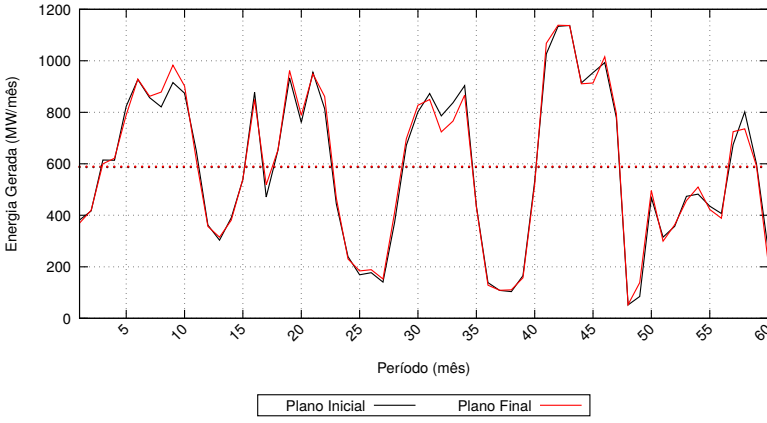
(a) CpMdPi

CpMdPi - Volume - Diferença



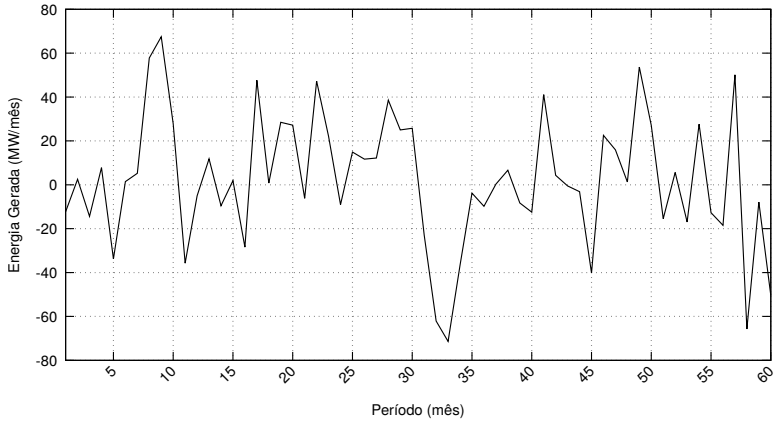
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

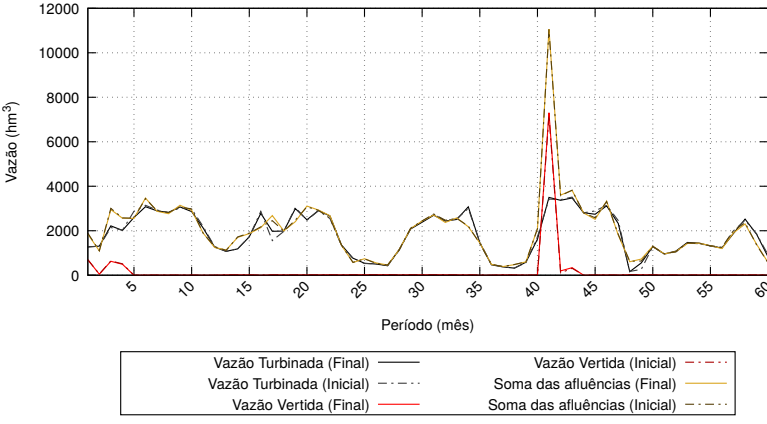
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

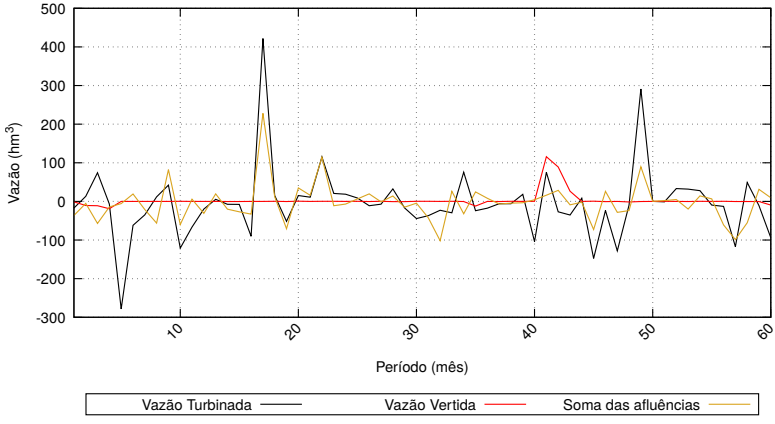
24.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



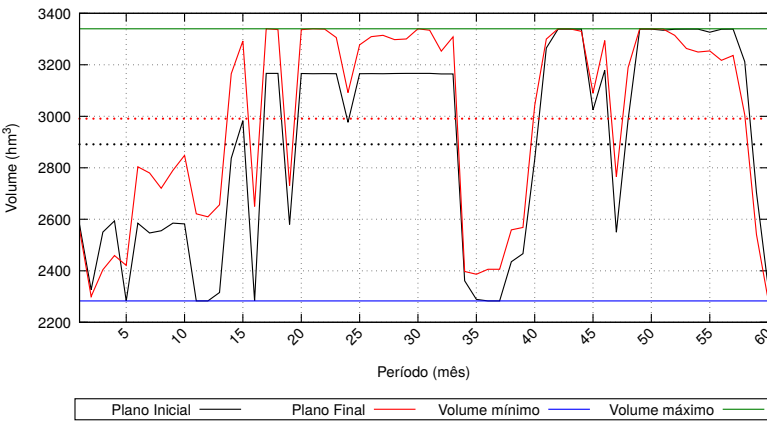
(a) CpMiPd

CpMiPd - Vazão - Diferença



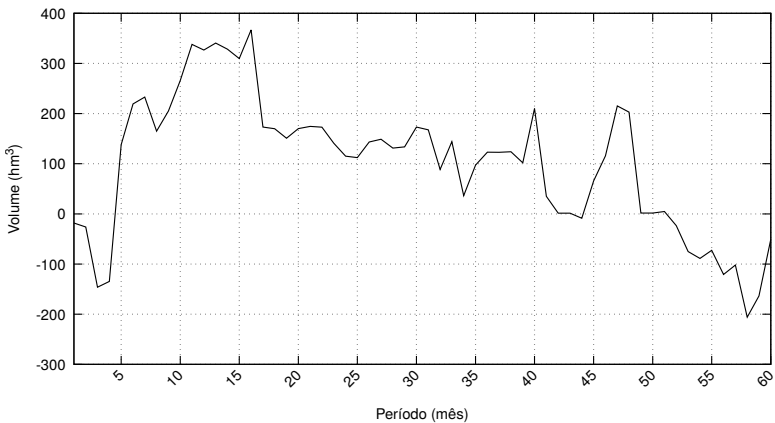
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



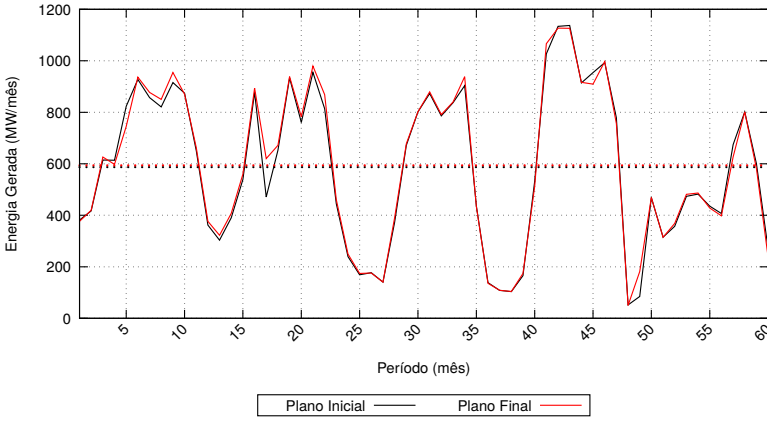
(a) CpMiPd

CpMiPd - Volume - Diferença



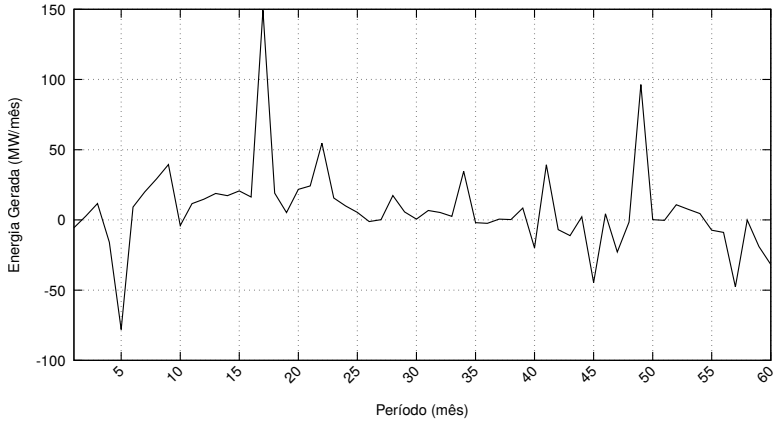
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

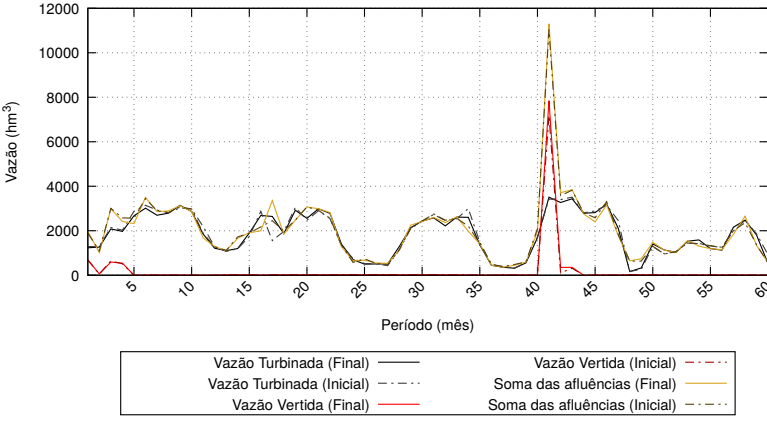
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

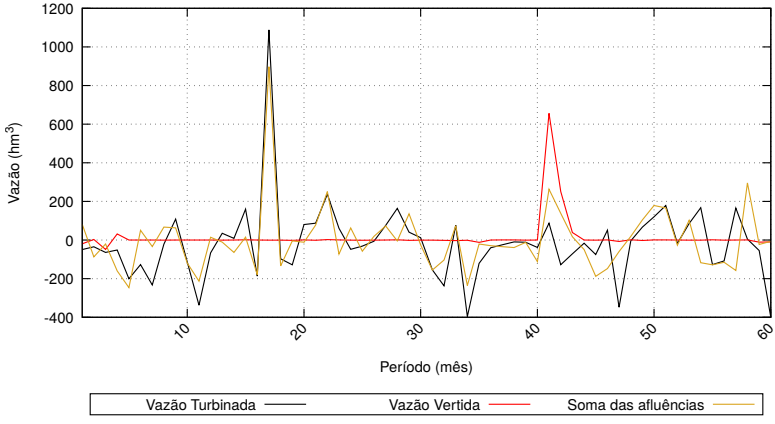
24.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



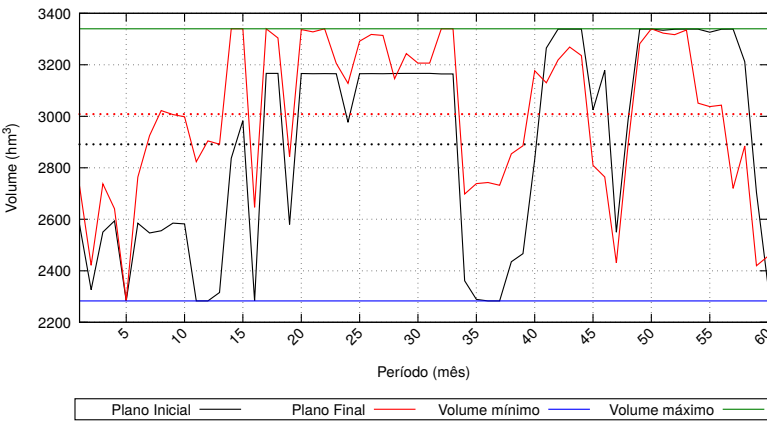
(a) CpMiPi

CpMiPi - Vazão - Diferença



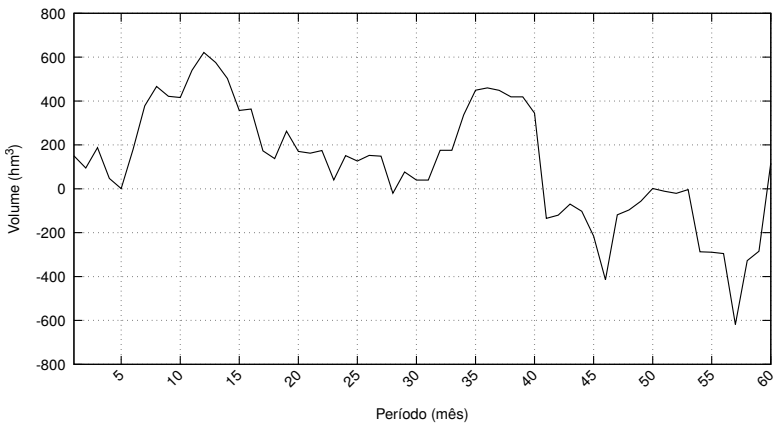
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



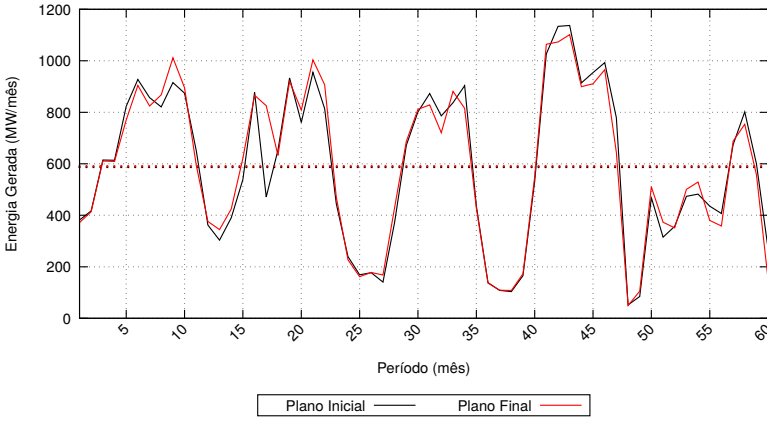
(a) CpMiPi

CpMiPi - Volume - Diferença



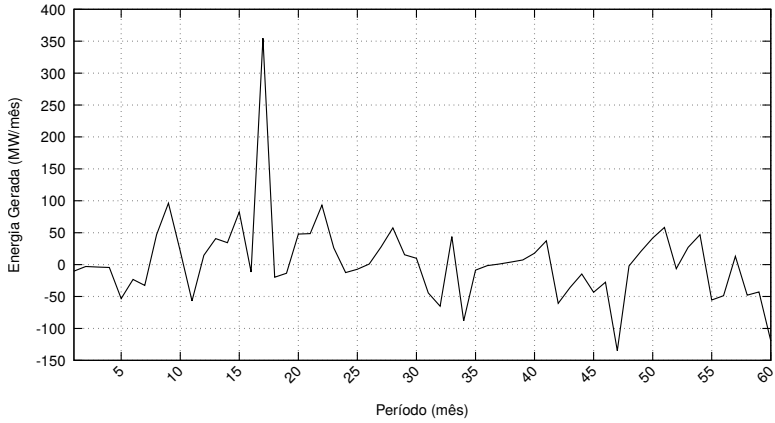
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



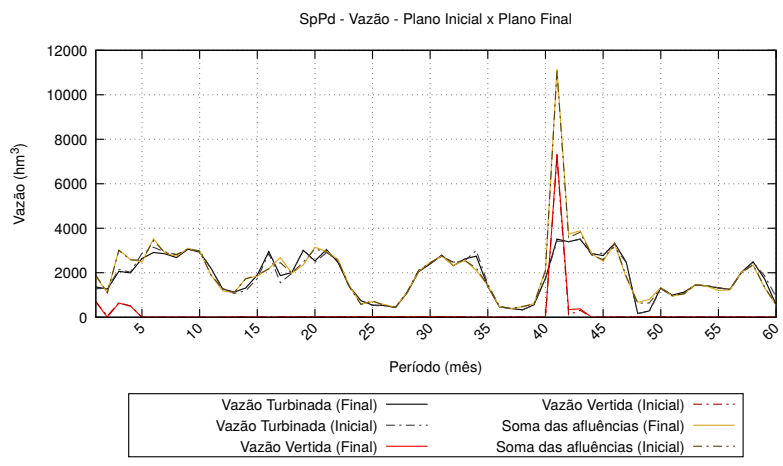
(a) CpMiPi

CpMiPi - Energia Gerada - Diferença

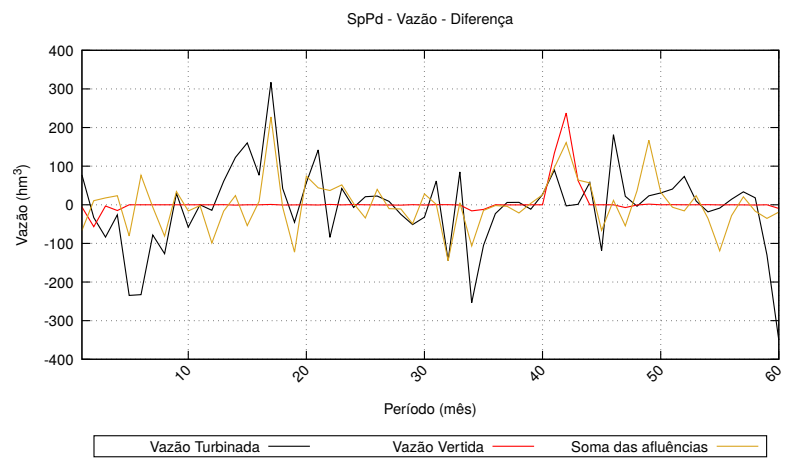


(b) CpMiPi

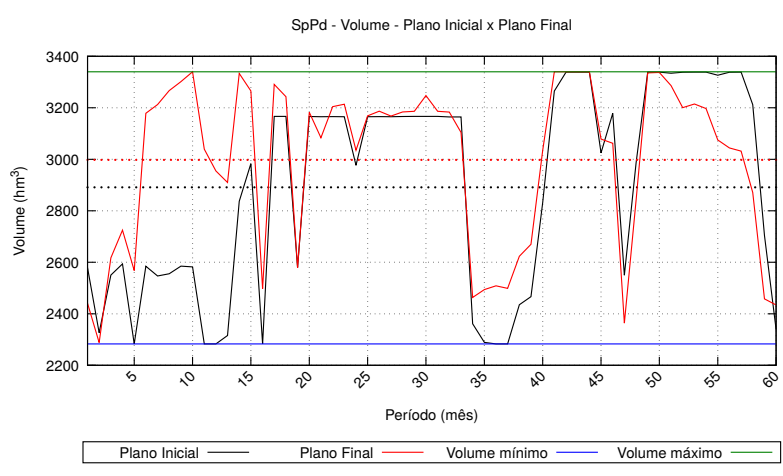
24.5 Resultados - SpPd



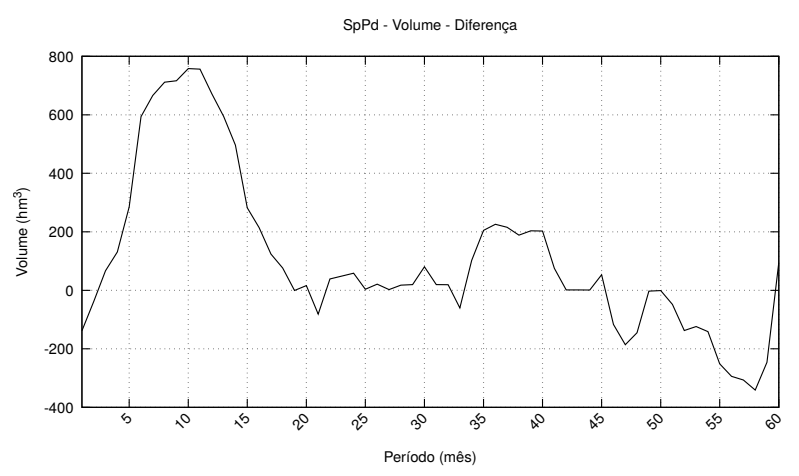
(a) SpPd



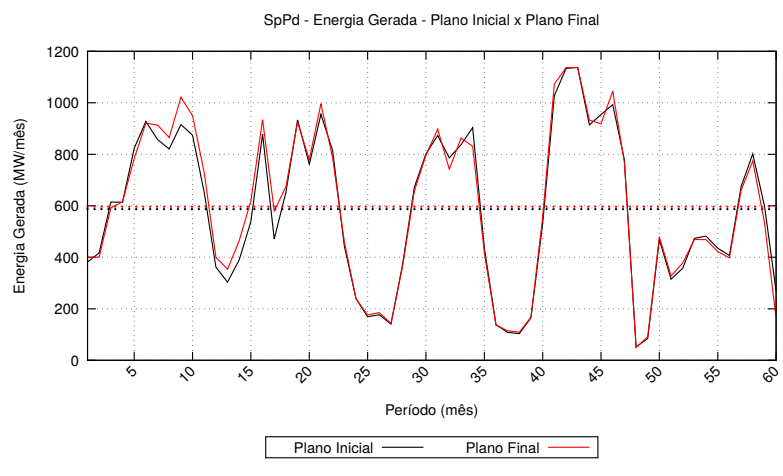
(b) SpPd



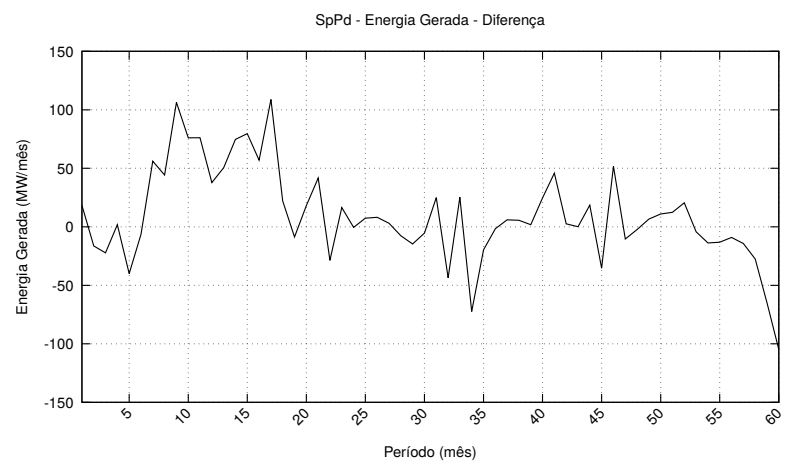
(a) SpPd



(b) SpPd



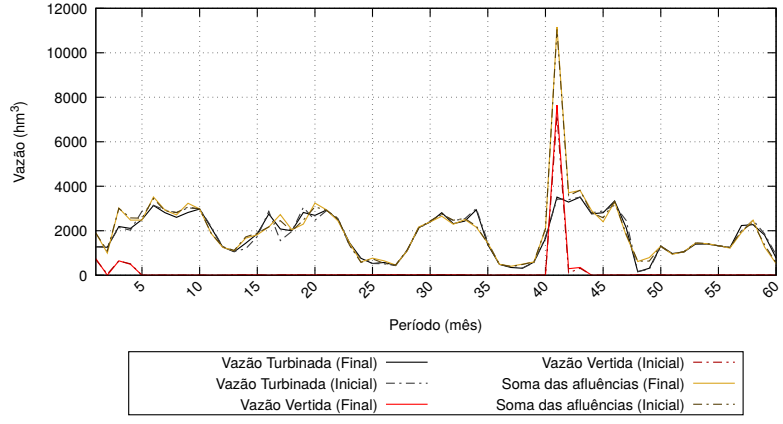
(a) SpPd



(b) SpPd

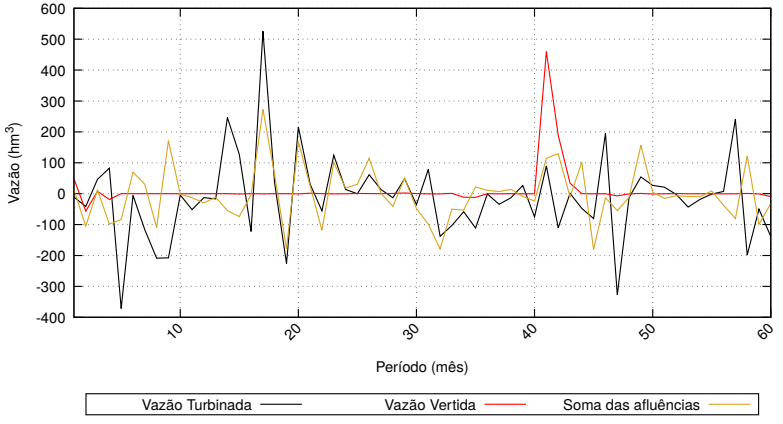
24.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



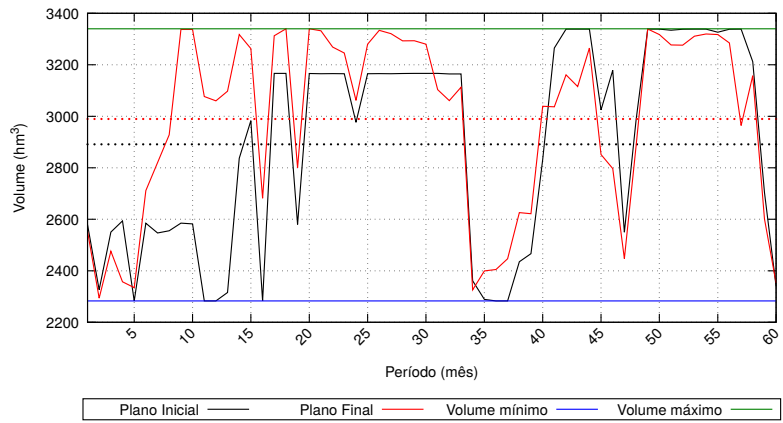
(a) SpPi

SpPi - Vazão - Diferença



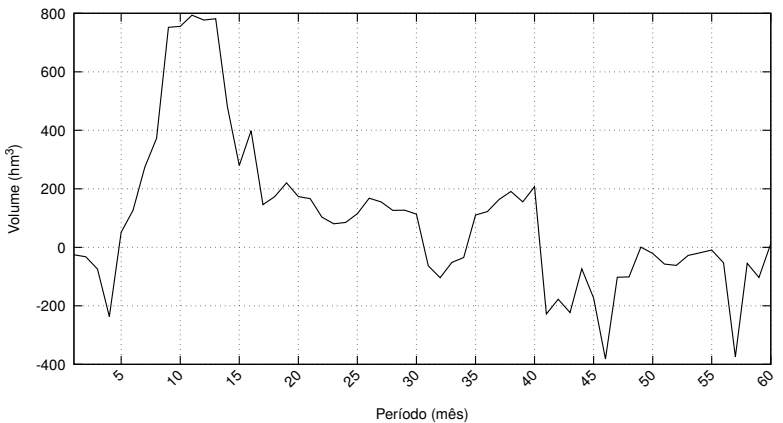
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



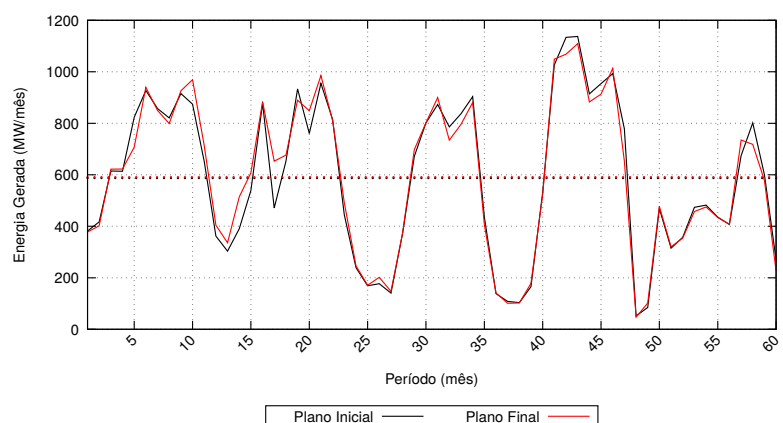
(a) SpPi

SpPi - Volume - Diferença



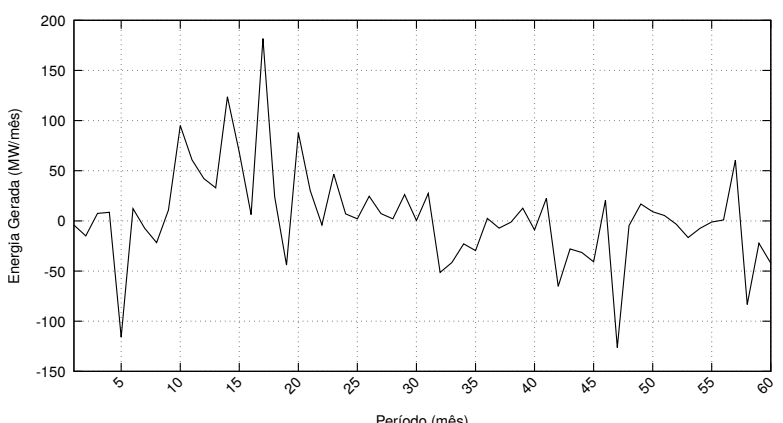
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

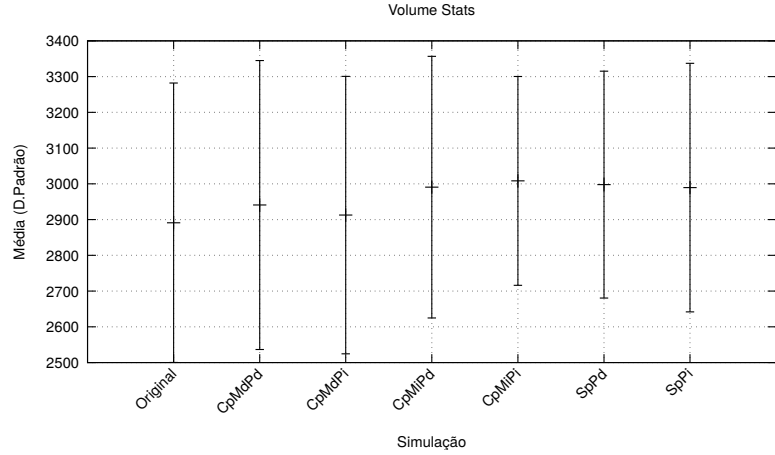
SpPi - Energia Gerada - Diferença



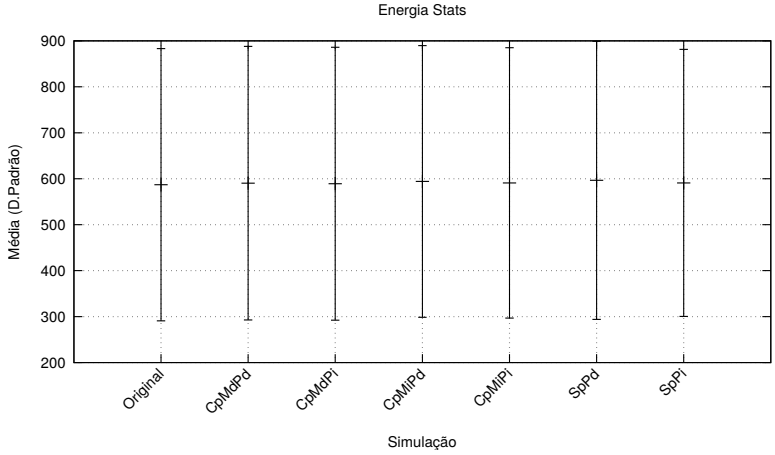
(b) SpPi

Tabela 29: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	2891.16499	390.79629	586.91502	296.18680
CpMdPd	2940.72876	404.26725	590.38476	297.67283
CpMdPi	2912.54137	388.19648	589.06769	296.84804
CpMiPd	2990.67529	365.84513	594.13921	295.53459
CpMiPi	3008.24164	292.12488	590.84864	294.16274
SpPd	2997.81955	317.32767	596.49181	302.55241
SpPi	2989.42360	347.67852	590.89747	290.48842

