

Table Catalogue	Table Schema	Table Name	Table Type	Is insertable into	Data Definition Language
aarsc-2022-compsciprac	aarsc_data	MonthlySatelliteDataSummary	BASE TABLE	YES	See script below
aarsc-2022-compsciprac	aarsc_data	SatelliteDataDB	BASE TABLE	YES	See script below
aarsc-2022-compsciprac	aarsc_import_data	Daily_Import2	BASE TABLE	YES	See script below
aarsc-2022-compsciprac	aarsc_import_data	Daily_Import_Sorted	BASE TABLE	YES	See script below

SQL Create Table Statements

MonthlySatelliteDataSummary

```
CREATE TABLE `aarsc-2022-  
compsciprac.aarsc_data.MonthlySatelliteDataSummary`  
(  
  
    farm STRING,  
  
    paddock STRING,  
  
    date DATE,  
  
    lat_long STRING,  
  
    QA60_avg FLOAT64,  
  
    QA60_min FLOAT64,  
  
    QA60_max FLOAT64,  
  
    QA60_std_dev FLOAT64,  
  
    QA60_lower95pc FLOAT64,  
  
    QA60_upper95pc FLOAT64,  
  
    b_avg FLOAT64,  
  
    b_min FLOAT64,  
  
    b_max FLOAT64,  
  
    b_std_dev FLOAT64,  
  
    b_lower95pc FLOAT64,  
  
    b_upper95pc FLOAT64,  
  
    cig_avg FLOAT64,  
  
    cig_min FLOAT64,  
  
    cig_max FLOAT64,  
  
    cig_std_dev FLOAT64,  
  
    cig_lower95pc FLOAT64,
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cig_upper95pc FLOAT64,
cire_avg FLOAT64,
cire_min FLOAT64,
cire_max FLOAT64,
cire_std_dev FLOAT64,
cire_lower95pc FLOAT64,
cire_upper95pc FLOAT64,
evi_avg FLOAT64,
evi_min FLOAT64,
evi_max FLOAT64,
evi_std_dev FLOAT64,
evi_lower95pc FLOAT64,
evi_upper95pc FLOAT64,
g_avg FLOAT64,
g_min FLOAT64,
g_max FLOAT64,
g_std_dev FLOAT64,
g_lower95pc FLOAT64,
g_upper95pc FLOAT64,
gndvi_avg FLOAT64,
gndvi_min FLOAT64,
gndvi_max FLOAT64,
gndvi_std_dev FLOAT64,
gndvi_lower95pc FLOAT64,
gndvi_upper95pc FLOAT64,

grvi_avg FLOAT64,
grvi_min FLOAT64,
grvi_max FLOAT64,
grvi_std_dev FLOAT64,
grvi_lower95pc FLOAT64,
grvi_upper95pc FLOAT64,
lsvi_avg FLOAT64,
lsvi_min FLOAT64,
lsvi_max FLOAT64,
lsvi_std_dev FLOAT64,
lsvi_lower95pc FLOAT64,
lsvi_upper95pc FLOAT64,
mndwi_avg FLOAT64,
mndwi_min FLOAT64,
mndwi_max FLOAT64,
mndwi_std_dev FLOAT64,
mndwi_lower95pc FLOAT64,
mndwi_upper95pc FLOAT64,
ndvi_avg FLOAT64,
ndvi_min FLOAT64,
ndvi_max FLOAT64,
ndvi_std_dev FLOAT64,
ndvi_lower95pc FLOAT64,
ndvi_upper95pc FLOAT64,
nir_avg FLOAT64,

nir_min FLOAT64,
nir_max FLOAT64,
nir_std_dev FLOAT64,
nir_lower95pc FLOAT64,
nir_upper95pc FLOAT64,
r_avg FLOAT64,
r_min FLOAT64,
r_max FLOAT64,
r_std_dev FLOAT64,
r_lower95pc FLOAT64,
r_upper95pc FLOAT64,
re_avg FLOAT64,
re_min FLOAT64,
re_max FLOAT64,
re_std_dev FLOAT64,
re_lower95pc FLOAT64,
re_upper95pc FLOAT64,
re74_avg FLOAT64,
re74_min FLOAT64,
re74_max FLOAT64,
re74_std_dev FLOAT64,
re74_lower95pc FLOAT64,
re74_upper95pc FLOAT64,
re78_avg FLOAT64,
re78_min FLOAT64,

re78_max FLOAT64,
re78_std_dev FLOAT64,
re78_lower95pc FLOAT64,
re78_upper95pc FLOAT64,
re86_avg FLOAT64,
re86_min FLOAT64,
re86_max FLOAT64,
re86_std_dev FLOAT64,
re86_lower95pc FLOAT64,
re86_upper95pc FLOAT64,
swir1_avg FLOAT64,
swir1_min FLOAT64,
swir1_max FLOAT64,
swir1_std_dev FLOAT64,
swir1_lower95pc FLOAT64,
swir1_upper95pc FLOAT64,
swir2_avg FLOAT64,
swir2_min FLOAT64,
swir2_max FLOAT64,
swir2_std_dev FLOAT64,
swir2_lower95pc FLOAT64,
swir2_upper95pc FLOAT64,
unmasked_avg FLOAT64,
unmasked_min FLOAT64,
unmasked_max FLOAT64,

