

## Re: How do I calculate times over multiple records?

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*Source:*

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  - *Date:* Wed, 11 Oct 2006 15:46:26 -0400
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UNTESTED SQL follows.

```
SELECT [Order Number]
, DateDiff("n", [Status Date],
SUM((SELECT Min([Status Date]
FROM YourTable as T
WHERE T.[Order Number] = YourTable.[Order Number]
AND T.[Status Date] > YourTable.[Status Date]
AND T.Status = "In Process")))) as TotalMinutes
FROM YourTable
WHERE Status = "On Hold"
GROUP BY [Order Number]
```

Divide by 60 to get hours and fractions of hours.

Excluding Weekends and Holidays is more complex. At a minimum, you need a Holidays table.

"Jim Moberg" <[JimMoberg@xxxxxxxxxxxxxxxxxxxxxxxxxxxx](mailto:JimMoberg@xxxxxxxxxxxxxxxxxxxxxxxxxxxx)> wrote in message [news:CE6F280B-4DFF-4E71-B44D-C648C1A7C171@xxxxxxxxxxxxxxxxxxxx](mailto:news:CE6F280B-4DFF-4E71-B44D-C648C1A7C171@xxxxxxxxxxxxxxxxxxxx)

Hi,

I'm trying to write a query that will calculate two different things: 1) Amount of time an order is on hold. 2) Amount of time an order was in process during weekends and holidays.

The first one is tricky because order statuses are stored in a separate log

table. Our data is stored something like this:

record number	order number	Status	Status Date
1	abc123	In Process	2/2/2006 10:30 AM
2	abc123	On Hold	2/4/2006 10:30 AM
3	abc123	In Process	2/6/2006 9:30 AM
4	abc123	On Hold	2/7/2006 9:30 AM
5	abc123	In Process	2/8/2006 9:30 AM

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So the total hold time would be 71 hours. How does one accomplish calculating this in Access?

Then How does one calculate any time in process that may have been over a holiday or weekend?