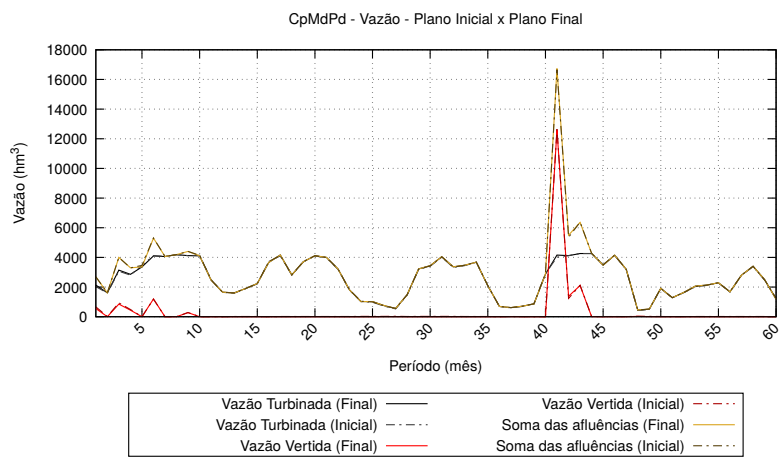


(a) Volume

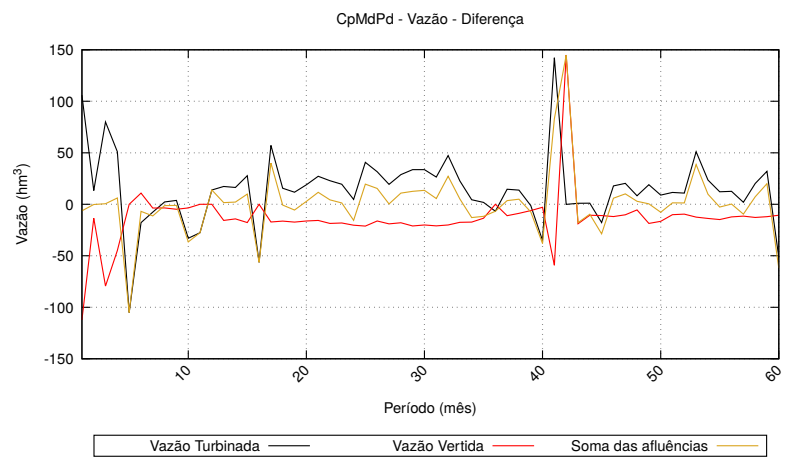


(b) Energia

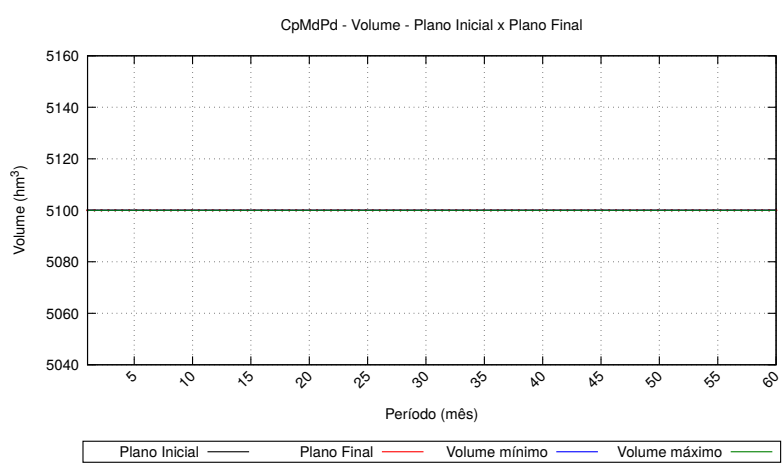
25.1 Resultados - CpMdPd



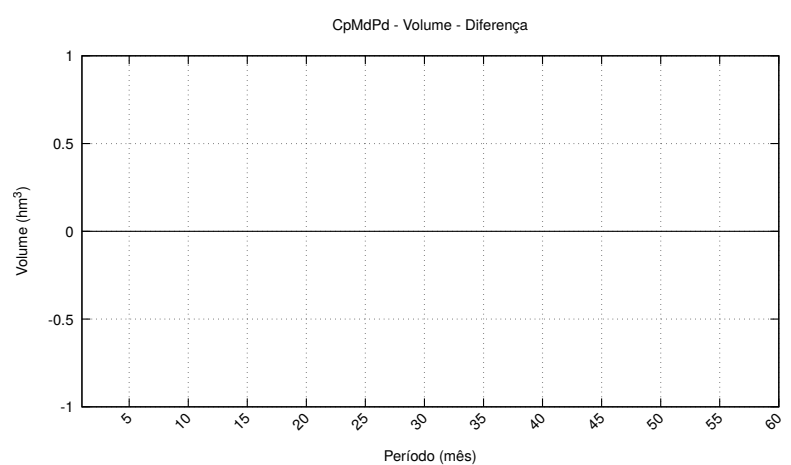
(a) CpMdPd



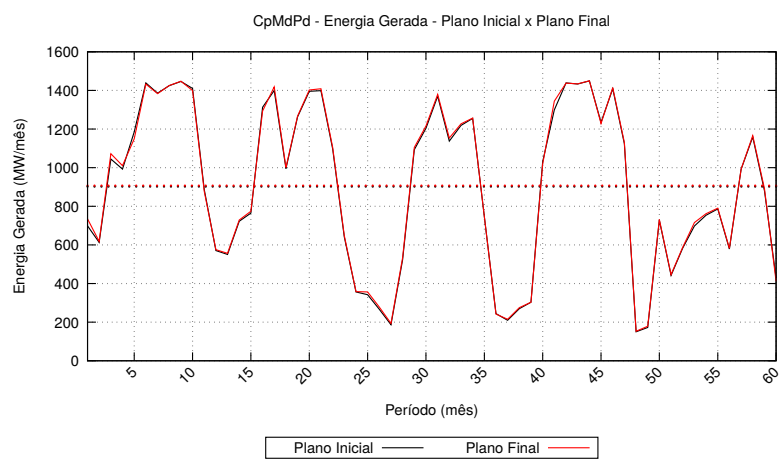
(b) CpMdPd



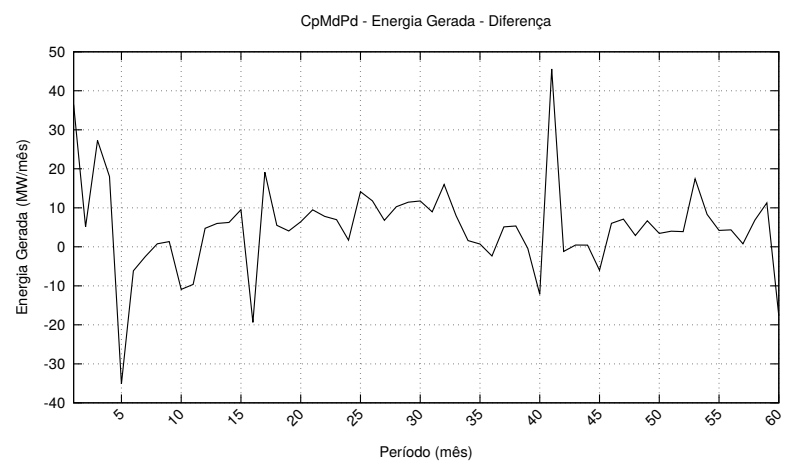
(a) CpMdPd



(b) CpMdPd



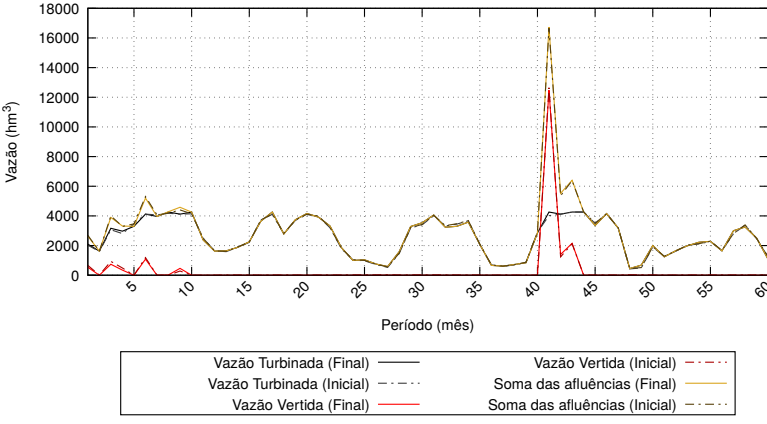
(a) CpMdPd



(b) CpMdPd

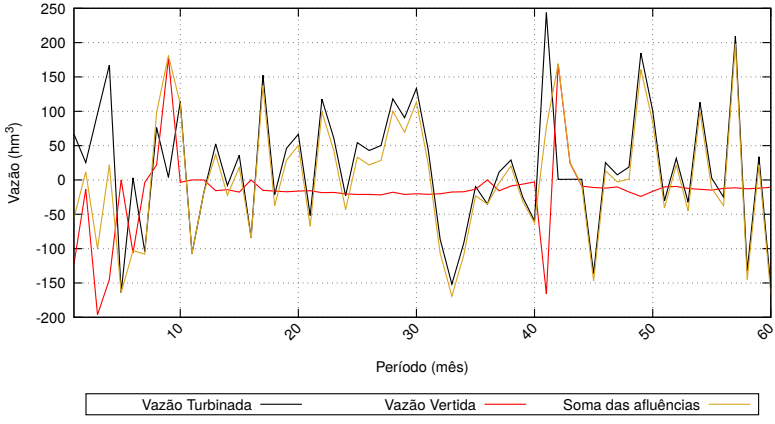
25.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



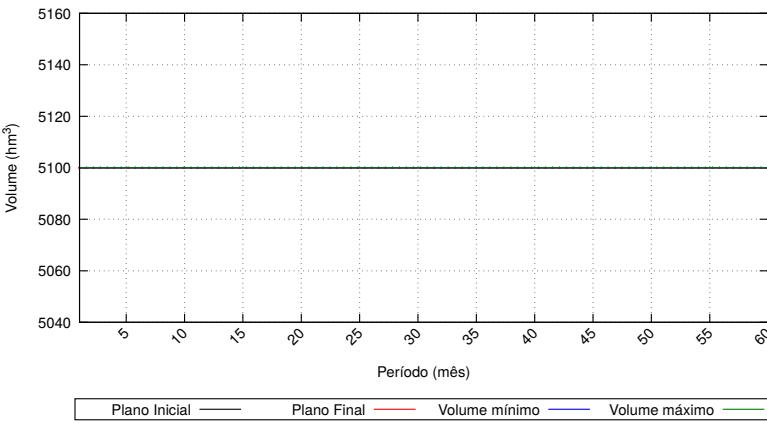
(a) CpMdPi

CpMdPi - Vazão - Diferença



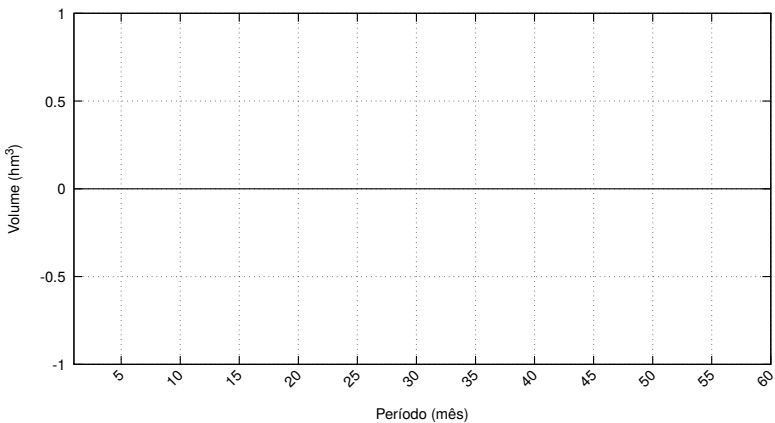
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



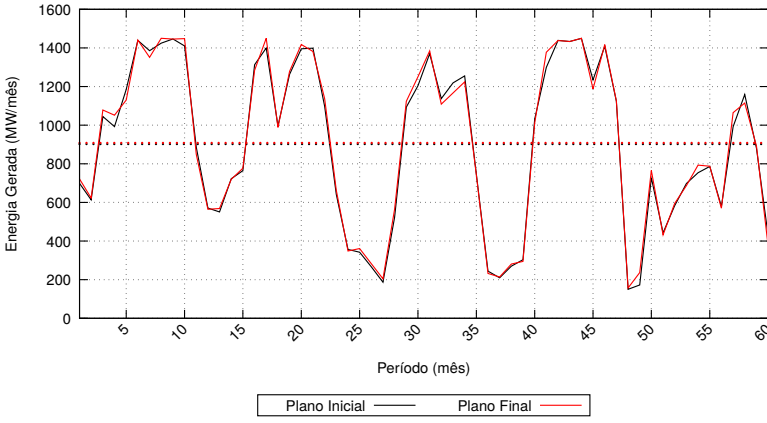
(a) CpMdPi

CpMdPi - Volume - Diferença



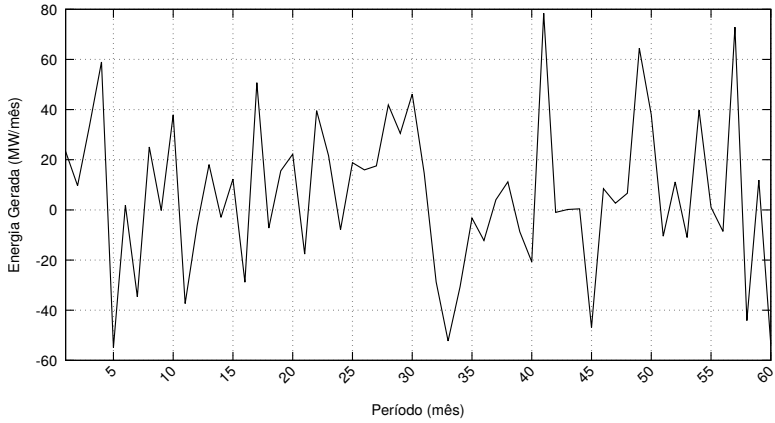
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

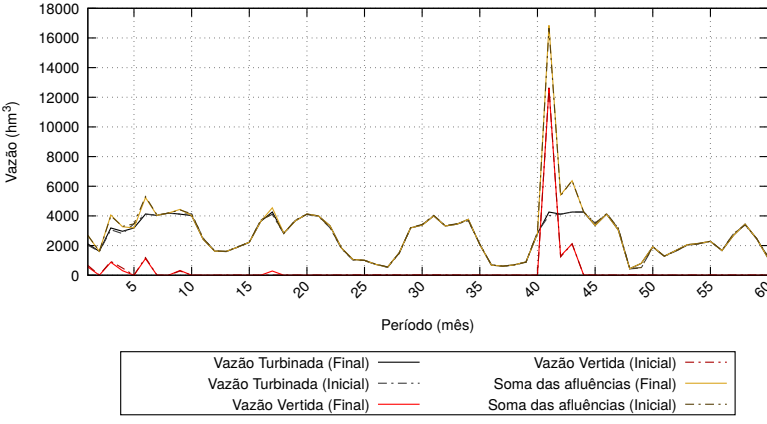
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

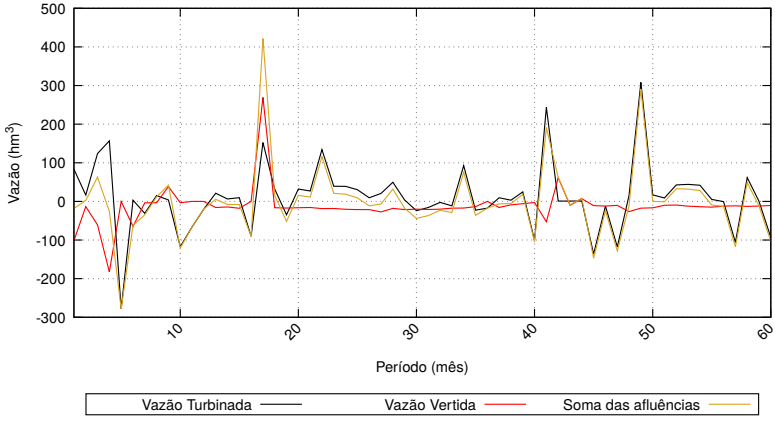
25.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



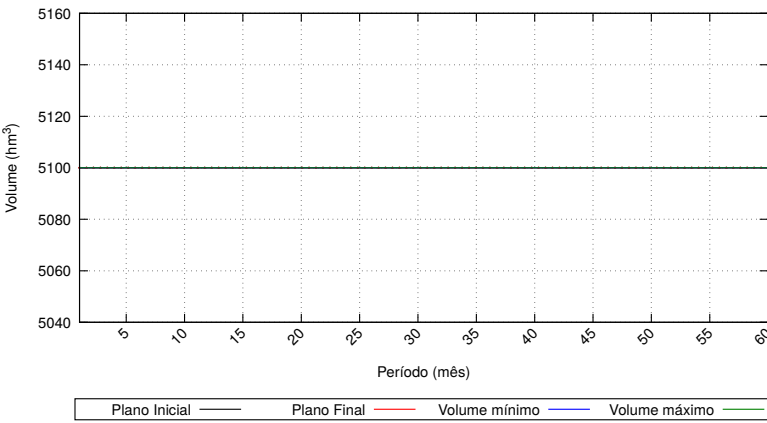
(a) CpMiPd

CpMiPd - Vazão - Diferença



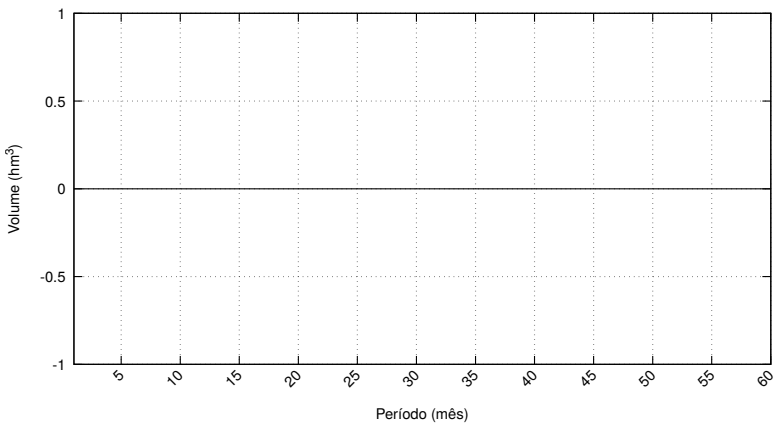
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



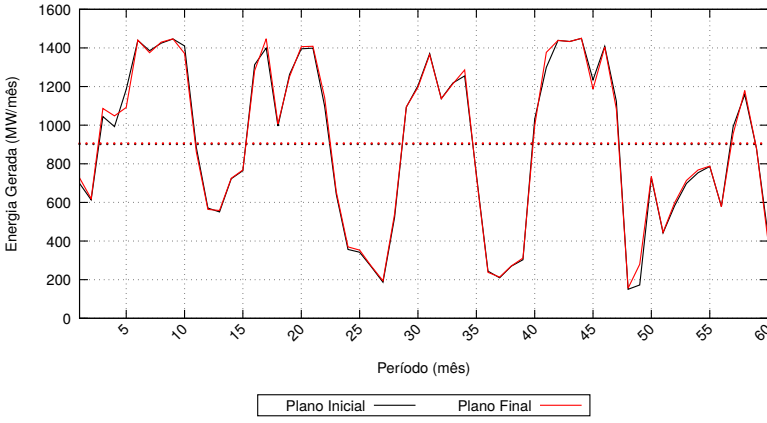
(a) CpMiPd

CpMiPd - Volume - Diferença



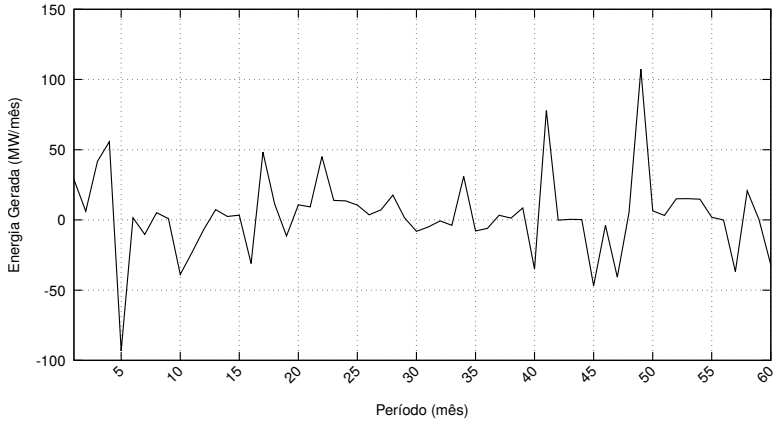
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

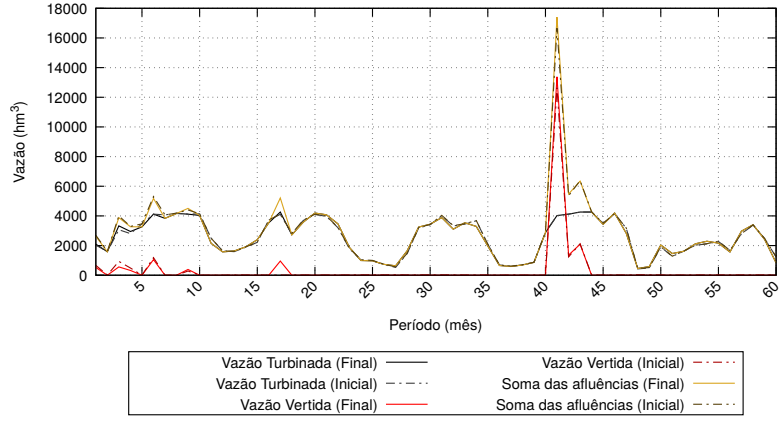
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

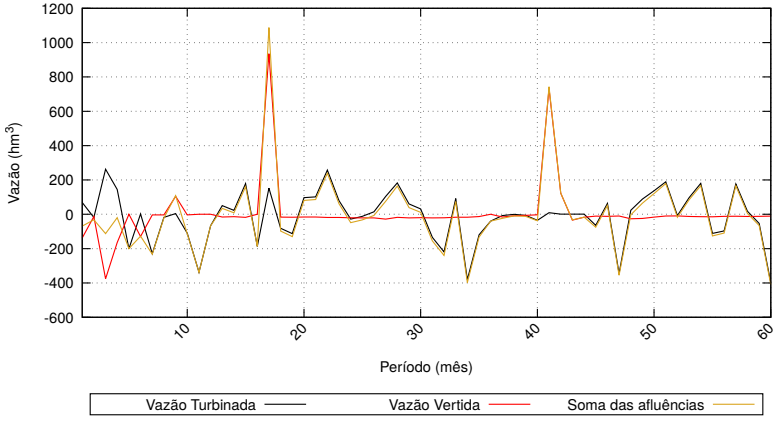
25.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



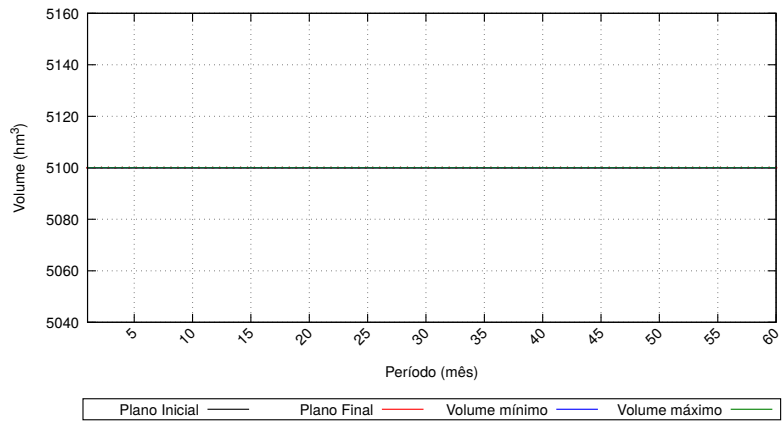
(a) CpMiPi

CpMiPi - Vazão - Diferença



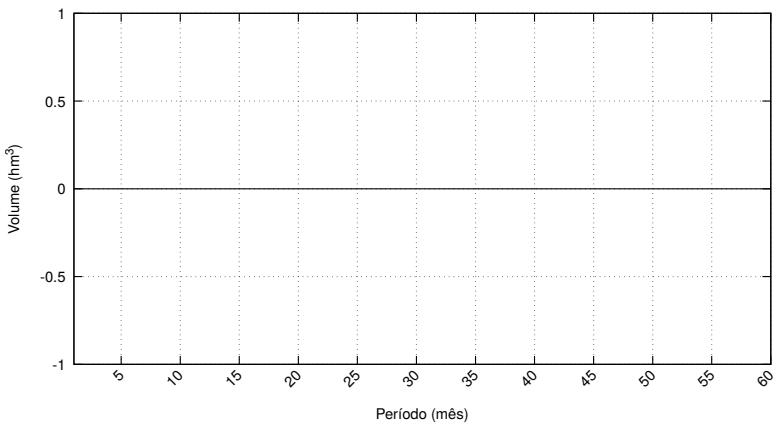
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



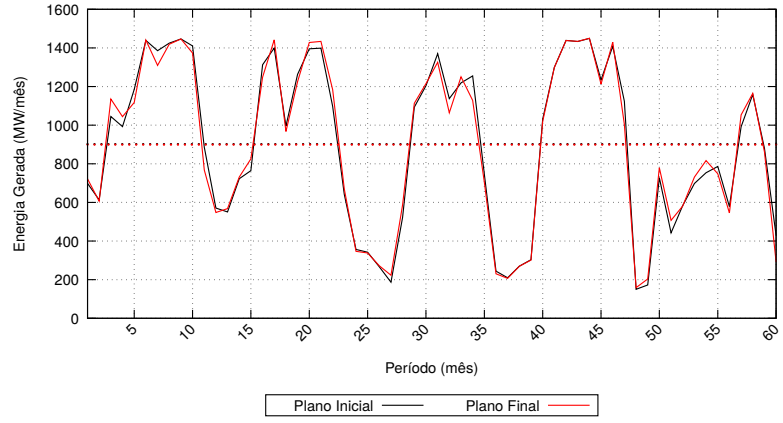
(a) CpMiPi

CpMiPi - Volume - Diferença



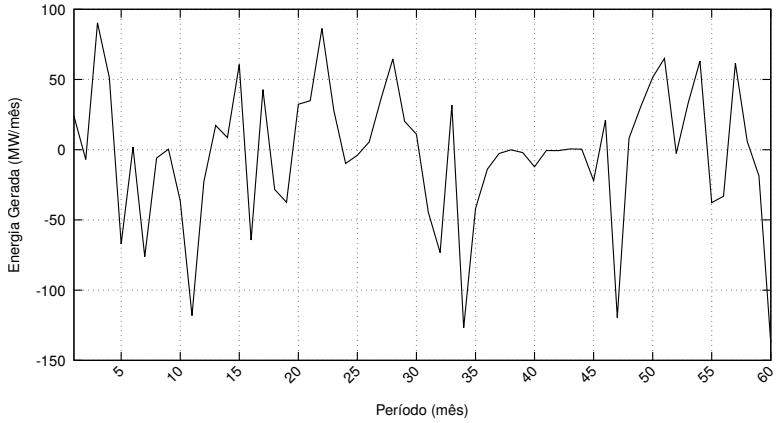
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



