

MutationOpt	FaultModel	DataItem	Span	Type	FaultClass	Min	Max	Threshold	Delta	State	Value
1	TempMessage	1	1	INT	VAT	NA	NA	100	10	NA	NA
2	TempMessage	1	1	INT	FVAT	NA	NA	100	10	NA	NA

TestSuite1				
Decription		Complete suite		
		Test 1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature	"==50"	"==120"	
	temperature_alarm	"==0"	"==1"	
Mutants				
MUTANT 1				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature	110	120	1
	temperature_alarm	1	1	1
	KILLED			TRUE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature	50	90	2
	temperature_alarm	0	0	2
	KILLED			TRUE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	100%		

TestSuite3				
Description:		Only temperature		
		Test 1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature	"==50"	"==120"	
	temperature_alarm			
Mutants				
MUTANT 1				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature	110	120	1
	temperature_alarm			
	KILLED			TRUE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature			
	temperature_alarm	0	0	2
	KILLED			TRUE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	100%		

TestSuite5				
Description:		Imprecise oracle		
		Test 1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature	">=50"		
	temperature_alarm		"==1"	
Mutants				
MUTANT 1				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature	110		
	temperature_alarm		1	
	KILLED			FALSE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature	50		
	temperature_alarm		0	2
	KILLED			TRUE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	50%		

TestSuite2				
Decription		Complete suite		
		Test1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature	"==50"		
	temperature_alarm		"==1"	
Mutants				
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature	110		1
	temperature_alarm		1	
	KILLED			TRUE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature	50		
	temperature_alarm		0	2
	KILLED			TRUE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	100%		

TestSuite4				
Description:		Only errors		
		Test 1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature			
	temperature_alarm	"==0"	"==1"	
Mutants				
MUTANT 1				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature			
	temperature_alarm	1	1	1
	KILLED			TRUE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature			
	temperature_alarm	0	0	2
	KILLED			TRUE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	100%		

TestSuite6				
Description:		Missing oracle		
		Test 1	Test2	
Exchanged data				
Message1	temp_1	50	120	
Oracles				
	temperature	"==50"		
	temperature_alarm			
Mutants				
MUTANT 1				IDS_OF_FAILING_TESTS
	temp_1	110	120	
	temperature	110		1
	temperature_alarm			
	KILLED			TRUE
MUTANT 2				IDS_OF_FAILING_TESTS
	temp_1	50	90	
	temperature	50		
	temperature_alarm	0		
	KILLED			FALSE
Mutation analysis				
	FMC	100%		
	MOC	100%		
	MS	50%		