

```

# Add records from the Daily_Import file to Daily_Import_sorted
# Query selects unique records only and takes the record with the highest NDVI record for the given
# farm, paddock and date
insert into `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import_Sorted`
select *
from
(select *, row_number() over (partition by farm, paddock, date, geojson_filename order by ndvi desc) as N
from
`aarsc-2022-compsciprac.aarsc_import_data.Daily_Import2`)
where N = 1;

```

```

# Code to update the SatelliteDataDB table if a record in the Daily_Import_Sorted table
# has a higher NDVI than an existing record in the table with the same farm, paddock and date values

```

```

update `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB` T1
set
T1.QA60 = T2.QA60
, T1.b = T2.b
, T1.cig= T2.cig
, T1.cire=T2.cire
, T1.evi= T2.evi
, T1.g= T2.g
, T1.gndvi= T2.gndvi
, T1.grvi=T2.grvi
, T1.lsvi= T2.lswi
, T1.mndwi = T2.mndwi
, T1.ndvi= T2.ndvi
, T1.nir = T2.nir
, T1.r= T2.r
, T1.re = T2.re
, T1.re74= T2.re74
, T1.re78= T2.re78
, T1.re86 = T2.re86
, T1.swir1= T2.swir1
, T1.swir2 = T2.swir2
, T1.unmasked = T2.unmasked
, T1.geojson_filename = T2.geojson_filename
from `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import_Sorted` T2
join `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB` T3 on T2.farm = T3.farm
and T2.paddock = T3.paddock
and T2.date = T3.date
and T2.ndvi > T3.ndvi
where T1.farm = T2.farm and T1.paddock = T2.paddock and T1.date = T2.date and T1.geojson_filename = T2.geojson_filename;

```

```

# Code to insert new records into the SatelliteDataDB table from the Daily_Import_sorted table
# that have a unique farm, paddock and date reference.

```

```

insert into `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB`
(select farm, paddock, date
, concat(right(substr(_geo, strpos(_geo, '[')+1, strpos(_geo, ']')-strpos(_geo, '[')-1),length(substr(_geo, strpos(_geo, '[')+1, strpos(_geo, ']')-strpos(_geo, '[')-1))-strpos(substr(_geo, strpos(_geo, '[')+1, strpos(_geo, ']')-strpos(_geo, '[')-1),','),',',
left(substr(_geo, strpos(_geo, '[')+1, strpos(_geo, ']')-strpos(_geo, '[')-1),strpos(substr(_geo, strpos(_geo, '[')+1, strpos(_geo, ']')-strpos(_geo, '[')-1),','))-1))

```

```

,QA60, b, cig, cire, evi, g, gndvi, grvi
,lswi, mndwi, ndvi, nir, r, re, re74, re78, re86, swir1, swir2, unmasked, geojson_filename
from `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import_Sorted` T1
where not exists
# check to see if values for farm, paddock and date already exist in SatelliteDataDB
(select farm, paddock, date
 from `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB` T2
 where T1.farm = T2.farm and T1.paddock = T2.paddock and T1.date = T2.date and T1.geojson_f
ilename = T2.geojson_filename));

# Clear tables so they are ready for next daily import
delete from `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import2`
where 1=1;

delete from `aarsc-2022-compsciprac.aarsc_import_data.Daily_Import_Sorted`
where 1=1;

```