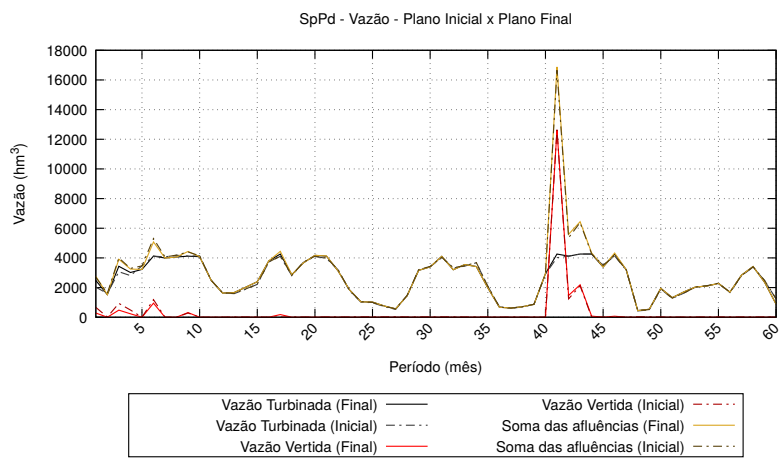
(a) CpMiPi

CpMiPi - Energia Gerada - Diferença

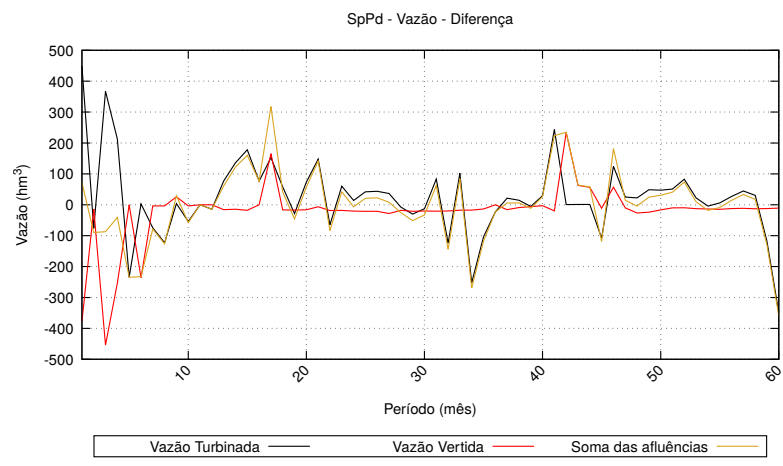


(b) CpMiPi

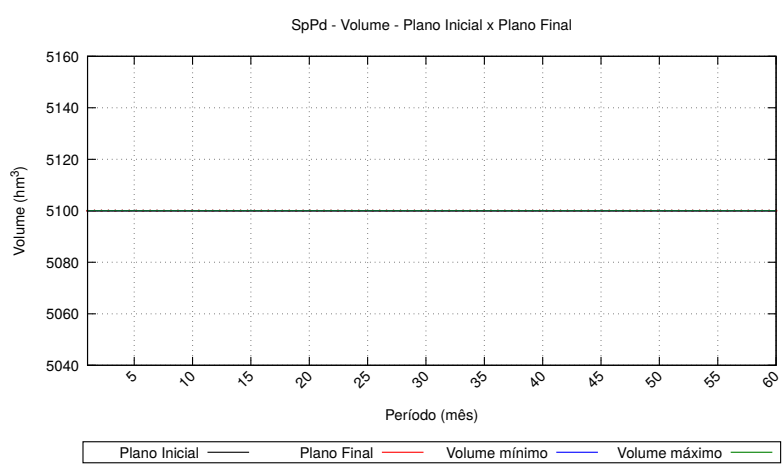
25.5 Resultados - SpPd



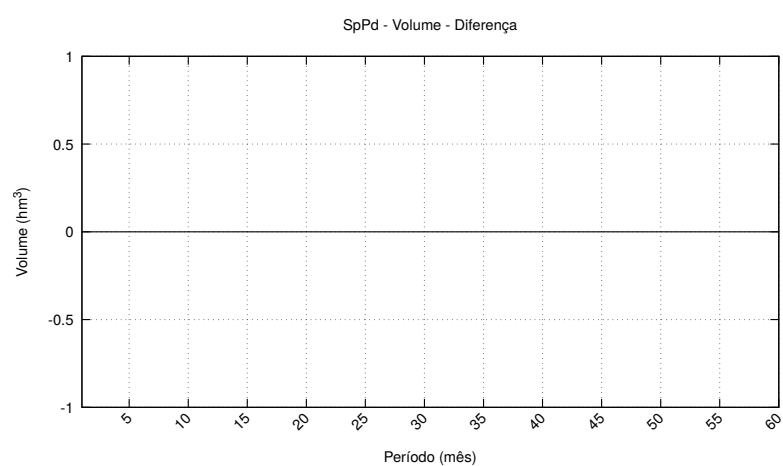
(a) SpPd



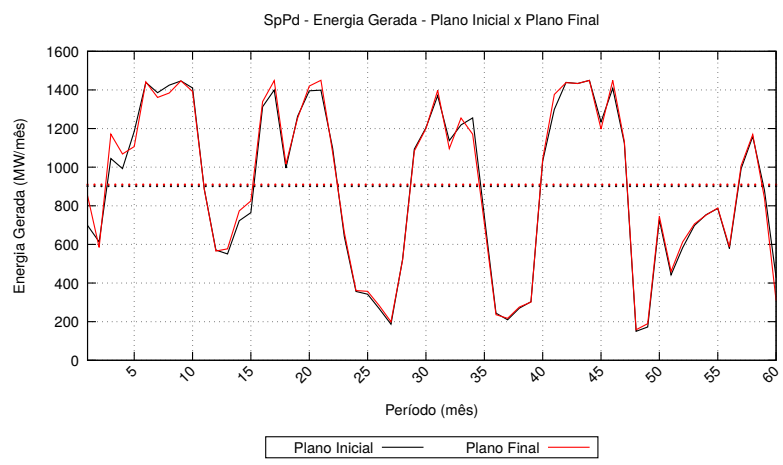
(b) SpPd



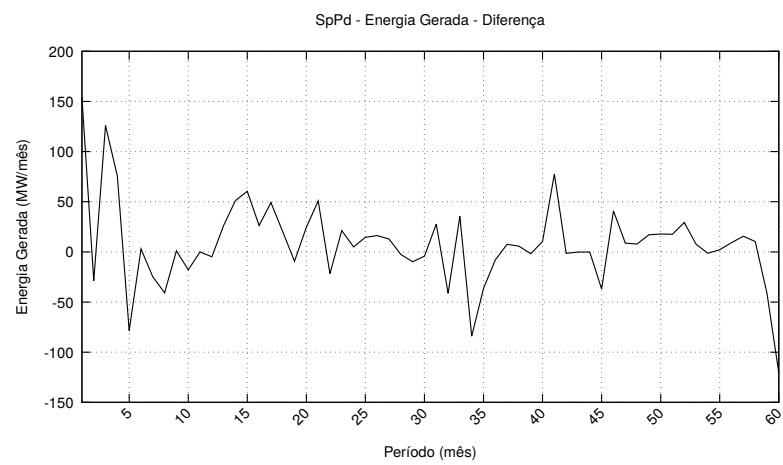
(a) SpPd



(b) SpPd



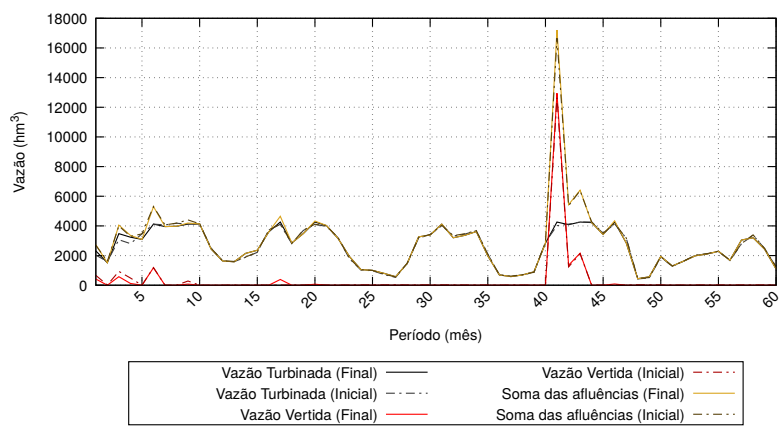
(a) SpPd



(b) SpPd

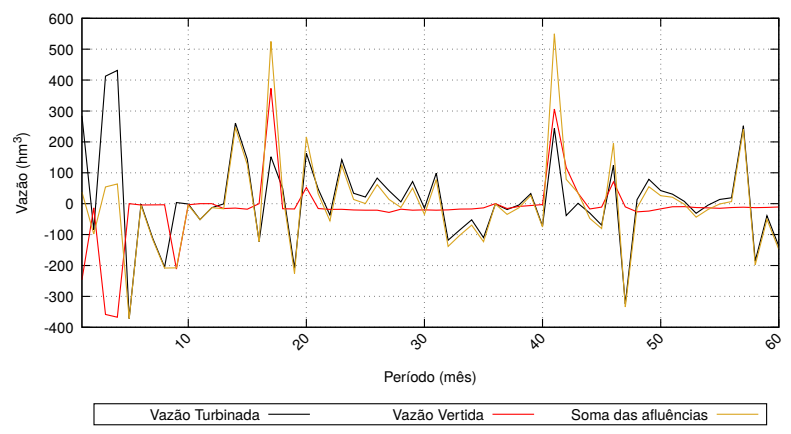
25.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



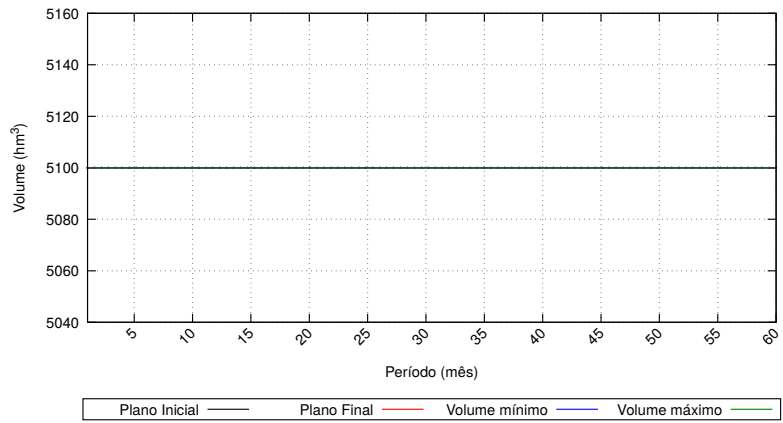
(a) SpPi

SpPi - Vazão - Diferença



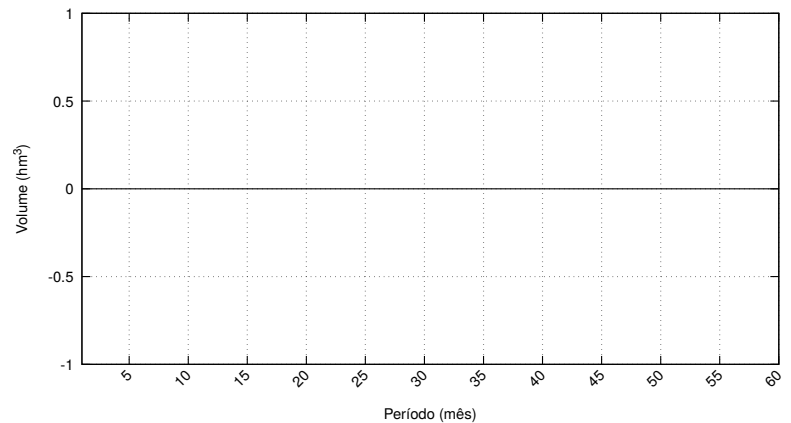
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



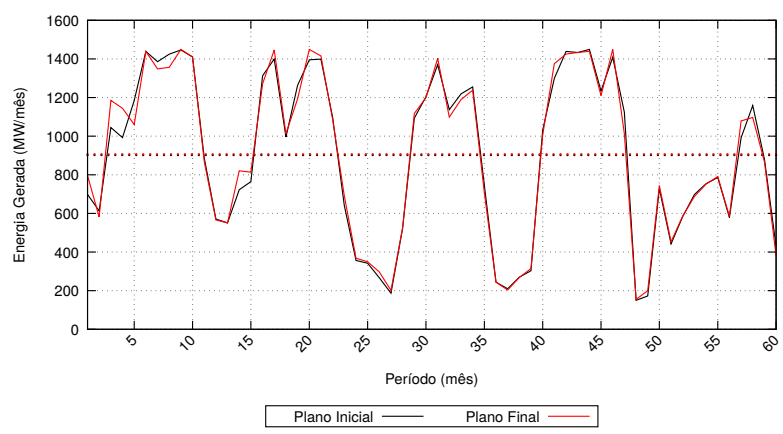
(a) SpPi

SpPi - Volume - Diferença



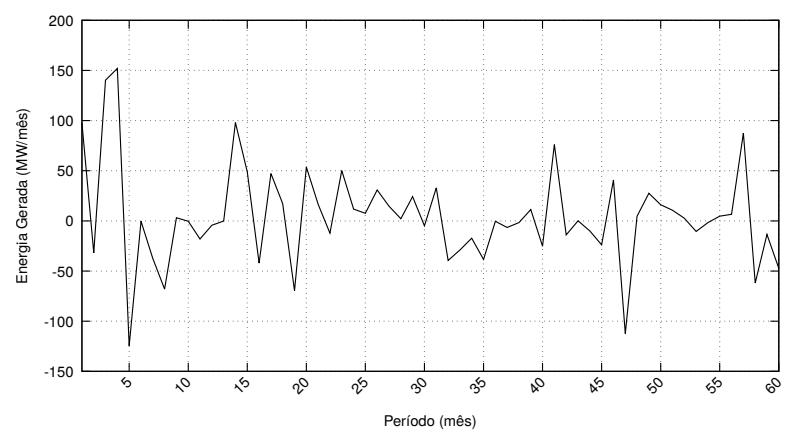
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

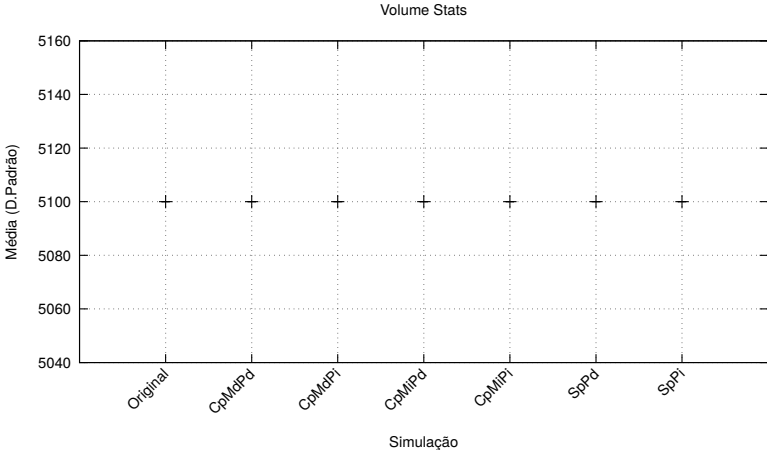
SpPi - Energia Gerada - Diferença



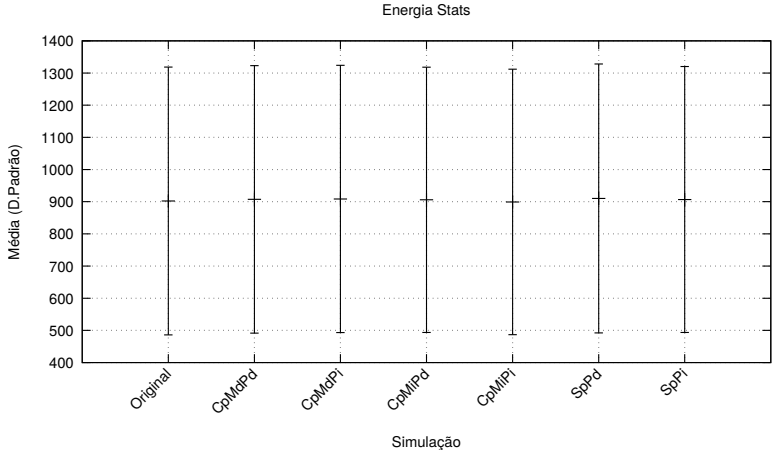
(b) SpPi

Tabela 30: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	5100.00000	0.00000	902.26759	416.19138
CpMdPd	5100.00000	0.00000	907.24330	415.59063
CpMdPi	5100.00000	0.00000	908.54861	415.38959
CpMiPd	5100.00000	0.00000	905.87802	412.18349
CpMiPi	5100.00000	0.00000	899.31016	412.71861
SpPd	5100.00000	0.00000	910.10312	417.96289
SpPi	5100.00000	0.00000	906.77917	413.34443

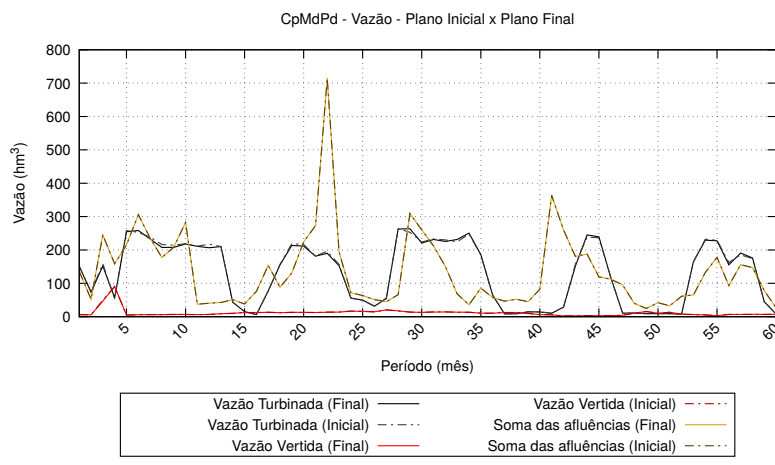


(a) Volume

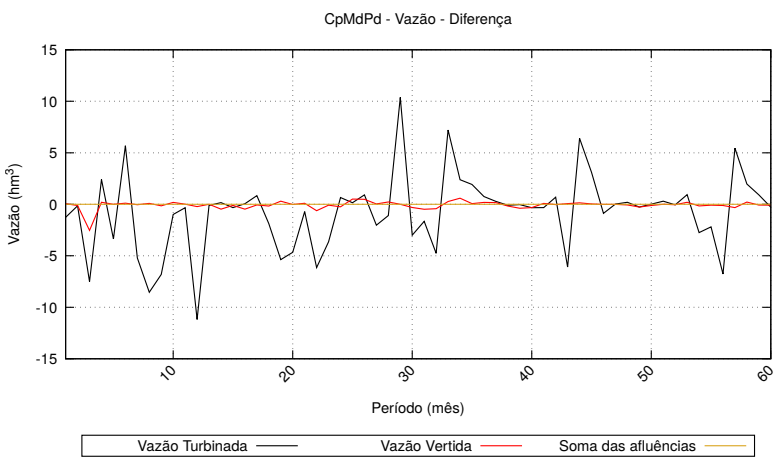


(b) Energia

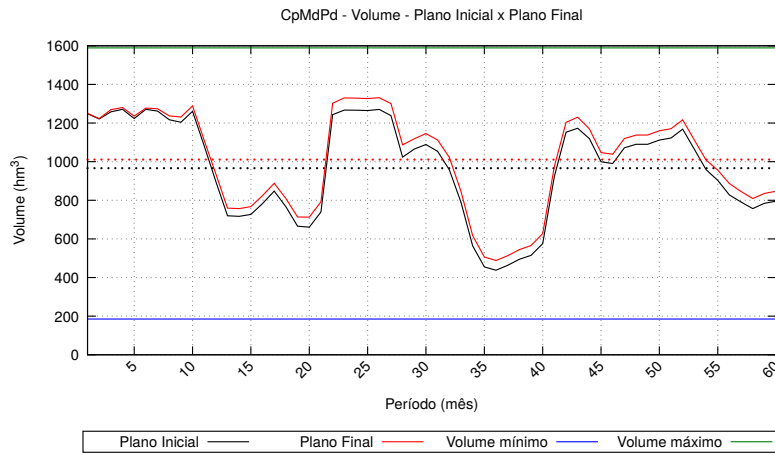
26.1 Resultados - CpMdPd



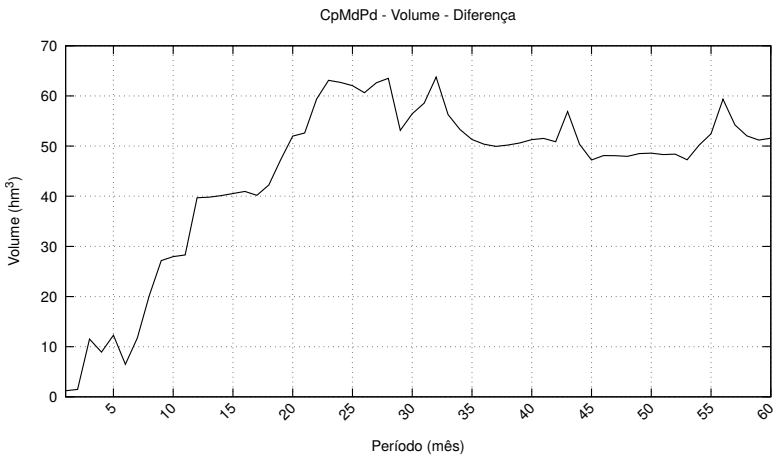
(a) CpMdPd



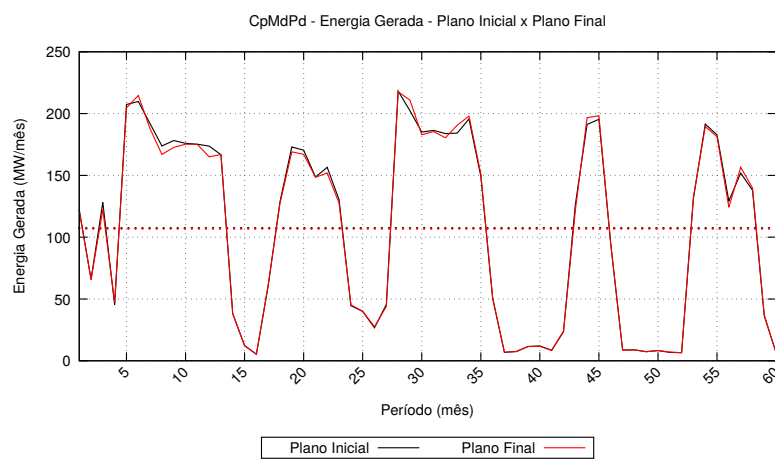
(b) CpMdPd



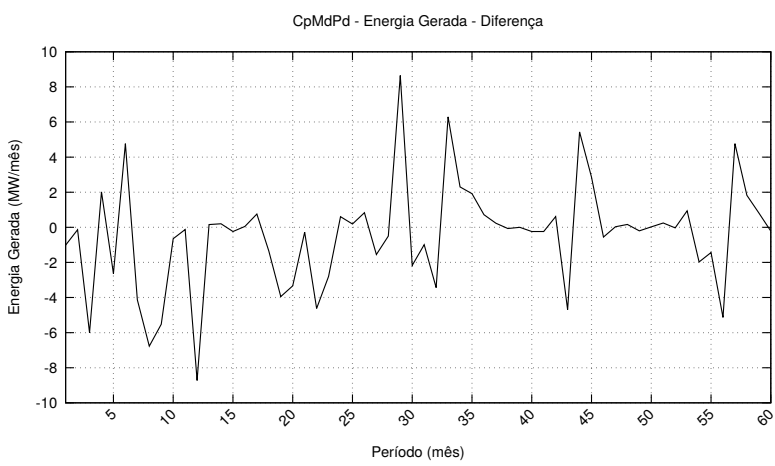
(a) CpMdPd



(b) CpMdPd



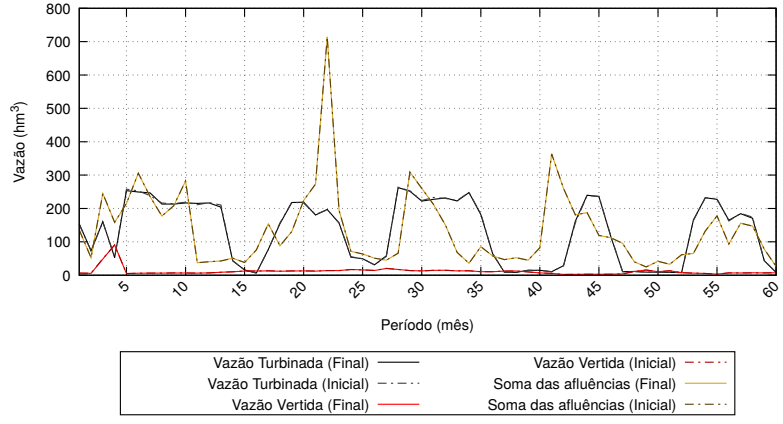
(a) CpMdPd



(b) CpMdPd

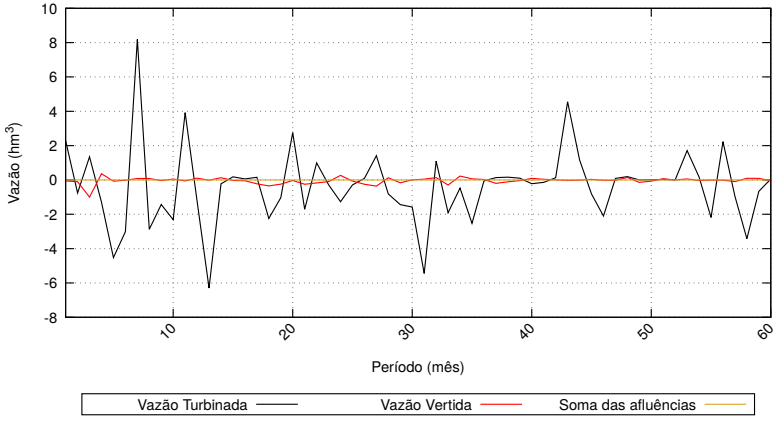
26.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



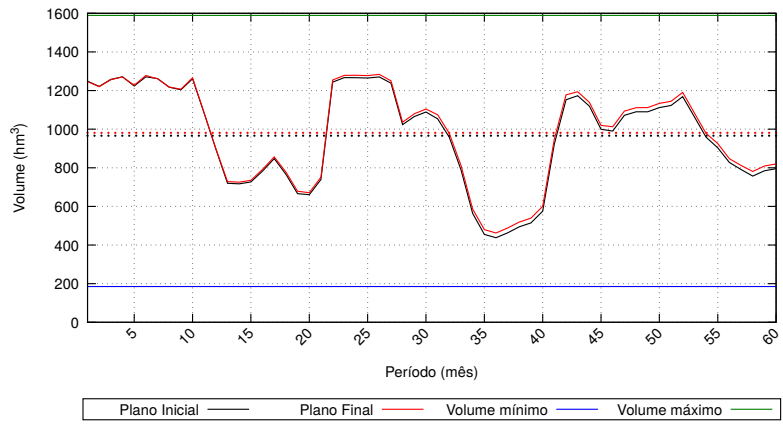
(a) CpMdPi

CpMdPi - Vazão - Diferença



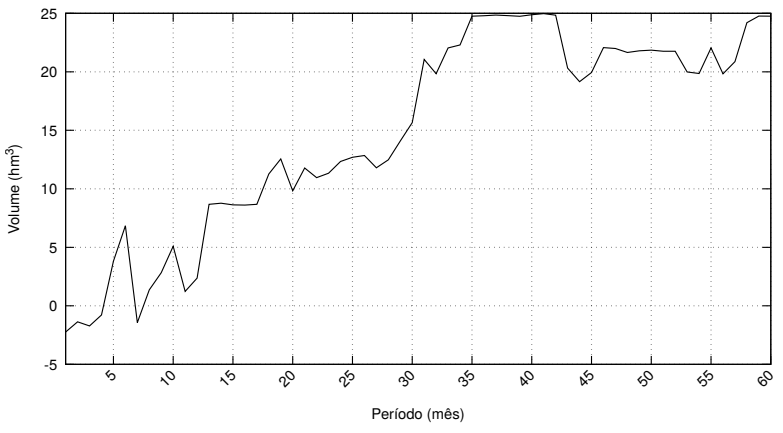
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



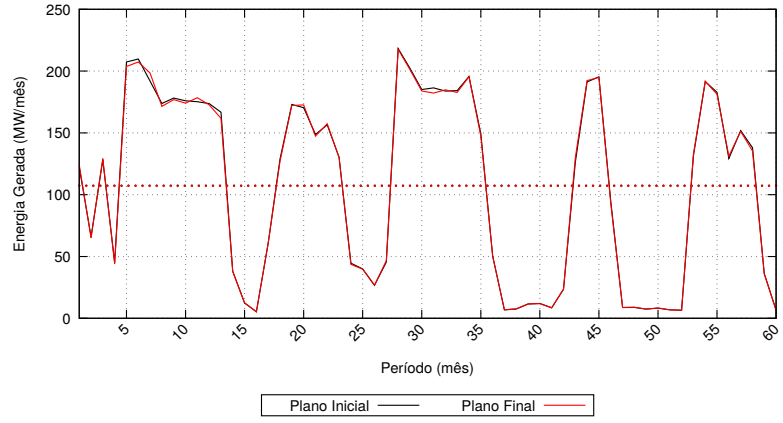
(a) CpMdPi

CpMdPi - Volume - Diferença



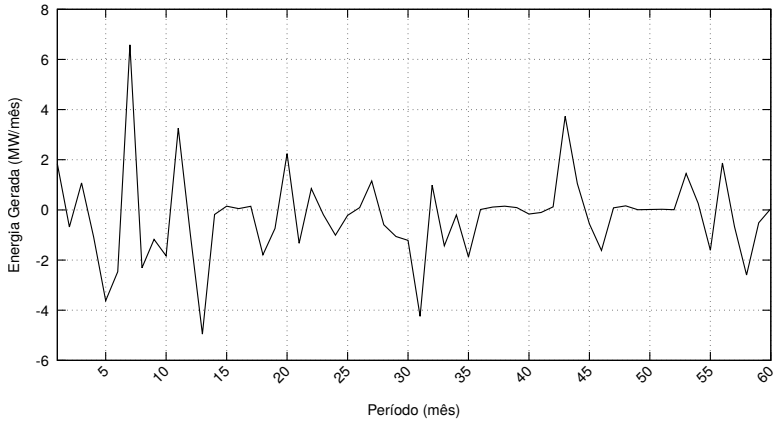
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



