Projects Table

This table holds the data for the projects that each file or filegroup belongs to. The related authors table refers to this one.

The proprietary_expiration, last_addition, and proprietary_duration fields in this table are related: given any 2, you can easily calculate the third as:

```
proprietary_expiration = last_addition + proprietary_duration
```

It was decided that all three should be included, regardless of the potential for conflicting data.

Description:

```
        Column          |            Type             | Collation | Nullable | Default
------------------------+-----------------------------+-----------+----------+---------
 project_code           | character varying           |           | not null |
 legacy_id              | character varying           |           |          |
 total_observation_time | double precision            |           |          |
 opt_project_id         | integer                     |           |          |
 title                  | character varying           |           |          |
 abstract               | text                        |           |          |
 proprietary_expiration | timestamp without time zone |           |          |
 last_addition          | date                        |           |          |
 starttime              | double precision            |           |          |
 endtime                | double precision            |           |          |
 proprietary_duration   | double precision            |           |          |
Indexes:
    "projects_project_code_pkey" PRIMARY KEY, btree (project_code)

Referenced by:
    TABLE "image_products" CONSTRAINT "image_products_project_code_fkey" FOREIGN KEY (project_code) REFERENCES
projects(project_code)

    TABLE "authors" CONSTRAINT "projects_authors_fk" FOREIGN KEY (project_code) REFERENCES projects(project_code)
ON UPDATE CASCADE ON DELETE CASCADE

    TABLE "execution_blocks" CONSTRAINT "projects_execution_blocks_fk" FOREIGN KEY (project_code) REFERENCES
projects(project_code) ON UPDATE CASCADE ON DELETE CASCADE

    TABLE "filegroups" CONSTRAINT "projects_filegroups_fk" FOREIGN KEY (project_code) REFERENCES projects
(project_code) ON UPDATE CASCADE ON DELETE CASCADE
```

Columns:

project_code: the unique id for a project. Primarily taken from the Proposal Submission Tool, these codes are usually of the format 14A-336 for the VLA and BM0187 for the VLBA, though exceptions exist.

legacy_id: an alternate project code, used by some older pieces of NRAO software. This does not always exist.

total_observation_time: the total amount of time that the project has observed, in hours. this is calculated from the science data of the files attached to the project.

opt_project_id: the id of the project in the Observation Preparation Tool, if such and id exists and can be found.

title: the title attached to the project when it was submitted.

abstract: the abstract attached to the project when it was submitted.

proprietary_expiration: the date and time that the data attached to this project becomes publicly accessible. This is usually 6 months after the last observation.

last_addition: the date that data was last added to this project.

starttime: the start time of the earliest observation attached to this project.

endtime: the end time of the latest observation attached to this project.

proprietary_duration: the length of time that data attached to this project will remain proprietary after the last observation.