Définition du schéma en SQL

```
CREATE TABLE weather (
CREATE TABLE airlines (
                                              origin text NOT NULL,
   carrier text NOT NULL,
                                              "year" int4 NULL,
    "name" text NULL,
                                              "month" int4 NULL,
    CONSTRAINT airlines_pk
                                              "day" int4 NULL,
       PRIMARY KEY (carrier),
                                              "hour" int4 NULL,
    CONSTRAINT airlines_un
                                              "temp" float8 NULL,
       UNIQUE (name)
                                              dewp float8 NULL,
);
                                              humid float8 NULL,
                                              wind dir float8 NULL,
CREATE TABLE airports (
                                              wind_speed float8 NULL,
    faa text NOT NULL,
                                              wind_gust float8 NULL,
    "name" text NULL,
                                              precip float8 NULL,
   lat float8 NULL,
                                              pressure float8 NULL,
   lon float8 NULL,
                                              visib float8 NULL,
   alt float8 NULL,
                                              time_hour timestamptz NOT NULL,
   tz float8 NULL,
                                              CONSTRAINT weather_pk
    dst text NULL,
                                                  PRIMARY KEY (origin, time_hour)
    tzone text NULL,
                                          );
    CONSTRAINT airports_pk
       PRIMARY KEY (faa),
                                         ALTER TABLE weather ADD
    CONSTRAINT airports_un
                                              CONSTRAINT weather_fk
       UNIQUE (name),
                                              FOREIGN KEY (origin)
    CONSTRAINT airports_un_ll
                                              REFERENCES airports(faa)
       UNIQUE (lat, lon)
                                              ON DELETE CASCADE
);
                                              ON UPDATE CASCADE;
CREATE TABLE planes (
   tailnum text NOT NULL,
    "year" int4 NULL,
    "type" text NULL,
    manufacturer text NULL,
    model text NULL,
    engines int4 NULL,
    seats int4 NULL,
    speed int4 NULL,
    engine text NULL,
    CONSTRAINT planes_pk PRIMARY KEY (tailnum)
);
```

```
ALTER TABLE flights ADD
CREATE TABLE flights (
                                             CONSTRAINT flights fk
    "year" int4 NULL,
                                             FOREIGN KEY (carrier)
    "month" int4 NULL,
                                              REFERENCES airlines(carrier)
    "day" int4 NULL,
                                              ON DELETE SET NULL
    dep_time int4 NULL,
                                             ON UPDATE CASCADE;
    sched_dep_time int4 NULL,
                                         ALTER TABLE flights ADD
    dep_delay float8 NULL,
                                              CONSTRAINT flights_fk_dest
    arr_time int4 NULL,
                                              FOREIGN KEY (dest)
    sched_arr_time int4 NULL,
                                              REFERENCES airports(faa)
    arr_delay float8 NULL,
                                              ON DELETE SET NULL
    carrier text NULL,
                                              ON UPDATE CASCADE;
    flight int4 NULL,
    tailnum text NOT NULL,
                                        ALTER TABLE flights ADD
    origin text NOT NULL,
                                              CONSTRAINT flights_fk_origin
    dest text NULL,
                                              FOREIGN KEY (origin)
    air_time float8 NULL,
                                              REFERENCES airports(faa)
    distance float8 NULL,
                                              ON DELETE SET NULL
    "hour" float8 NULL,
                                             ON UPDATE CASCADE;
    "minute" float8 NULL,
    time hour timestamptz NOT NULL,
                                         ALTER TABLE flights ADD
                                              CONSTRAINT flights_fk_planes
    CONSTRAINT flights_pk
                                              FOREIGN KEY (tailnum)
       PRIMARY KEY (
                                              REFERENCES planes(tailnum)
           tailnum, origin, time_hour)
                                              ON DELETE SET NULL
);
                                             ON UPDATE CASCADE;
```