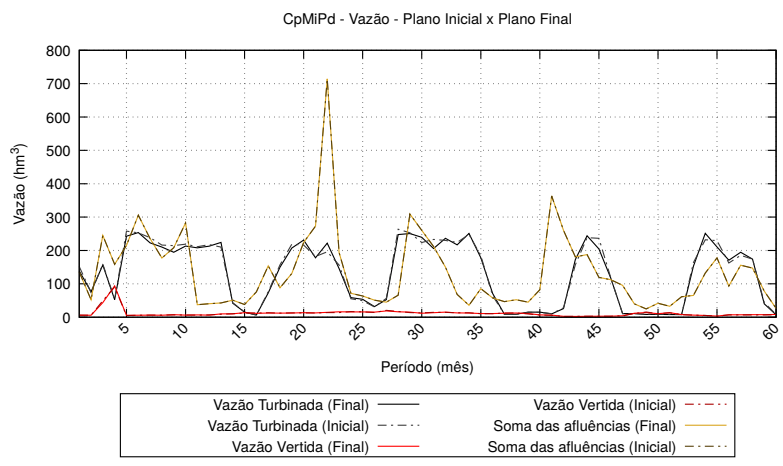
(a) CpMdPi

CpMdPi - Energia Gerada - Diferença

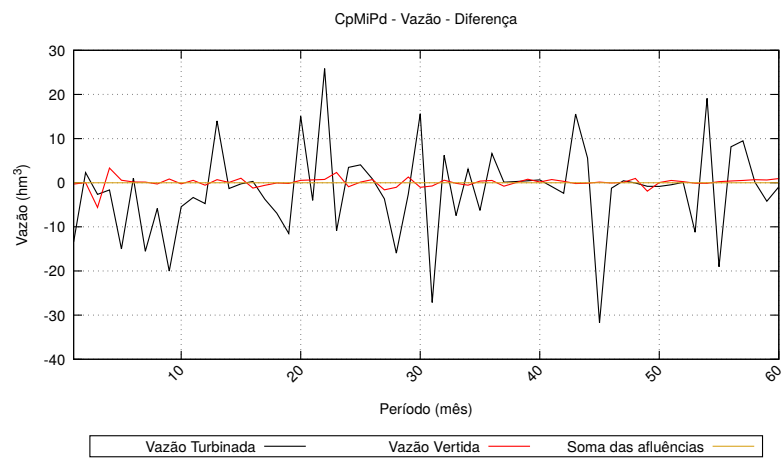


(b) CpMdPi

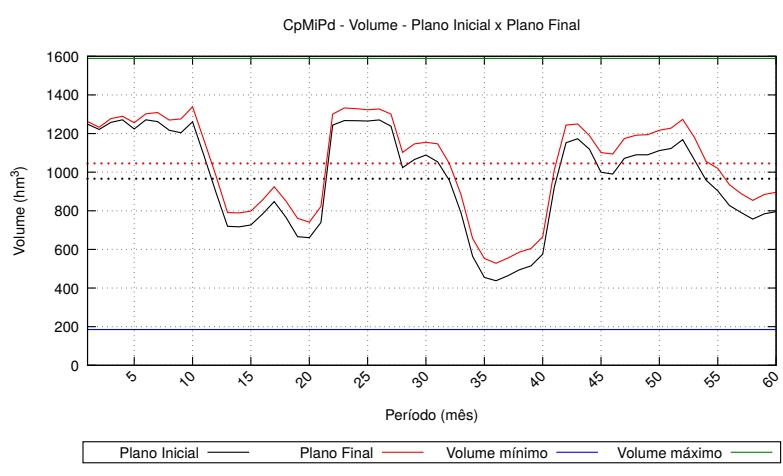
26.3 Resultados - CpMiPd



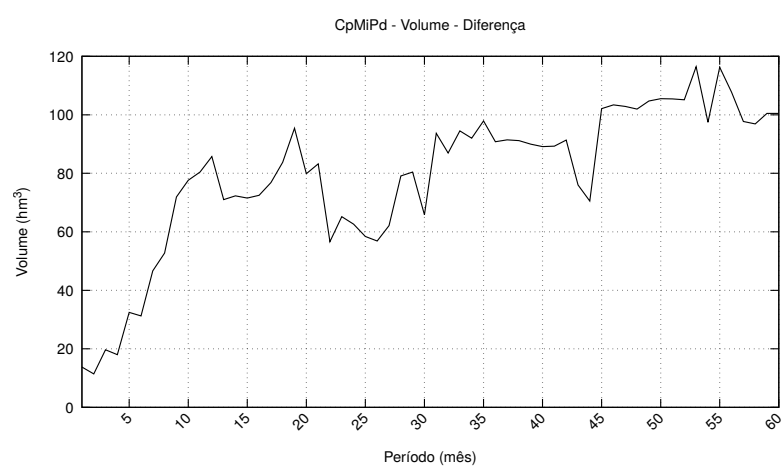
(a) CpMiPd



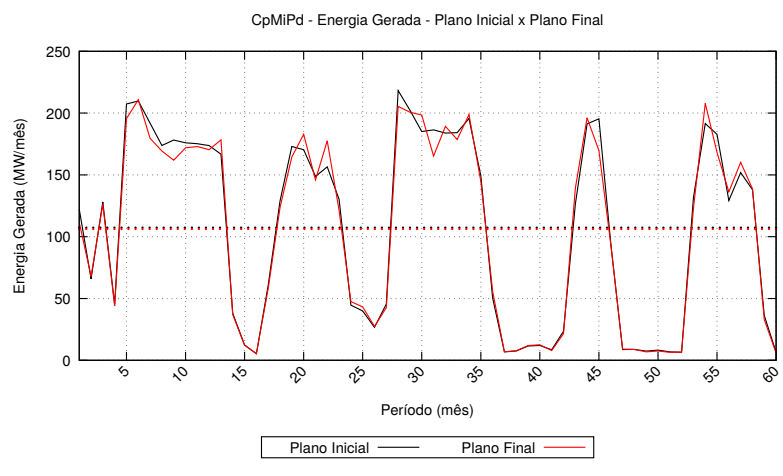
(b) CpMiPd



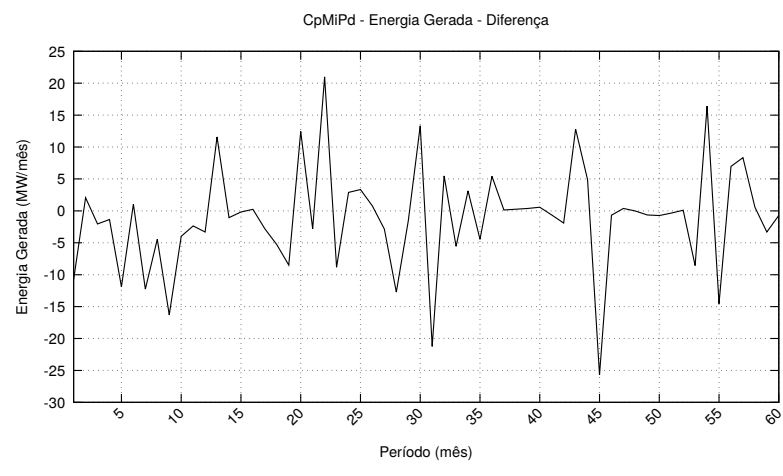
(a) CpMiPd



(b) CpMiPd



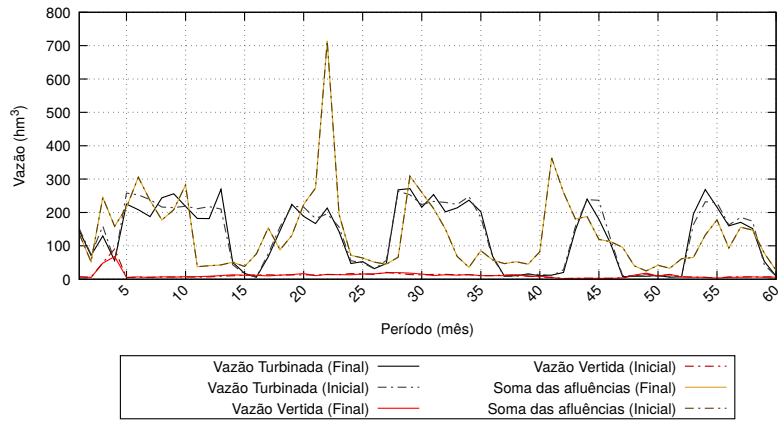
(a) CpMiPd



(b) CpMiPd

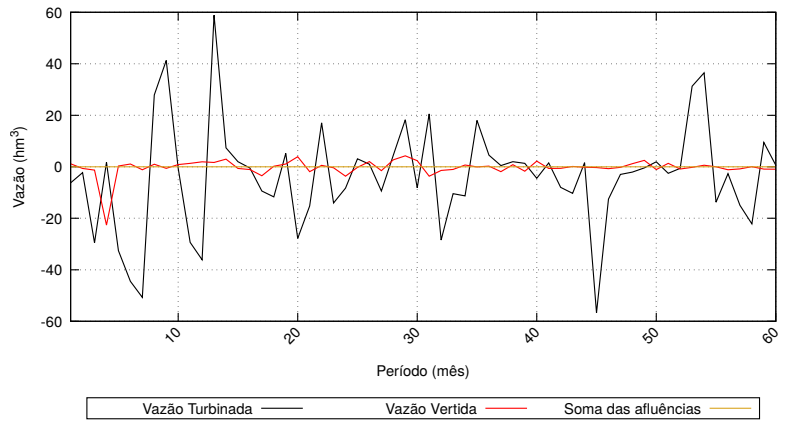
26.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



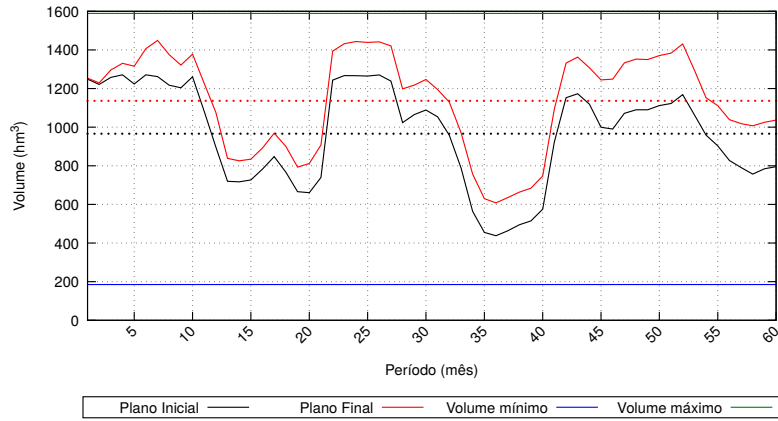
(a) CpMiPi

CpMiPi - Vazão - Diferença



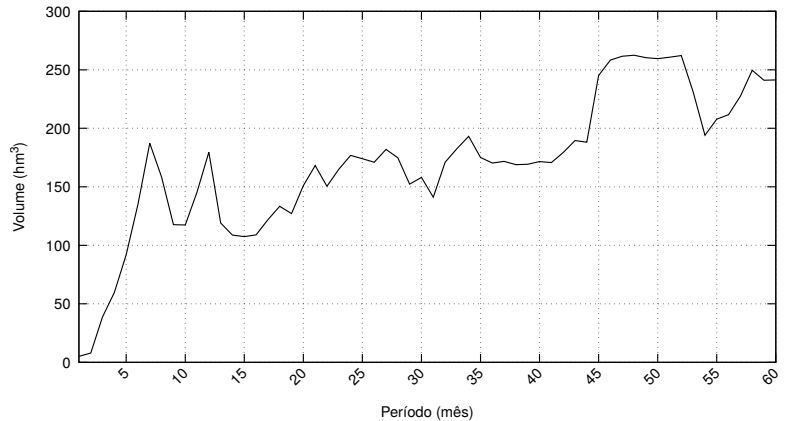
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



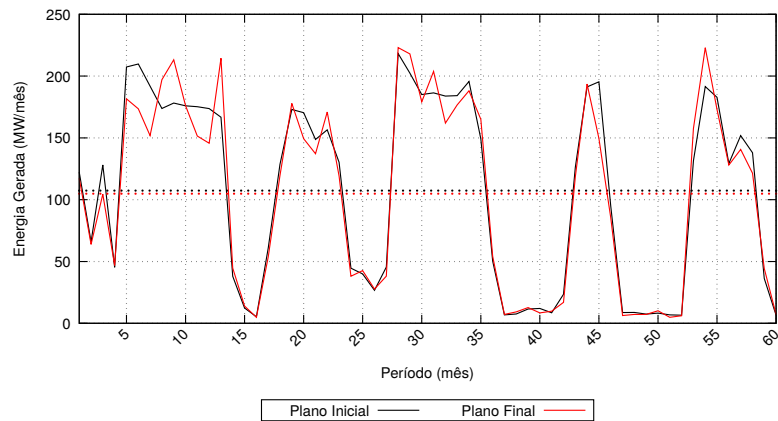
(a) CpMiPi

CpMiPi - Volume - Diferença



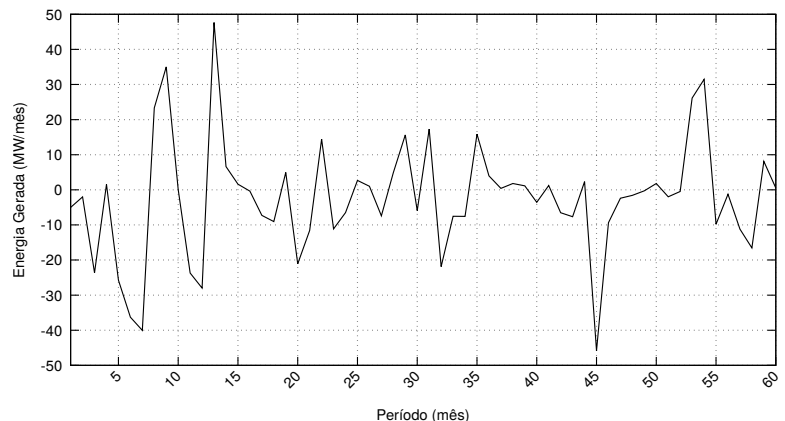
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

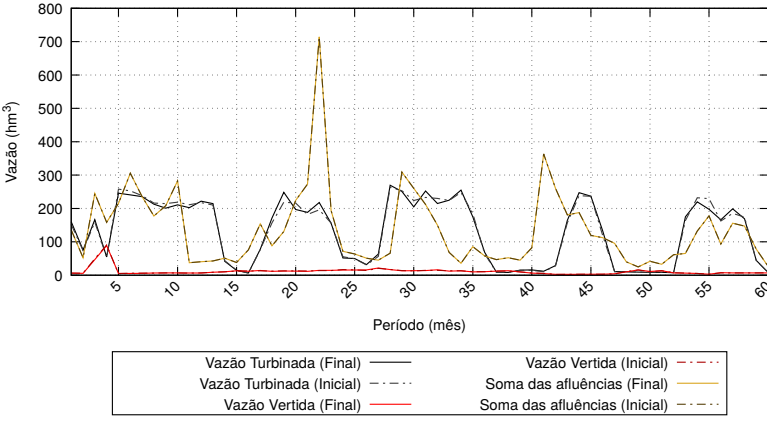
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

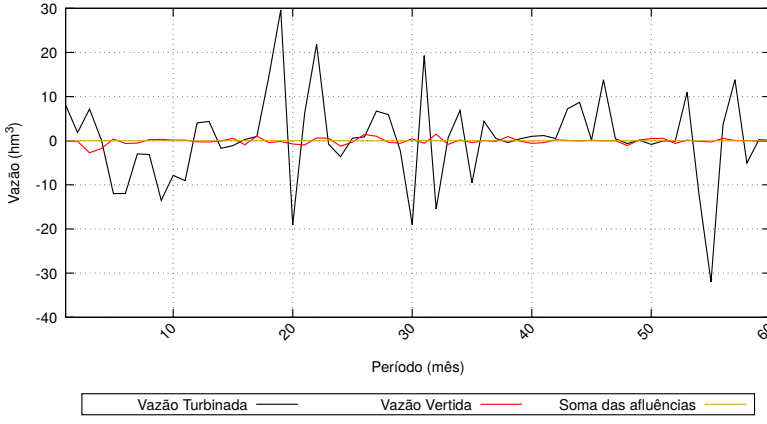
26.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



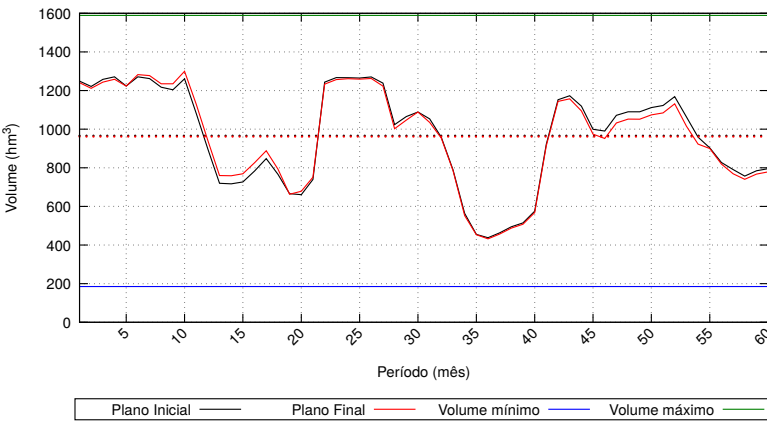
(a) SpPd

SpPd - Vazão - Diferença



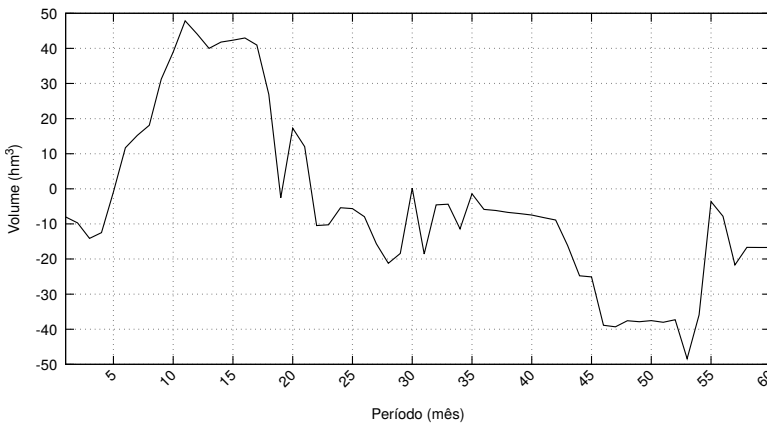
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



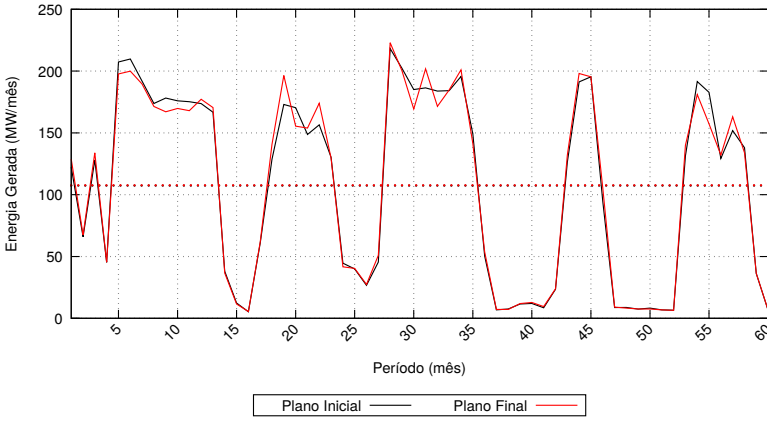
(a) SpPd

SpPd - Volume - Diferença



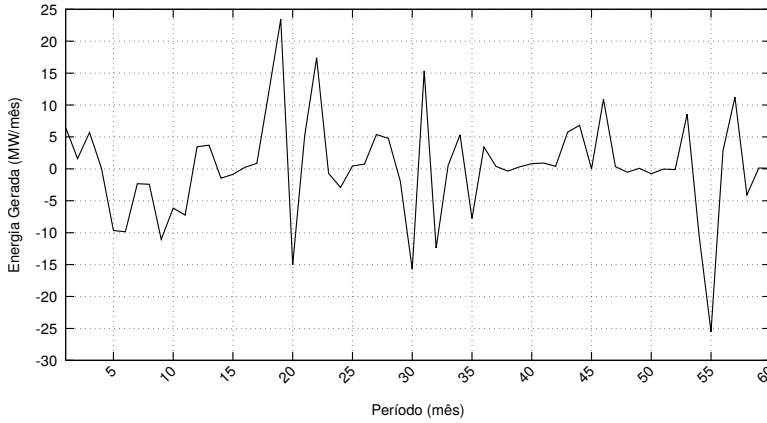
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

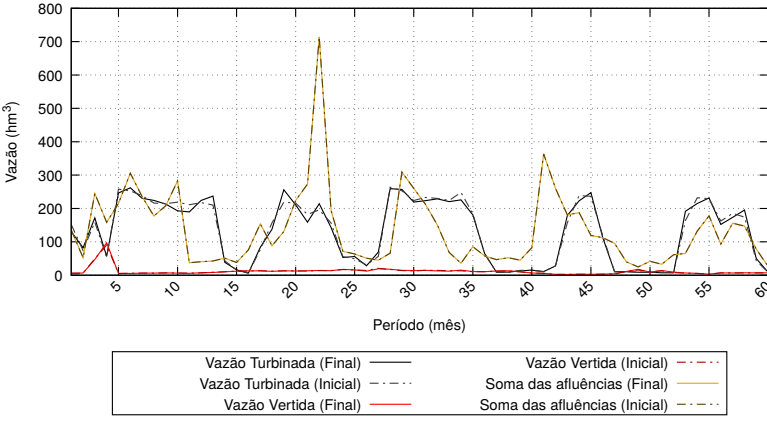
SpPd - Energia Gerada - Diferença



(b) SpPd

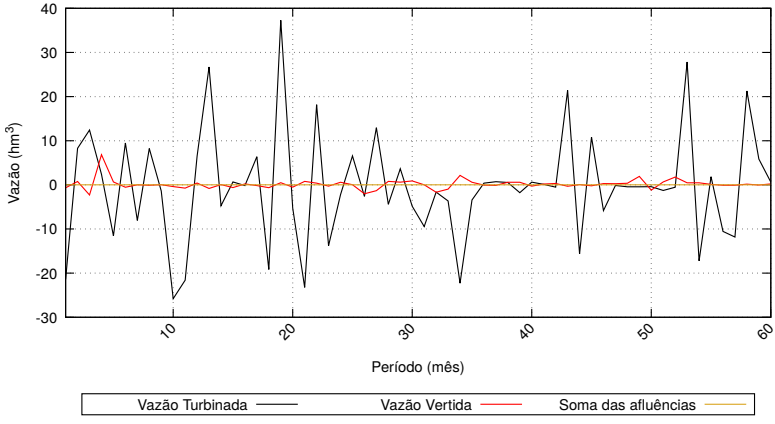
26.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



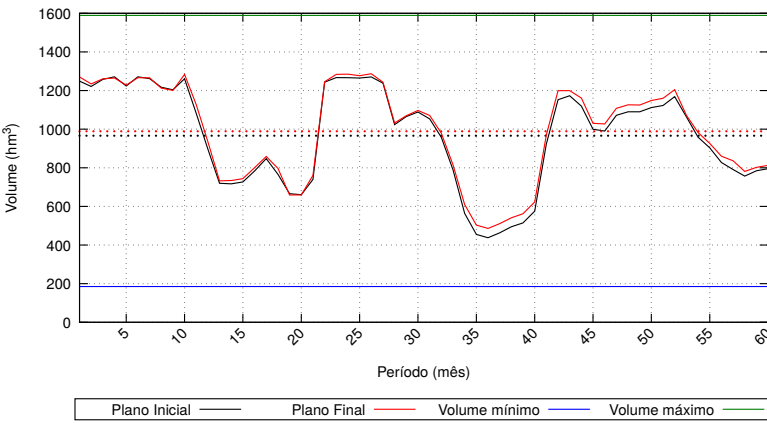
(a) SpPi

SpPi - Vazão - Diferença



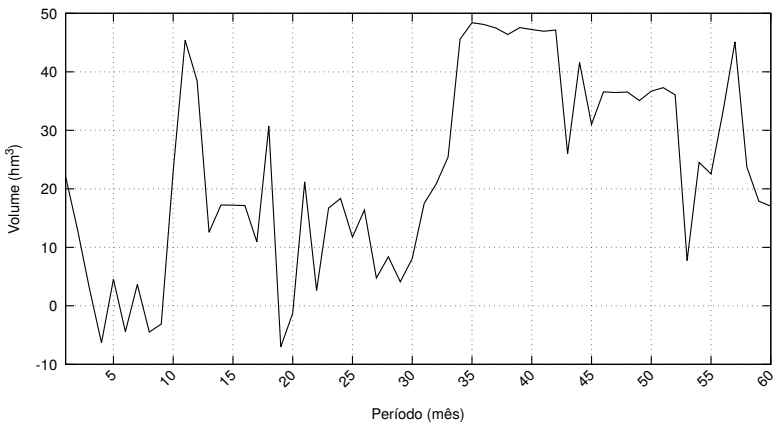
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



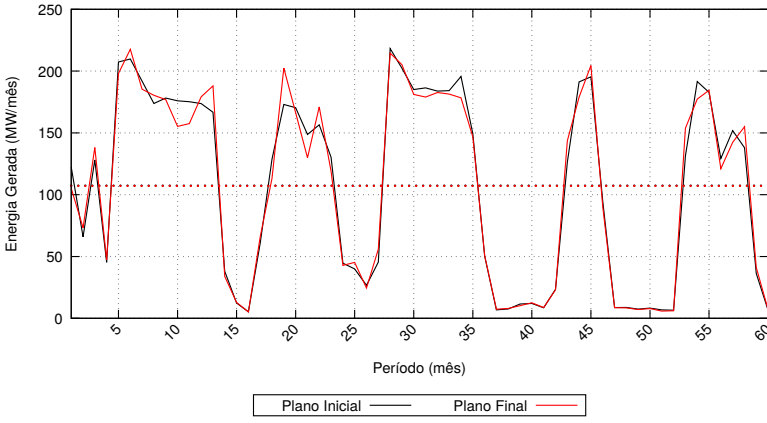
(a) SpPi

SpPi - Volume - Diferença



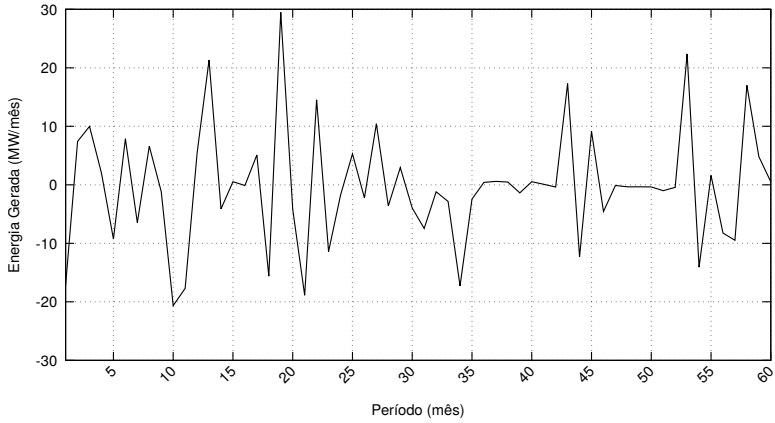
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

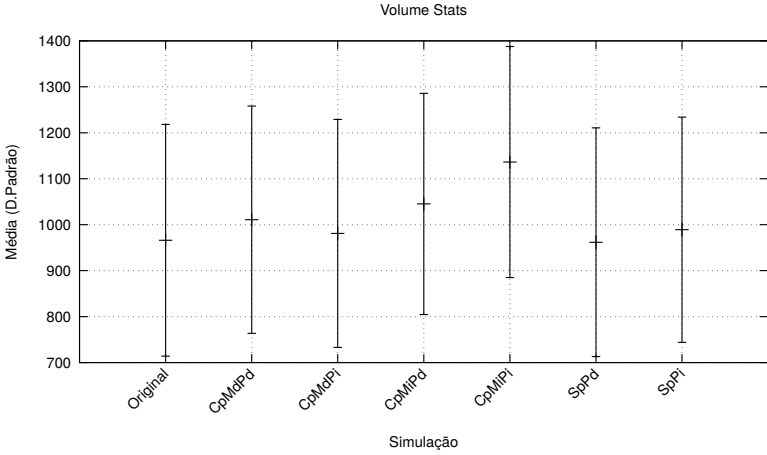
SpPi - Energia Gerada - Diferença



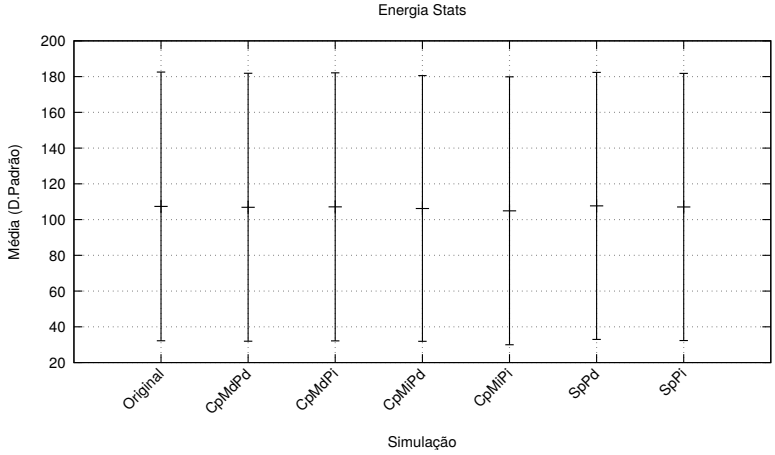
(b) SpPi

Tabela 31: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	966.12879	252.09905	107.37182	75.19729
CpMdPd	1010.88036	247.37987	106.90033	74.97641
CpMdPi	980.98568	248.02215	107.11557	74.96526
CpMiPd	1045.20351	240.58943	106.20681	74.33748
CpMiPi	1136.32278	251.32472	104.89499	74.95321
SpPd	961.76259	248.86952	107.64764	74.71466
SpPi	989.09690	244.95738	107.05899	74.75105

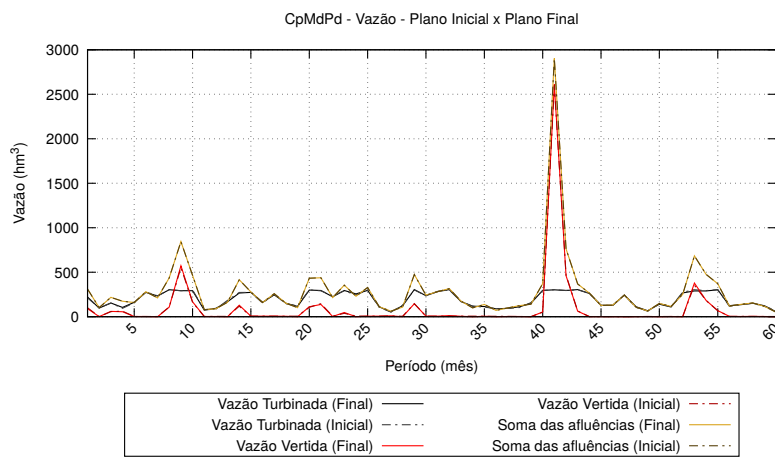


(a) Volume

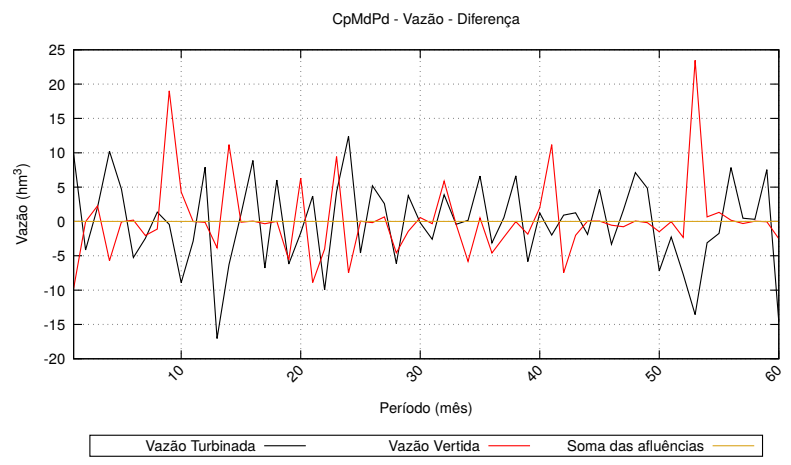


(b) Energia

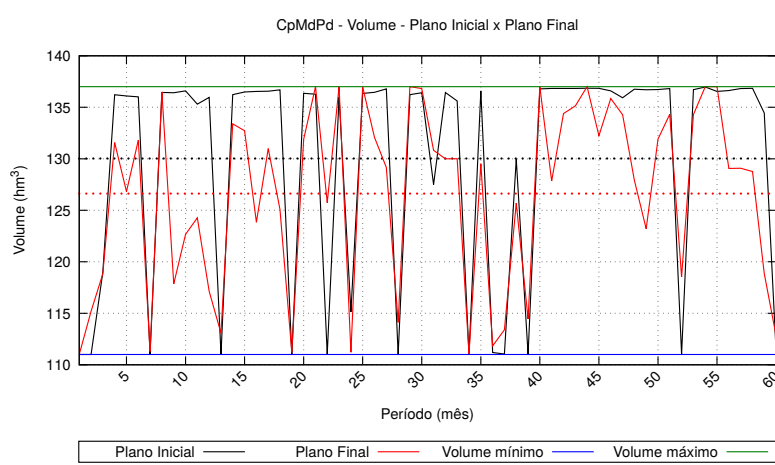
27.1 Resultados - CpMdPd



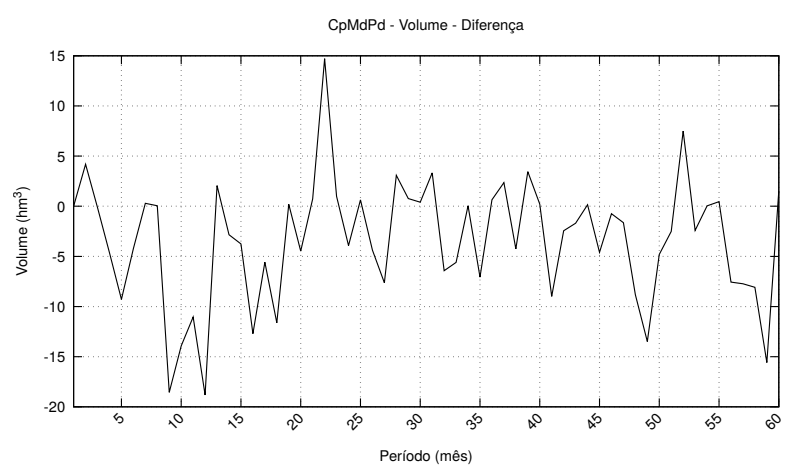
(a) CpMdPd



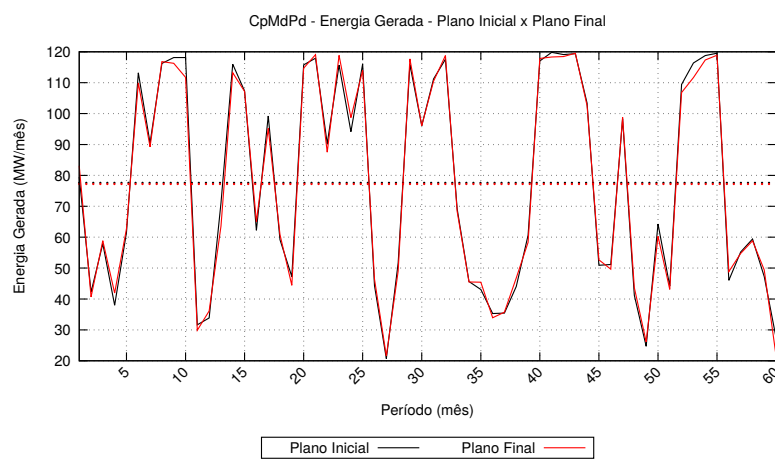
(b) CpMdPd



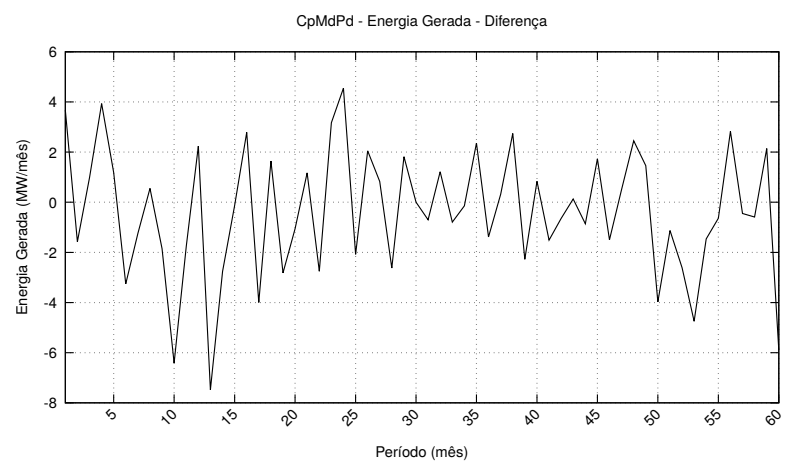
(a) CpMdPd



(b) CpMdPd



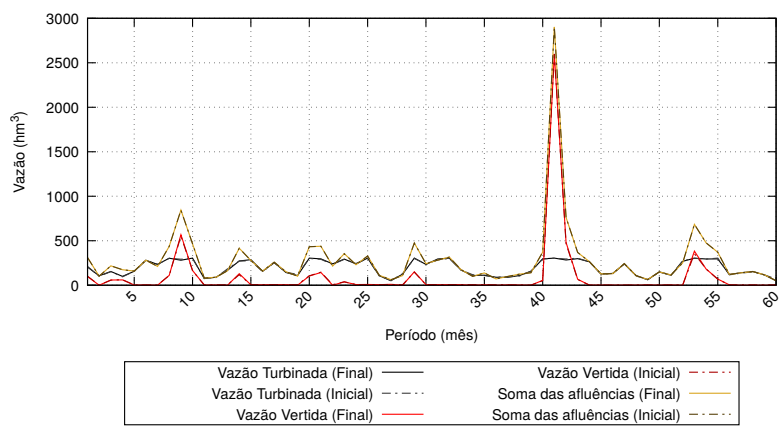
(a) CpMdPd



(b) CpMdPd

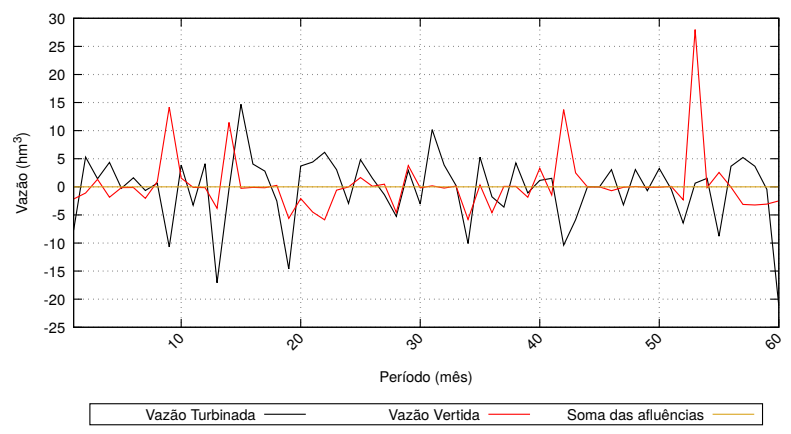
27.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



