

```
[NaN] check_error(Any[Inf32, -Inf32])
                                        at FloatTracker/src/TrackedFloat.jl:11
+(::TrackedFloat32, ::TrackedFloat32)
                                        at FloatTracker/src/TrackedFloat.jl:103
                                        at ShallowWaters/src/rhs.jl:275
momentum_v!(...)
rhs_nonlinear!(...)
                                        at ShallowWaters/src/rhs.jl:51
                                        at ShallowWaters/src/rhs.jl:14
rhs!()
                                        at ShallowWaters/src/time_integration.jl:77
time_integration(...)
                                        at ShallowWaters/src/run_model.jl:37
run_model(...)
#run_model#57()
                                        at ShallowWaters/src/run_model.jl:17
run_model##kw()
                                        at ShallowWaters/src/run_model.jl:12
run_model##kw(run_model)
                                        at ShallowWaters/src/run_model.jl:12
top-level scopeCore.tuple(...)
                                        at FTExamples/examples/sw_nan_tf.jl:7
```

# ShallowWaters.jl



# sw\_gen\_logs.txt









check\_error(Any[

ShallowWaters/src/rhs.jl:275

rhs!()

#### ShallowWaters/src/rhs.jl:51

#### ShallowWaters/src/rhs.jl:14



#### FloatTracker/src/TrackedFloat.jl:103

# time\_integration(...)

#### FloatTracker/src/TrackedFloat.jl:11

(::TrackedFloat32,

momentum\_v!(...)

#run\_model#57()

run\_model(...)

#### ShallowWaters/src/time\_integration.jl:77

#### ShallowWaters/src/run\_model.jl:17

#### ShallowWaters/src/run\_model.jl:37

# rhs\_nonlinear!(...)

# ::TrackedFloat32)

run\_model##kw(run\_model)

#### ShallowWaters/src/run\_model.jl:12

run\_model##kw()

scopeCore.tuple(...)

#### top-level

#### FTExamples/examples/sw\_nan\_tf.jl:7







































