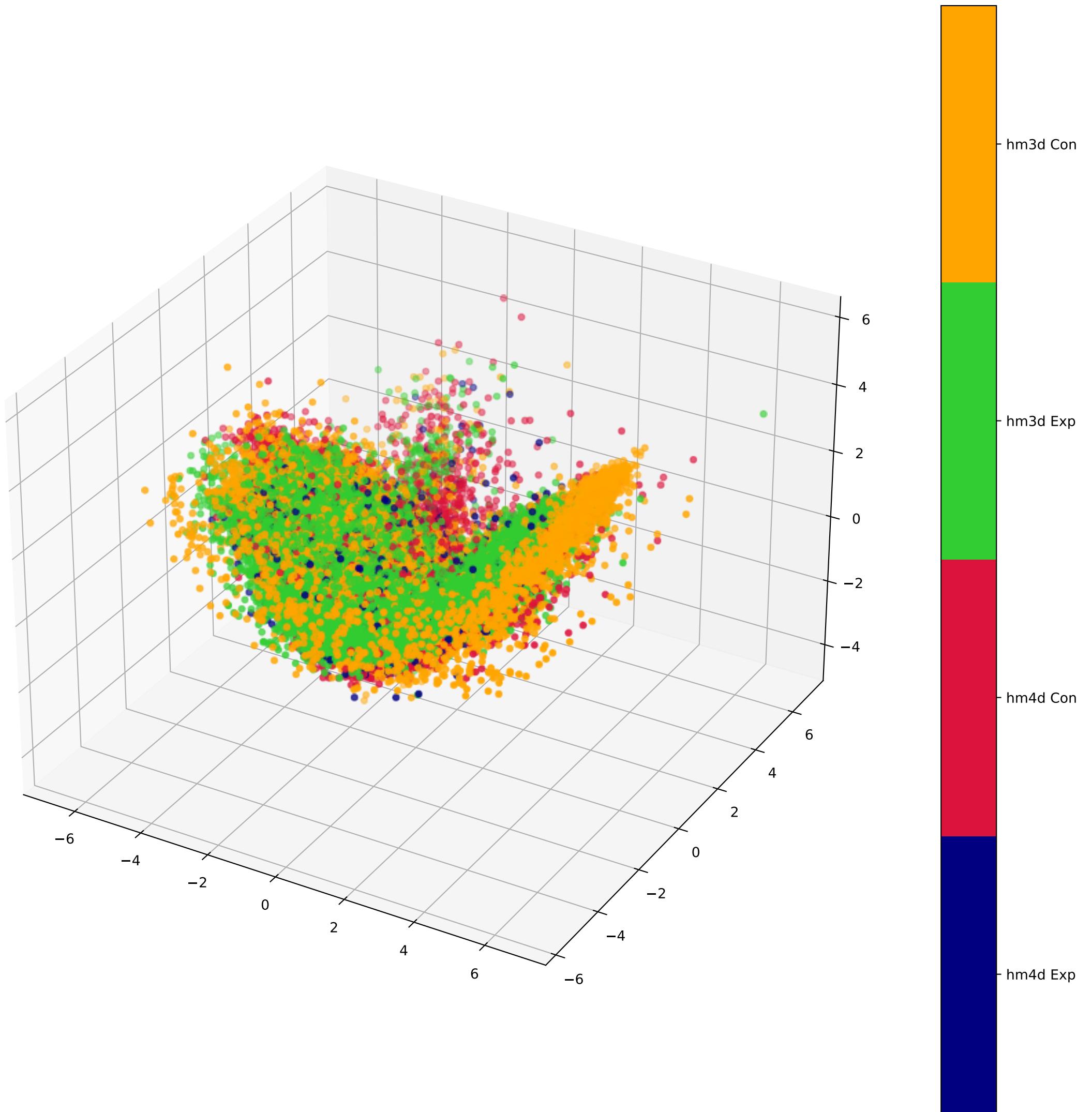
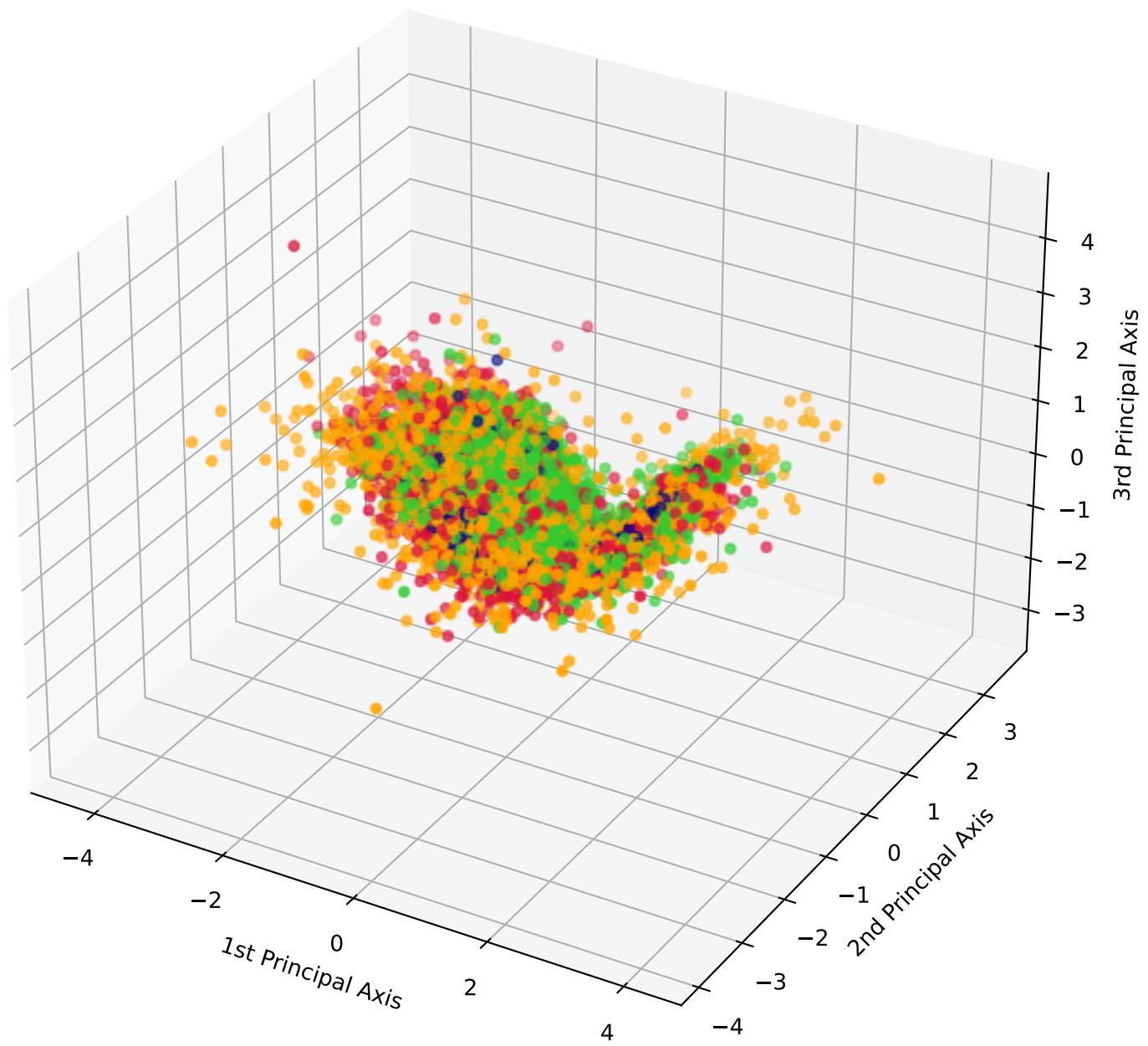