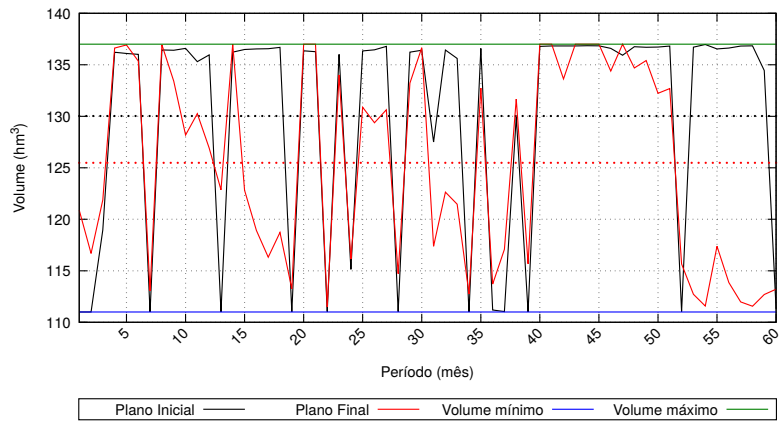
(a) CpMdPi

CpMdPi - Vazão - Diferença



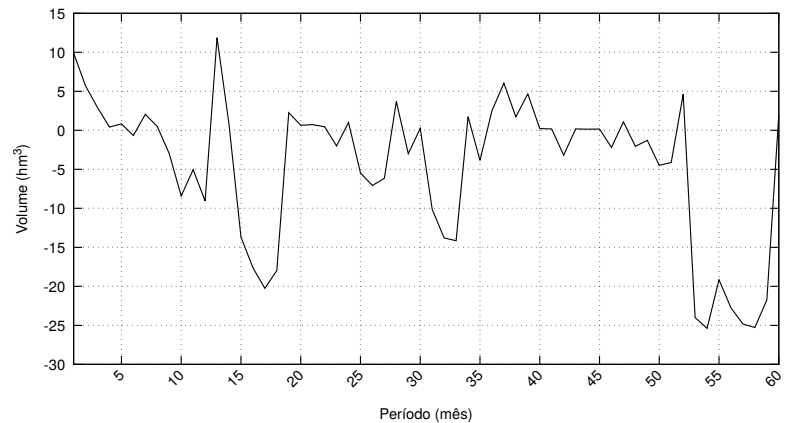
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



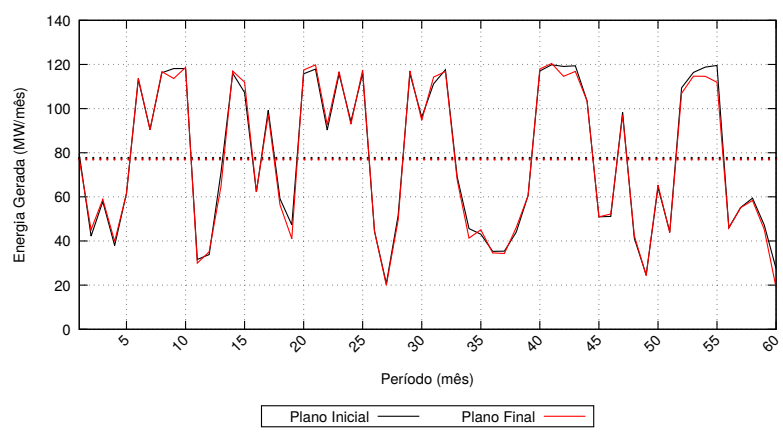
(a) CpMdPi

CpMdPi - Volume - Diferença



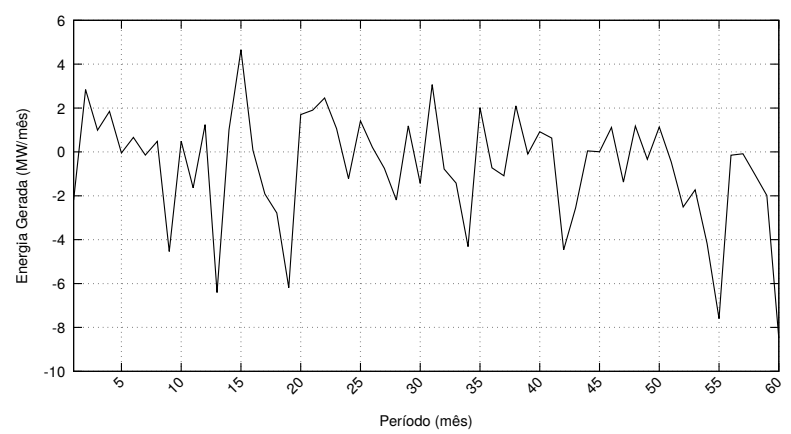
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

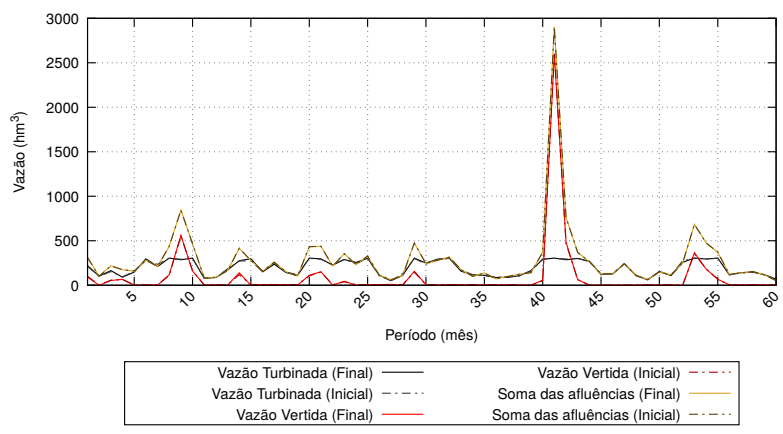
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

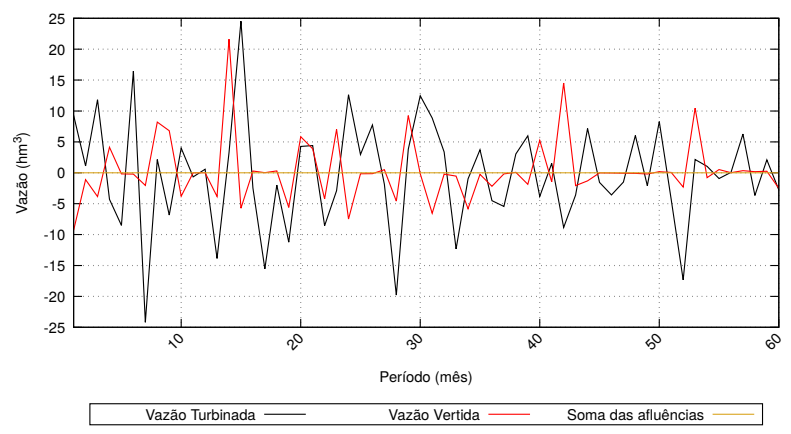
27.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



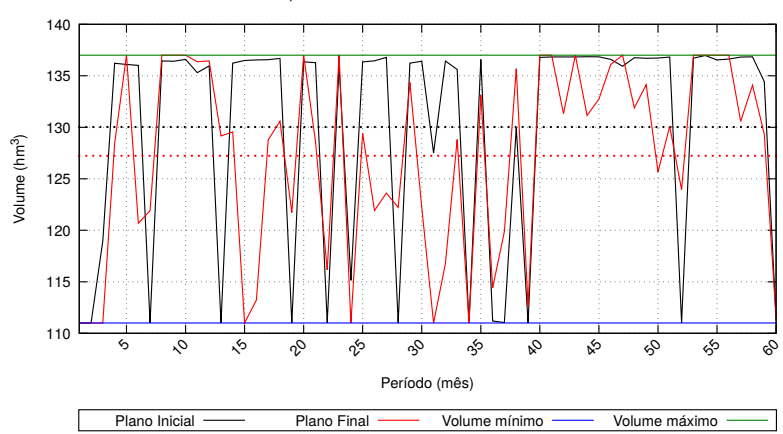
(a) CpMiPd

CpMiPd - Vazão - Diferença



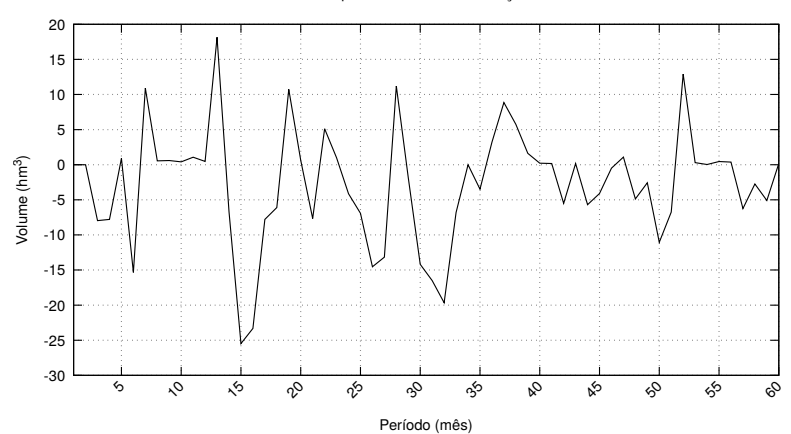
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



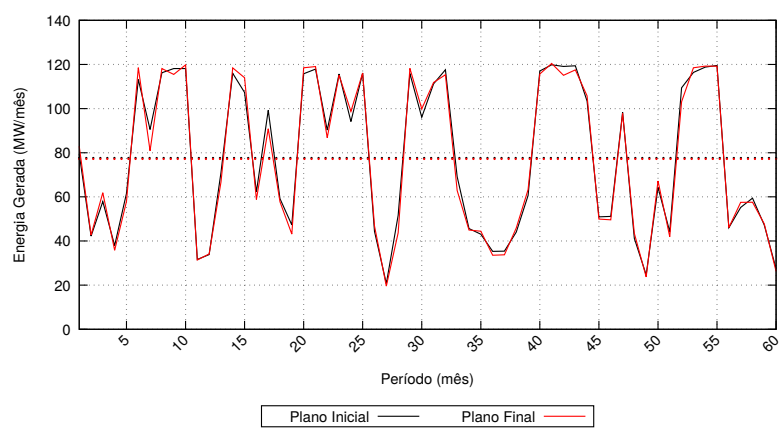
(a) CpMiPd

CpMiPd - Volume - Diferença



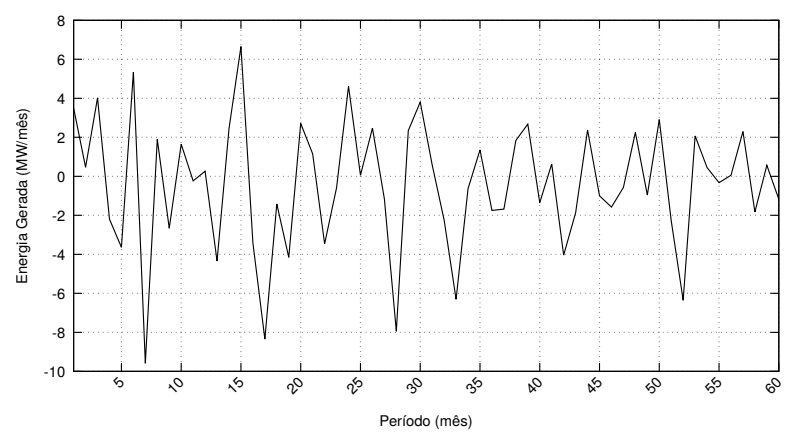
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

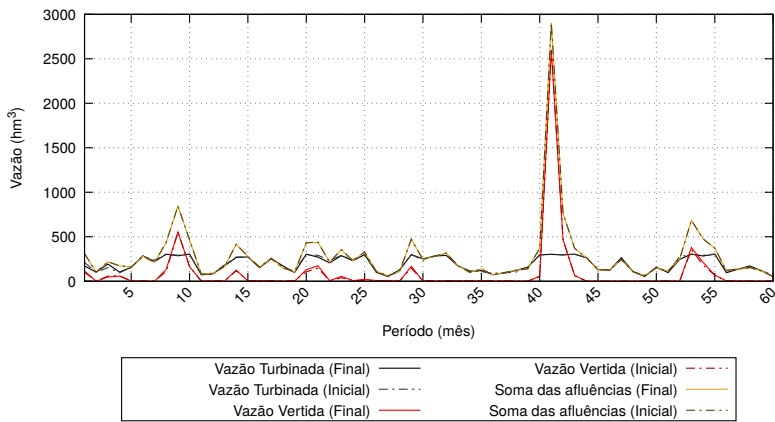
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

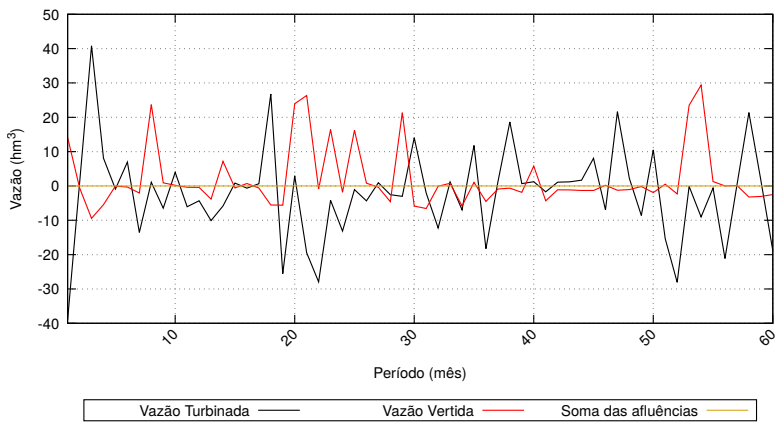
27.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



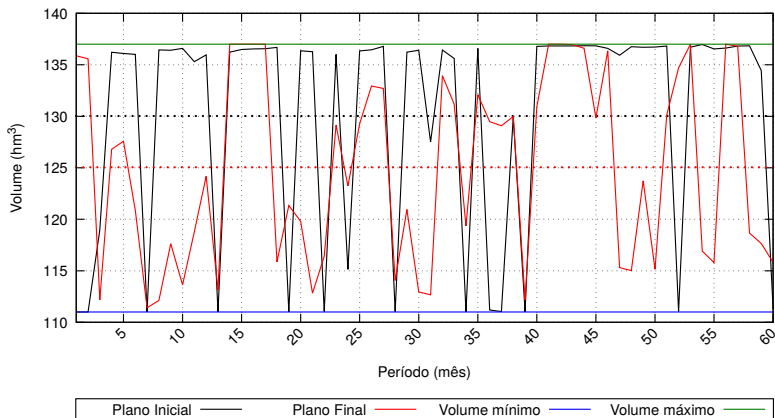
(a) CpMiPi

CpMiPi - Vazão - Diferença



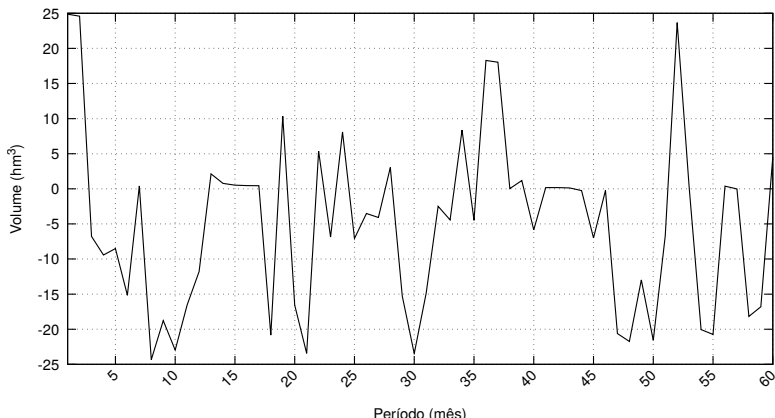
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



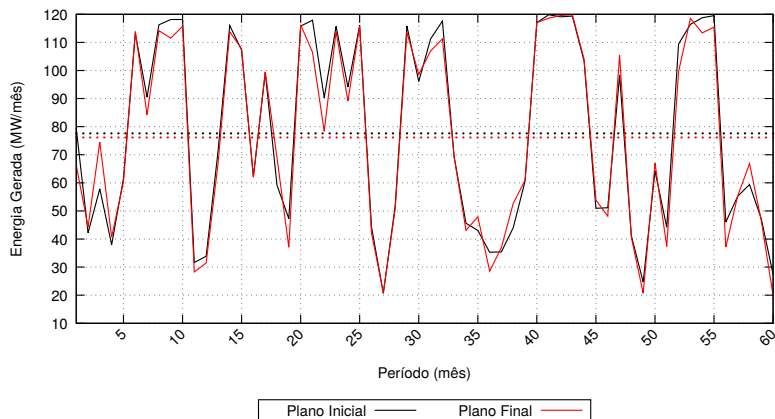
(a) CpMiPi

CpMiPi - Volume - Diferença



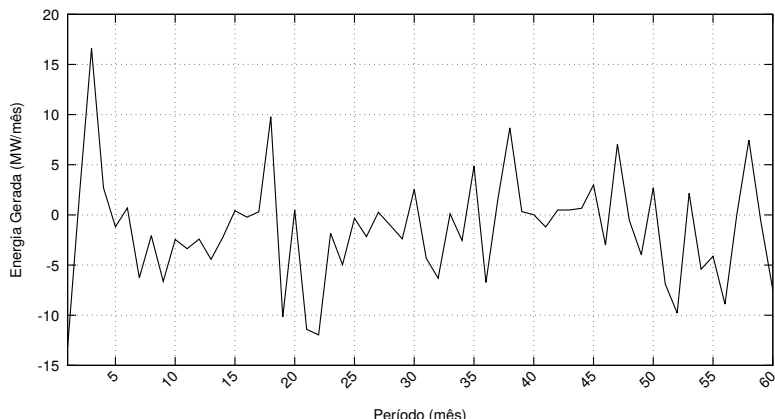
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

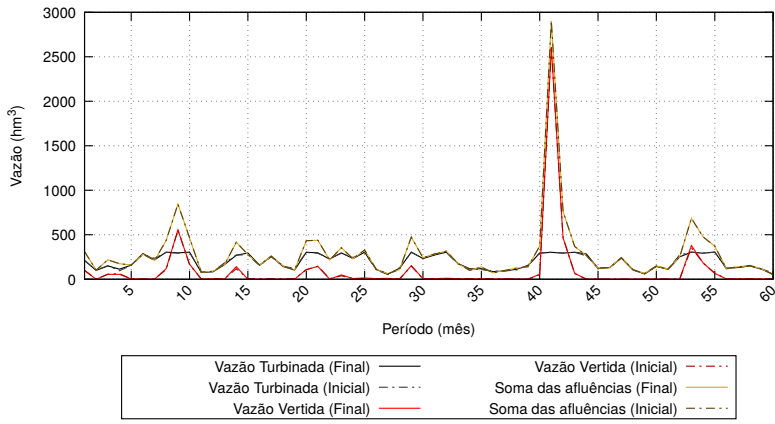
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

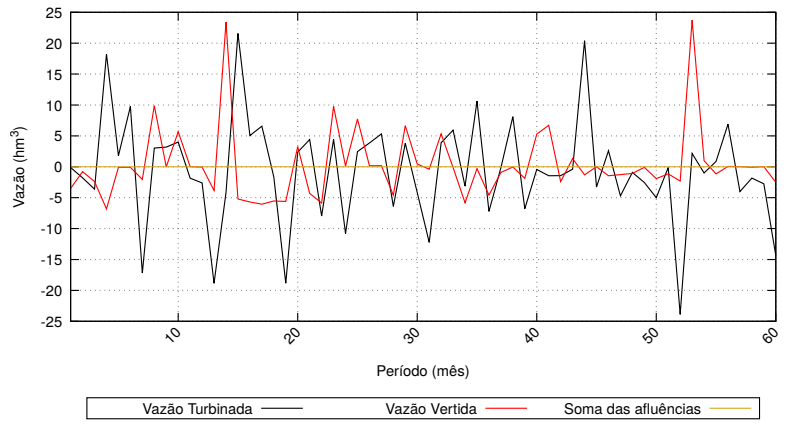
27.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



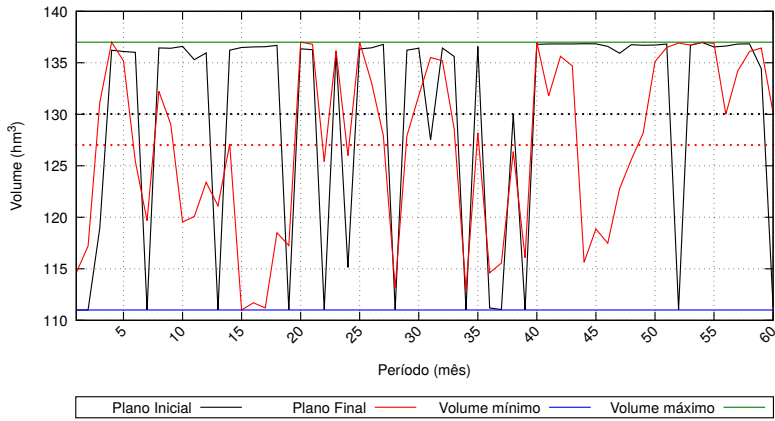
(a) SpPd

SpPd - Vazão - Diferença



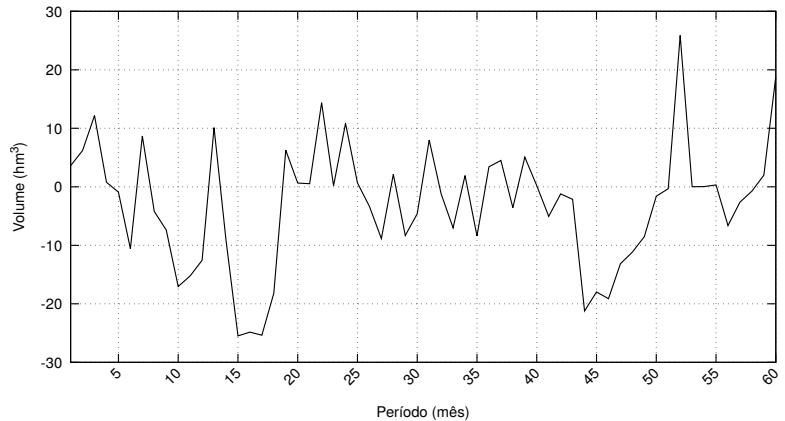
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



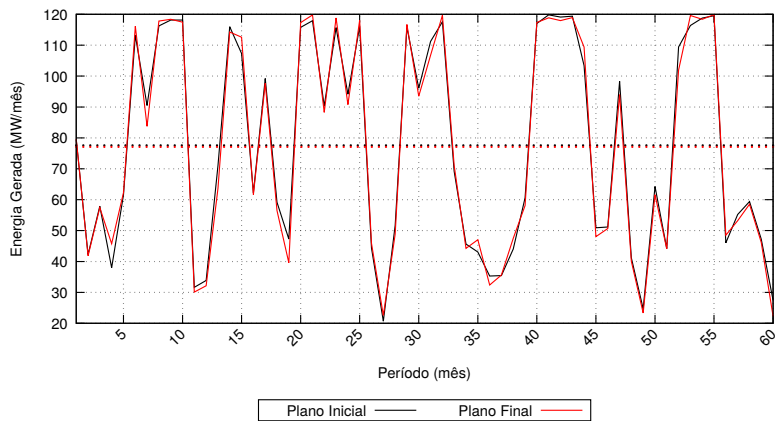
(a) SpPd

SpPd - Volume - Diferença



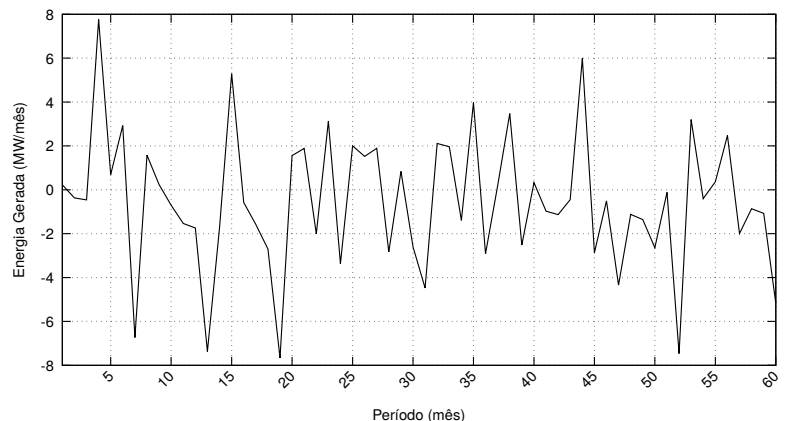
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

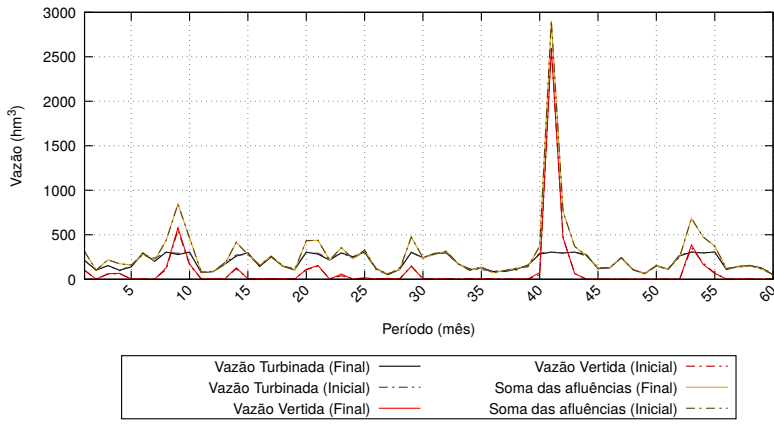
SpPd - Energia Gerada - Diferença



(b) SpPd

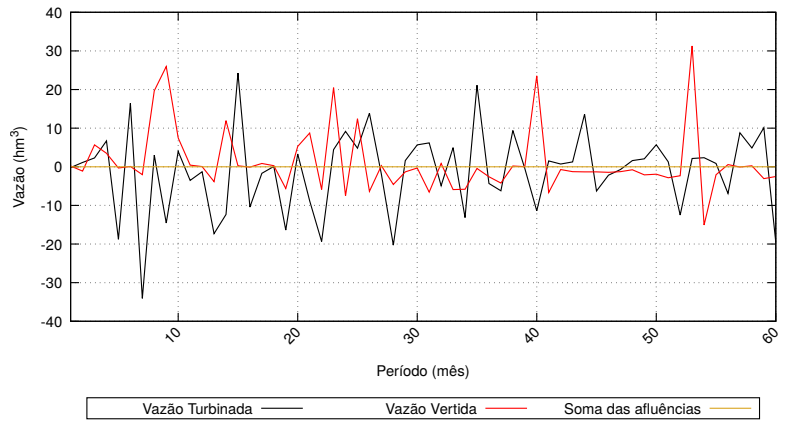
27.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



