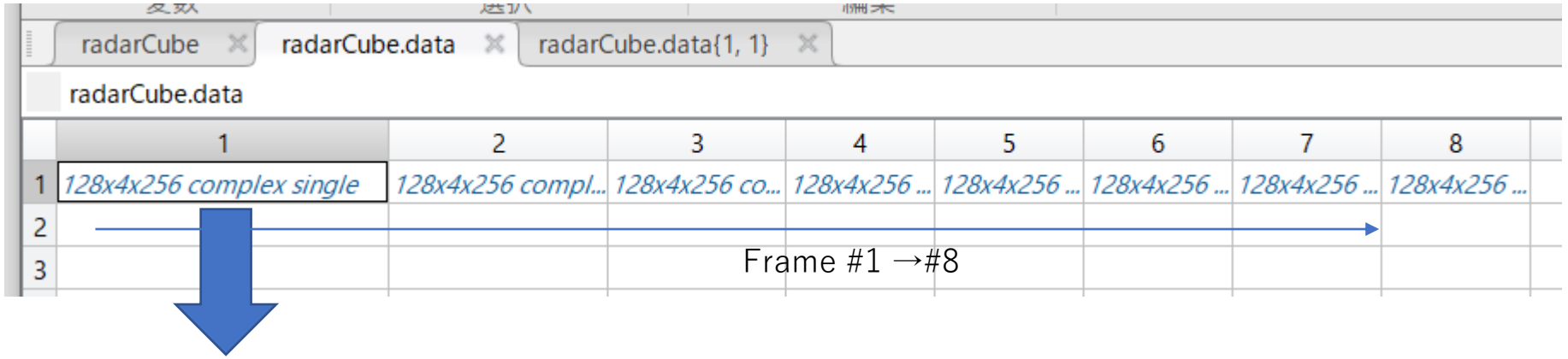
mmWave Studio, “rawDataRadar.m”

8 frame, 128 chirp/frame, 256 samples/chirp

radarCube.data



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radarCube | radarCube.data | radarCube.data{1, 1}

radarCube.data{1, 1}

Sample#1

```
val(:,:,1) =

   1.0e+04 *

  -0.5880 + 0.6435i   0.3380 - 0.5690i  -0.9232 + 1.8439i   1.1647 - 2.6056i
  -0.5913 + 0.6946i   0.3270 - 0.5540i  -0.9126 + 1.8238i   1.1482 - 2.5965i
  -0.6027 + 0.6887i   0.3236 - 0.5790i  -0.9134 + 1.8248i   1.1422 - 2.6258i
  -0.5984 + 0.6938i   0.3431 - 0.5681i  -0.9036 + 1.8411i   1.1610 - 2.6084i
  -0.5909 + 0.6818i   0.3518 - 0.5887i  -0.8873 + 1.8210i   1.1509 - 2.6247i
```

Rx1 Rx2 Rx3 Rx4

128

Chirp#1

Chirp#128

```
  -0.6030 + 0.7108i   0.3777 - 0.5590i  -0.9442 + 1.8552i   1.0923 - 2.5760i
  -0.6006 + 0.7114i   0.3821 - 0.5711i  -0.9554 + 1.8319i   1.1005 - 2.5730i
  -0.5768 + 0.7253i   0.3943 - 0.6021i  -0.9535 + 1.8149i   1.1004 - 2.5622i
```

Sample#2

```
val(:,:,2) =

   1.0e+04 *

   0.9190 - 0.6628i   0.2515 + 1.2640i   0.1529 - 2.1892i   3.8601 + 5.5807i
   0.8961 - 0.6420i   0.2452 + 1.2624i   0.1529 - 2.1894i   3.8464 + 5.5690i
   0.8927 - 0.6542i   0.2446 + 1.2570i   0.1632 - 2.1607i   3.7996 + 5.5672i
```

```
  -1.6331 + 2.4922i   1.2239 - 1.0736i  -0.7659 + 5.1086i   3.3287 - 5.9957i
  -1.6739 + 2.6163i   1.2867 - 1.2795i  -0.8951 + 4.9518i   3.4525 - 6.2437i
```

Sample#256

```
val(:,:,256) =

   1.0e+04 *

  -0.2776 + 0.2750i   0.1706 - 0.2339i  -0.1455 + 0.6828i   0.6398 - 1.0739i
  -0.2828 + 0.2662i   0.1714 - 0.2256i  -0.1442 + 0.6822i   0.6491 - 1.0466i
  -0.2646 + 0.2795i   0.1591 - 0.2108i  -0.1558 + 0.6710i   0.6215 - 1.0548i
```

```
  -0.2824 + 0.2669i   0.1603 - 0.2132i  -0.1511 + 0.6705i   0.6241 - 1.0443i
  -0.2952 + 0.2680i   0.1643 - 0.2300i  -0.1496 + 0.6811i   0.6469 - 1.0330i
  -0.2845 + 0.2903i   0.1554 - 0.2078i  -0.1570 + 0.6661i   0.6428 - 1.0454i
  -0.2856 + 0.2750i   0.1540 - 0.2136i  -0.1692 + 0.6881i   0.6449 - 1.0344i
```