PCA Showing All Data

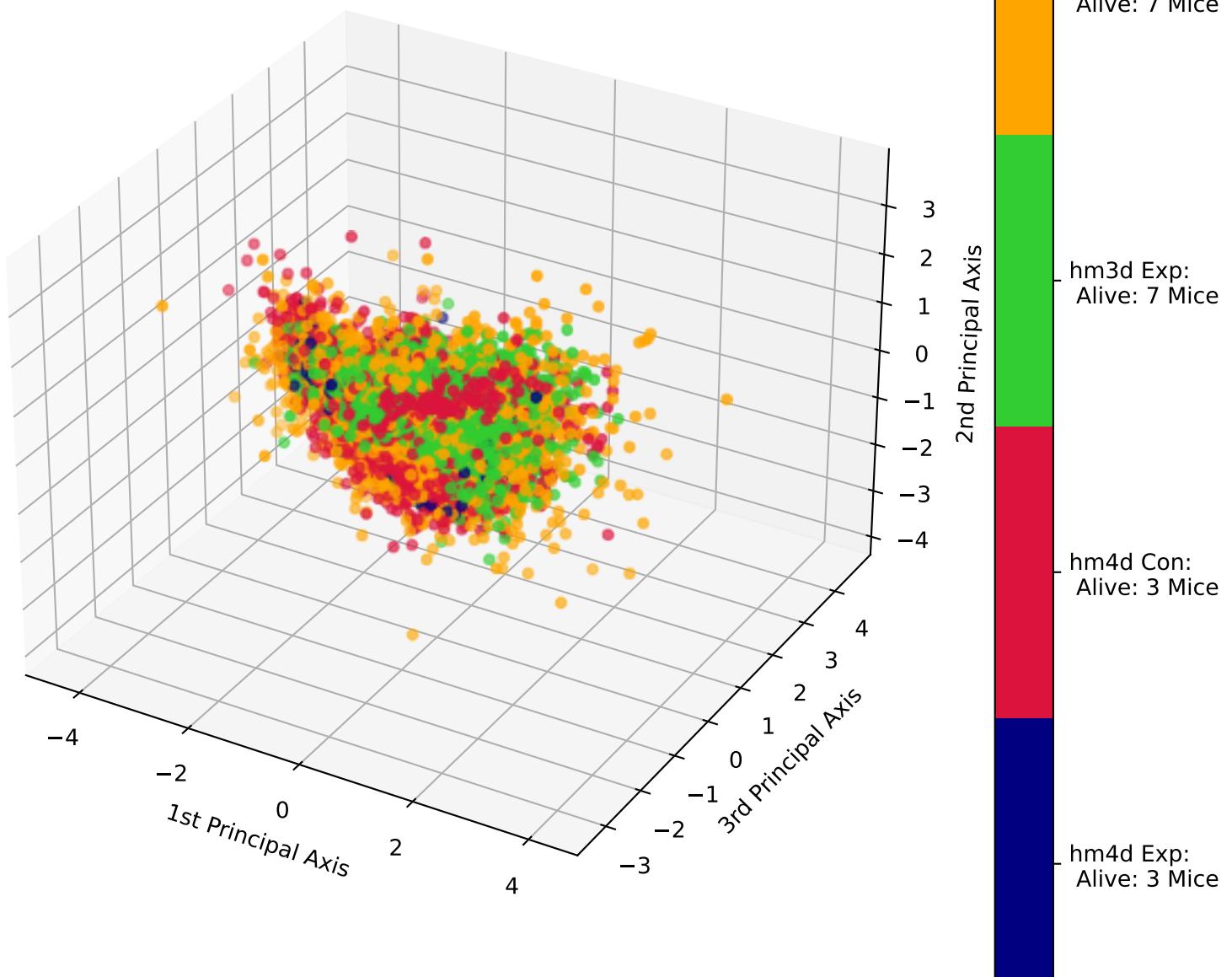


Trial Number: 0, Phase: Cal 20 Room Air

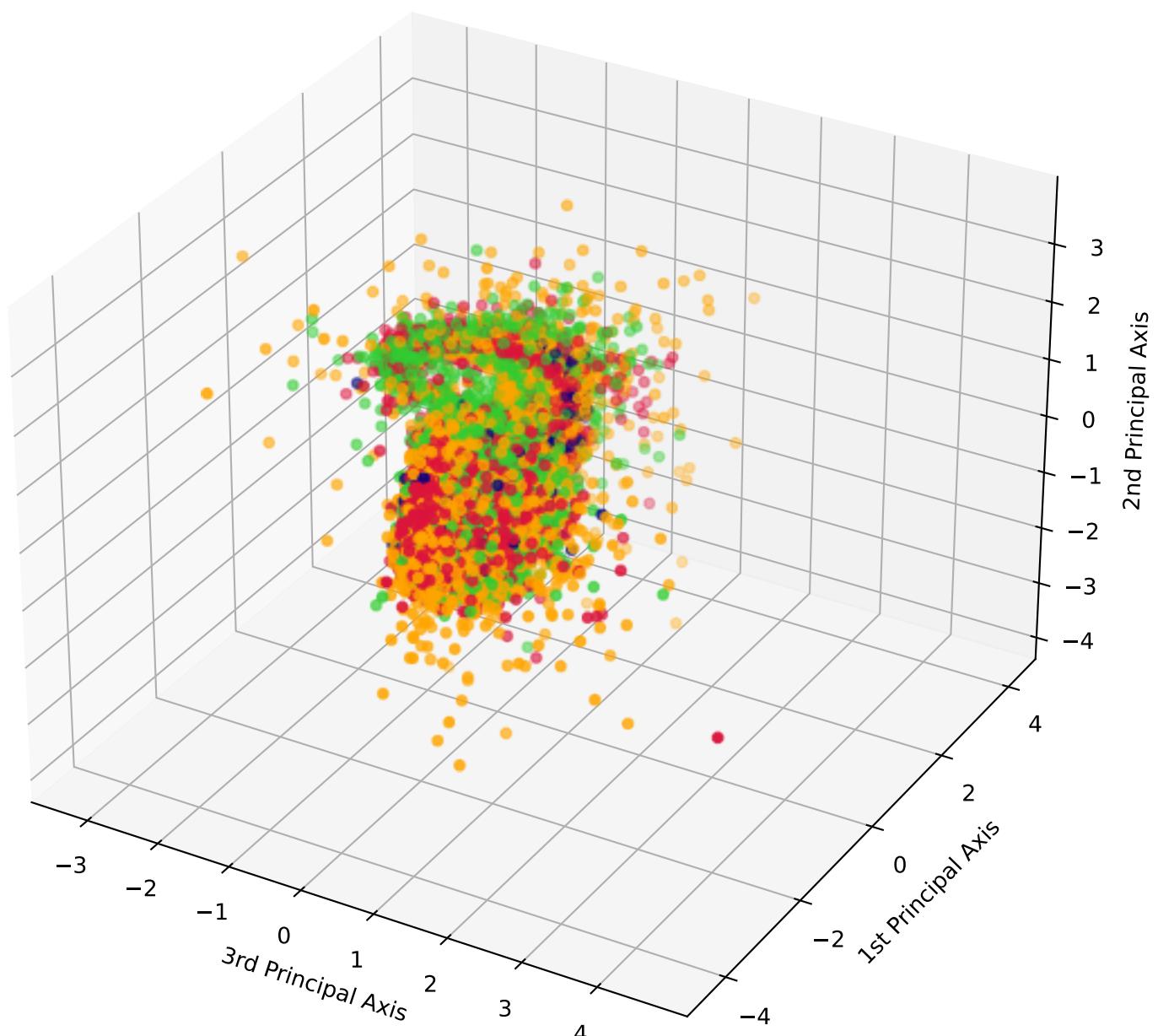
Angle 1



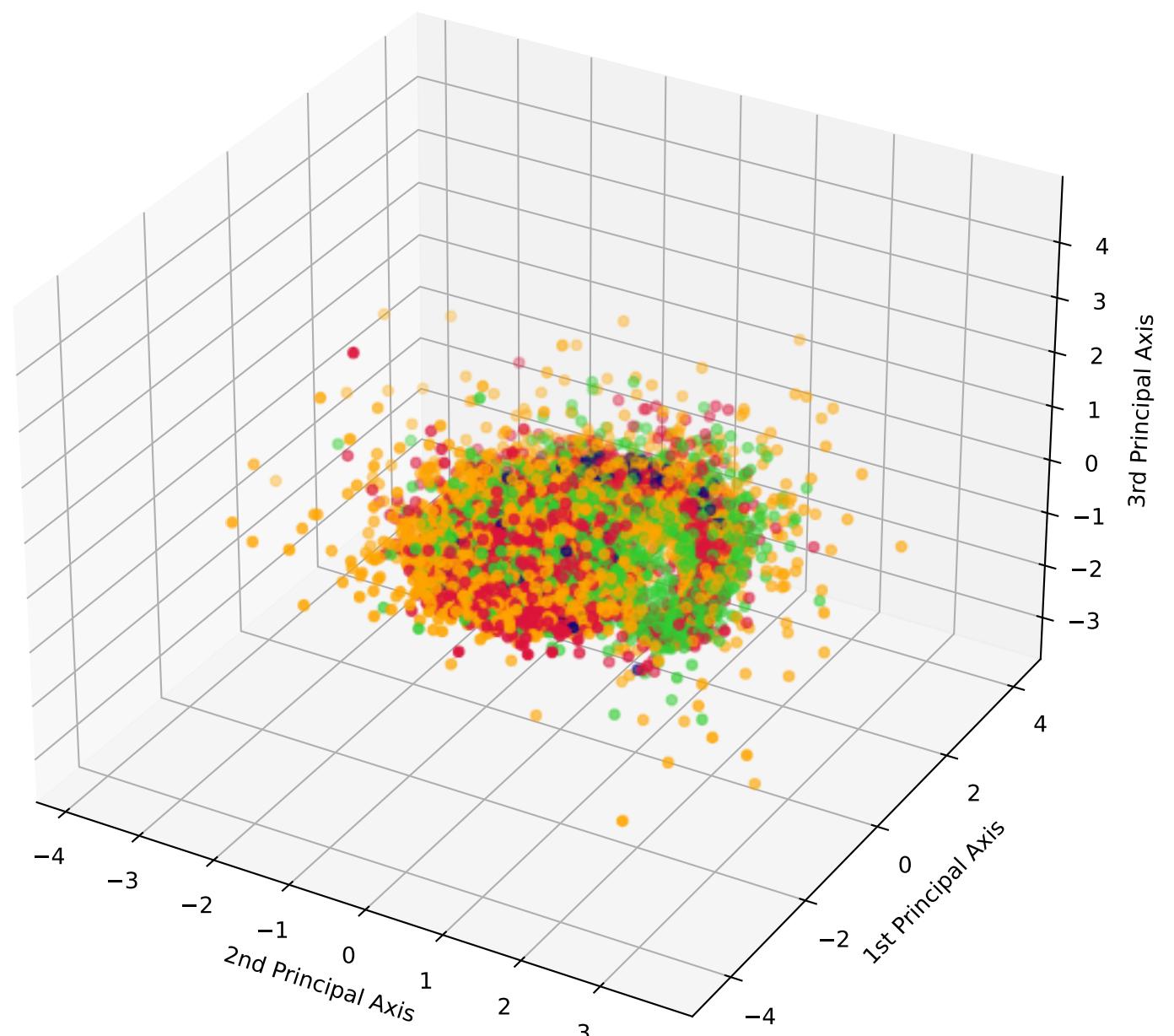
Angle 2



Angle 3

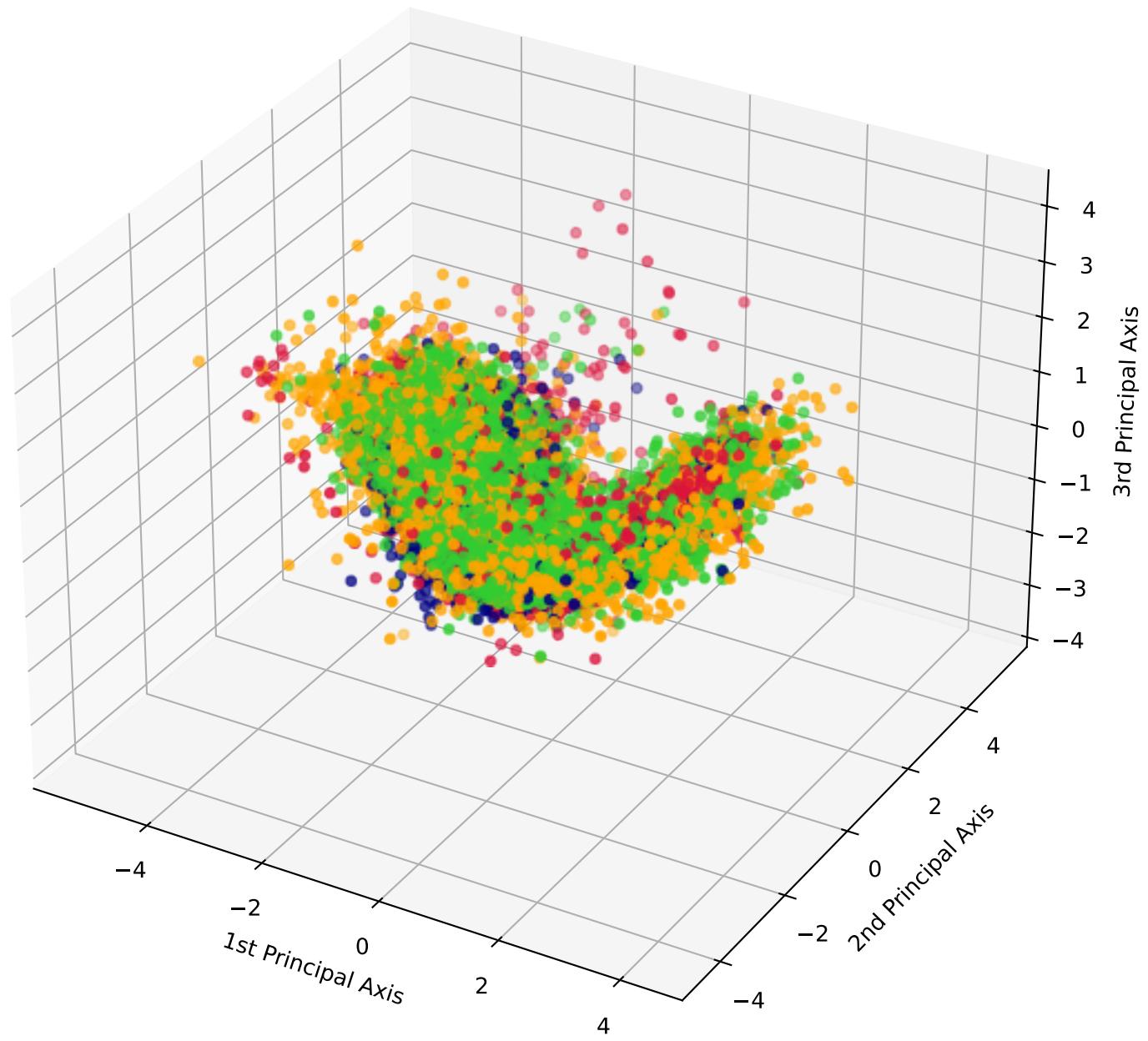


Angle 4

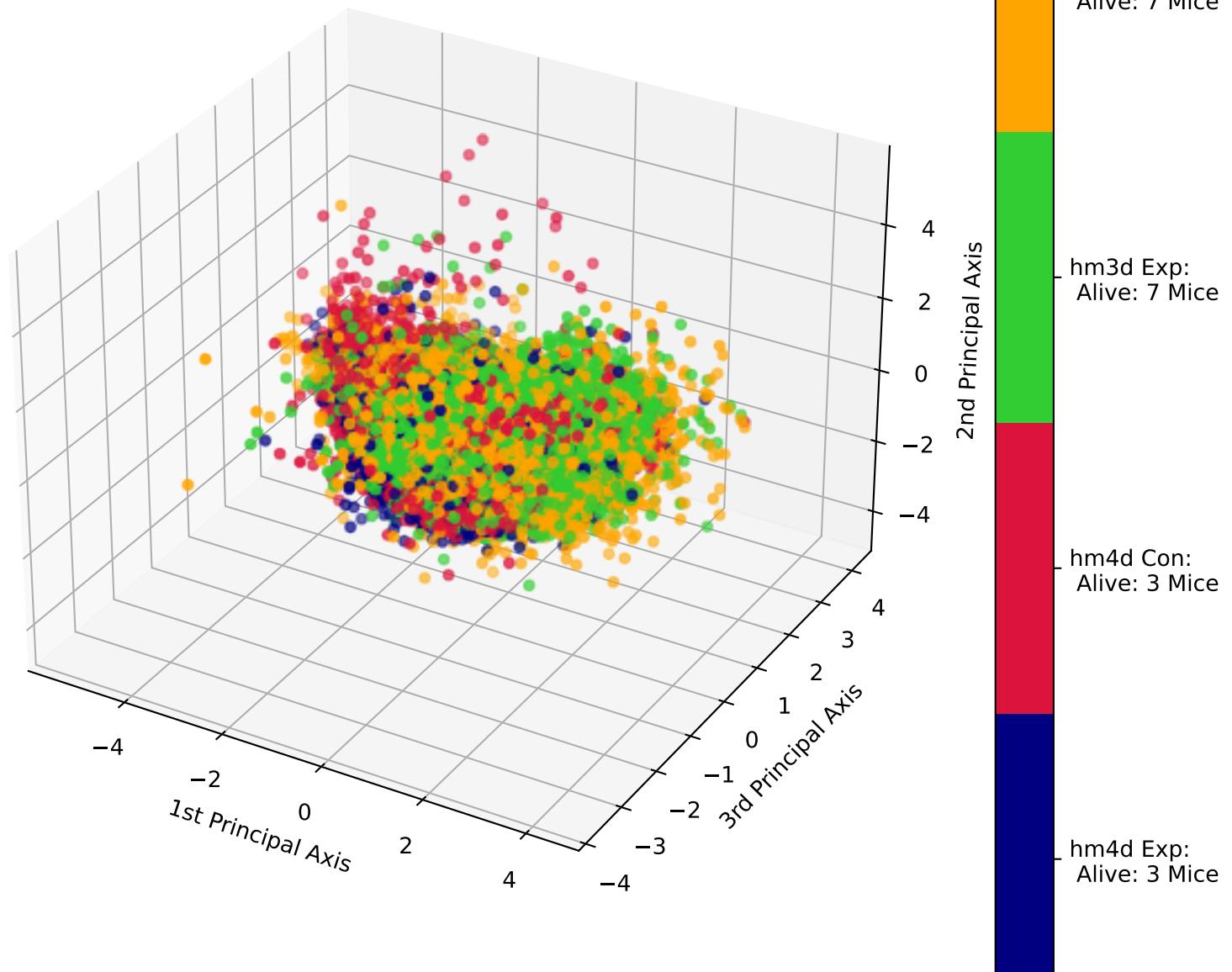