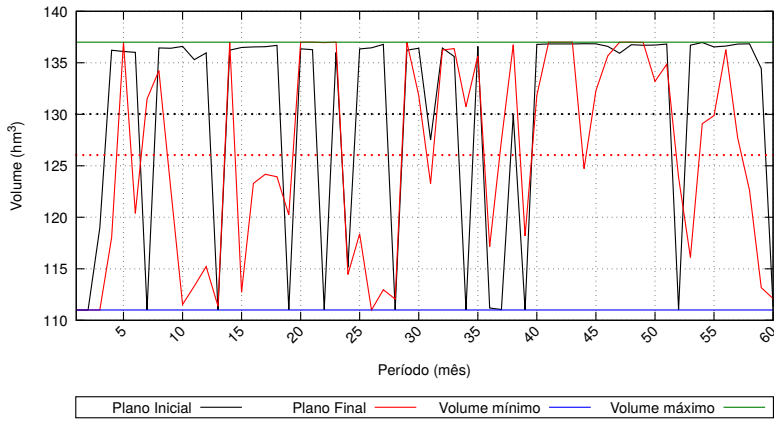
(a) SpPi

SpPi - Vazão - Diferença



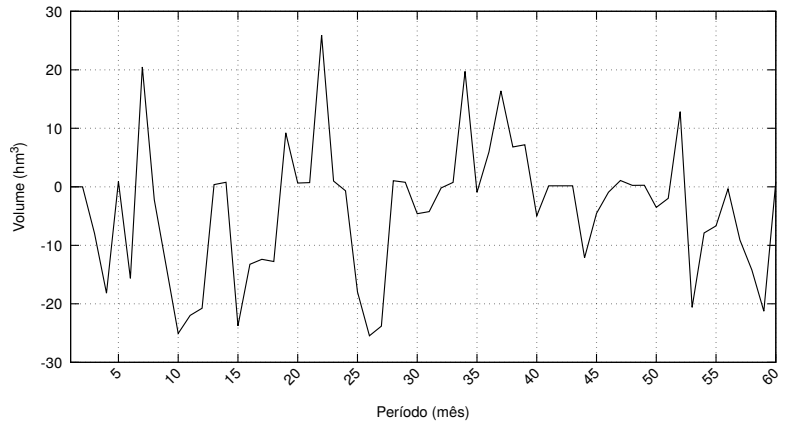
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



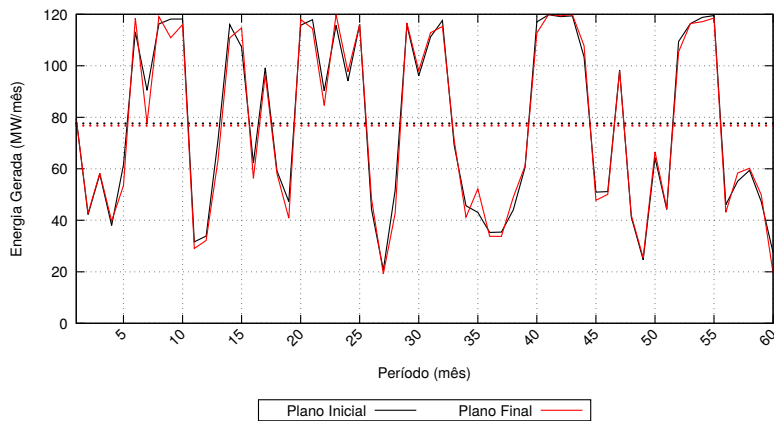
(a) SpPi

SpPi - Volume - Diferença



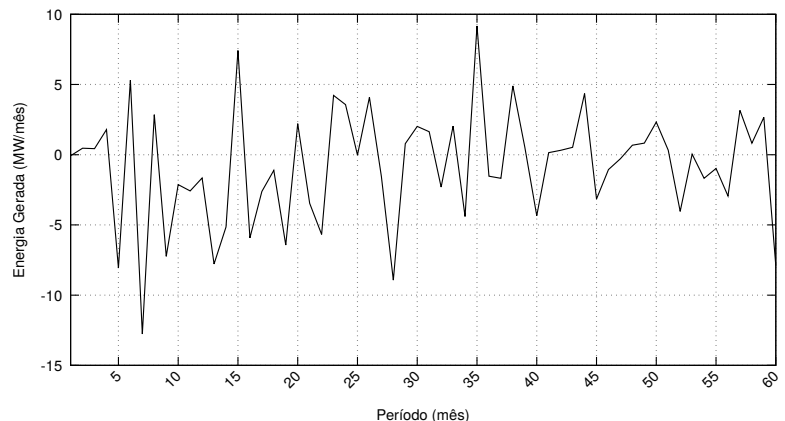
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

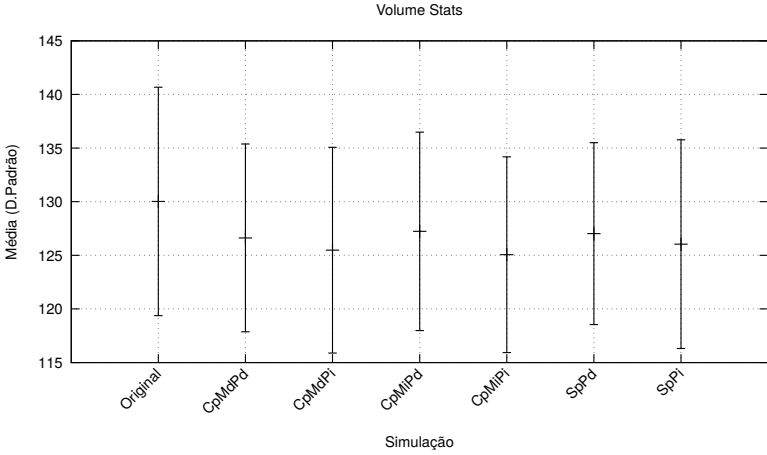
SpPi - Energia Gerada - Diferença



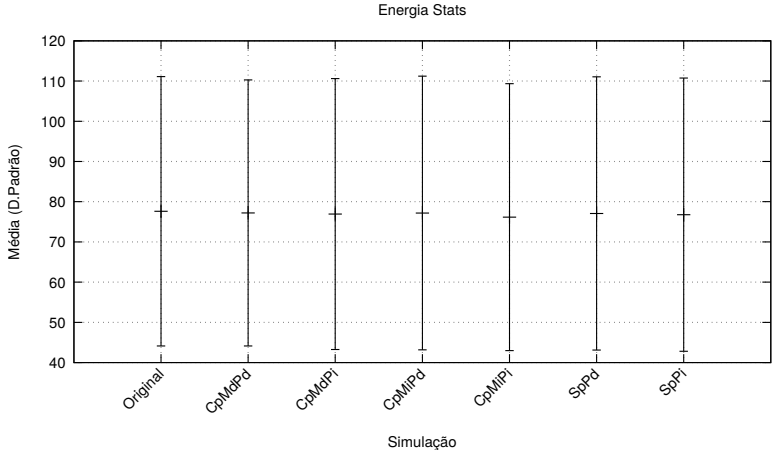
(b) SpPi

Tabela 32: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	130.02808	10.65054	77.60940	33.49460
CpMdPd	126.62449	8.75758	77.21312	33.08491
CpMdPi	125.48189	9.59304	76.93787	33.68984
CpMiPd	127.23650	9.25093	77.18179	34.02907
CpMiPi	125.05856	9.12875	76.16035	33.18904
SpPd	127.02296	8.48081	77.07529	33.97868
SpPi	126.04261	9.73322	76.77847	33.96336



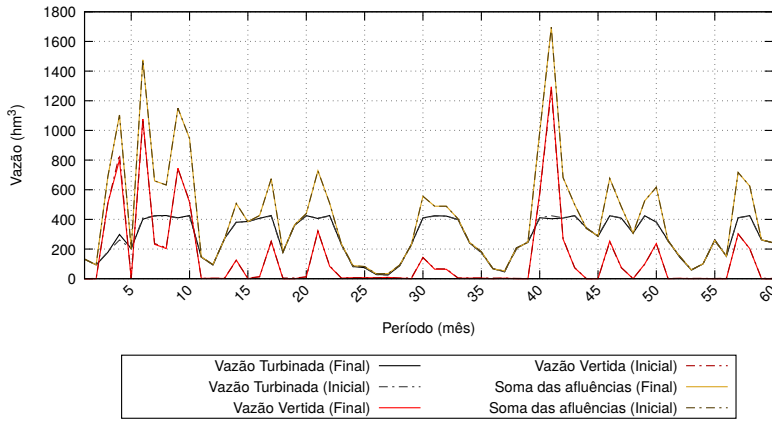
(a) Volume



(b) Energia

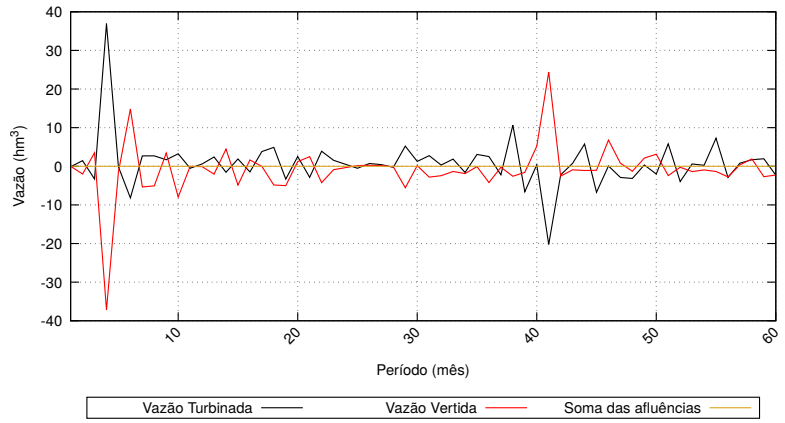
28.1 Resultados - CpMdPd

CpMdPd - Vazão - Plano Inicial x Plano Final



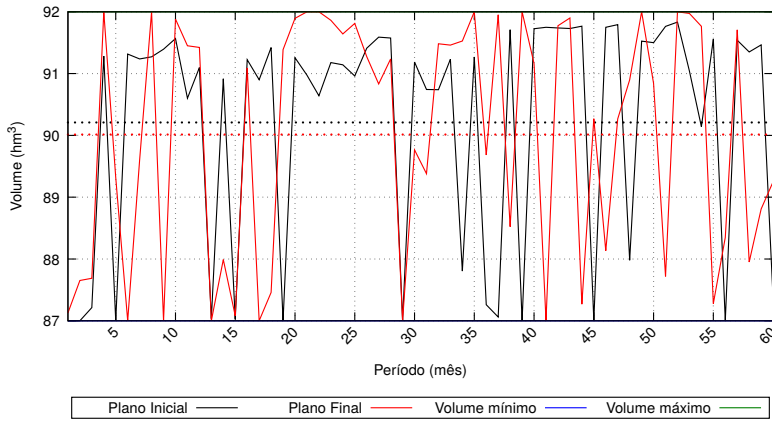
(a) CpMdPd

CpMdPd - Vazão - Diferença



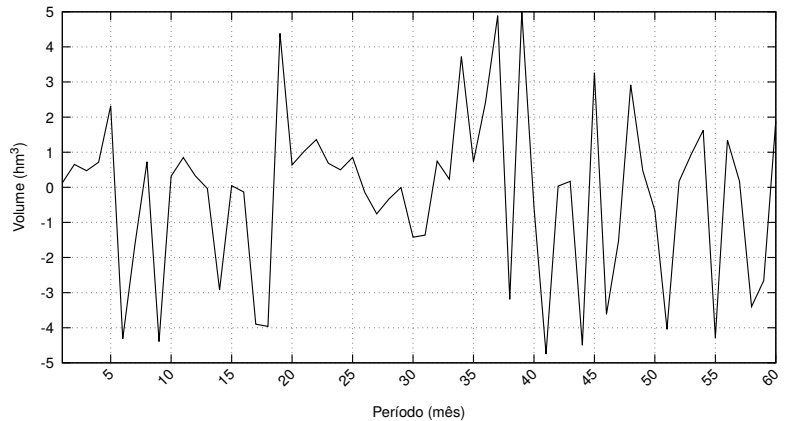
(b) CpMdPd

CpMdPd - Volume - Plano Inicial x Plano Final



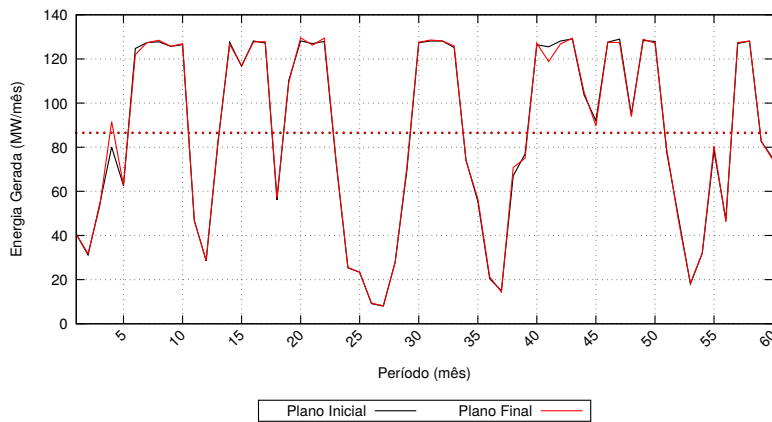
(a) CpMdPd

CpMdPd - Volume - Diferença



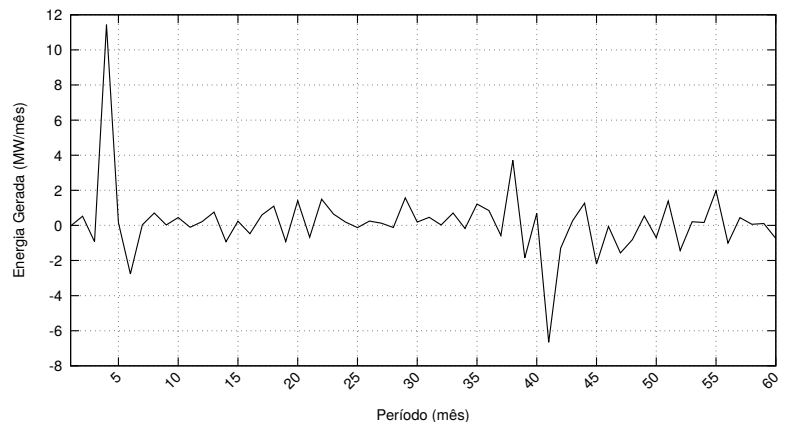
(b) CpMdPd

CpMdPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPd

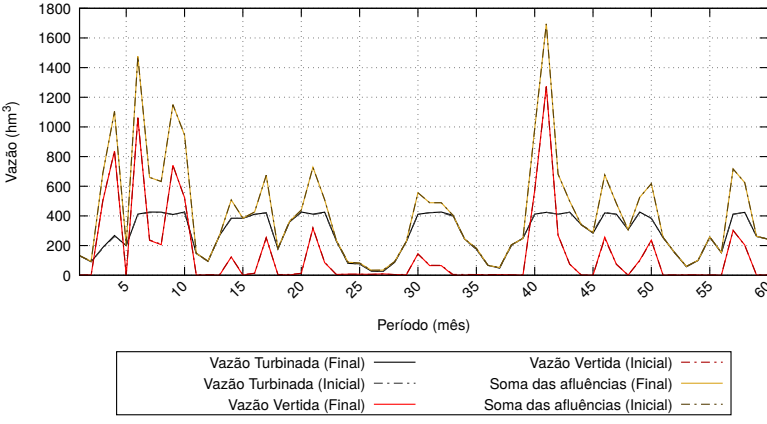
CpMdPd - Energia Gerada - Diferença



(b) CpMdPd

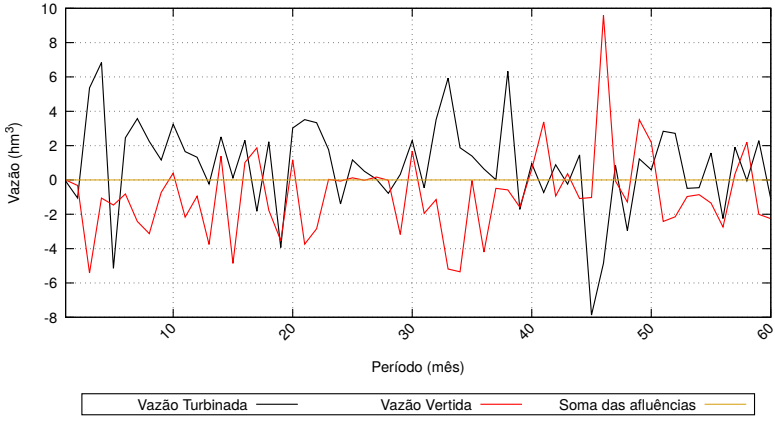
28.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



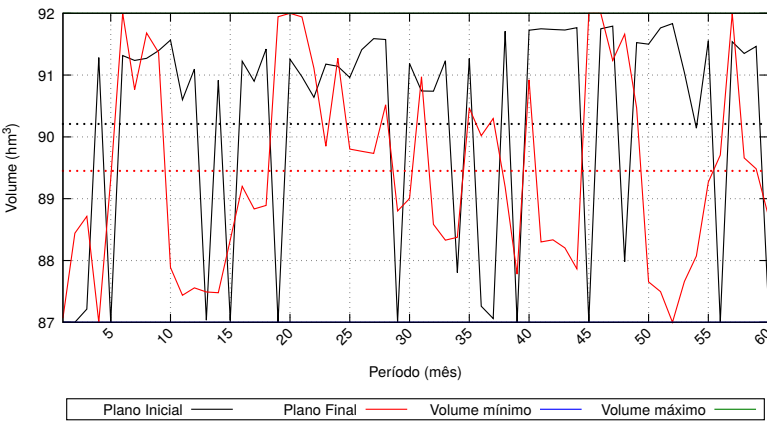
(a) CpMdPi

CpMdPi - Vazão - Diferença



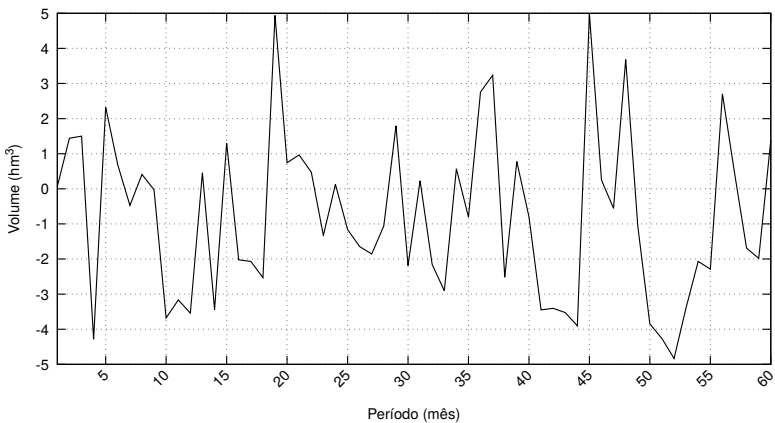
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



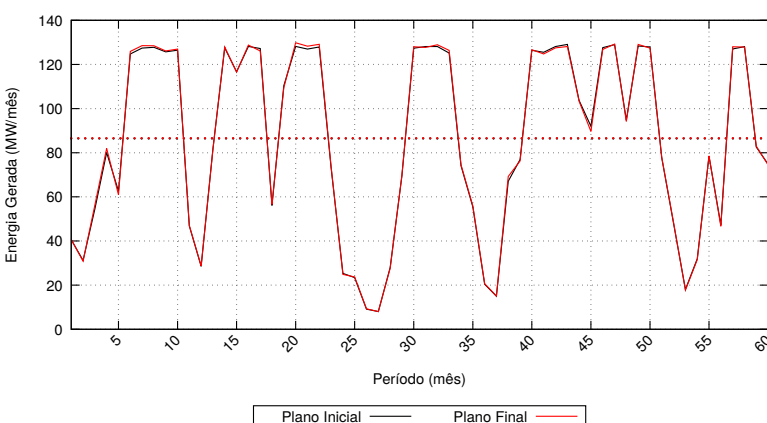
(a) CpMdPi

CpMdPi - Volume - Diferença



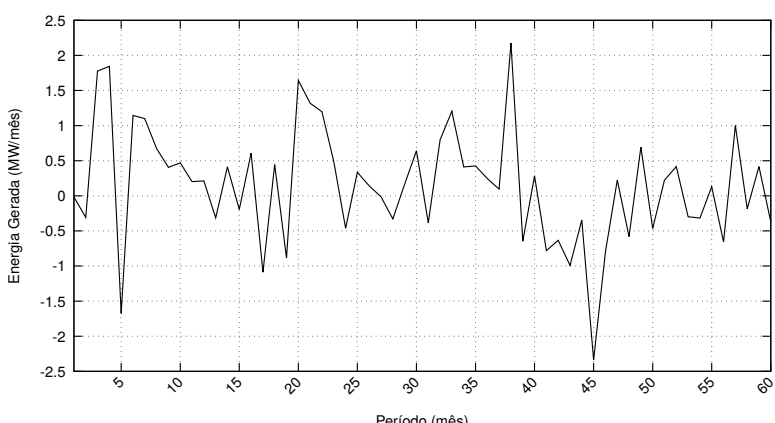
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

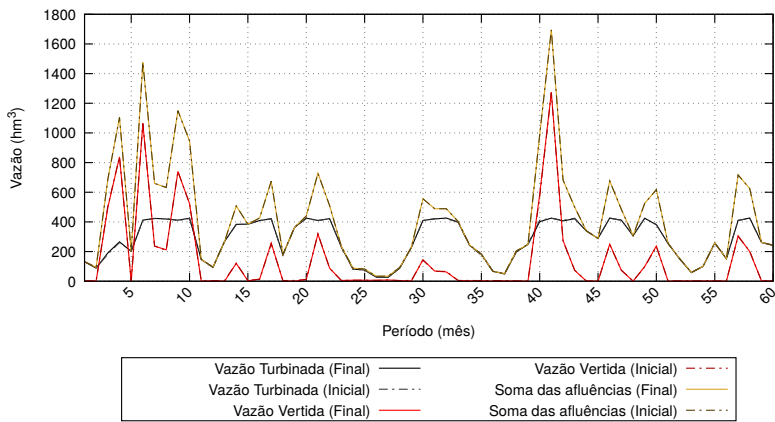
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

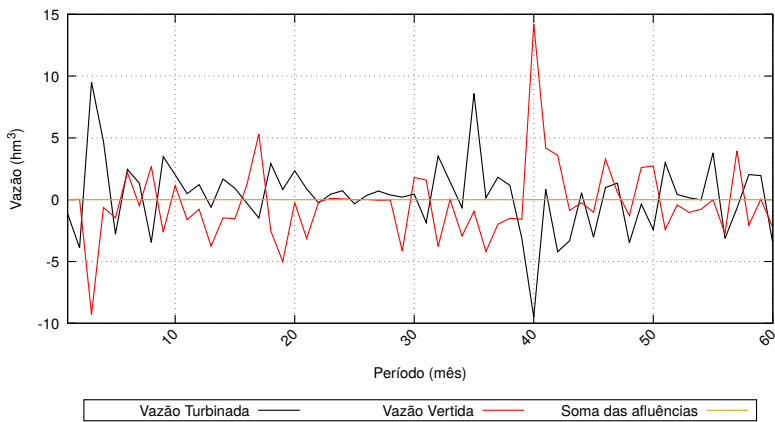
28.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



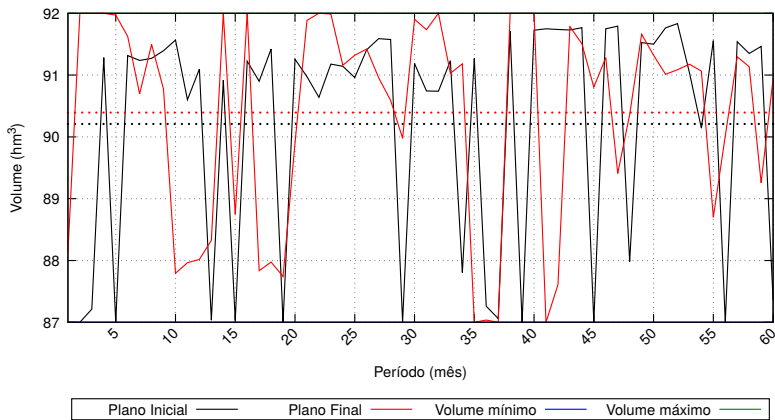
(a) CpMiPd

CpMiPd - Vazão - Diferença



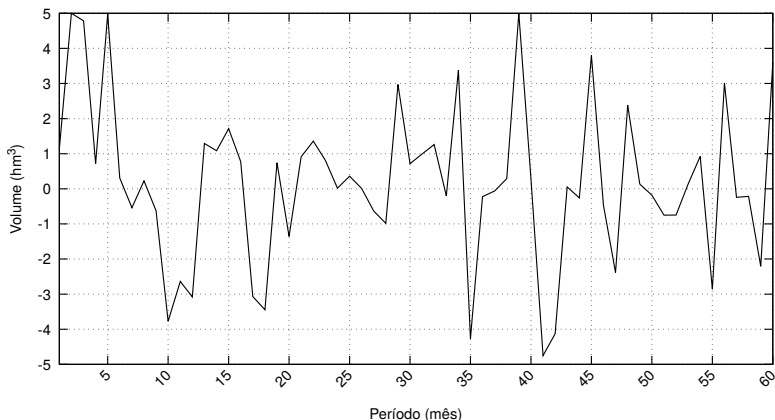
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



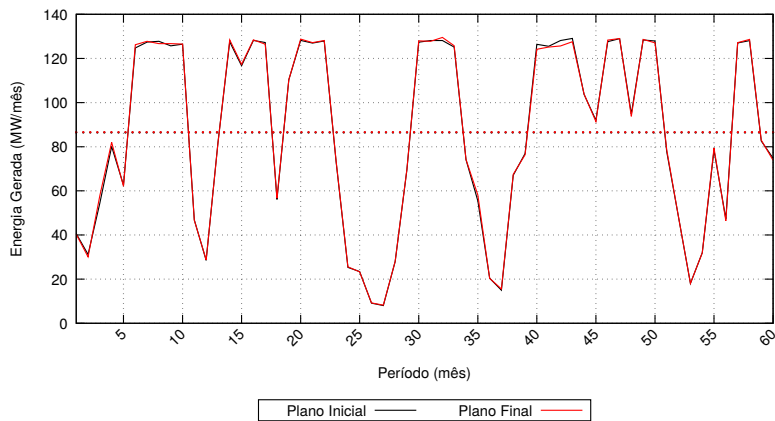
(a) CpMiPd

CpMiPd - Volume - Diferença



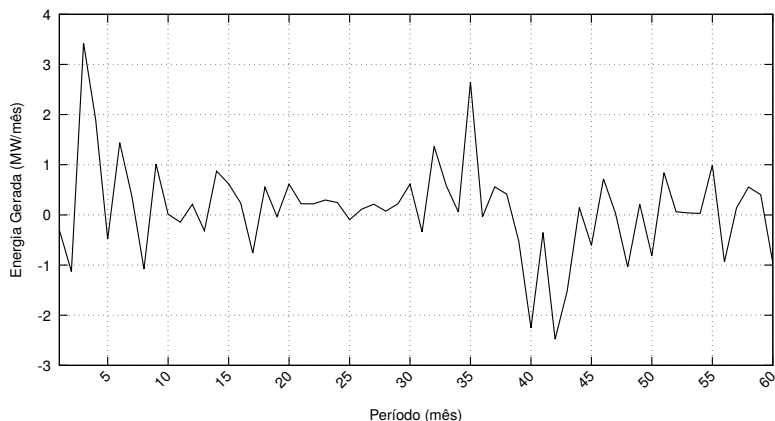
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

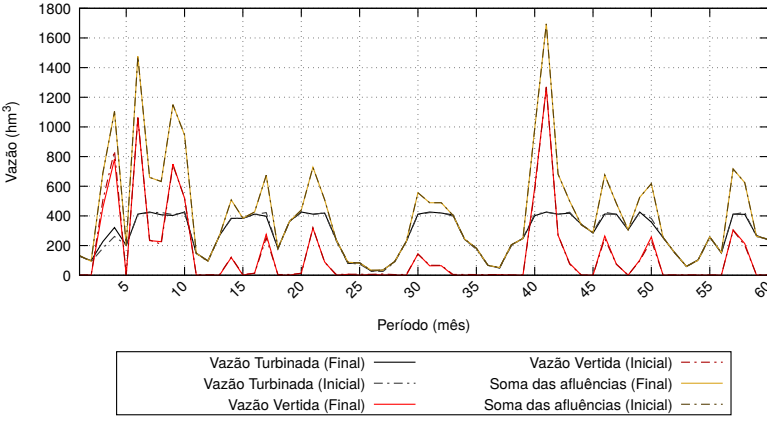
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

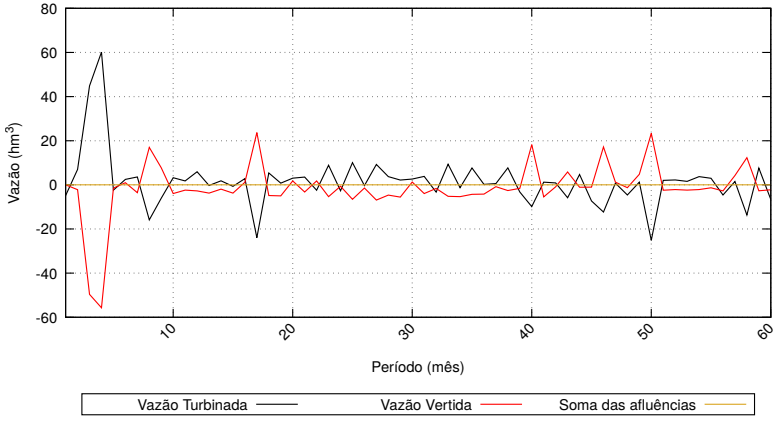
28.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



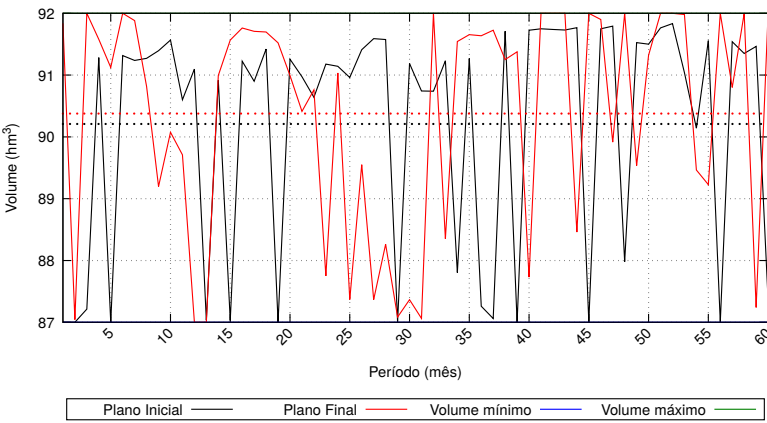
(a) CpMiPi

CpMiPi - Vazão - Diferença



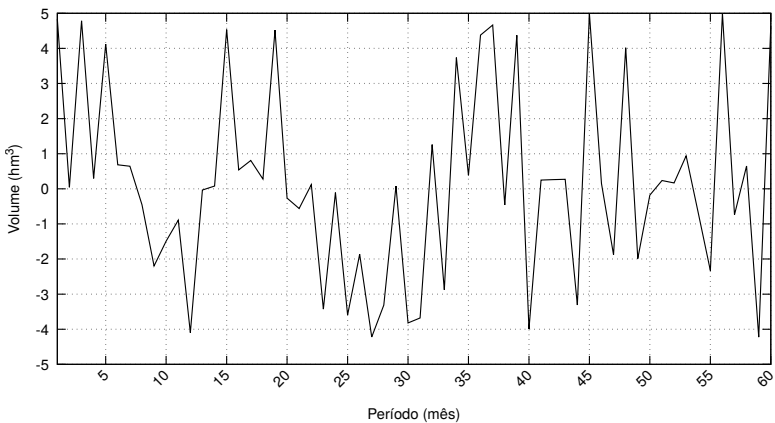
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



