```sql
with
    iirl as (
        select sum(read_length) read_length, ii_seq_id seq_id
        from read_illumina
        group by ii_seq_id
    ),
    iib as (
        select
        ii.*,
        (iirl.read_length * ii.filt_clusters) as bases
        from index_illumina ii
        join iirl on iirl.seq_id = ii.seq_id
    ),
    iid as (
        select ii.seq_id, bi.date_completed
        from index_illumina ii
        join basecall_illumina bi
        on ii.flow_cell_id = bi.flow_cell_id
        and ii.lane = bi.lane
        and (ii.index_sequence = bi.index_sequence or
            (ii.index_sequence is null and bi.index_sequence is null))
        and bi.date_completed is not null
    ),
    iim as (
        select iid.seq_id, to_char(iid.date_completed, 'YYYY-MM') month from iid
    ),
    iia as (
        select
            ii.seq_id,
            (case
                when disk_archive_id is null then 0
                when disk_archive_id is not null then 1 end)
            as has_archive_id
        from index_illumina ii
    )
select
    transfer_type_name,
    count(*) ii_count,
    month,
    (sum(bases) / 1000000000) as gigabases,
    internal_status,
    external_status,
    has_archive_id,
    status
from
    iim
    join iib using (seq_id)
    join iia using (seq_id)
    join data_transfer_sequence_product@oltp dtsp using (seq_id)
    join data_transfer@oltp dt using (data_transfer_id)
    join data_transfer_type@oltp dtt using (data_transfer_type_id)
group by
    transfer_type_name,
    month,
    internal_status,
    external_status,
    has_archive_id,
    status
order by
    transfer_type_name,
    month,
    ii_count,
```