Trial Number: 0, Phase: Pre-CNO Room Air

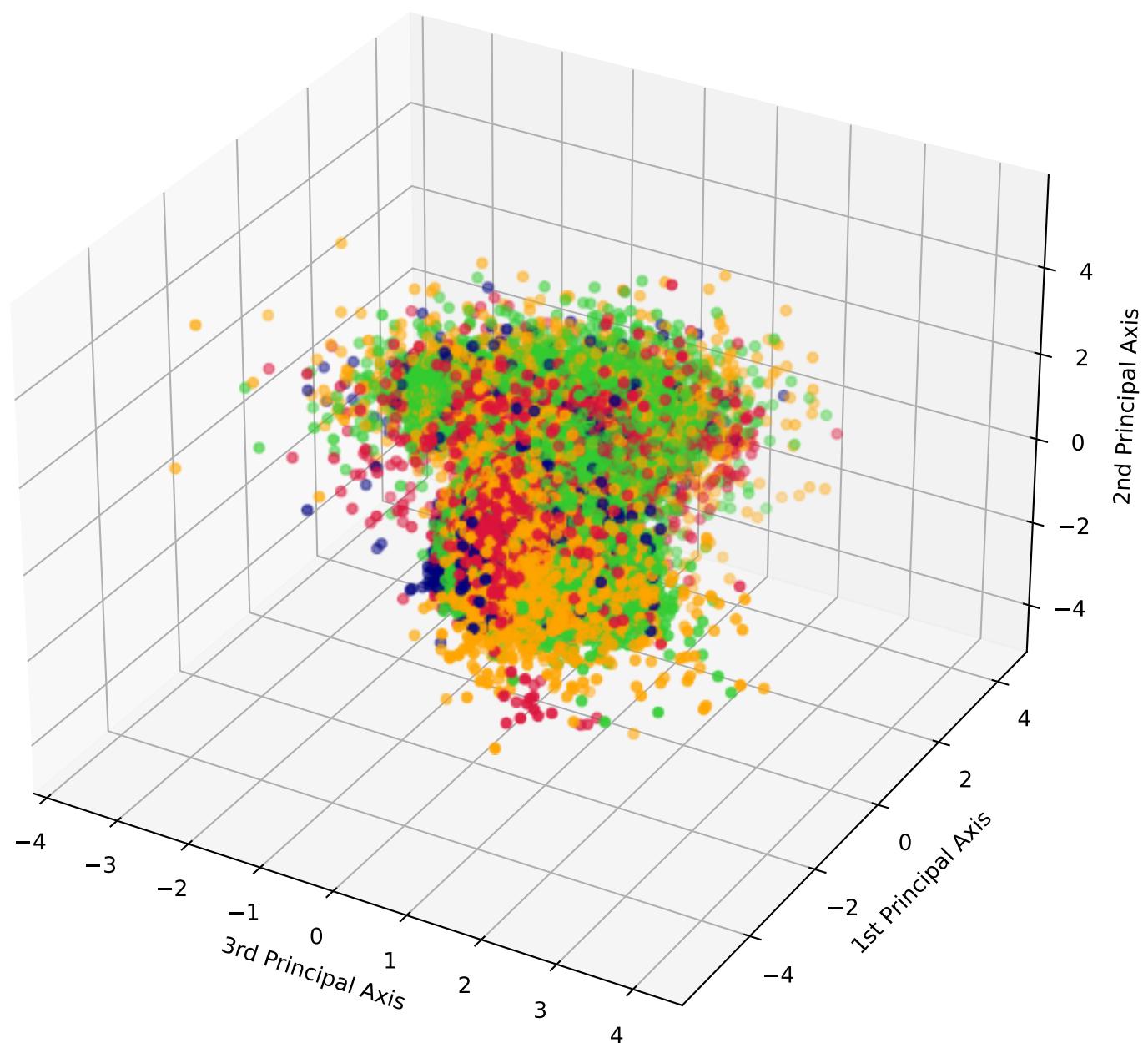
Angle 1



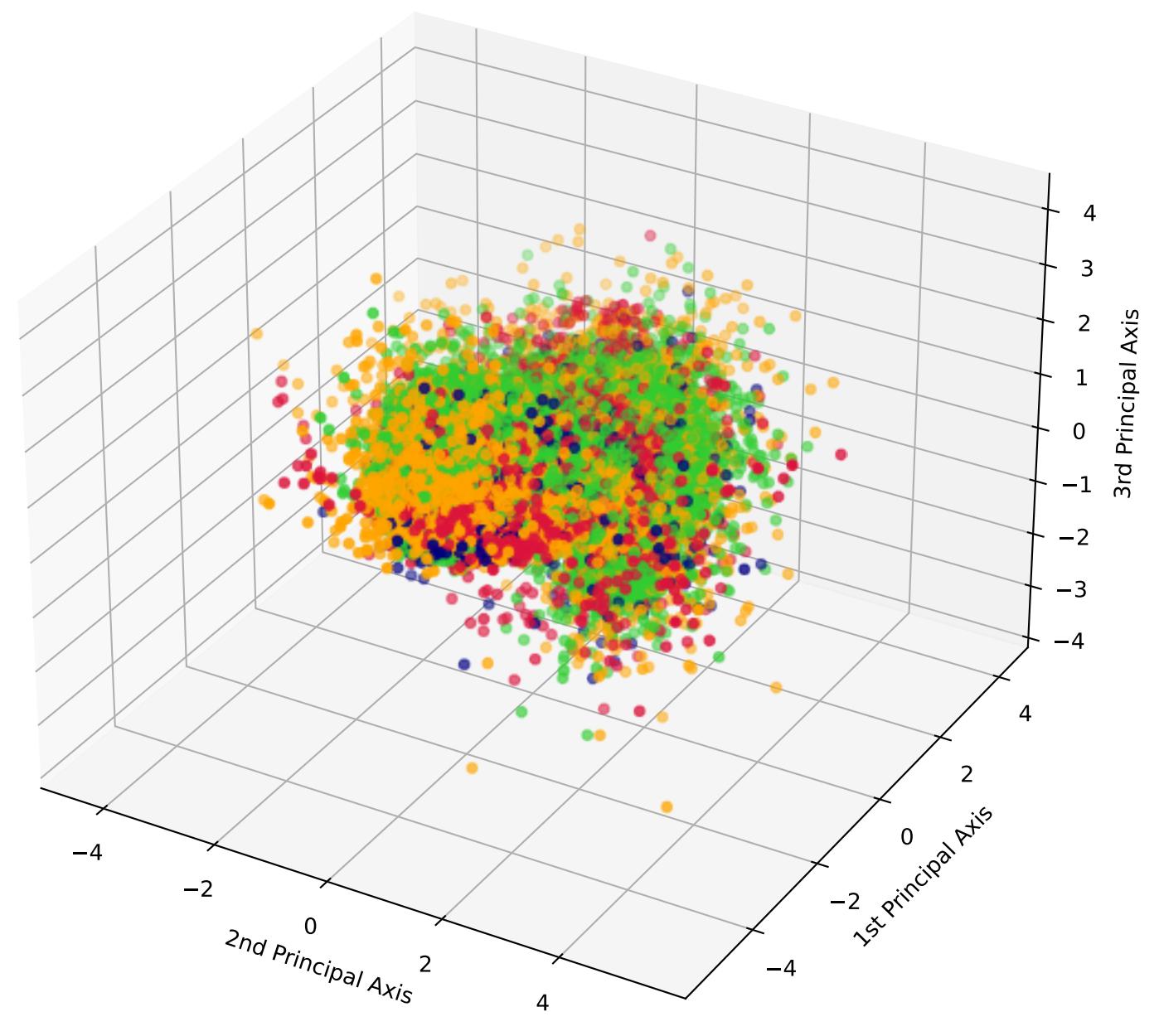
Angle 2



Angle 3

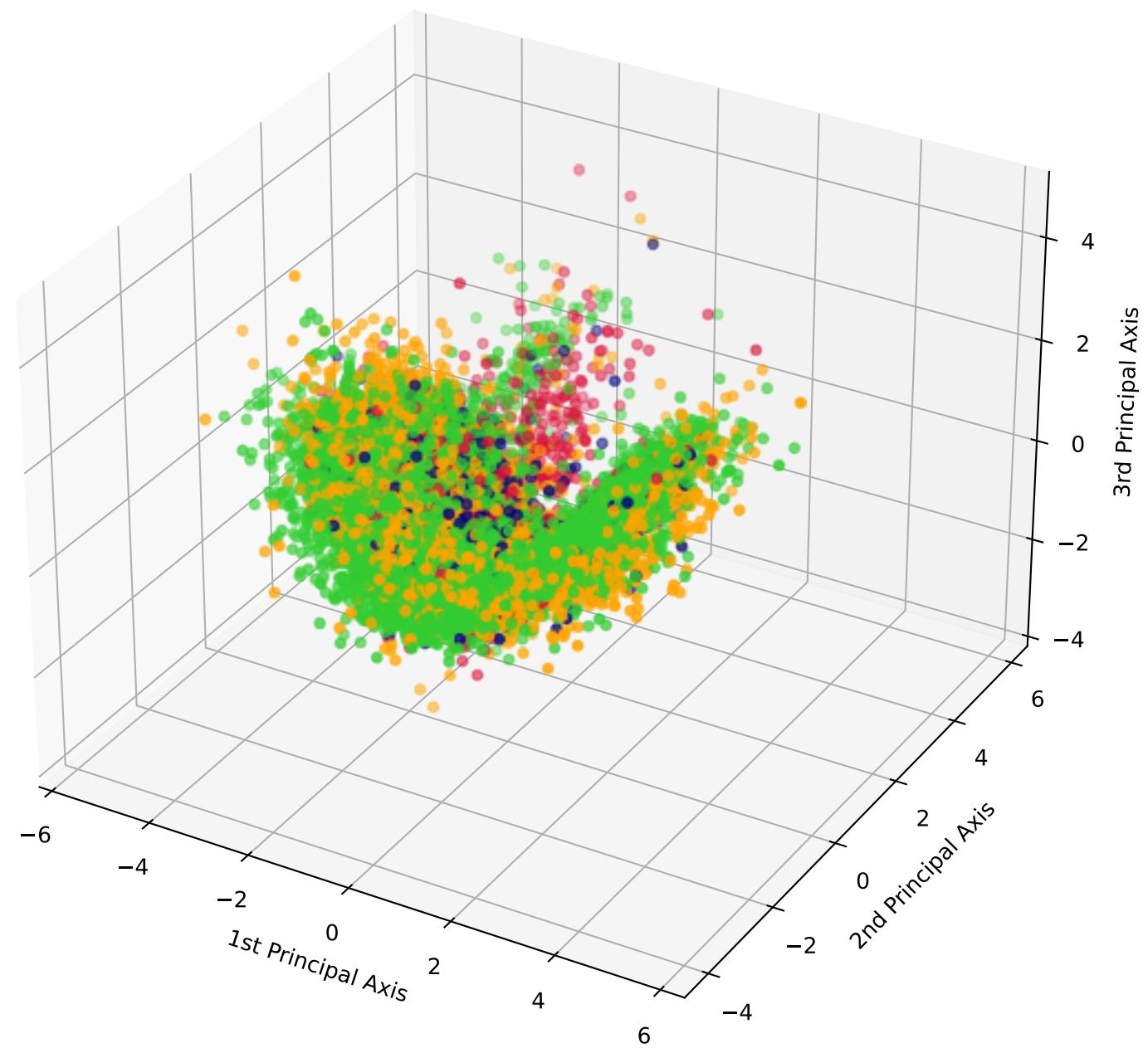


Angle 4

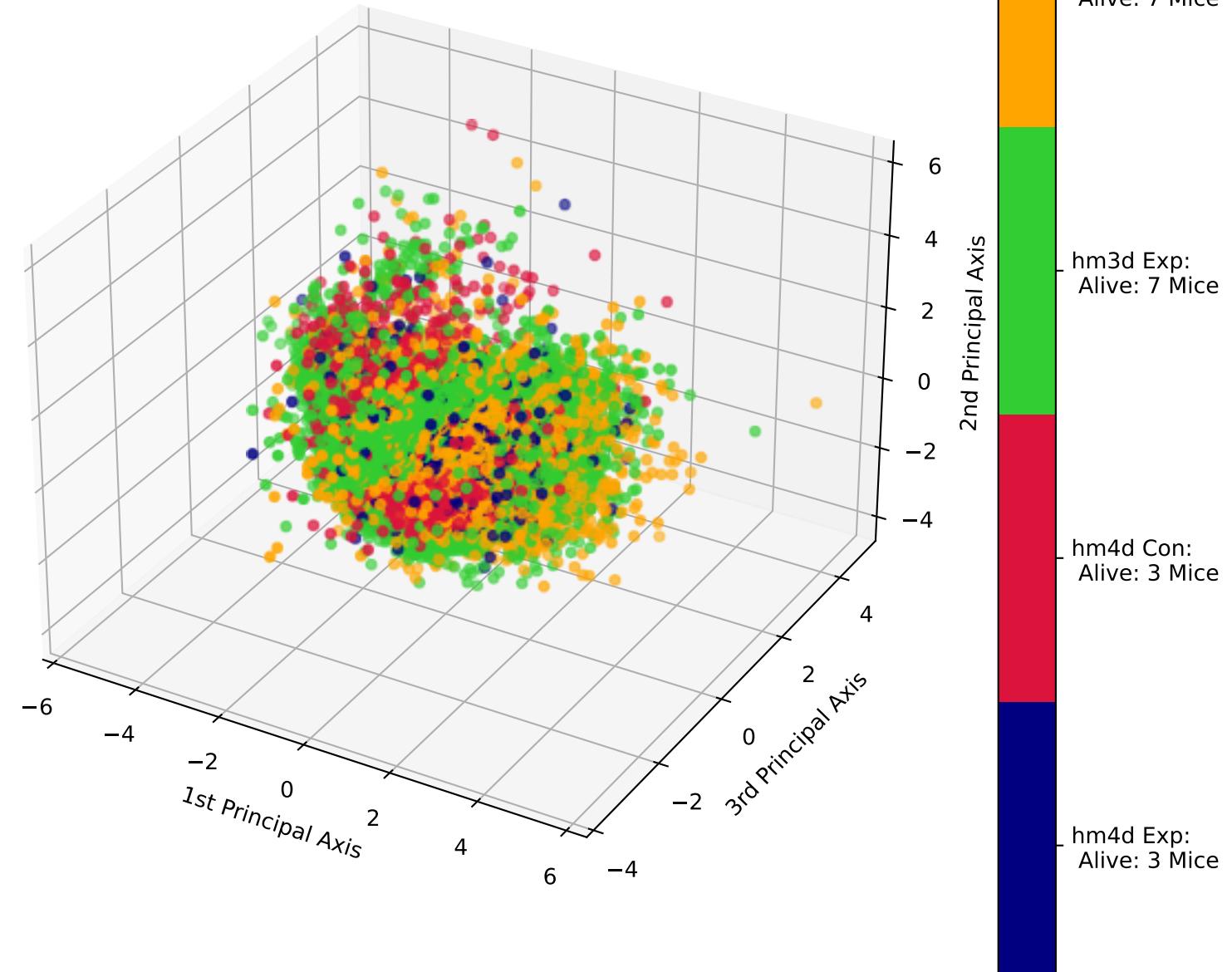


Trial Number: 0, Phase: Post-CNO Room Air

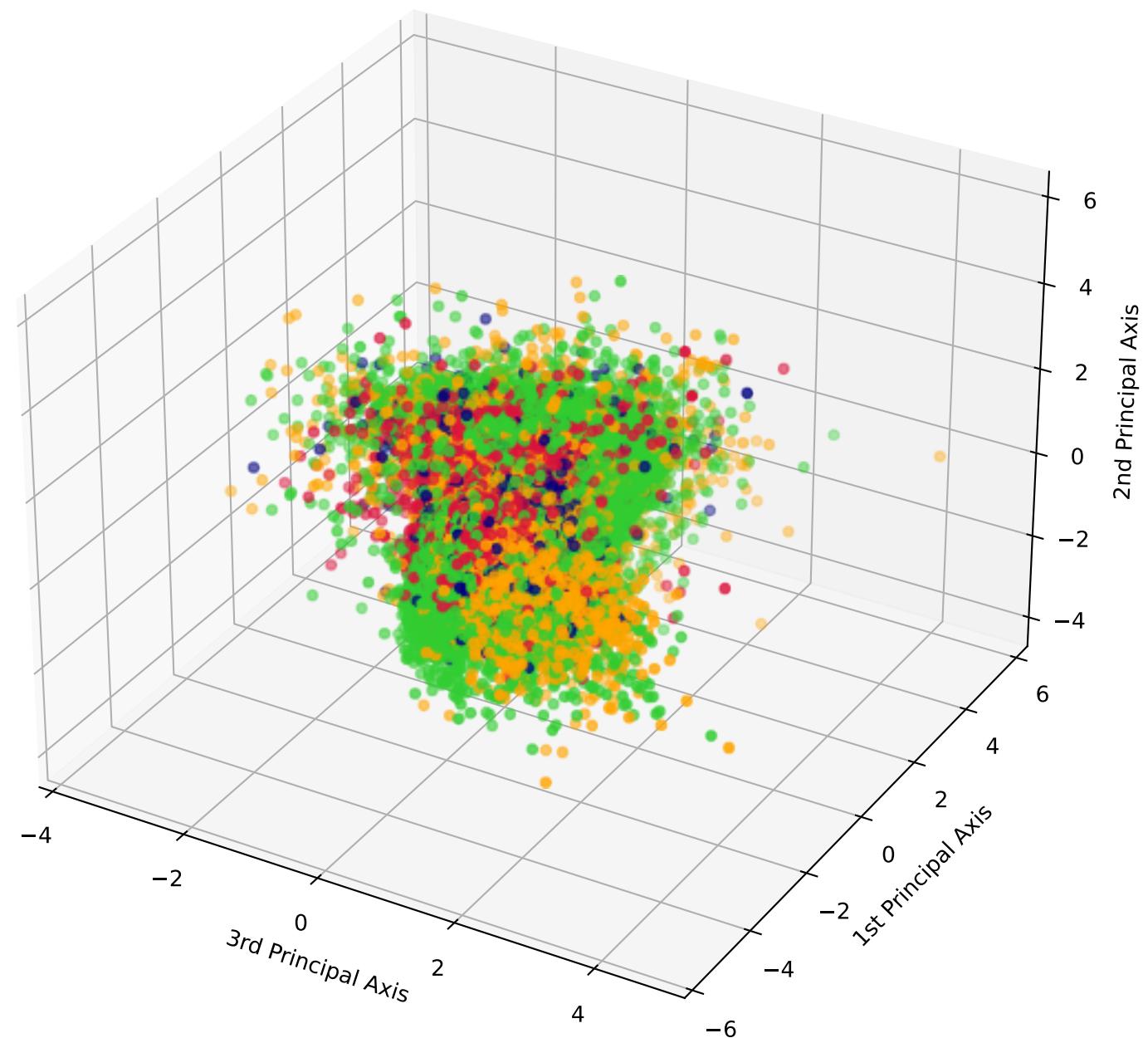
Angle 1



