1-2) Data types, events and interfaces

AOCS_MODE: *Enumeration*

NOMINAL_MODE
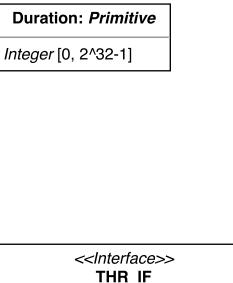SAFE_MODE
SCIENCE_MODE

Angular_Velocity: *Struct*

Rate_X: *Integer* [-30, +30]
Rate_Y: *Integer* [-30, +30]
Rate_Z: *Integer* [-30, +30]

Duration: *Primitive*

Integer [0, 2^32-1]

GYR_FAILURE: *Event*

Last_Acq_AV: Angular_Velocity

<<Interface>>
AOCS_IF

Set_Mode (*in A*OCS_mode mode)
Step()

<<Interface>>
GYR_IF

GYR_AV: ro Angular_Velocity

<<Interface>>
THR_IF

Exec_THR_Cmd (*in* Duration dr)