```
unmasked_std_dev FLOAT64,  
unmasked_lower95pc FLOAT64,  
unmasked_upper95pc FLOAT64,  
geojson_filename STRING  
);
```

SatelliteDataDB

```
CREATE TABLE `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB`  
(  
  farm STRING,  
  paddock STRING,  
  date DATE,  
  lat_long STRING,  
  QA60 FLOAT64 OPTIONS(description="Cloud cover information"),  
  b FLOAT64 OPTIONS(description="Blue"),  
  cig FLOAT64,  
  cire FLOAT64,  
  evi FLOAT64,  
  g FLOAT64 OPTIONS(description="Green"),  
  gndvi FLOAT64,  
  grvi FLOAT64,  
  lsvi FLOAT64,  
  mndwi FLOAT64,  
  ndvi FLOAT64,  
  nir FLOAT64 OPTIONS(description="Near infrared"),  
  r FLOAT64 OPTIONS(description="Red"),
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re FLOAT64 OPTIONS(description="Visible and near infrared"),

re74 FLOAT64,

re78 FLOAT64,

re86 FLOAT64,

swir1 FLOAT64 OPTIONS(description="Short wave infrared"),

swir2 FLOAT64,

unmasked FLOAT64,

geojson_filename STRING

);

```

Daily_Import2

```

CREATE TABLE `aarsc-2022-compssciprac.aarsc_import_data.Daily_Import2`
(
  system_index STRING,
  QA60 FLOAT64,
  area_gee FLOAT64,
  b FLOAT64,
  cig FLOAT64,
  cire FLOAT64,
  date DATE,
  evi FLOAT64,
  farm STRING,
  g FLOAT64,
  geojson_filename STRING,
  gndvi FLOAT64,
  grvi FLOAT64,
  lswi FLOAT64,
  mndwi FLOAT64,
  ndvi FLOAT64,
  nir FLOAT64,
  paddock STRING,
  r FLOAT64,
  re FLOAT64,
  re74 FLOAT64,
  re78 FLOAT64,
  re86 FLOAT64,
  swir1 FLOAT64,
  swir2 FLOAT64,
  unmasked FLOAT64,

```



```
_geo STRING  
);
```

Daily_Import_Sorted

```
CREATE TABLE `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import_Sorted`  
(  
  system_index STRING,  
  QA60 FLOAT64,  
  area_gee FLOAT64,  
  b FLOAT64,  
  cig FLOAT64,  
  cire FLOAT64,  
  date DATE,  
  evi FLOAT64,  
  farm STRING,  
  g FLOAT64,  
  geojson_filename STRING,  
  gndvi FLOAT64,  
  grvi FLOAT64,  
  lswi FLOAT64,  
  mndwi FLOAT64,  
  ndvi FLOAT64,  
  nir FLOAT64,  
  paddock STRING,  
  r FLOAT64,  
  re FLOAT64,  
  re74 FLOAT64,  
  re78 FLOAT64,  
  re86 FLOAT64,  
  swir1 FLOAT64,  
  swir2 FLOAT64,  
  unmasked FLOAT64,  
  _geo STRING,  
  row_no INT64  
);
```