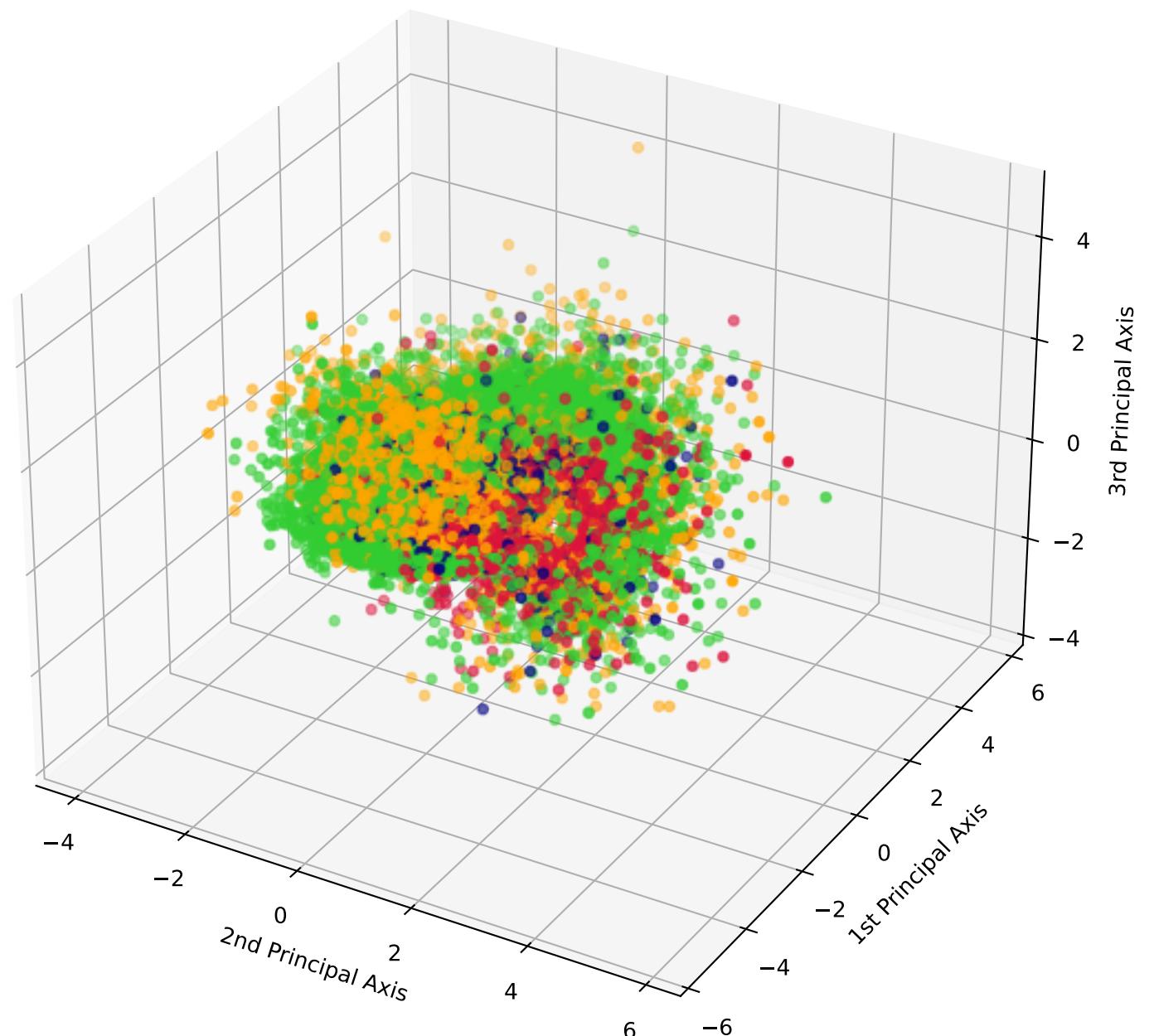
Angle 2



Angle 3

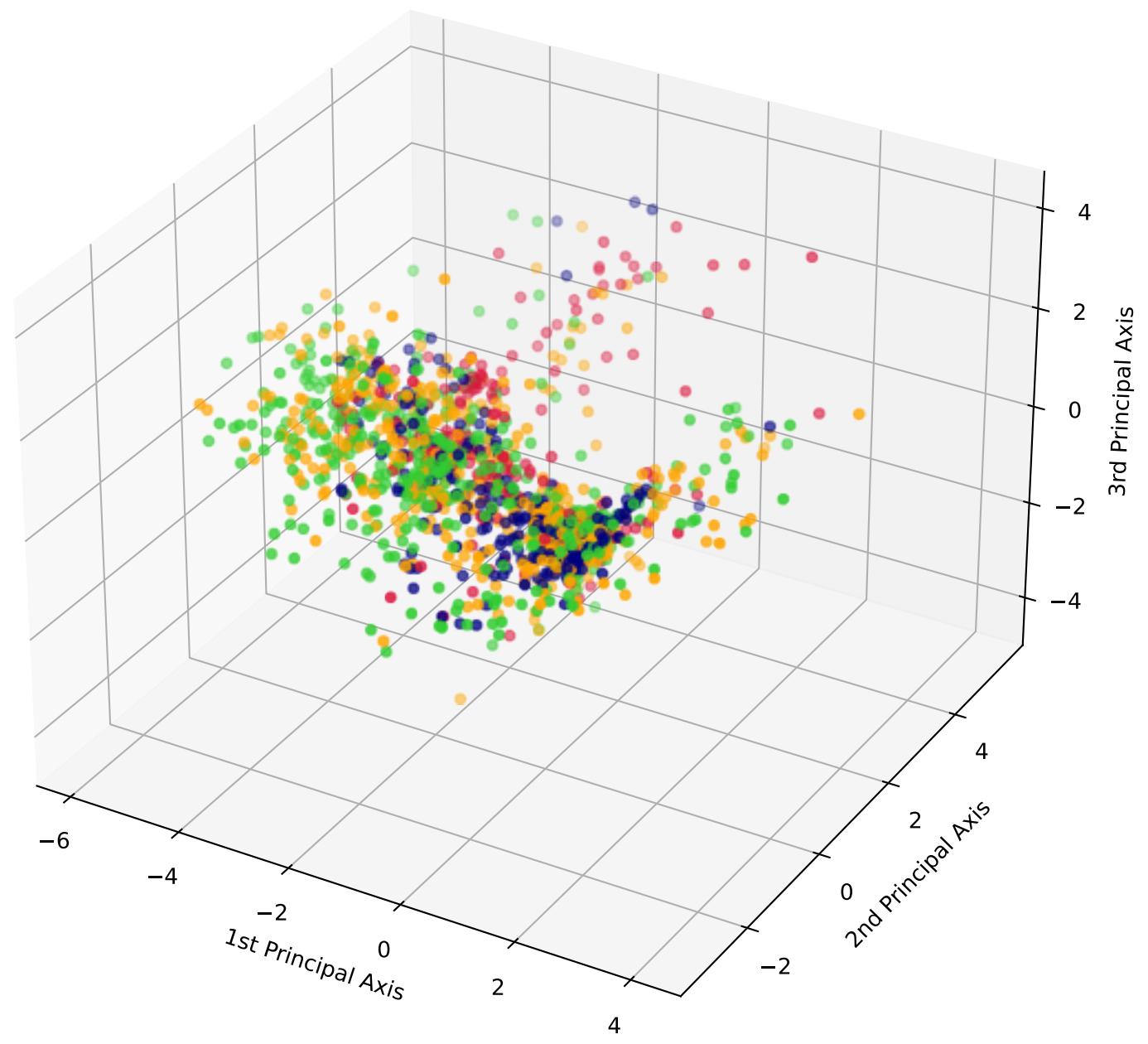


Angle 4

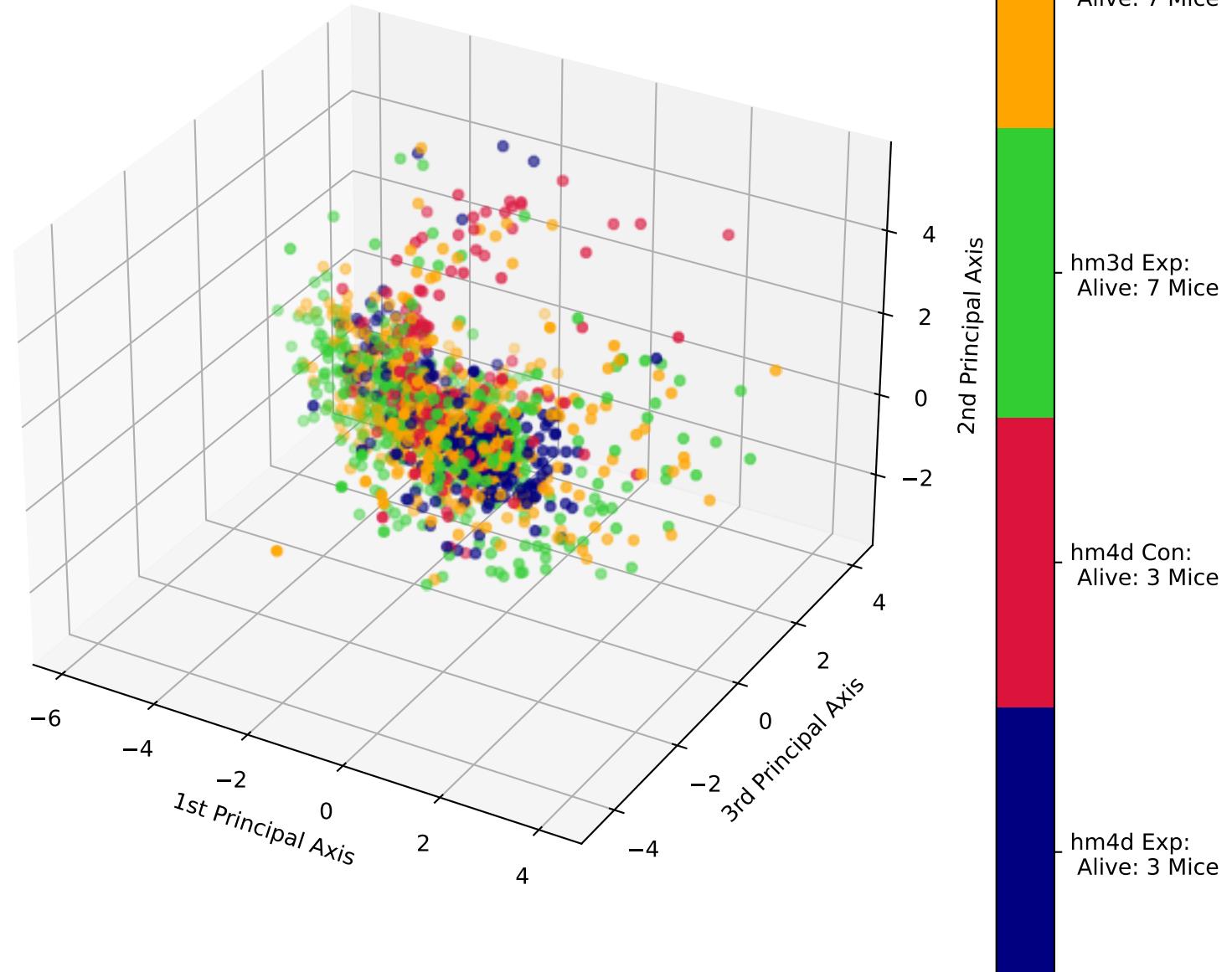


Trial Number: 1, Phase: Trial Onset

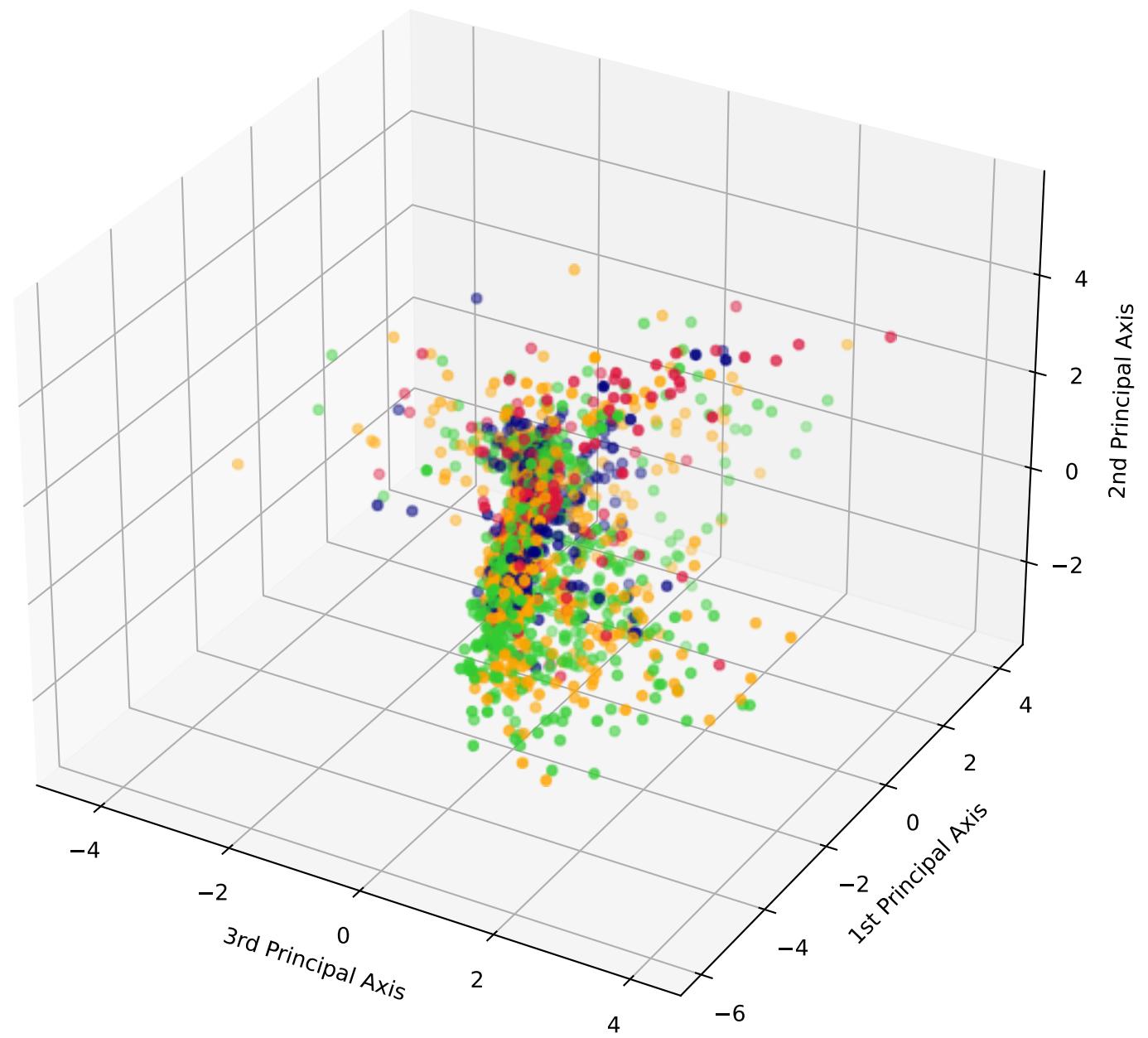
Angle 1



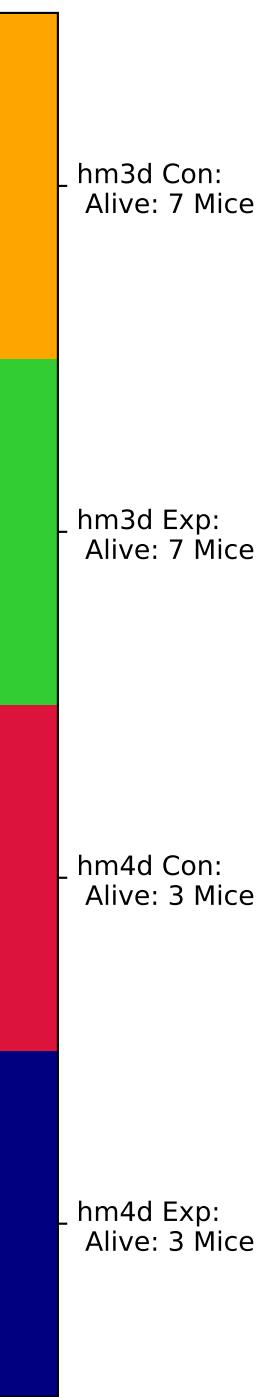
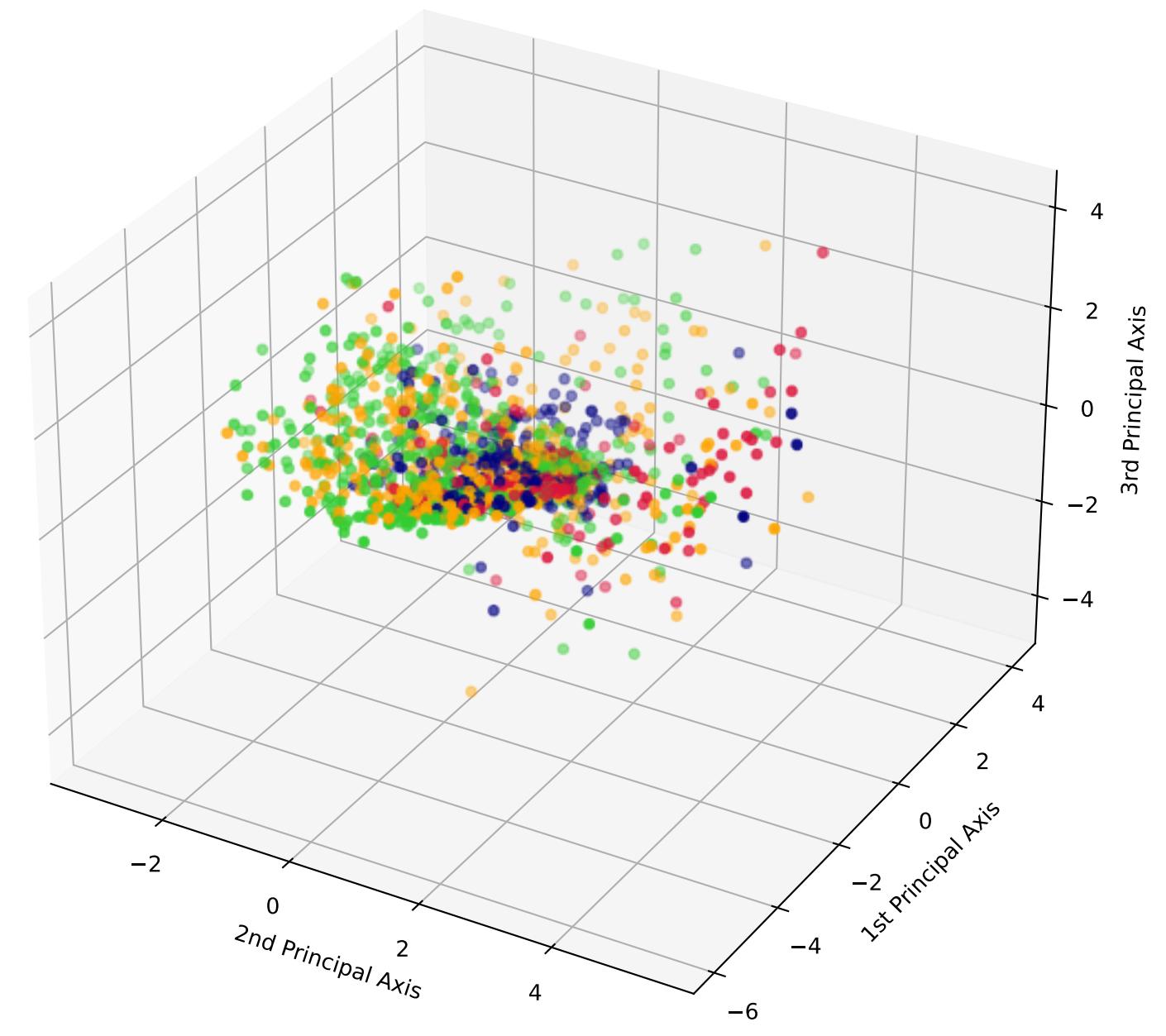
Angle 2



