Time stream queries

* AWS Rule to get data from MQTT to Timestream Db

SELECT \* FROM 'arduino/ldr-servo'

* Queries to check the data from the Timestream Db

SELECT

time,

MAX(CASE WHEN measure\_name = 'LDR1' THEN measure\_value::double END) AS LDR1,

MAX(CASE WHEN measure\_name = 'LDR2' THEN measure\_value::double END) AS LDR2,

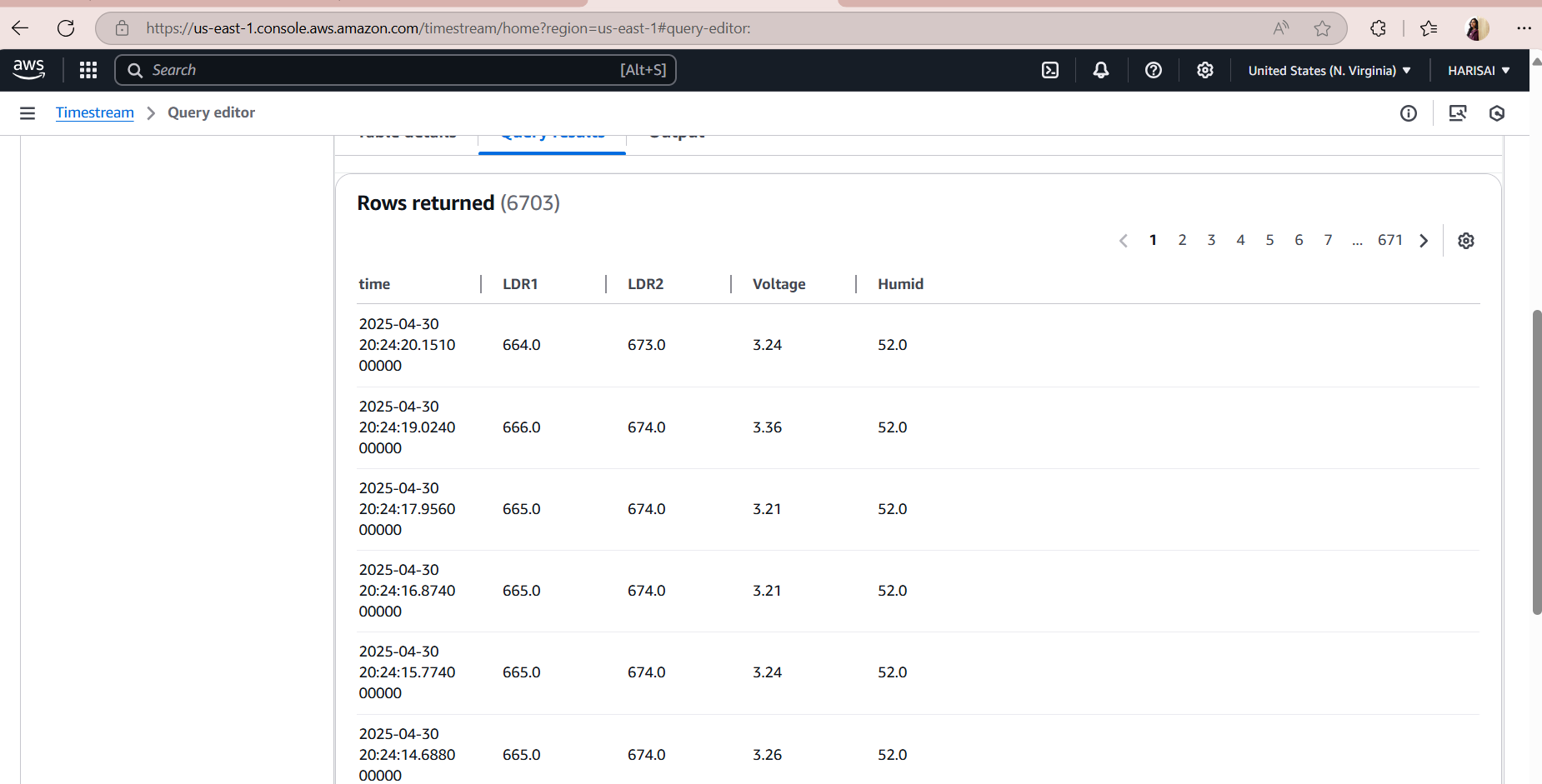
MAX(CASE WHEN measure\_name = 'Voltage' THEN measure\_value::double END) AS Voltage,

MAX(CASE WHEN measure\_name = 'Humid' THEN measure\_value::double END) AS Humid

FROM "SolarTrackingDB"."SensorDataTable"

GROUP BY time

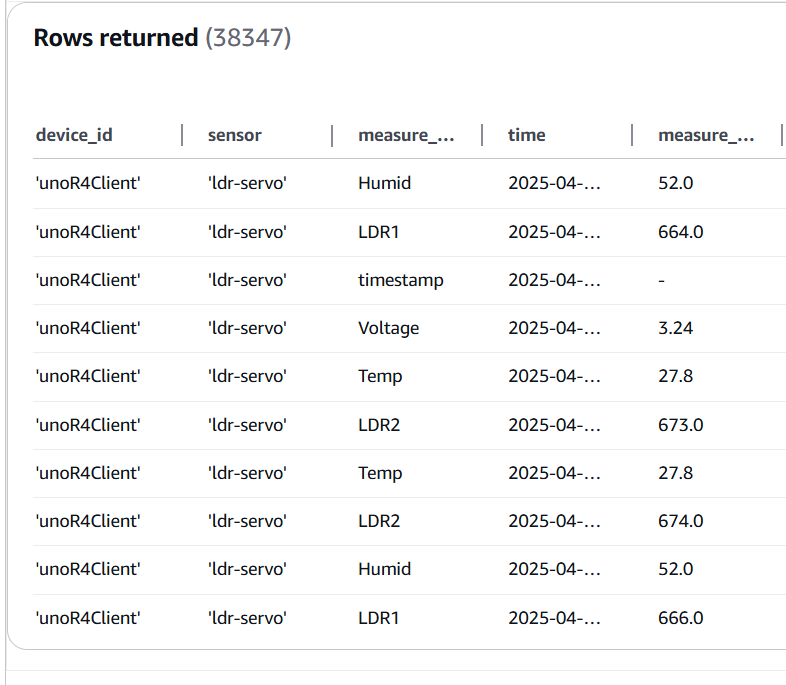
ORDER BY time DESC



SELECT \*

FROM "SolarTrackingDB"."SensorDataTable"

ORDER BY time DESC



Query used for Grafana Visualization

WITH temp\_data AS (

  SELECT time, measure\_value::double AS temp\_value

  FROM "SolarTrackingDB"."SensorDataTable"

  WHERE measure\_name = 'Temp'

),

ldr\_data AS (

  SELECT time, measure\_value::double AS ldr1\_value

  FROM "SolarTrackingDB"."SensorDataTable"

  WHERE measure\_name = 'LDR1'

)

SELECT

  ldr\_data.time,

  ldr1\_value,

  temp\_value

FROM ldr\_data

JOIN temp\_data ON ldr\_data.time = temp\_data.time

ORDER BY ldr\_data.time ASC