
Subject: Re: Fill Missing values with NaN

Posted by [Matthew Argall](#) on Fri, 11 Aug 2017 12:31:53 GMT

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The example below works well with integer times. For floats, you should define "alltimes" as the beginning of the sampling interval and "times" as the center of the sampling interval. This is in-part because of how Value_Locate works and in-part because of the discreteness of floating point values.

```
;Time Arrays
```

```
time    = [1, 4, 7, 8]
```

```
alltimes = IndGen(10)
```

```
;Data Arrays
```

```
dens    = [80, 60, 30, 50]
```

```
densnew = Replicate( !Values.D_NaN, N_Elements(alltimes) )
```

```
;Locate "time" within "alltimes"
```

```
iTime   = Value_Locate(alltimes, time)
```

```
;Fill the new density array
```

```
densnew[iTime] = dens
```

```
;Result
```

```
print, densnew, FORMAT='(10(f5.2, 2x))'
```

```
NaN 80.00  NaN  NaN 60.00  NaN  NaN 30.00 50.00  NaN
```