Angle 3

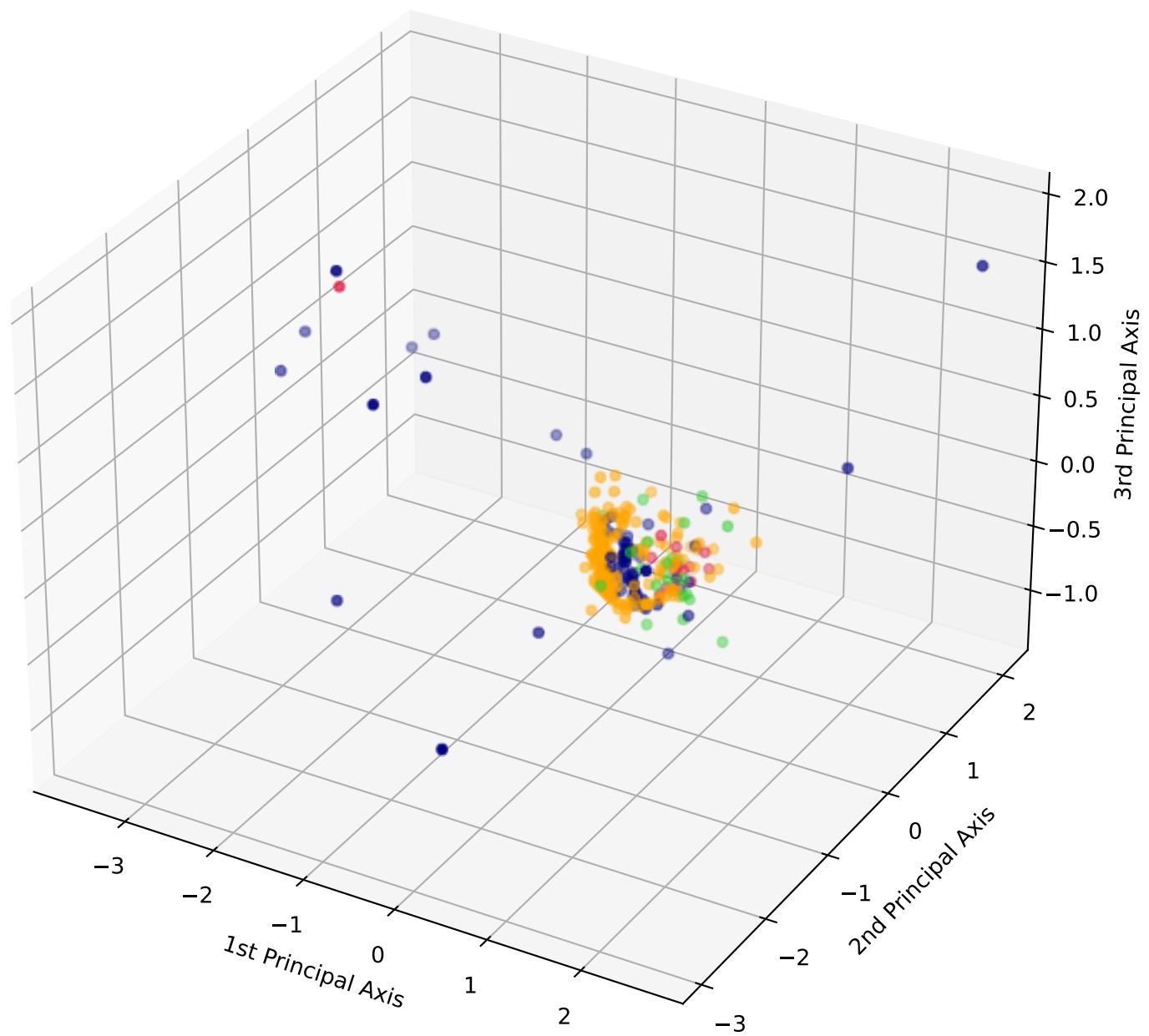


Angle 4

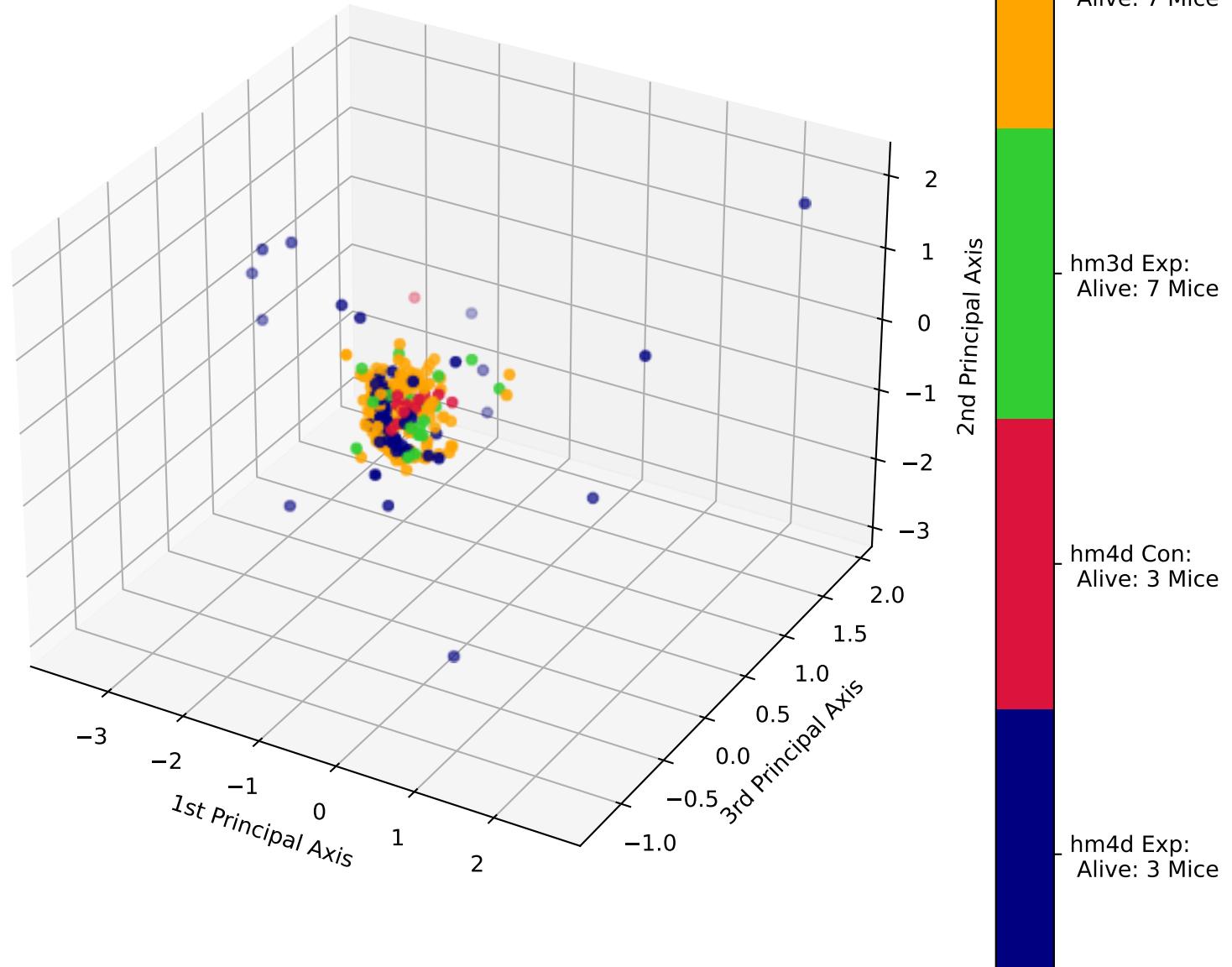


Trial Number: 1, Phase: Apnea Starts

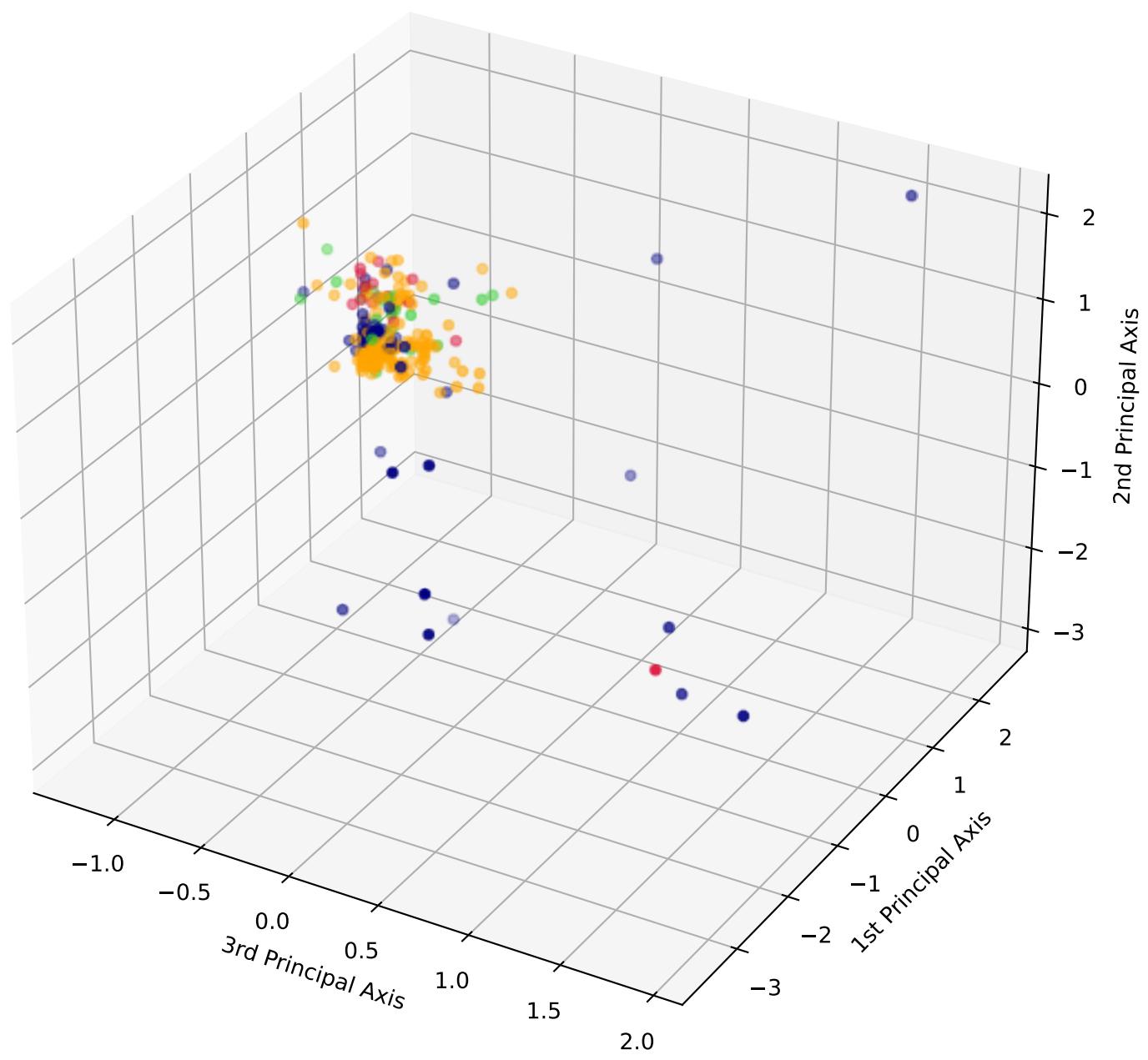
Angle 1



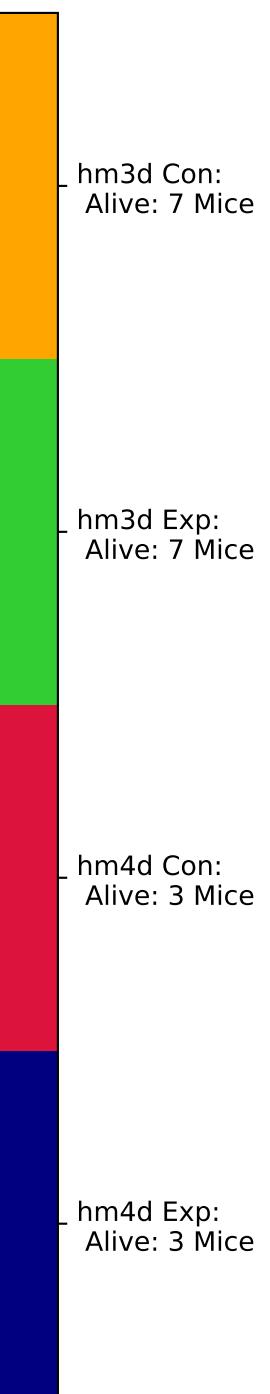
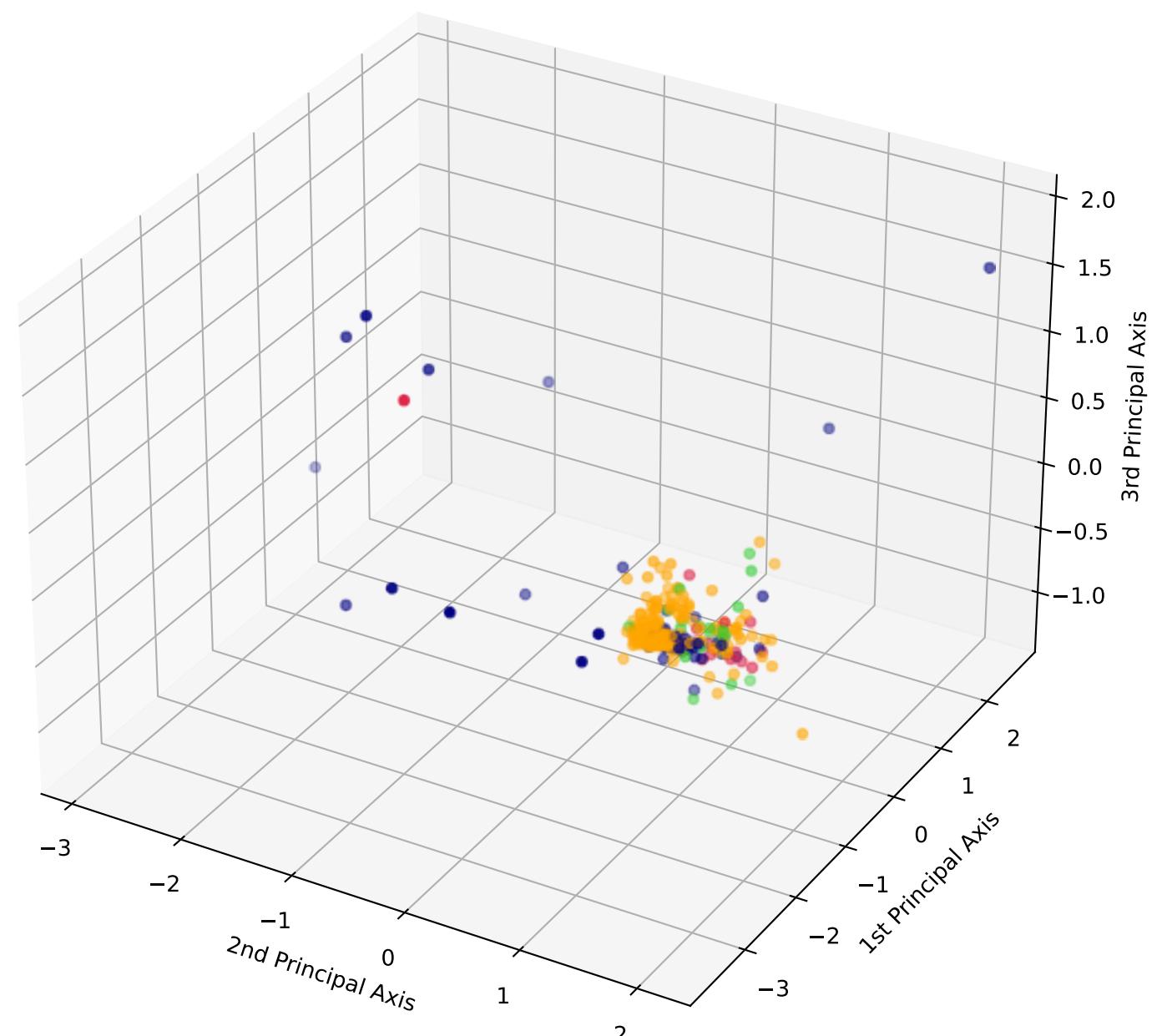
Angle 2



