```
1   utilize Madagascar
2   ... revisit SEP tour
```

Madagascar

Operation

Overview

Construction

```
 2   fold::rsf { revisit SEP tour
 3       ... obtaining the test data
 6       ... displaying the data
 9       ... windowing and plotting
20       ... resampling
30       ... velocity analysis and NMO
37       ... advanced plotting
50   }
```

```
3   fold::rsf { obtaining the test data
4      Fetch('Txx.HH','septour')
5   }
```

```
6   fold::rsf { displaying the data
7      Result('wiggle0','Txx.HH','wiggle')
8   }
```

```
 9  fold::rsf { windowing and plotting
10     Flow('windowed','Txx.HH','window n2=10 min1=0.4 max1=0.8')
11
12     plotpar = '''
13     transp=y poly=y yreverse=y pclip=100 nc=100 allpos=n
14     '''
15
16     for plot in ('wiggle','contour','grey'):
17         Result(plot,'windowed',plot + plotpar)
18
19  }
```

```
20  fold::rsf { resampling
21     # decimate time axis by two
22     Flow('subsampled','windowed','window j1=2')
23
24     # sinc interpolation in the Fourier domain
25     Flow('resampled','subsampled',
26          'fft1 | pad n1=102 | fft1 inv=y opt=n | window max1=0.8')
27
28     Result('resampled','wiggle title=Resampled' + plotpar)
29  }
```

```
30  fold::rsf { velocity analysis and NMO
31     Result('nmo','windowed',
32            '''
33            nmostretch v0=2.05 half=n |
34            wiggle pclip=100 max1=0.6 poly=y
35            ''')
36  }
```

```
37  fold::rsf { advanced plotting
38     plotpar = plotpar+' min1=.4 max1=.8 max2=1. min2=.05 poly=n'
39
40     Plot('grey','windowed',
41          'grey wheretitle=t wherexlabel=b' + plotpar)
42     Plot('wiggle1','windowed',
43          'wiggle plotcol=0 plotfat=10' + plotpar)
44     Plot('wiggle2','windowed',
45          'wiggle plotcol=7 plotfat=3' + plotpar)
46
47     Result('overplot','grey wiggle1 wiggle2','Overlay')
48     Result('sidebyside','grey wiggle2','SideBySideIso')
49  }
```