```
# Run end of month processing.  Allow three days after the end of the month to ensure that
all data is
# available to be included in the summary table.


delete from `aarsc-2022-compsciprac.aarsc_data.MonthlySatelliteDataSummary`
where 1 = 1;

insert into `aarsc-2022-compsciprac.aarsc_data.MonthlySatelliteDataSummary`
(select farm, paddock
,date_trunc(date, month) as month_start
,lat_long
, avg(QA60), min(QA60), max(QA60), stddev_samp(QA60),avg(QA60)-
2*stddev_samp(QA60),avg(QA60)+2*stddev_samp(QA60)
, avg(b), min(b), max(b), stddev_samp(b), avg(b)-2*stddev_samp(b),avg(b)+2*stddev_samp(b)
, avg(cig), min(cig), max(cig), stddev_samp(cig),avg(cig)-
2*stddev_samp(cig),avg(cig)+2*stddev_samp(cig)
, avg(cire), min(cire), max(cire), stddev_samp(cire),avg(cire)-
2*stddev_samp(cire),avg(cire)+2*stddev_samp(cire)
, avg(evi), min(evi), max(evi), stddev_samp(evi),avg(evi)-
2*stddev_samp(evi),avg(evi)+2*stddev_samp(evi)
, avg(g), min(g), max(g), stddev_samp(g),avg(g)-2*stddev_samp(g),avg(g)+2*stddev_samp(g)
, avg(gndvi), min(gndvi), max(gndvi), stddev_samp(gndvi),avg(gndvi)-
2*stddev_samp(gndvi),avg(gndvi)+2*stddev_samp(gndvi)
, avg(grvi), min(grvi), max(grvi), stddev_samp(grvi),avg(grvi)-
2*stddev_samp(grvi),avg(grvi)+2*stddev_samp(grvi)
, avg(lsvi), min(lsvi), max(lsvi), stddev_samp(lsvi),avg(lsvi)-
2*stddev_samp(lsvi),avg(lsvi)+2*stddev_samp(lsvi)
, avg(mndwi), min(mndwi), max(mndwi), stddev_samp(mndwi),avg(mndwi)-
2*stddev_samp(mndwi),avg(mndwi)+2*stddev_samp(mndwi)
, avg(ndvi), min(ndvi), max(ndvi), stddev_samp(ndvi),avg(ndvi)-
2*stddev_samp(ndvi),avg(ndvi)+2*stddev_samp(ndvi)
, avg(nir), min(nir), max(nir), stddev_samp(nir),avg(nir)-
2*stddev_samp(nir),avg(nir)+2*stddev_samp(nir)
, avg(r), min(r), max(r), stddev_samp(r),avg(r)-2*stddev_samp(r),avg(r)+2*stddev_samp(r)
, avg(re), min(re), max(re), stddev_samp(re),avg(re)-
2*stddev_samp(re),avg(re)+2*stddev_samp(re)
, avg(re74), min(re74), max(re74), stddev_samp(re74),avg(re74)-
2*stddev_samp(re74),avg(re74)+2*stddev_samp(re74)
, avg(re78), min(re78), max(re78), stddev_samp(re78),avg(re78)-
2*stddev_samp(re78),avg(re78)+2*stddev_samp(re78)
, avg(re86), min(re86), max(re86), stddev_samp(re86),avg(re86)-
2*stddev_samp(re86),avg(re86)+2*stddev_samp(re86)
, avg(swir1), min(swir1), max(swir1), stddev_samp(swir1),avg(swir1)-
2*stddev_samp(swir1),avg(swir1)+2*stddev_samp(swir1)
, avg(swir2), min(swir2), max(swir2), stddev_samp(swir2),avg(swir2)-
2*stddev_samp(swir2),avg(swir2)+2*stddev_samp(swir2)
, avg(unmasked), min(unmasked), max(unmasked), stddev_samp(unmasked),avg(unmasked)-
2*stddev_samp(unmasked),avg(unmasked)+2*stddev_samp(unmasked)
, geojson_filename
 from `aarsc-2022-compsciprac.aarsc_data.SatelliteDataDB`
group by farm, paddock, date_trunc(date,month),lat_long, geojson_filename)
```