Angle 3

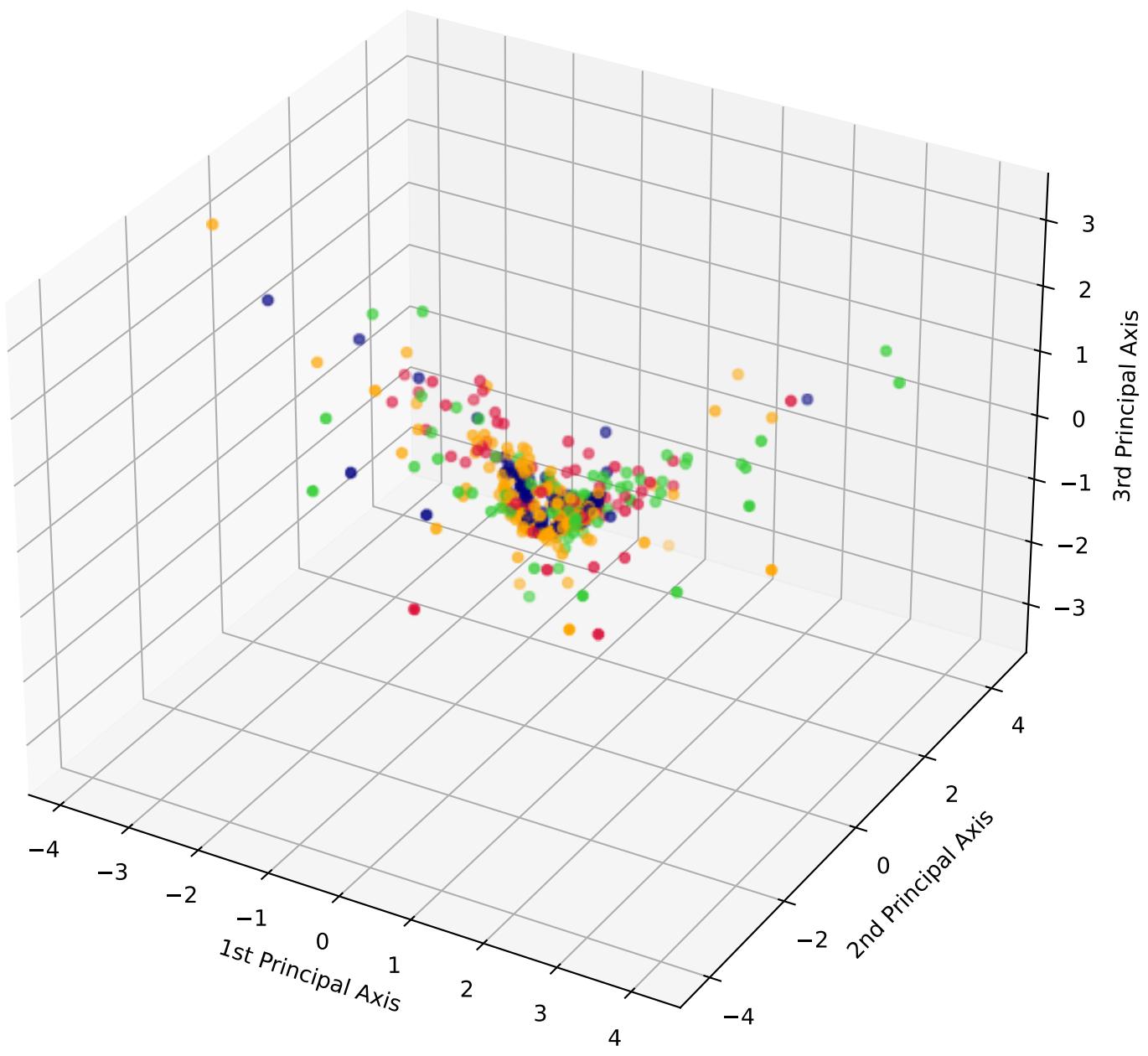


Angle 4

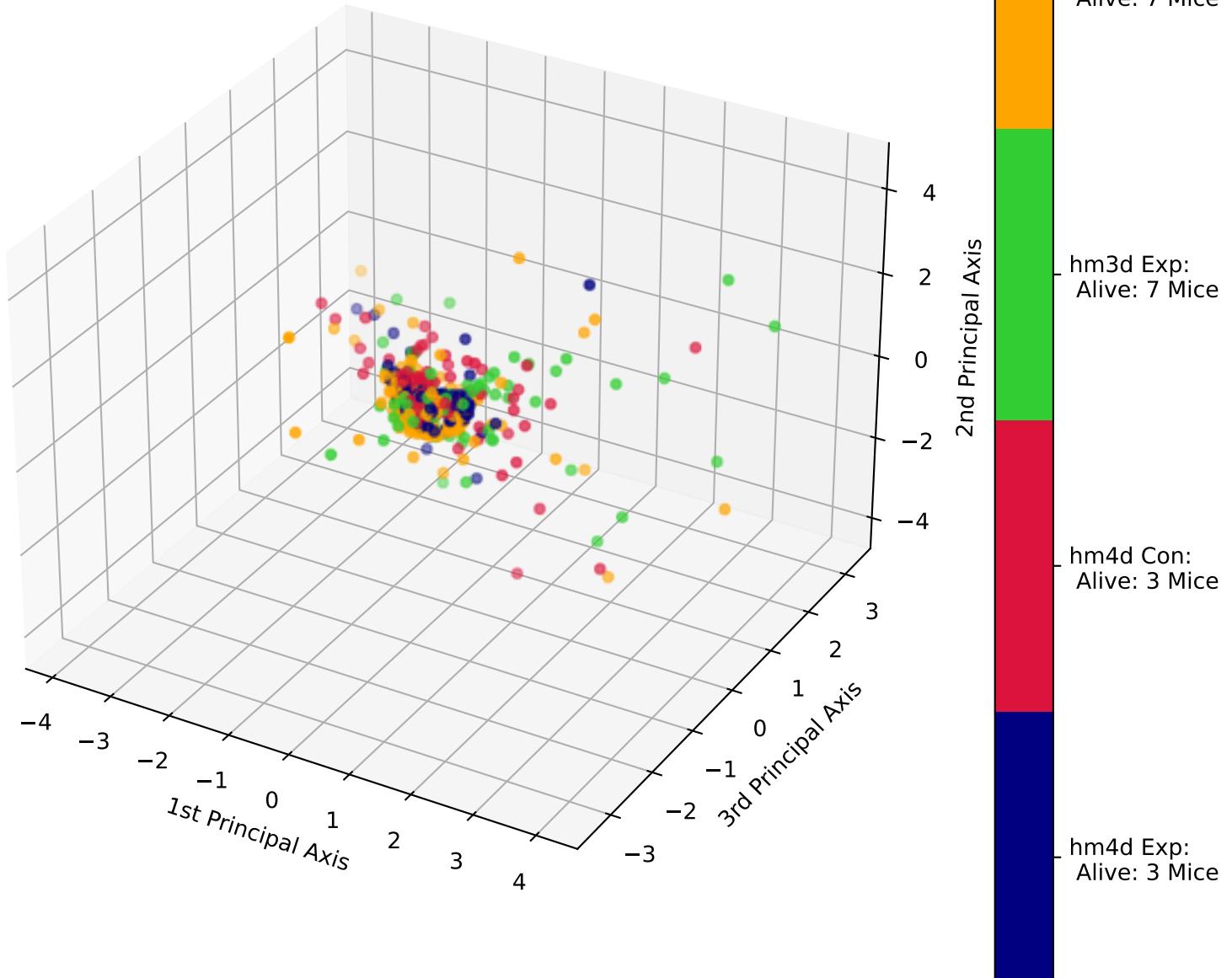


Trial Number: 1, Phase: First Gasp

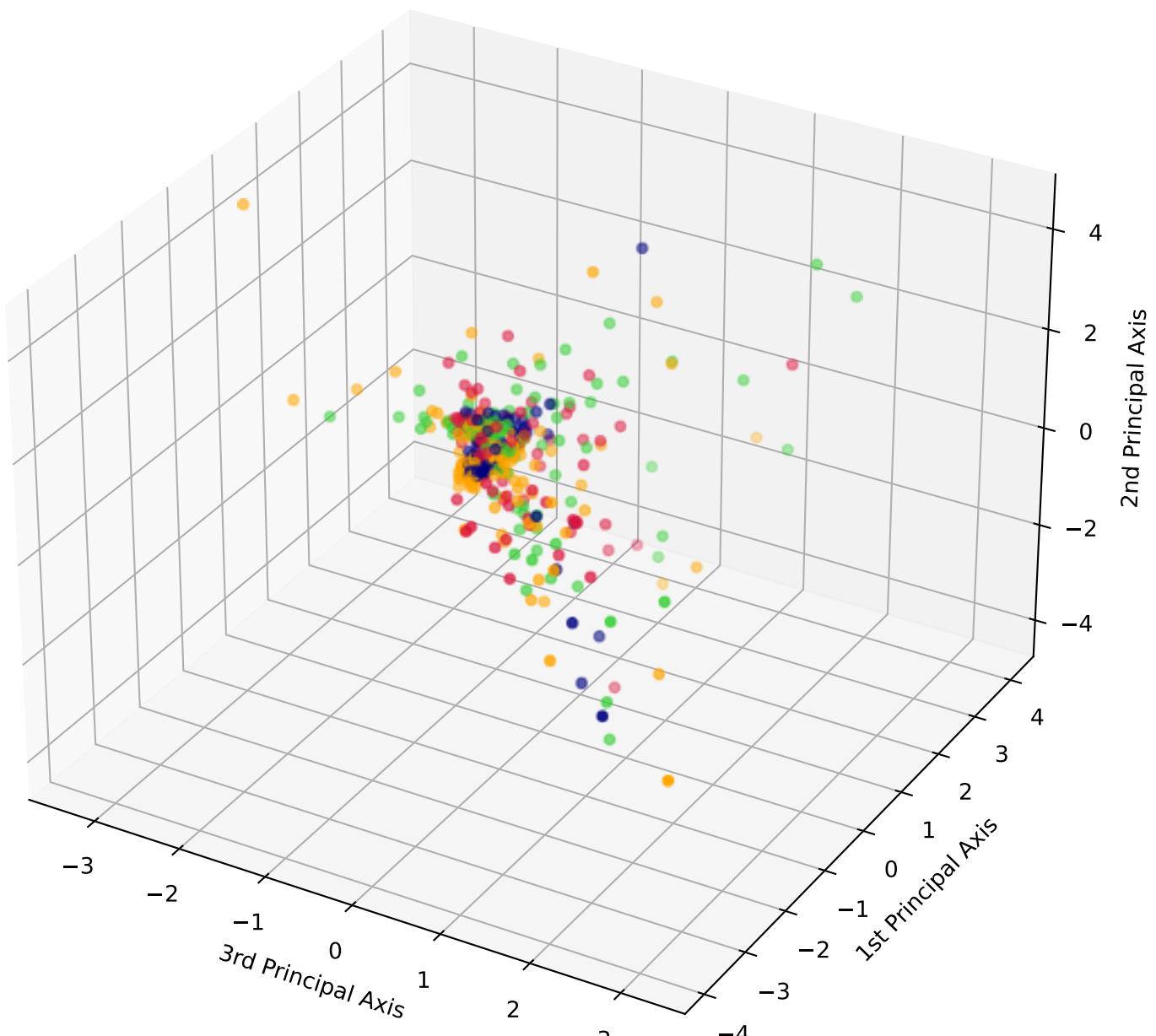
Angle 1



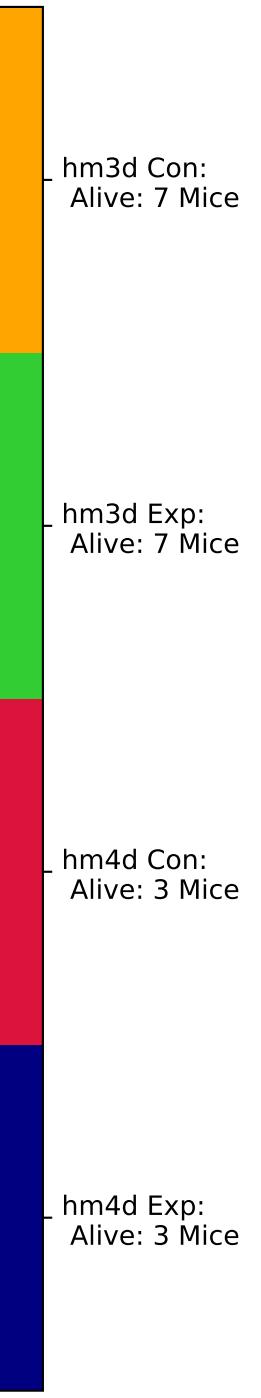
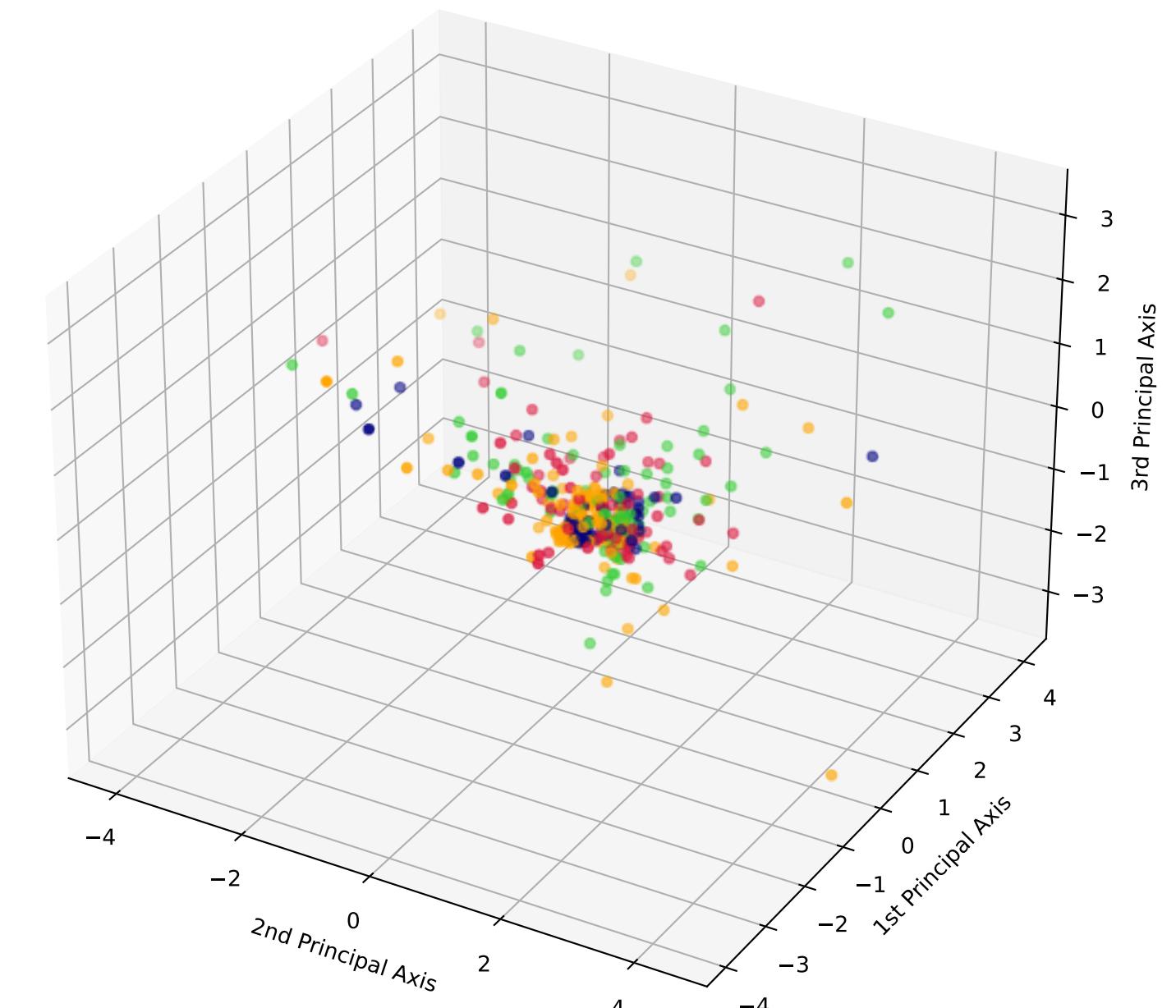
Angle 2



