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
```