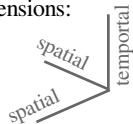
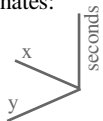


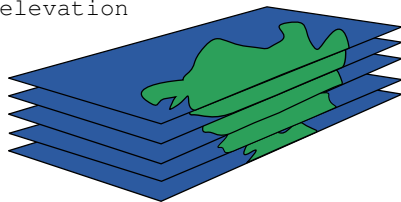
a) *Essential* data dimensions:



Named dimensions and coordinates:

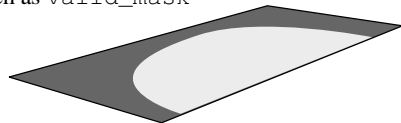


b) Top level *essential* variables in the dataset, such as elevation



```
>>> elevation.dimensions  
(seconds, x, y)  
  
>>> elevation.long_name  
channel_bottom_elevation
```

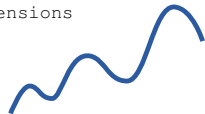
c) Lower level *auxiliary* variables in the dataset, such as `valid_mask`



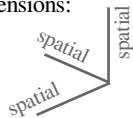
```
>>> valid_mask.dimensions  
(x, y)
```

and `sea_level`

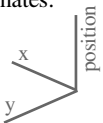
```
>>> sea_level.dimensions  
(seconds)
```



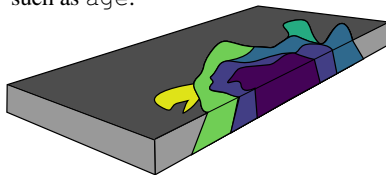
d) *Essential* data dimensions:



Named dimensions and coordinates:



e) Top level *essential* variables in the dataset, such as age:



```
>>> age.dimensions  
(position, x, y)  
  
>>> age.units  
years
```

f) Lower level *auxiliary* variables in the dataset, such as `wireline_log_23`

```
>>> wireline_log_23.dimensions  
(position)  
  
>>> wireline_log_23.xy_location  
[112233, 9988777]
```



g) Dataset metadata, such as

```
>>> .source  
ABC Sedimentology Lab Expt 55z
```