Angle 3

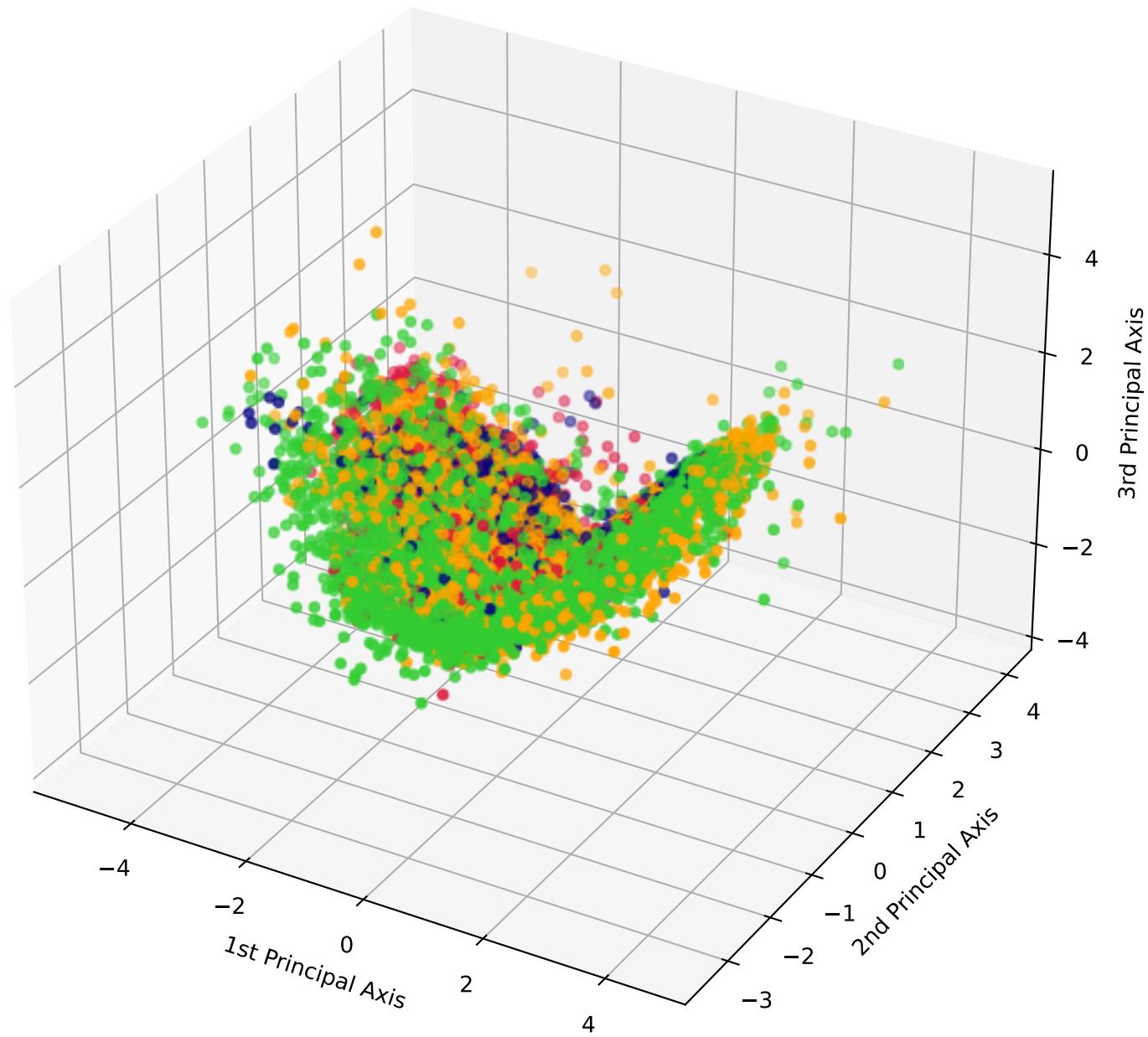


Angle 4

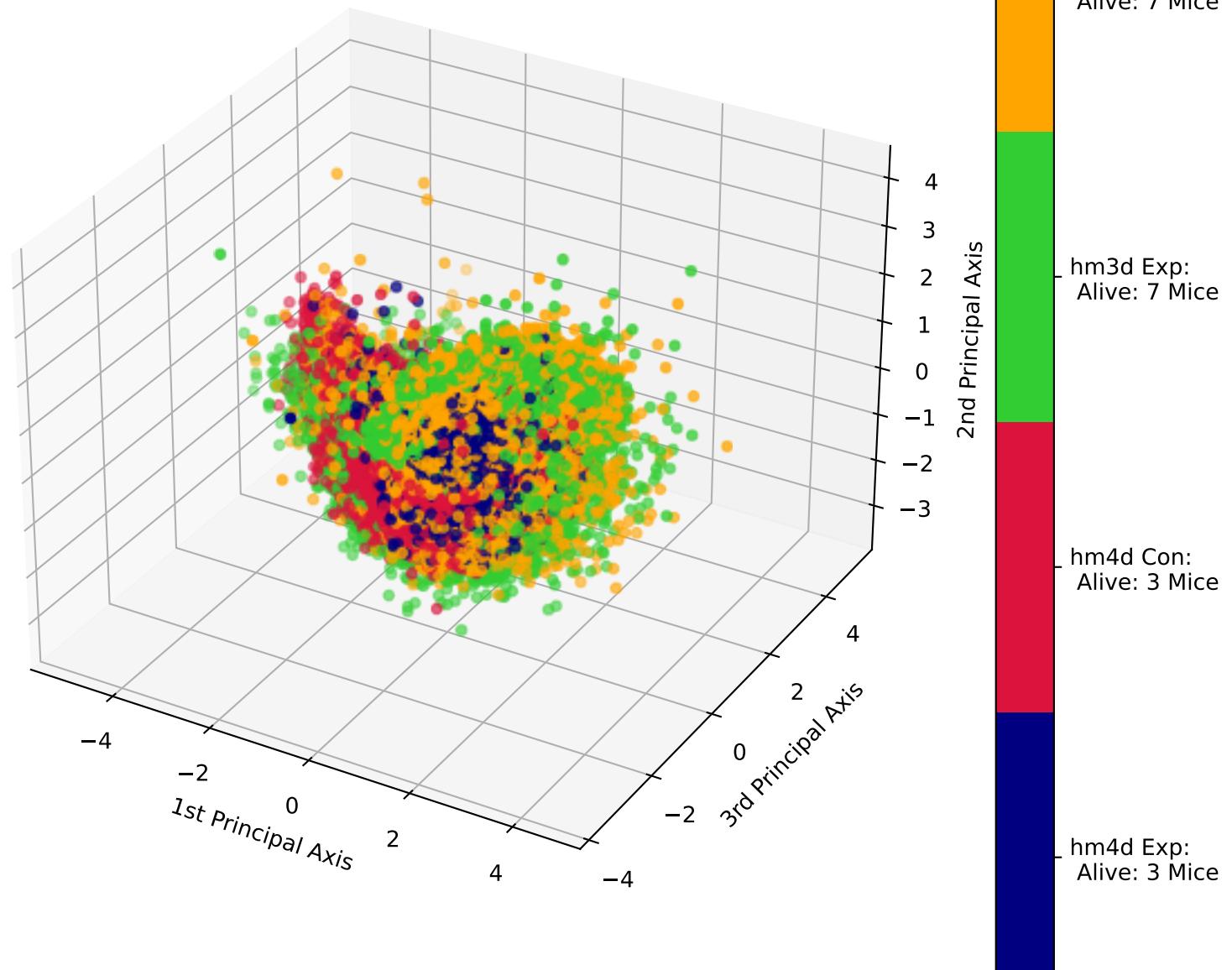


Trial Number: 1, Phase: Eupnea Recovery

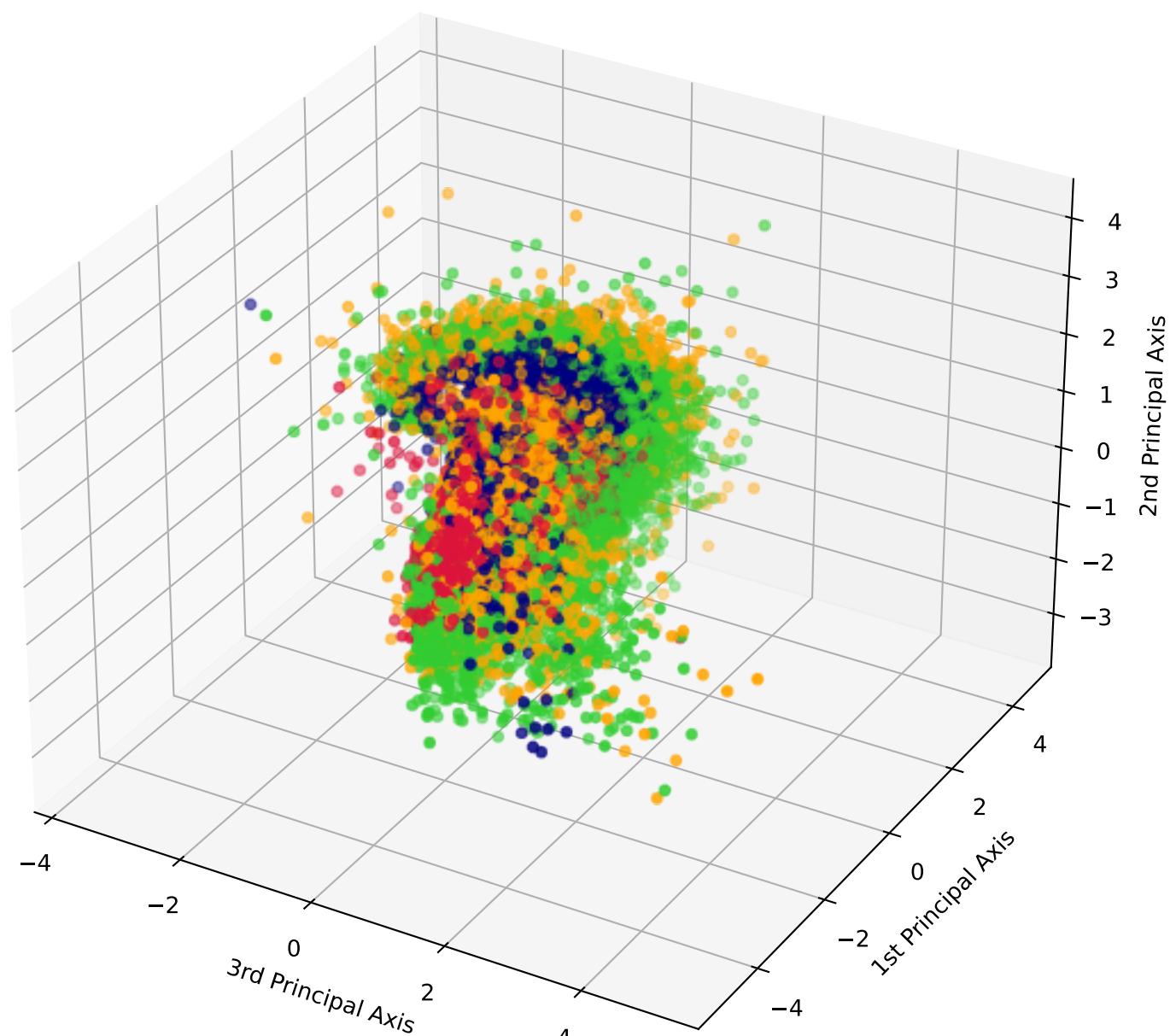
Angle 1



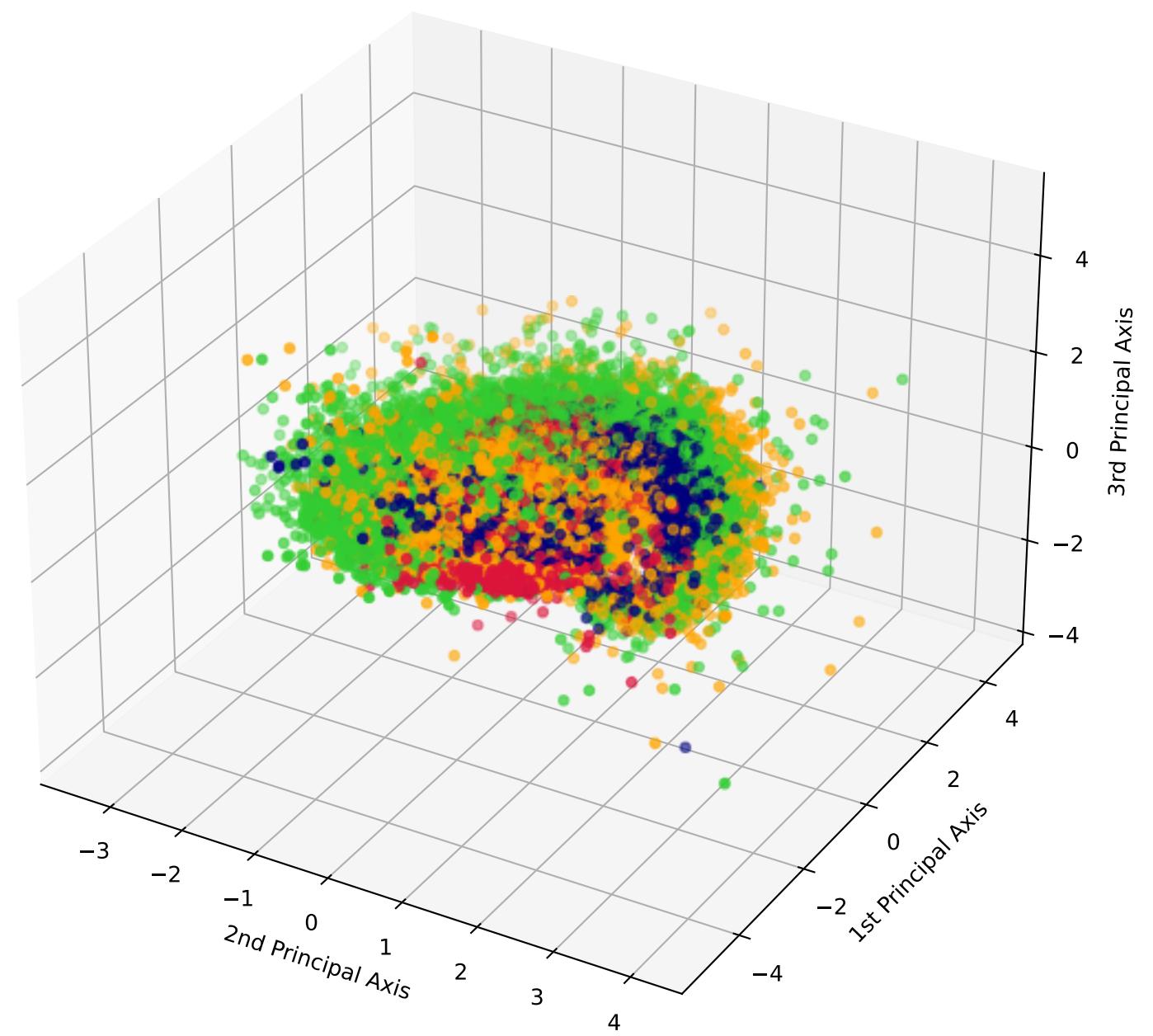
Angle 2



Angle 3

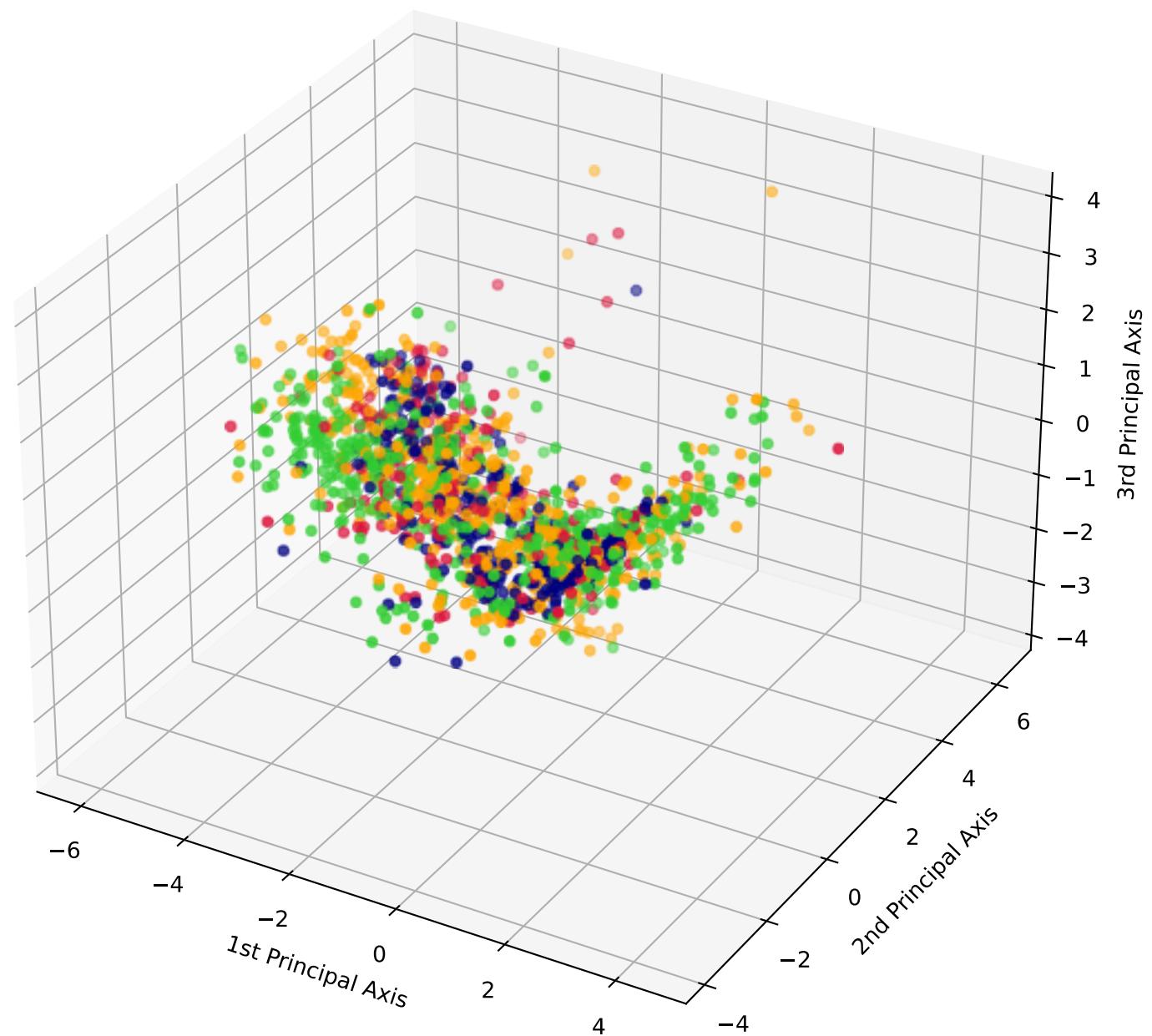


Angle 4

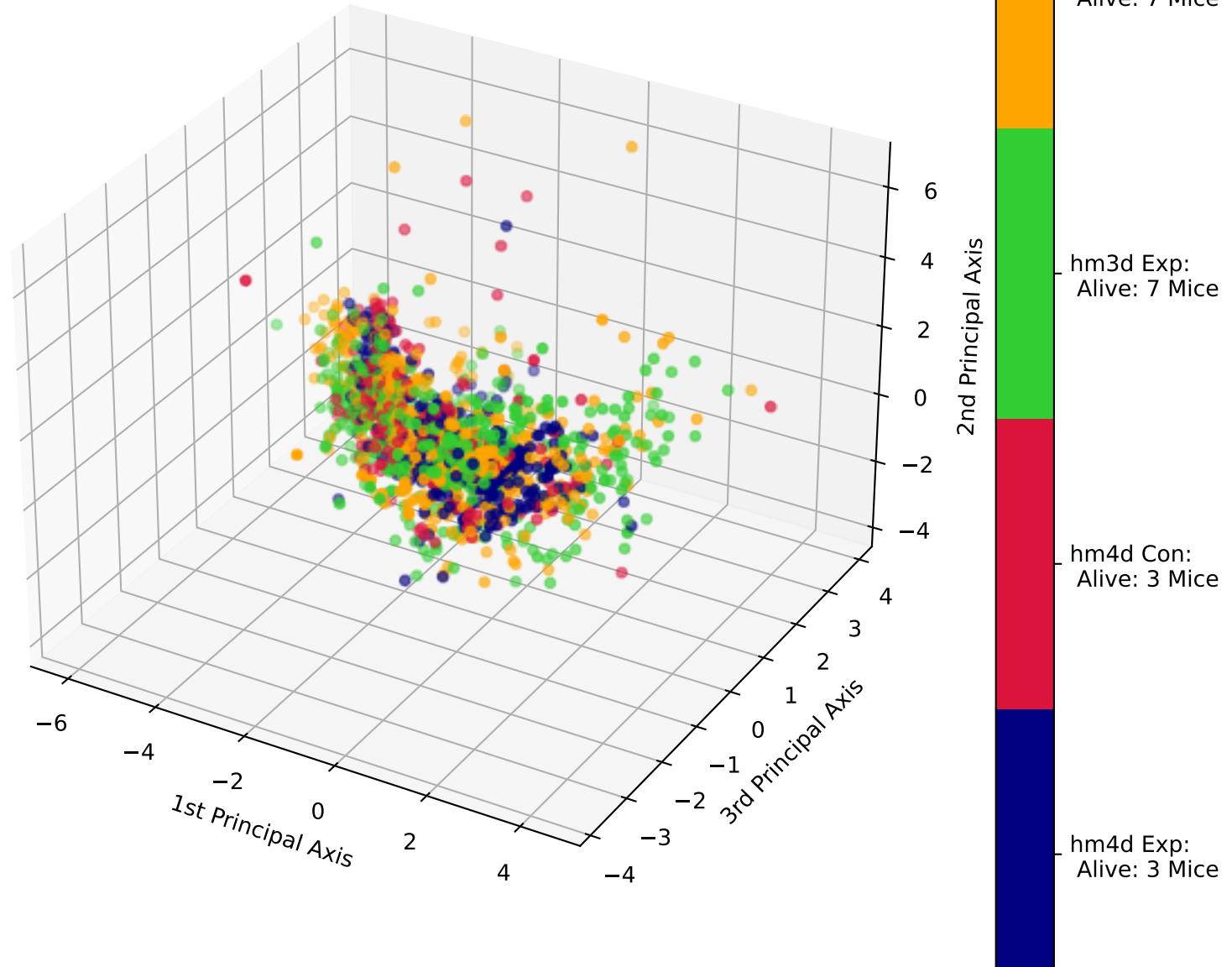


Trial Number: 2, Phase: Trial Onset

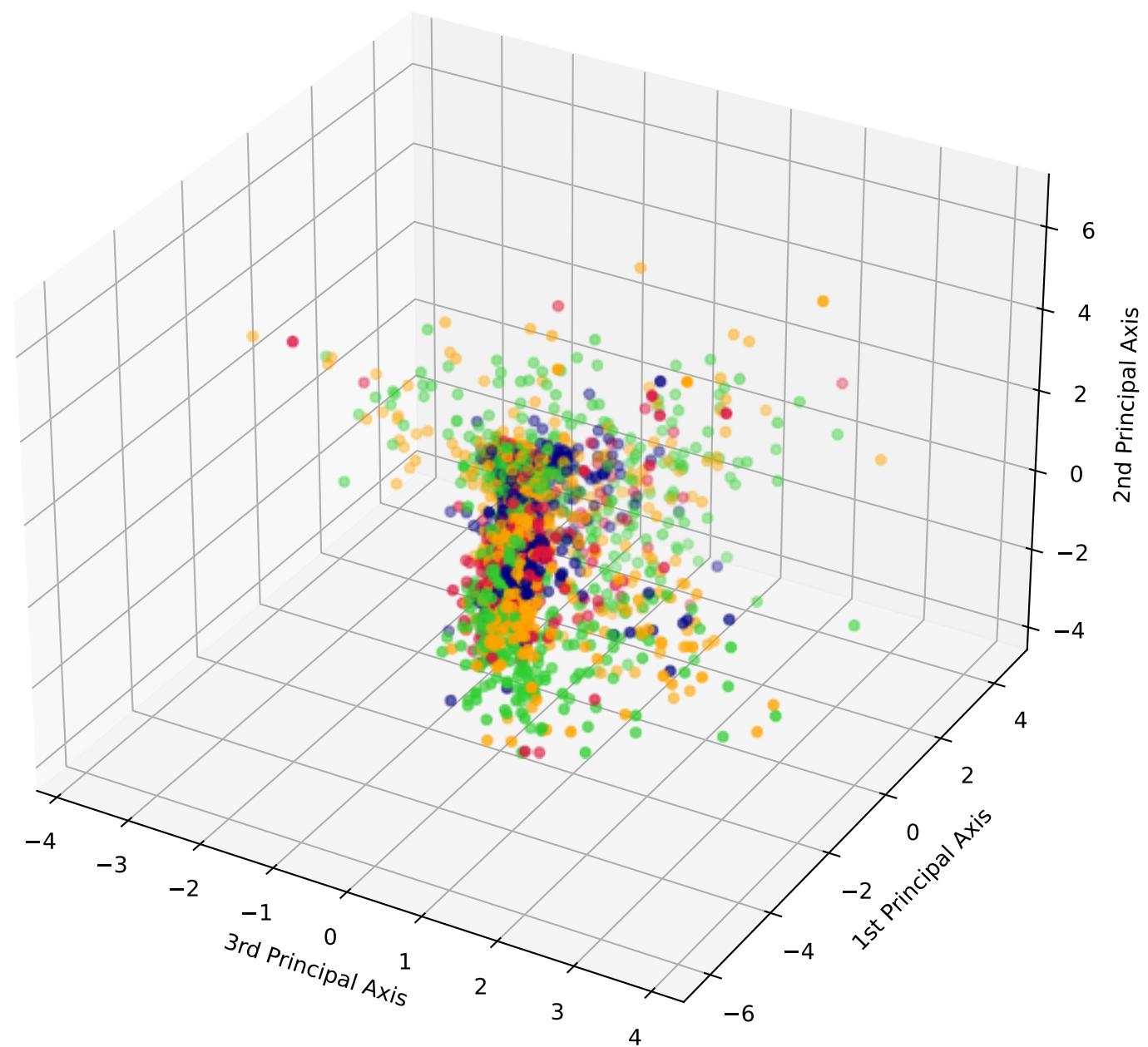
Angle 1



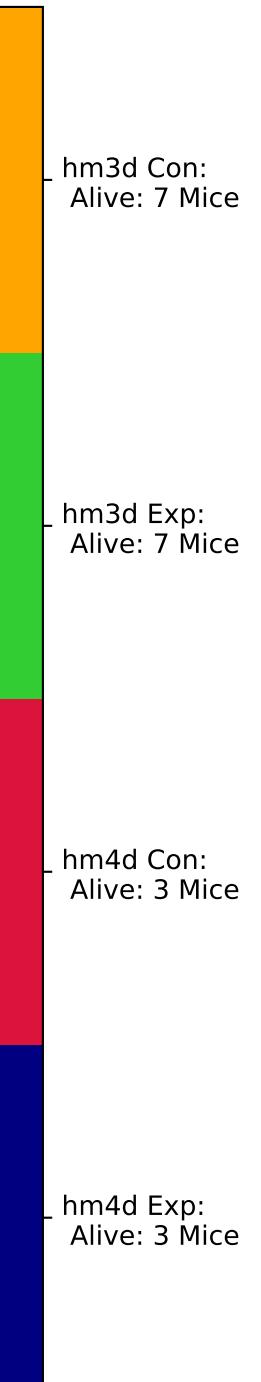
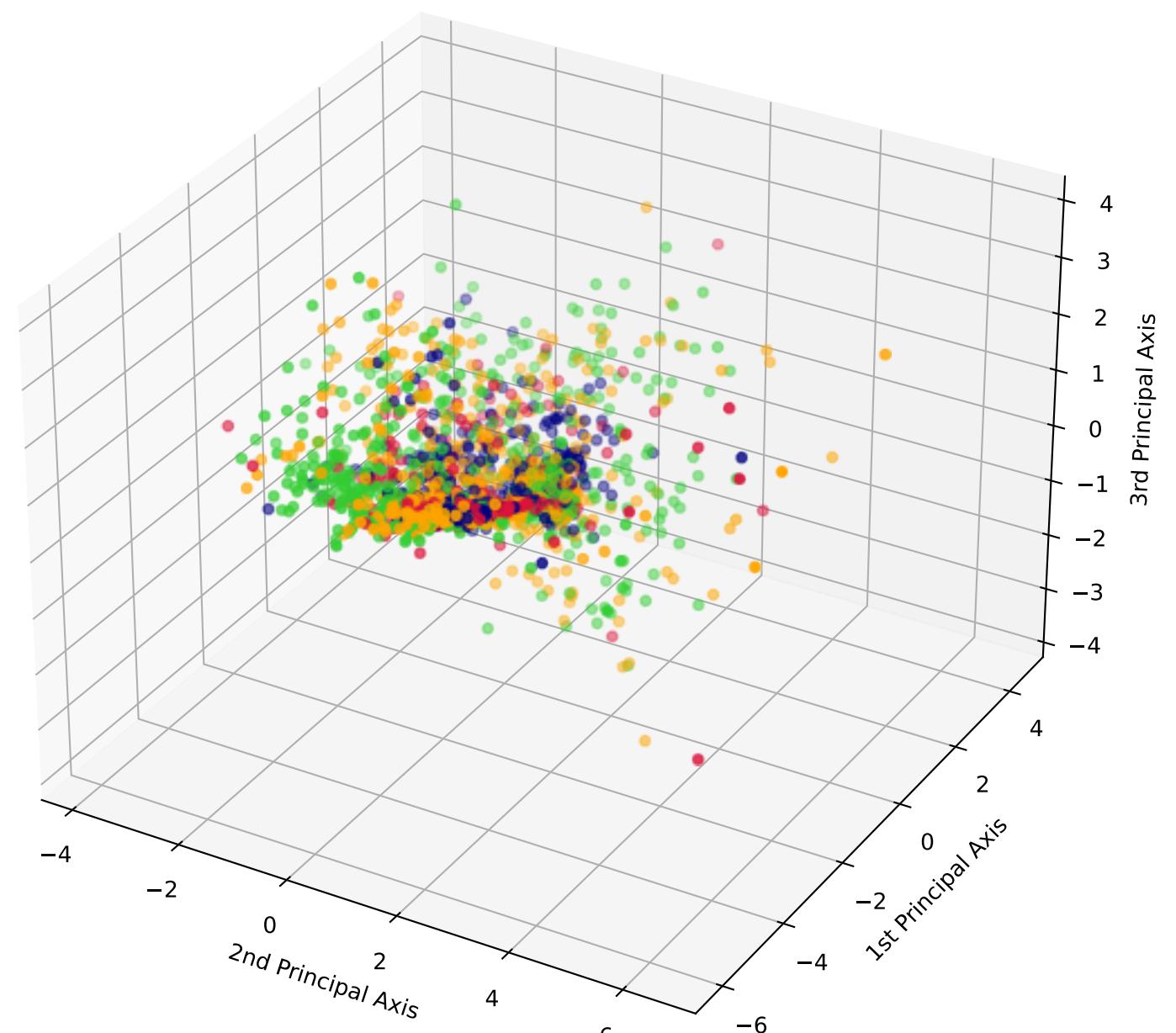
Angle 2