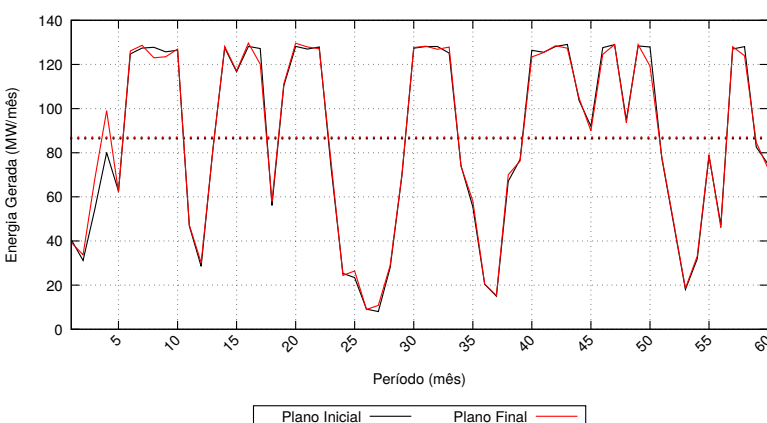
(a) CpMiPi

CpMiPi - Volume - Diferença



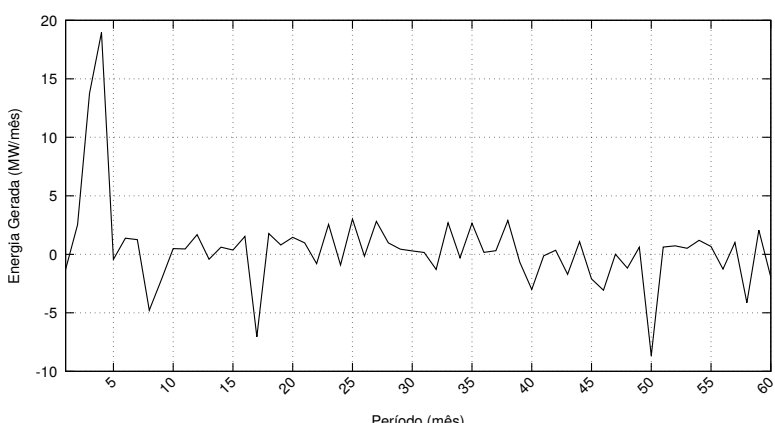
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

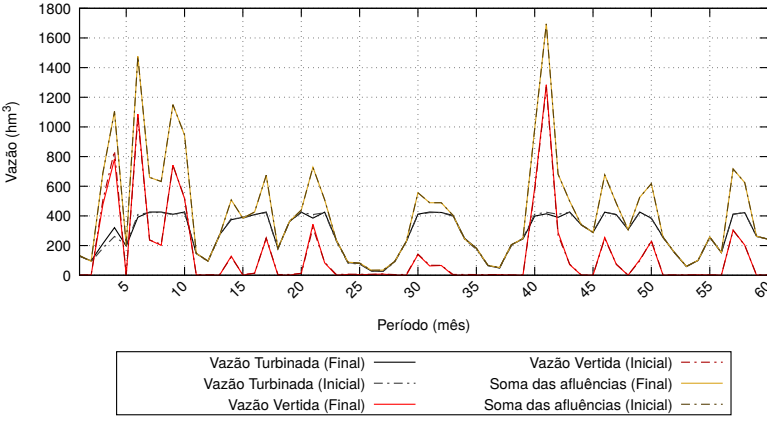
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

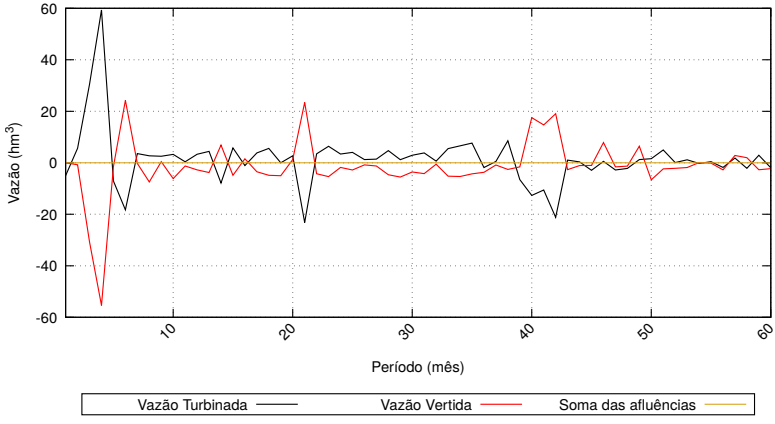
28.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



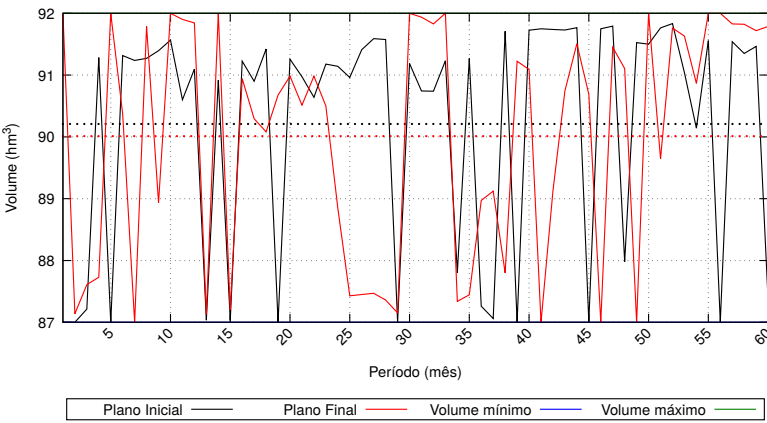
(a) SpPd

SpPd - Vazão - Diferença



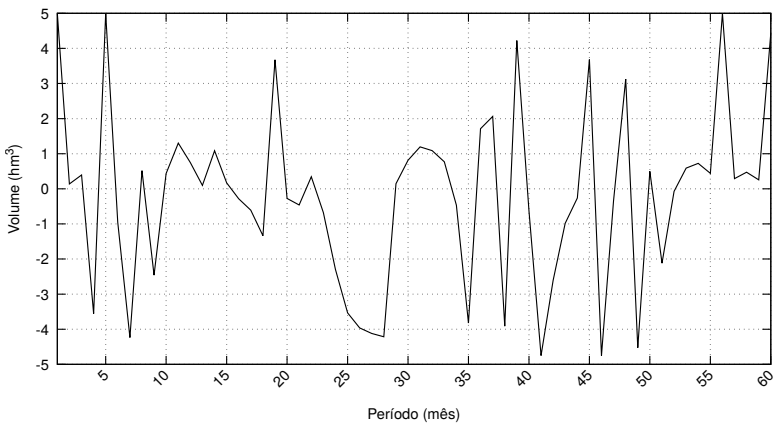
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



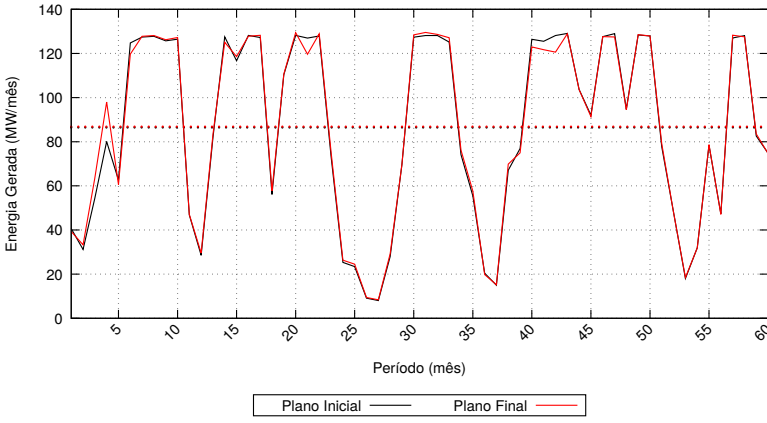
(a) SpPd

SpPd - Volume - Diferença



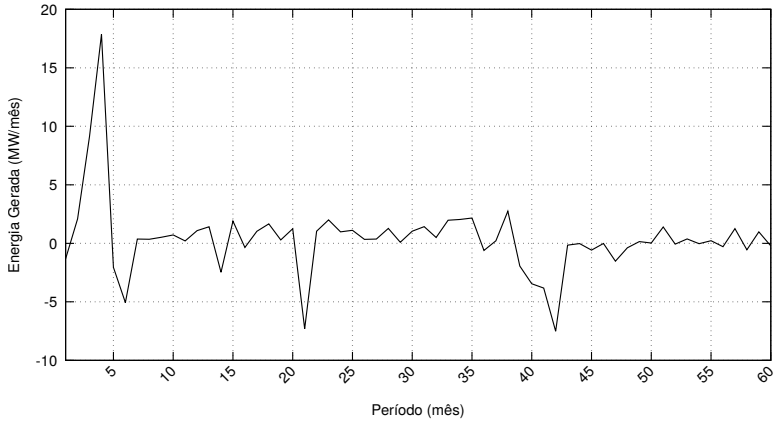
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

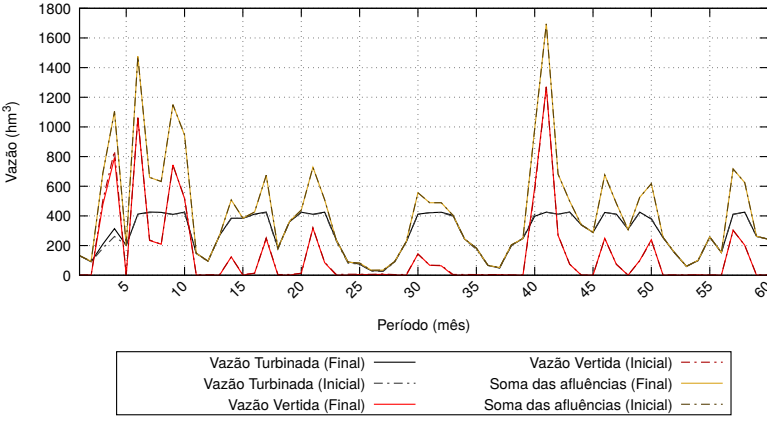
SpPd - Energia Gerada - Diferença



(b) SpPd

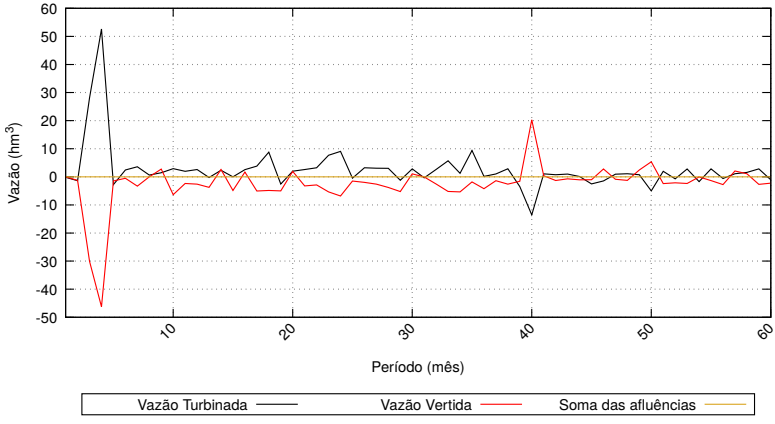
28.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



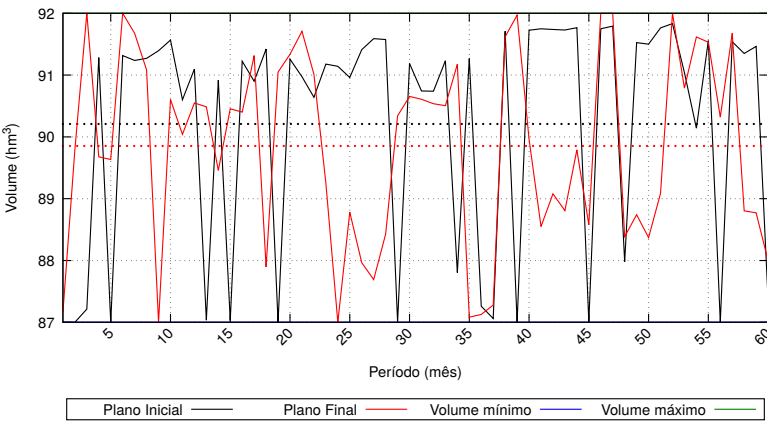
(a) SpPi

SpPi - Vazão - Diferença



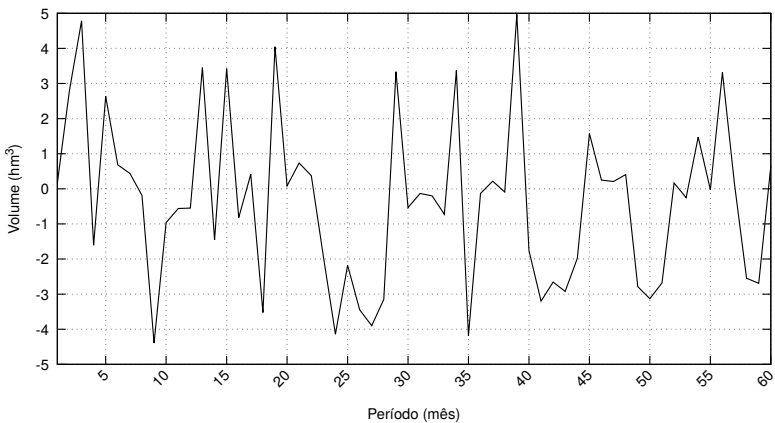
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



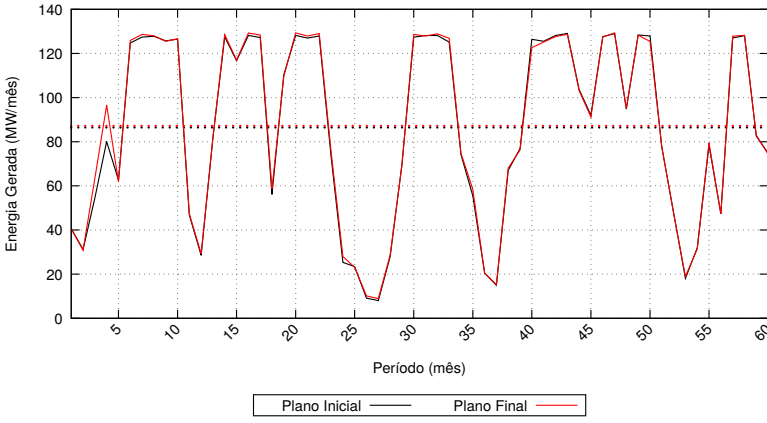
(a) SpPi

SpPi - Volume - Diferença



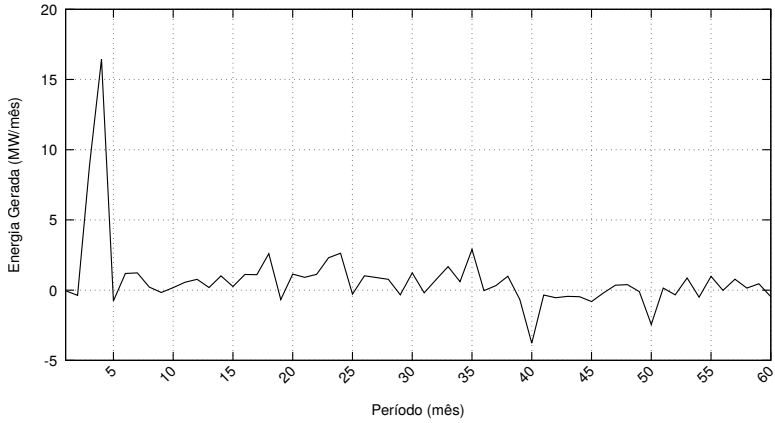
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

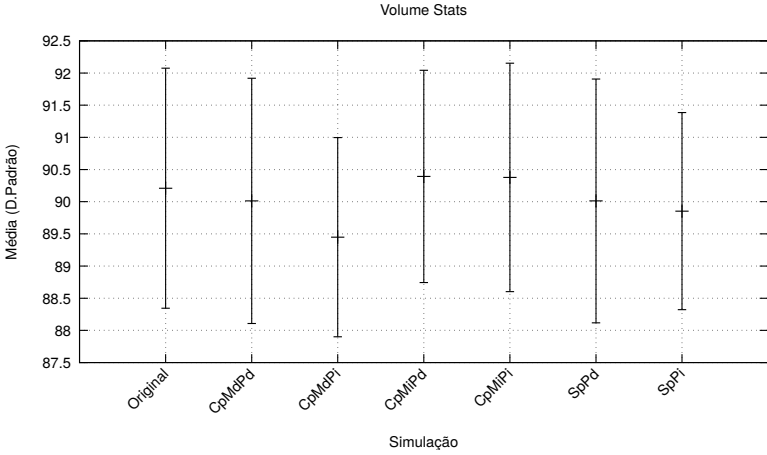
SpPi - Energia Gerada - Diferença



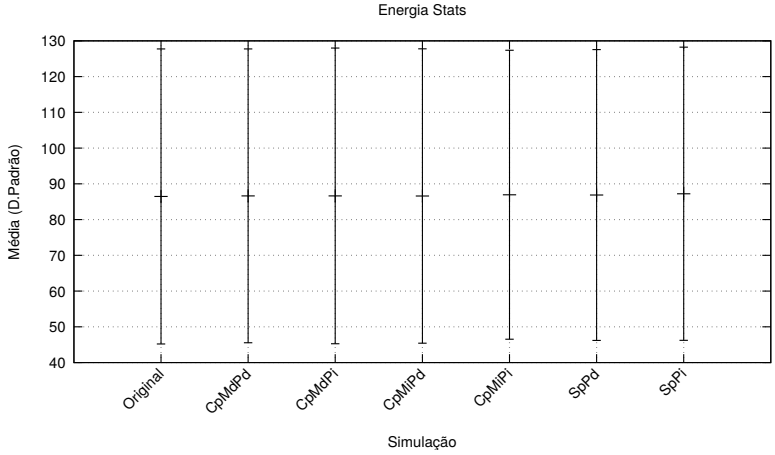
(b) SpPi

Tabela 33: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	90.20948	1.86566	86.47173	41.25588
CpMdPd	90.01319	1.90520	86.63995	41.09503
CpMdPi	89.44918	1.54832	86.62008	41.35515
CpMiPd	90.39353	1.64975	86.58956	41.17958
CpMiPi	90.37742	1.77520	86.94489	40.42450
SpPd	90.01274	1.89452	86.86832	40.68200
SpPi	89.85353	1.53133	87.22360	41.01500

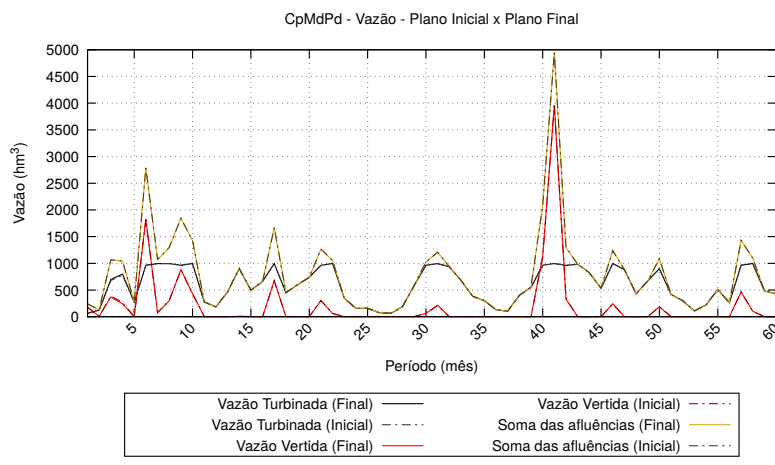


(a) Volume

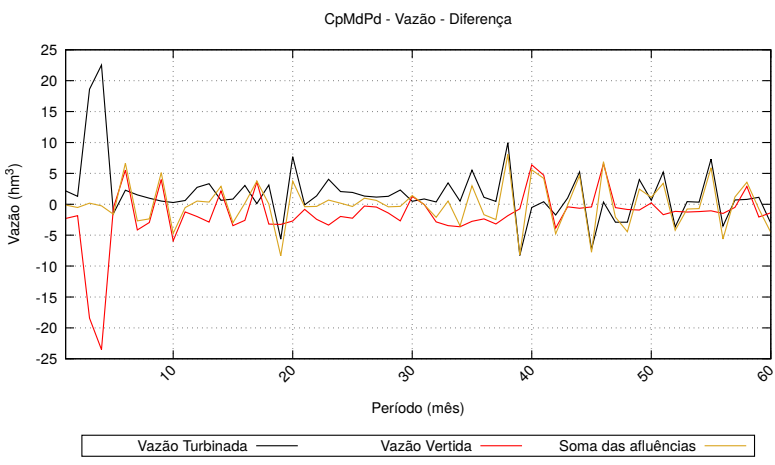


(b) Energia

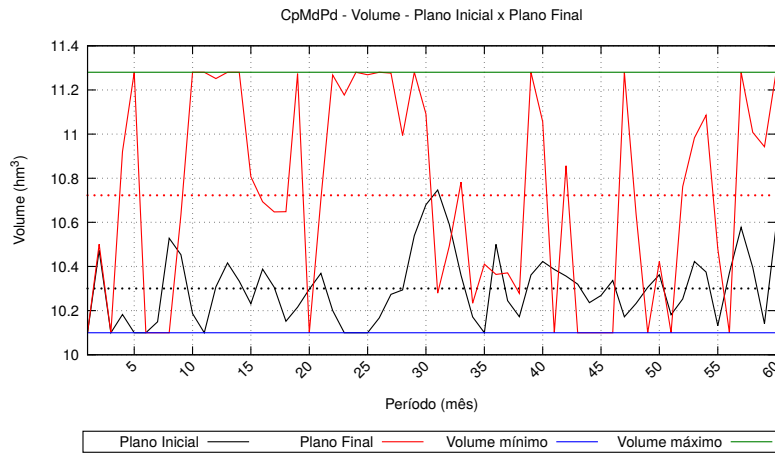
29.1 Resultados - CpMdPd



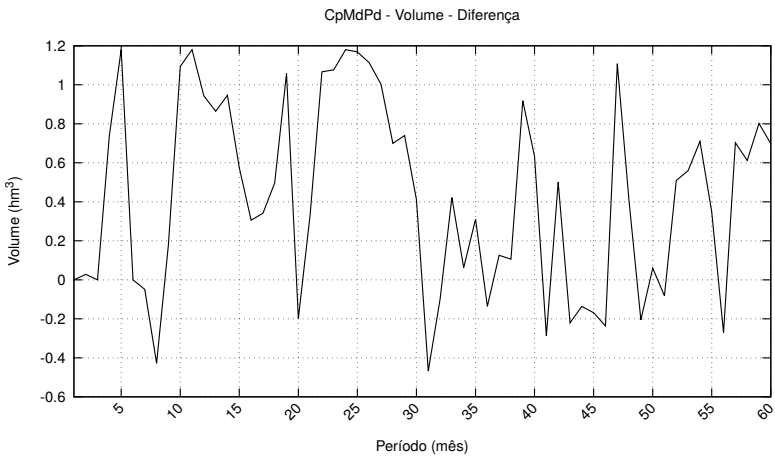
(a) CpMdPd



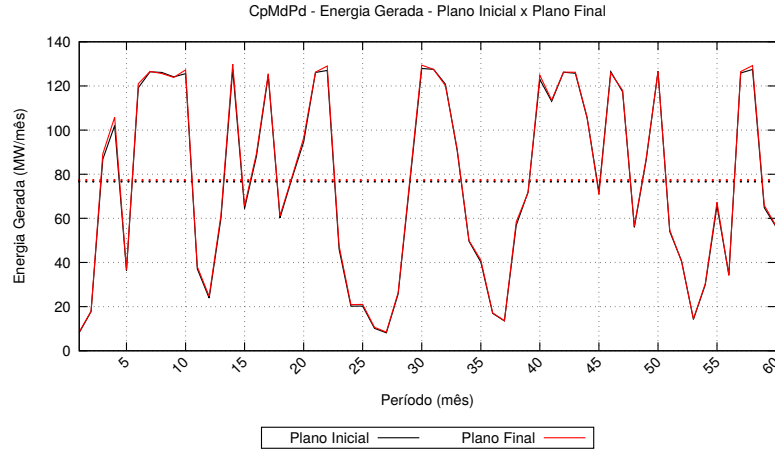
(b) CpMdPd



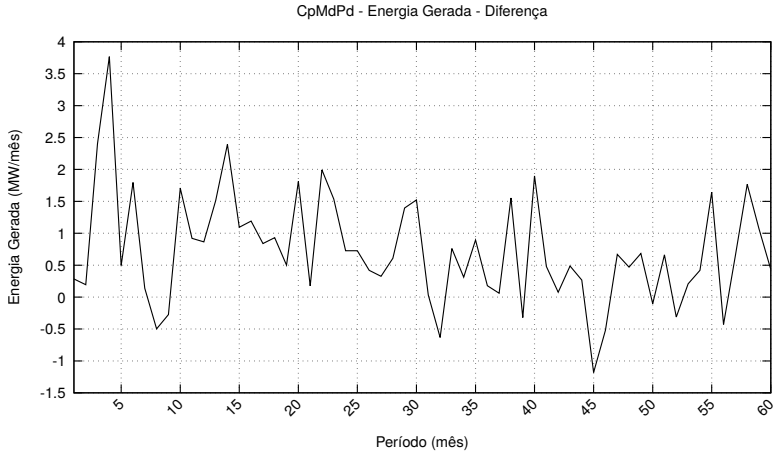
(a) CpMdPd



(b) CpMdPd



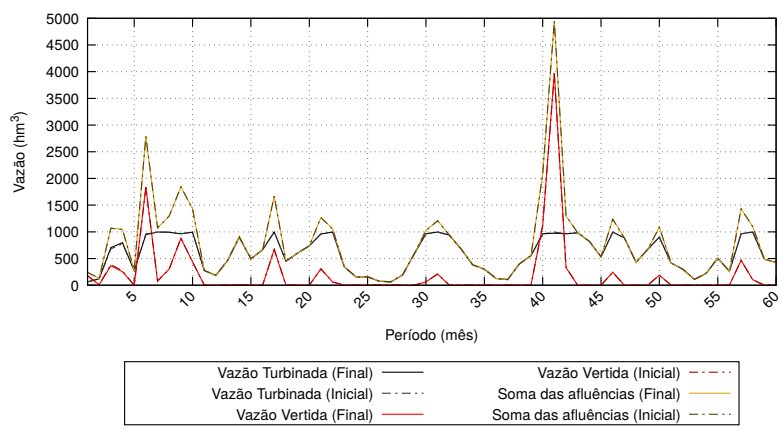
(a) CpMdPd



(b) CpMdPd

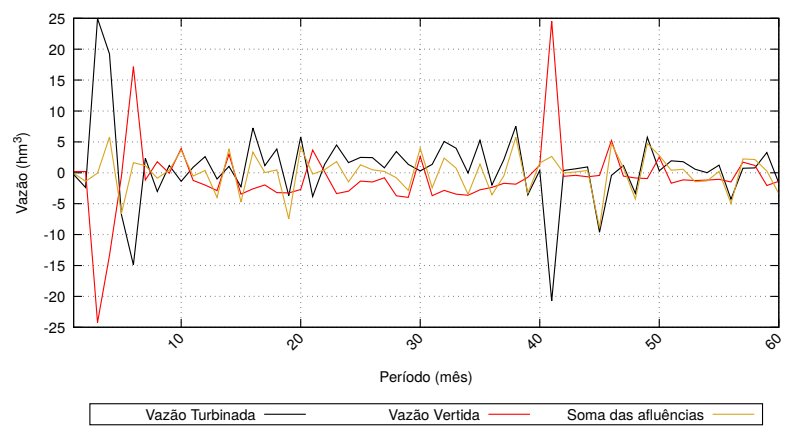
29.2 Resultados - CpMdPi

CpMdPi - Vazão - Plano Inicial x Plano Final



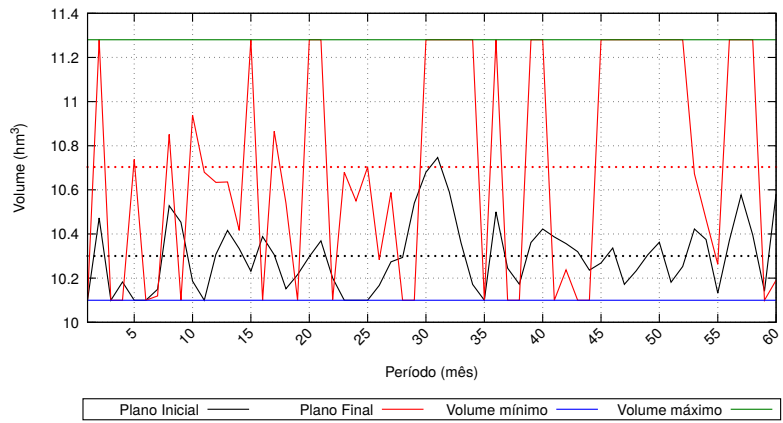
(a) CpMdPi

CpMdPi - Vazão - Diferença



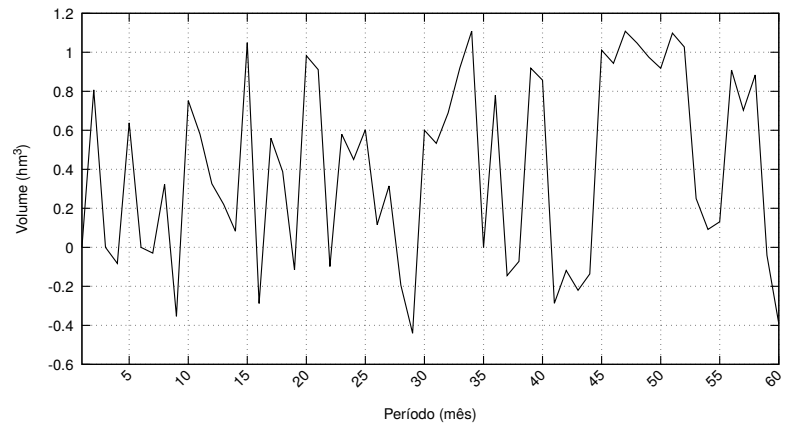
(b) CpMdPi

CpMdPi - Volume - Plano Inicial x Plano Final



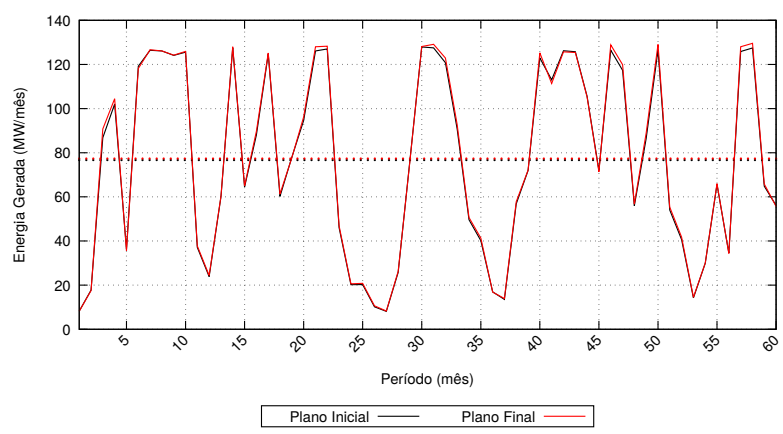
(a) CpMdPi

CpMdPi - Volume - Diferença



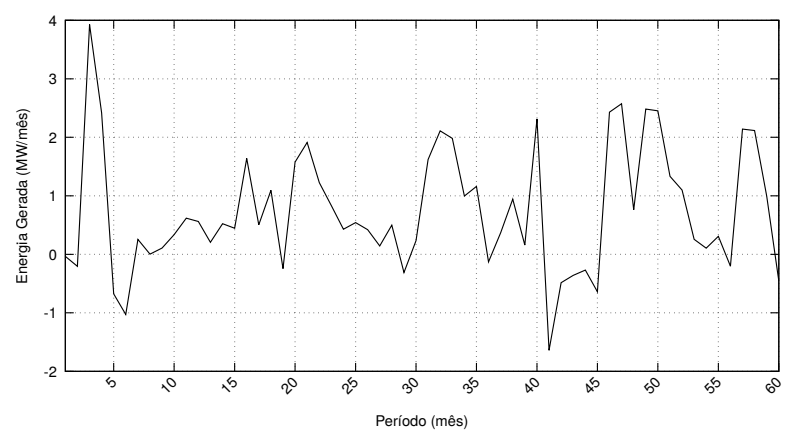
(b) CpMdPi

CpMdPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMdPi

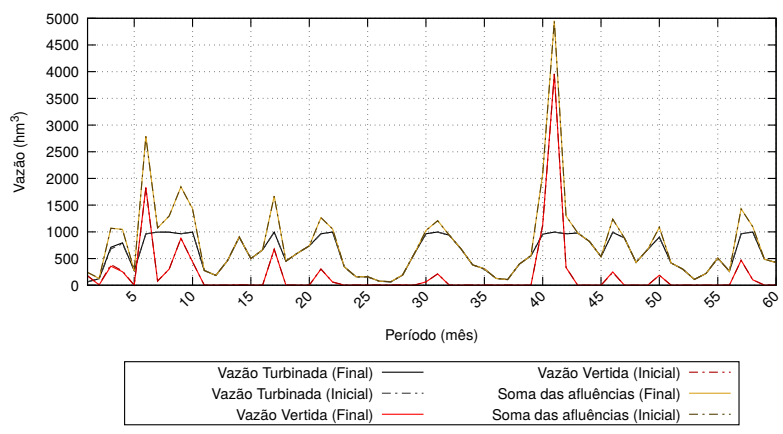
CpMdPi - Energia Gerada - Diferença



(b) CpMdPi

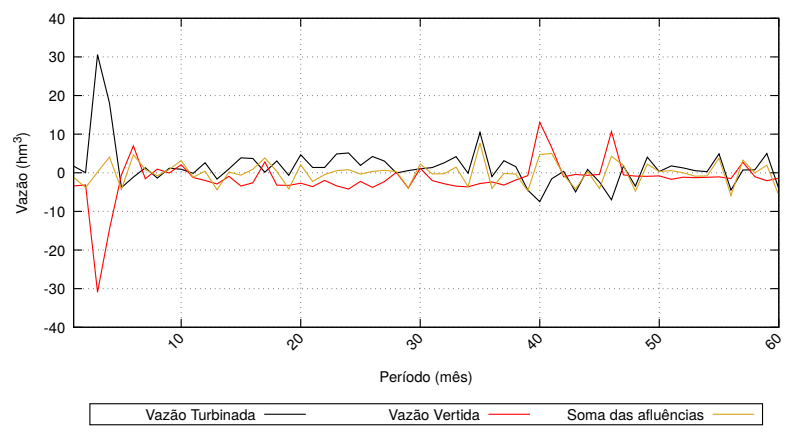
29.3 Resultados - CpMiPd

CpMiPd - Vazão - Plano Inicial x Plano Final



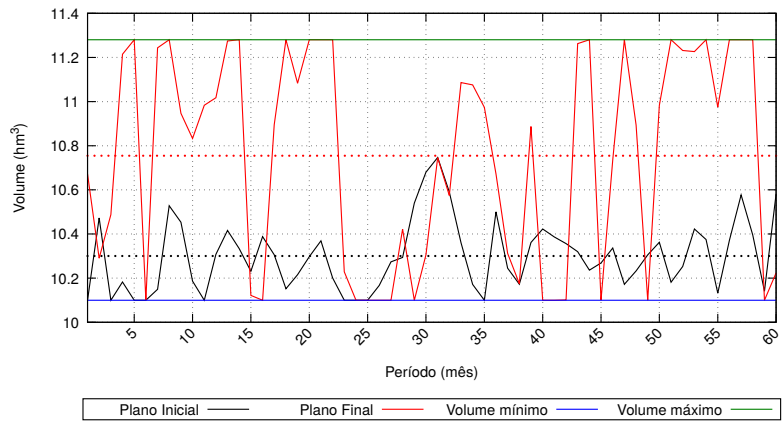
(a) CpMiPd

CpMiPd - Vazão - Diferença



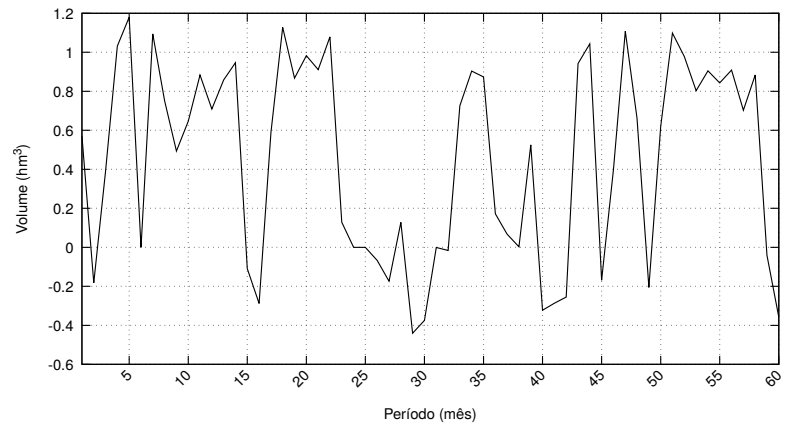
(b) CpMiPd

CpMiPd - Volume - Plano Inicial x Plano Final



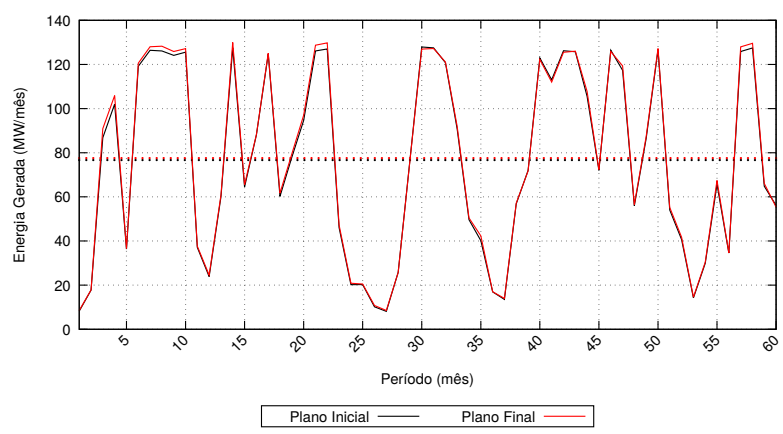
(a) CpMiPd

CpMiPd - Volume - Diferença



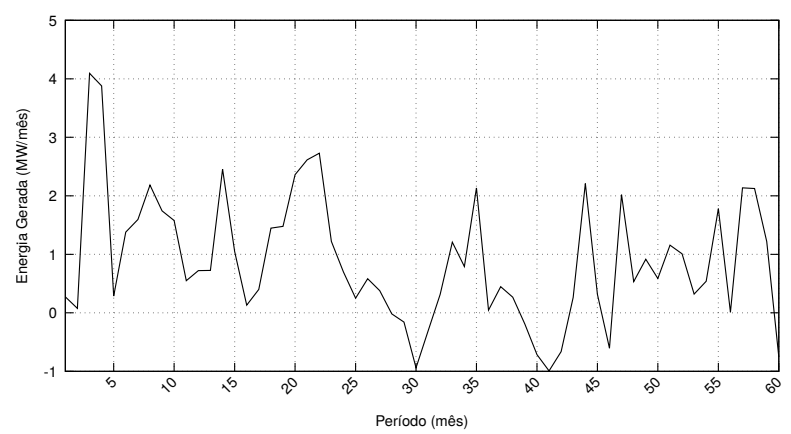
(b) CpMiPd

CpMiPd - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPd

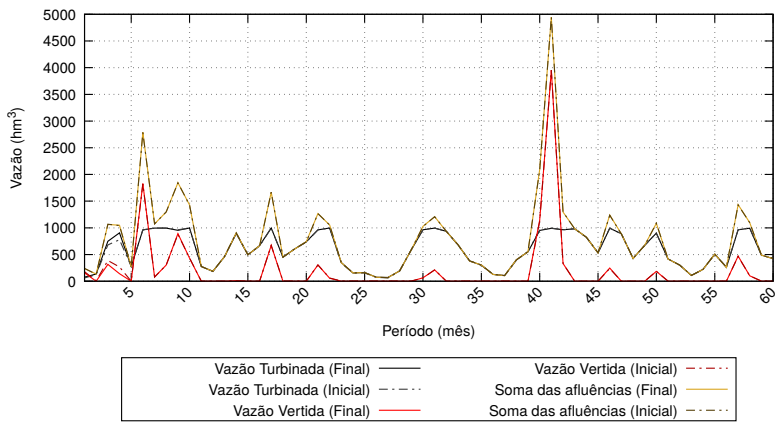
CpMiPd - Energia Gerada - Diferença



(b) CpMiPd

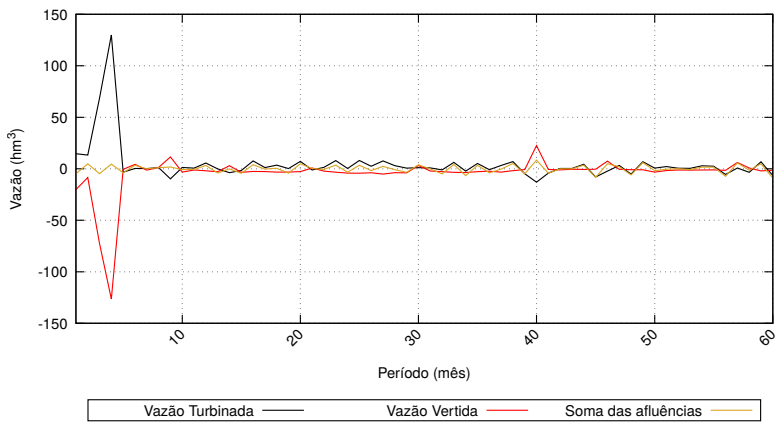
29.4 Resultados - CpMiPi

CpMiPi - Vazão - Plano Inicial x Plano Final



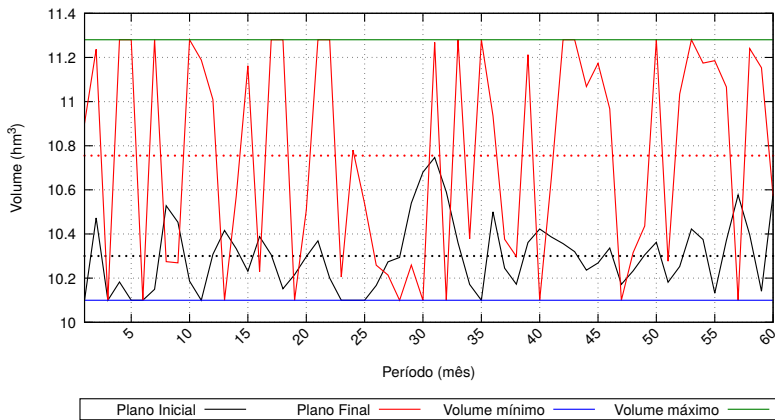
(a) CpMiPi

CpMiPi - Vazão - Diferença



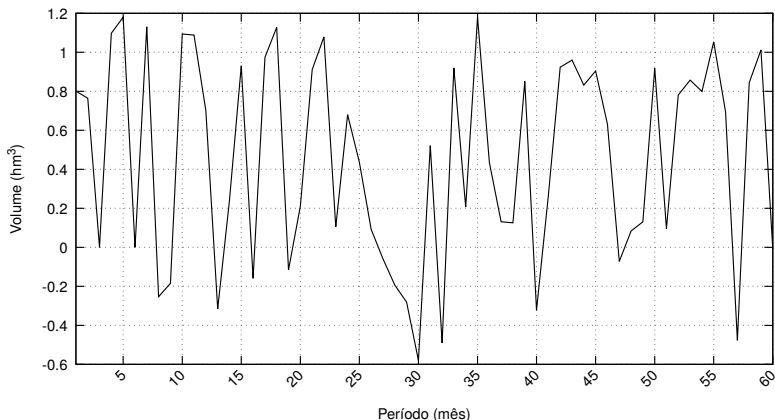
(b) CpMiPi

CpMiPi - Volume - Plano Inicial x Plano Final



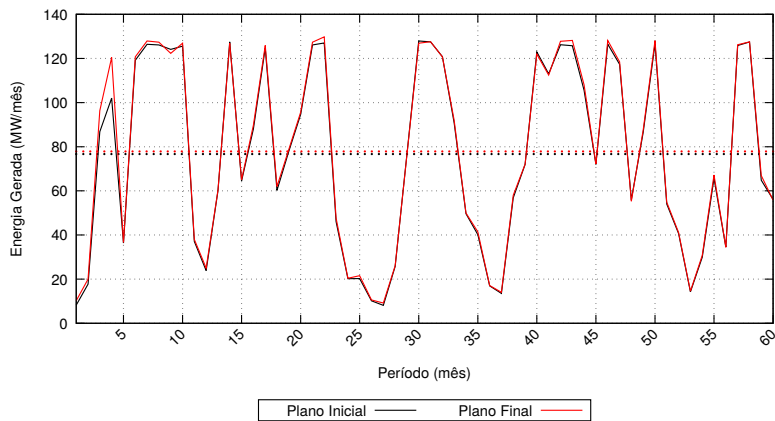
(a) CpMiPi

CpMiPi - Volume - Diferença



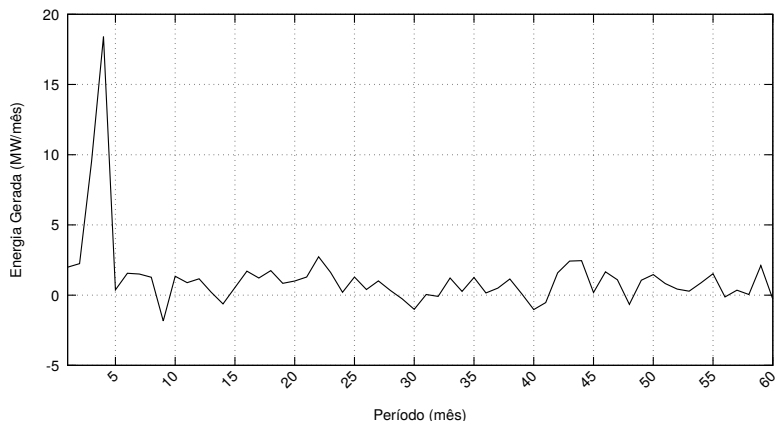
(b) CpMiPi

CpMiPi - Energia Gerada - Plano Inicial x Plano Final



(a) CpMiPi

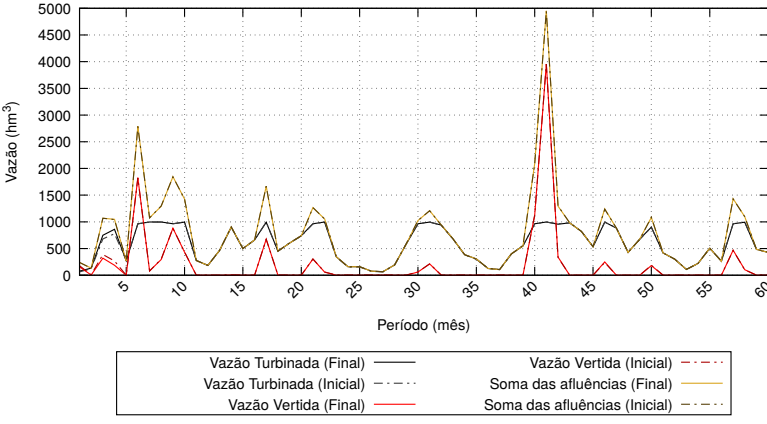
CpMiPi - Energia Gerada - Diferença



(b) CpMiPi

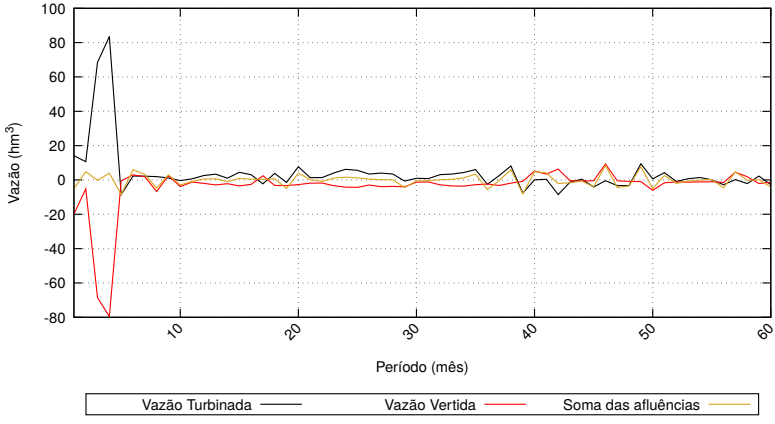
29.5 Resultados - SpPd

SpPd - Vazão - Plano Inicial x Plano Final



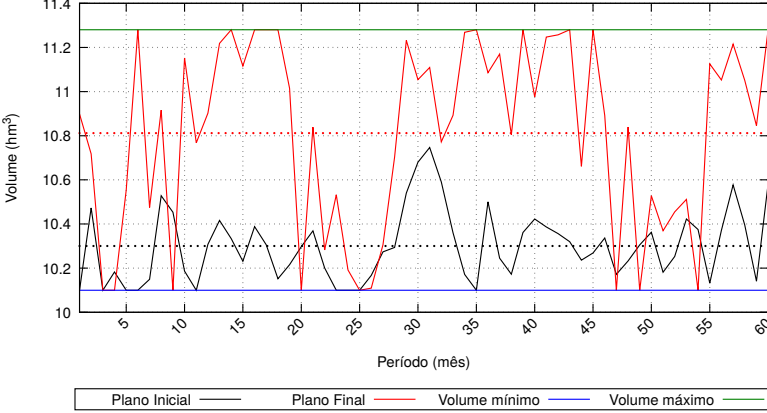
(a) SpPd

SpPd - Vazão - Diferença



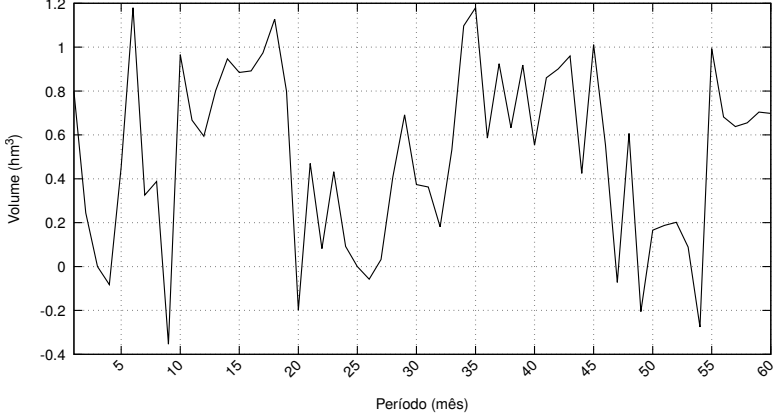
(b) SpPd

SpPd - Volume - Plano Inicial x Plano Final



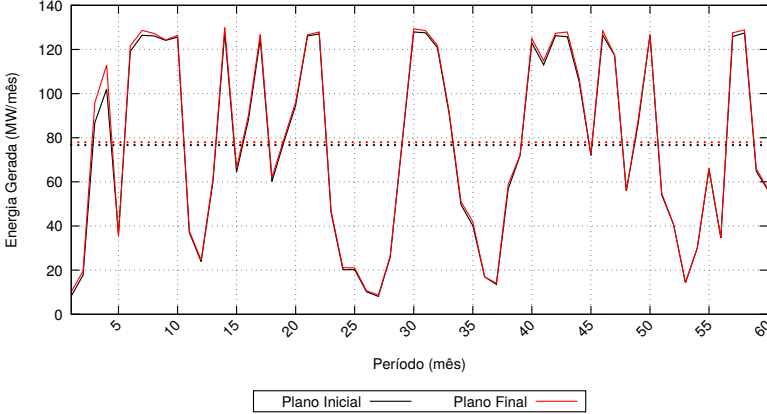
(a) SpPd

SpPd - Volume - Diferença



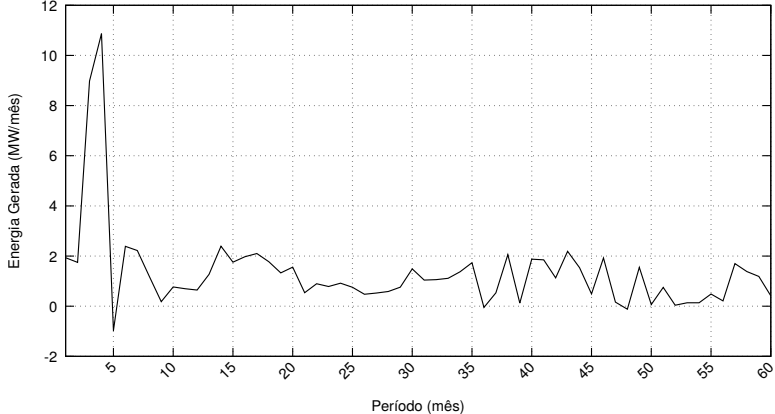
(b) SpPd

SpPd - Energia Gerada - Plano Inicial x Plano Final



(a) SpPd

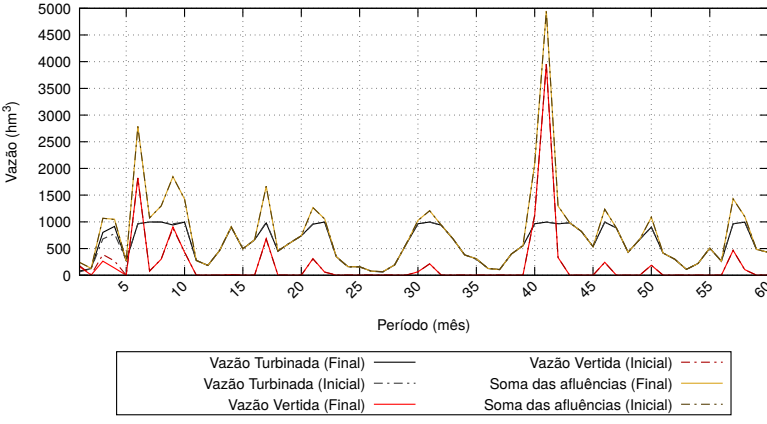
SpPd - Energia Gerada - Diferença



(b) SpPd

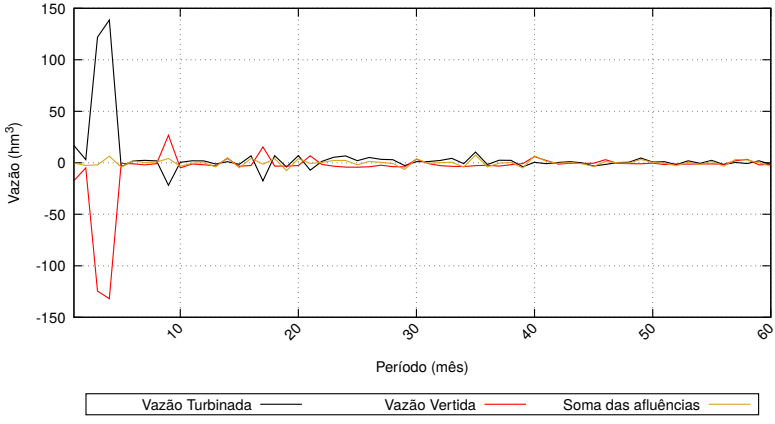
29.6 Resultados - SpPi

SpPi - Vazão - Plano Inicial x Plano Final



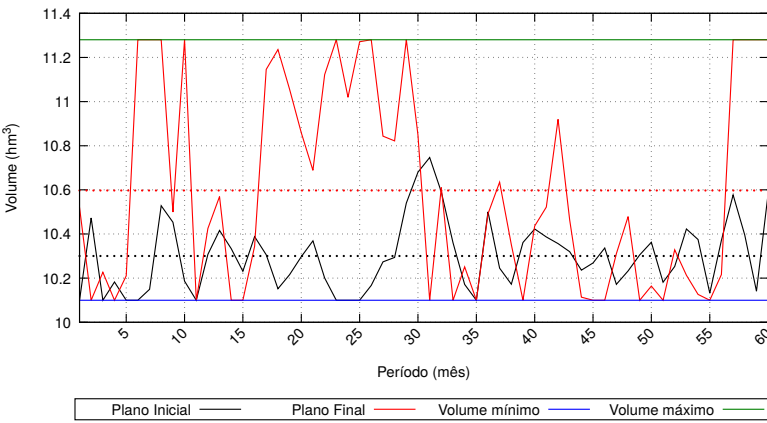
(a) SpPi

SpPi - Vazão - Diferença



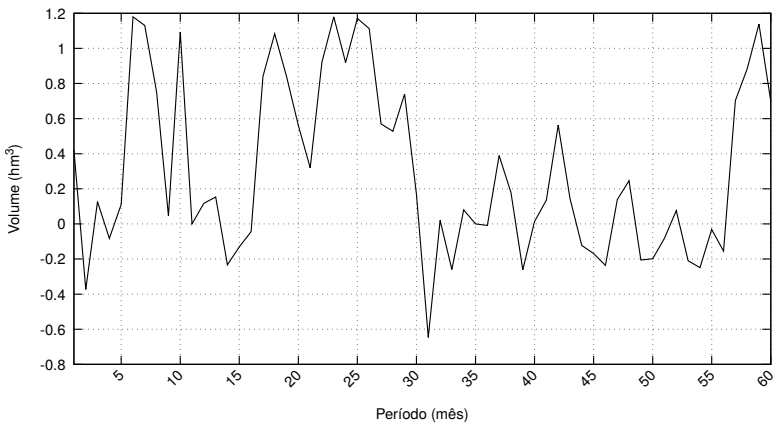
(b) SpPi

SpPi - Volume - Plano Inicial x Plano Final



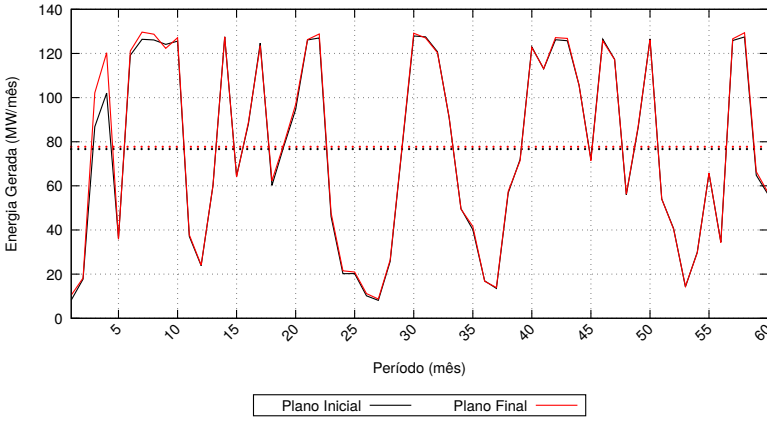
(a) SpPi

SpPi - Volume - Diferença



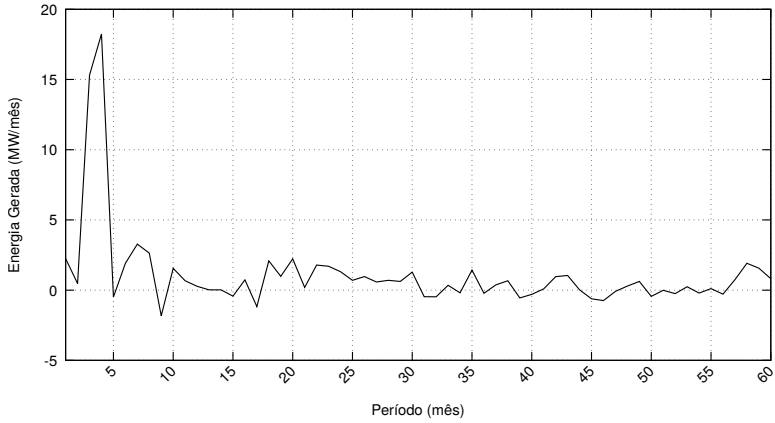
(b) SpPi

SpPi - Energia Gerada - Plano Inicial x Plano Final



(a) SpPi

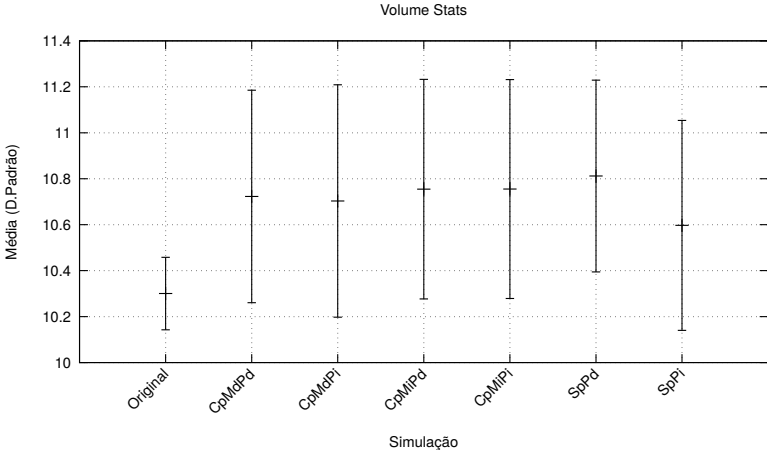
SpPi - Energia Gerada - Diferença



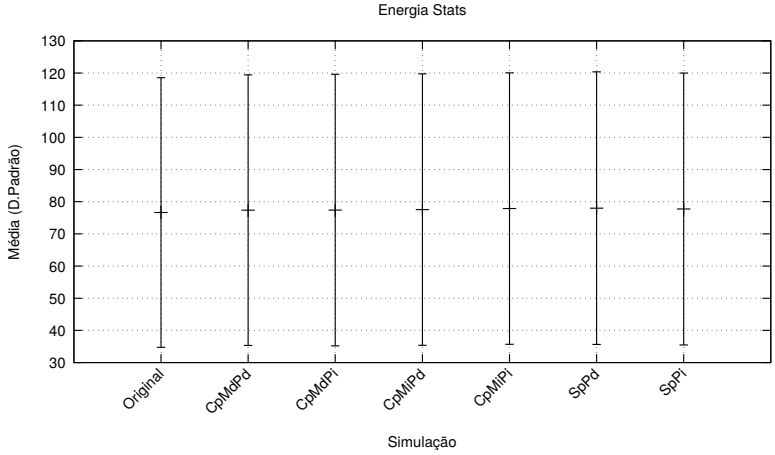
(b) SpPi

Tabela 34: GPlan Table

	volume		energy	
	Avg	SDev	Avg	SDev
Original	10.30039	0.15769	76.65360	41.89884
CpMdPd	10.72273	0.46232	77.38163	42.04716
CpMdPi	10.70327	0.50569	77.39493	42.21227
CpMiPd	10.75455	0.47763	77.55181	42.18116
CpMiPi	10.75515	0.47627	77.87031	42.18802
SpPd	10.81183	0.41718	77.99678	42.35983
SpPi	10.59701	0.45671	77.73603	42.26453



(a) Volume



(b) Energia