Angle 3

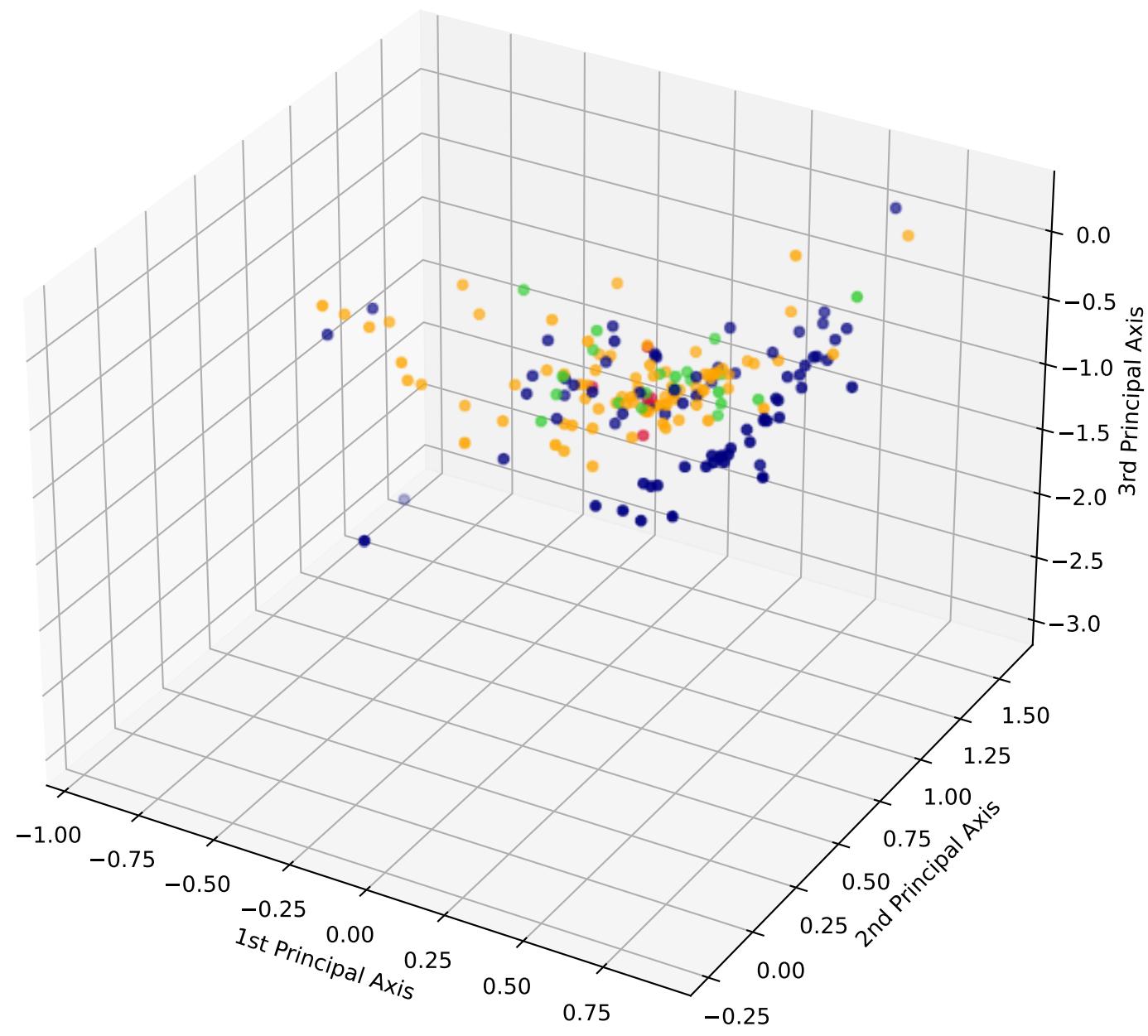


Angle 4

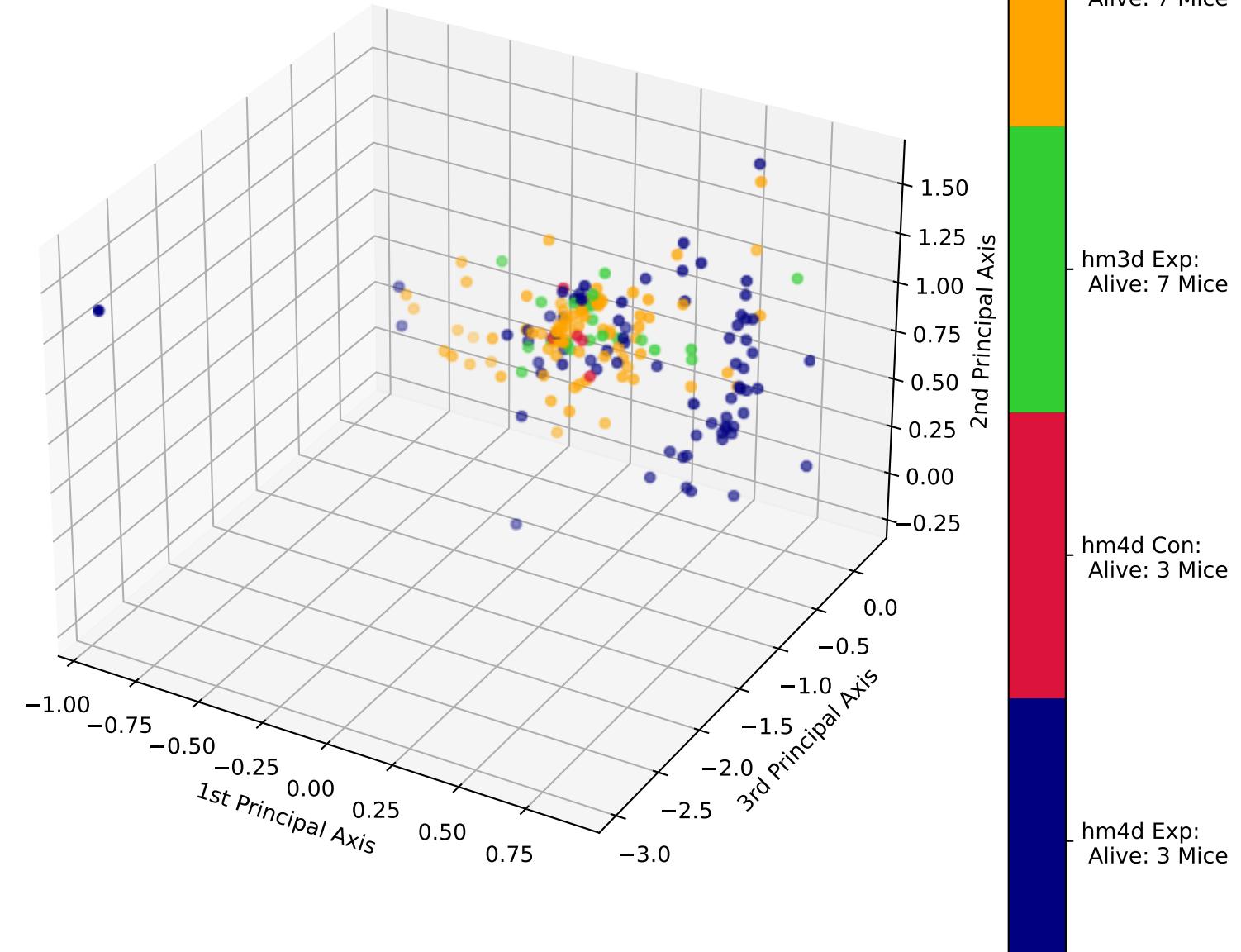


Trial Number: 2, Phase: Apnea Starts

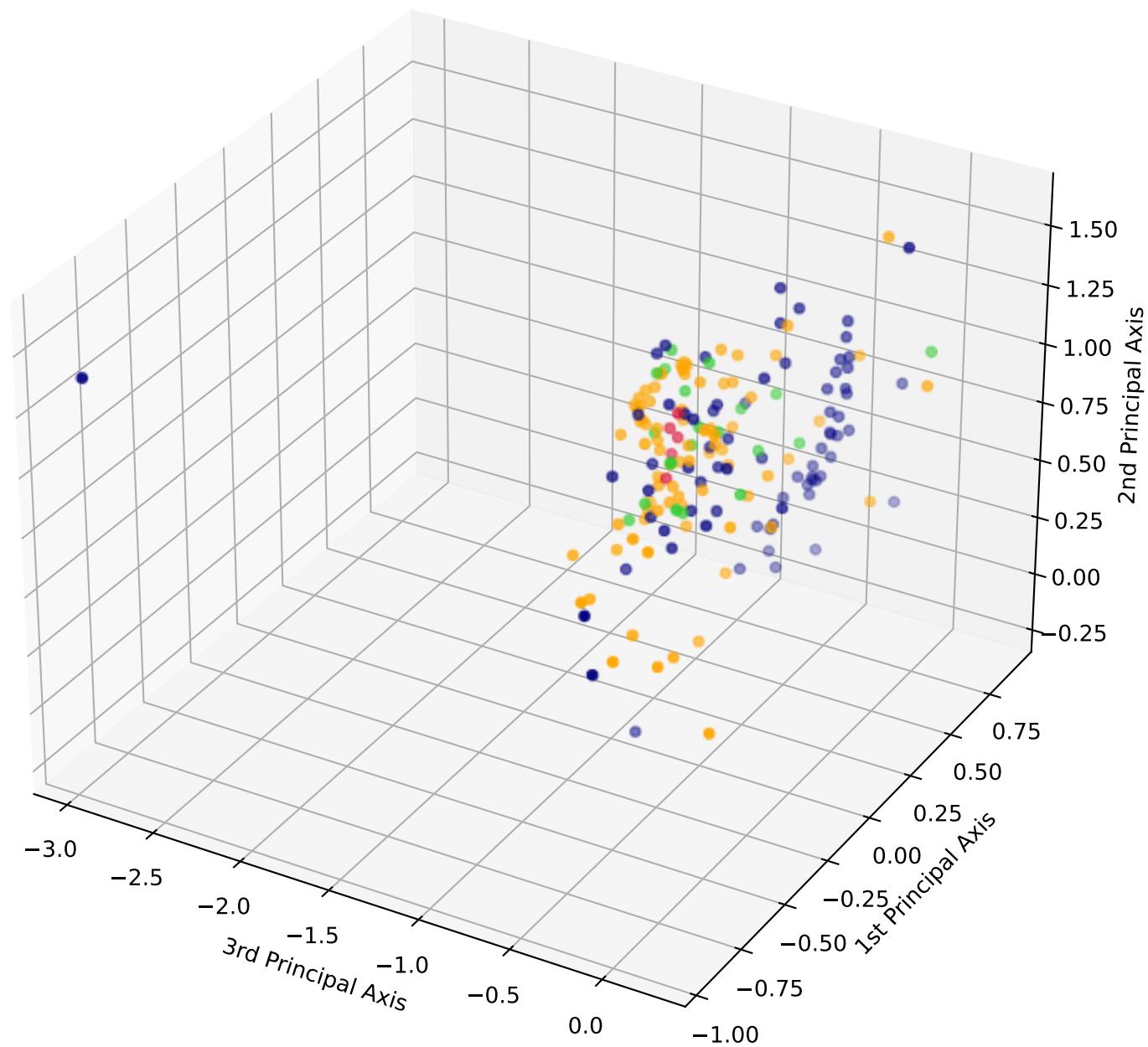
Angle 1



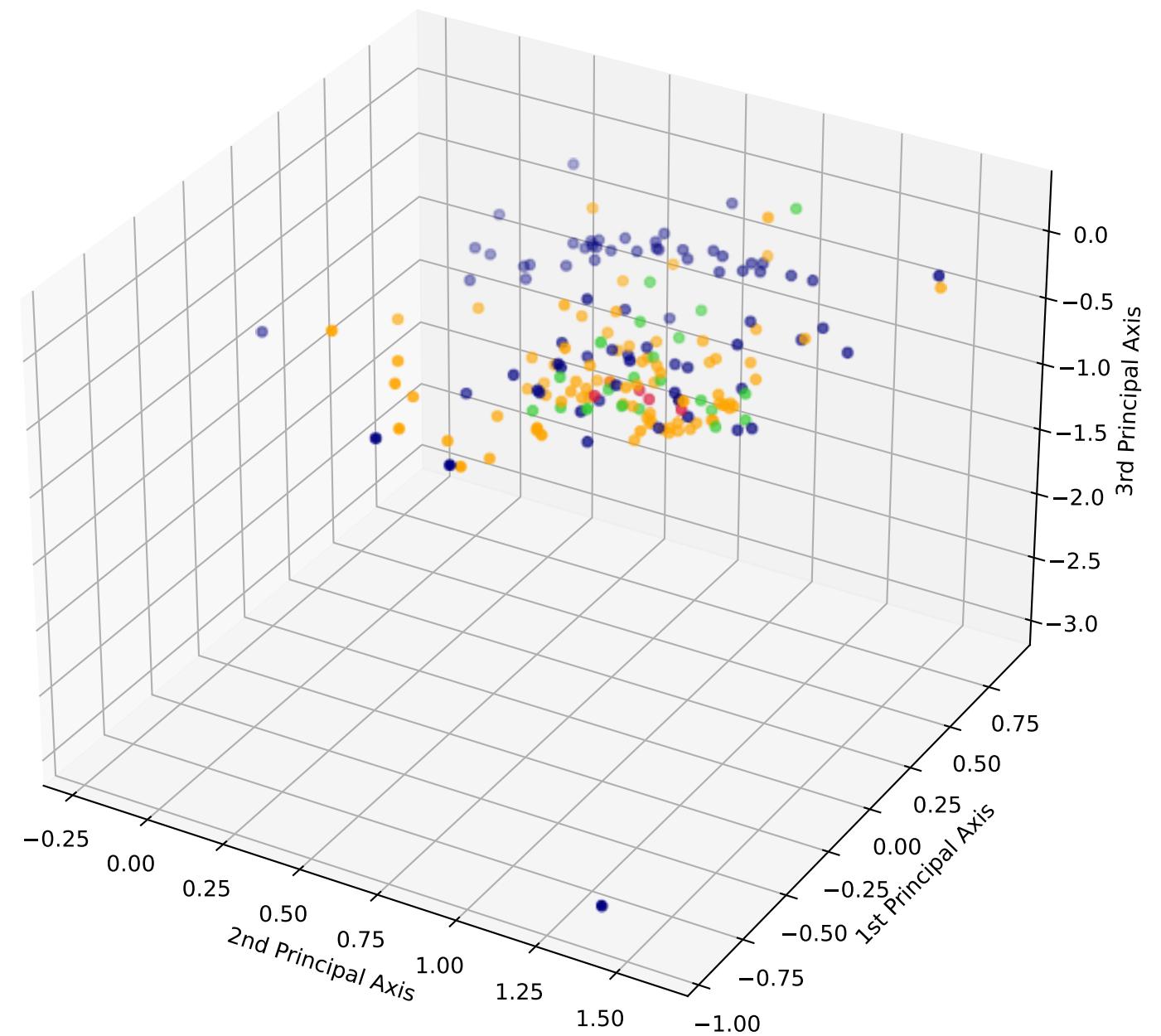
Angle 2



Angle 3

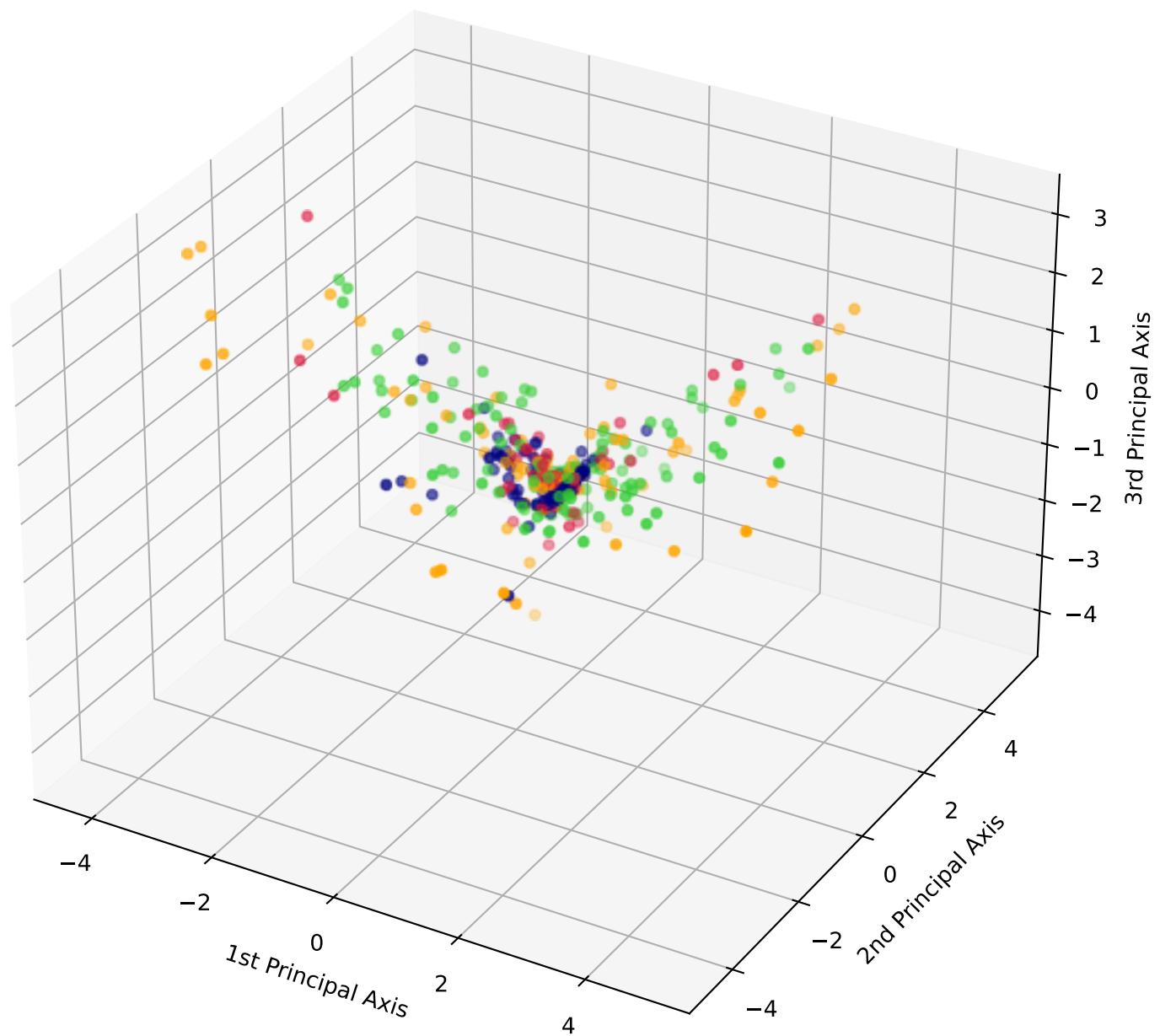


Angle 4

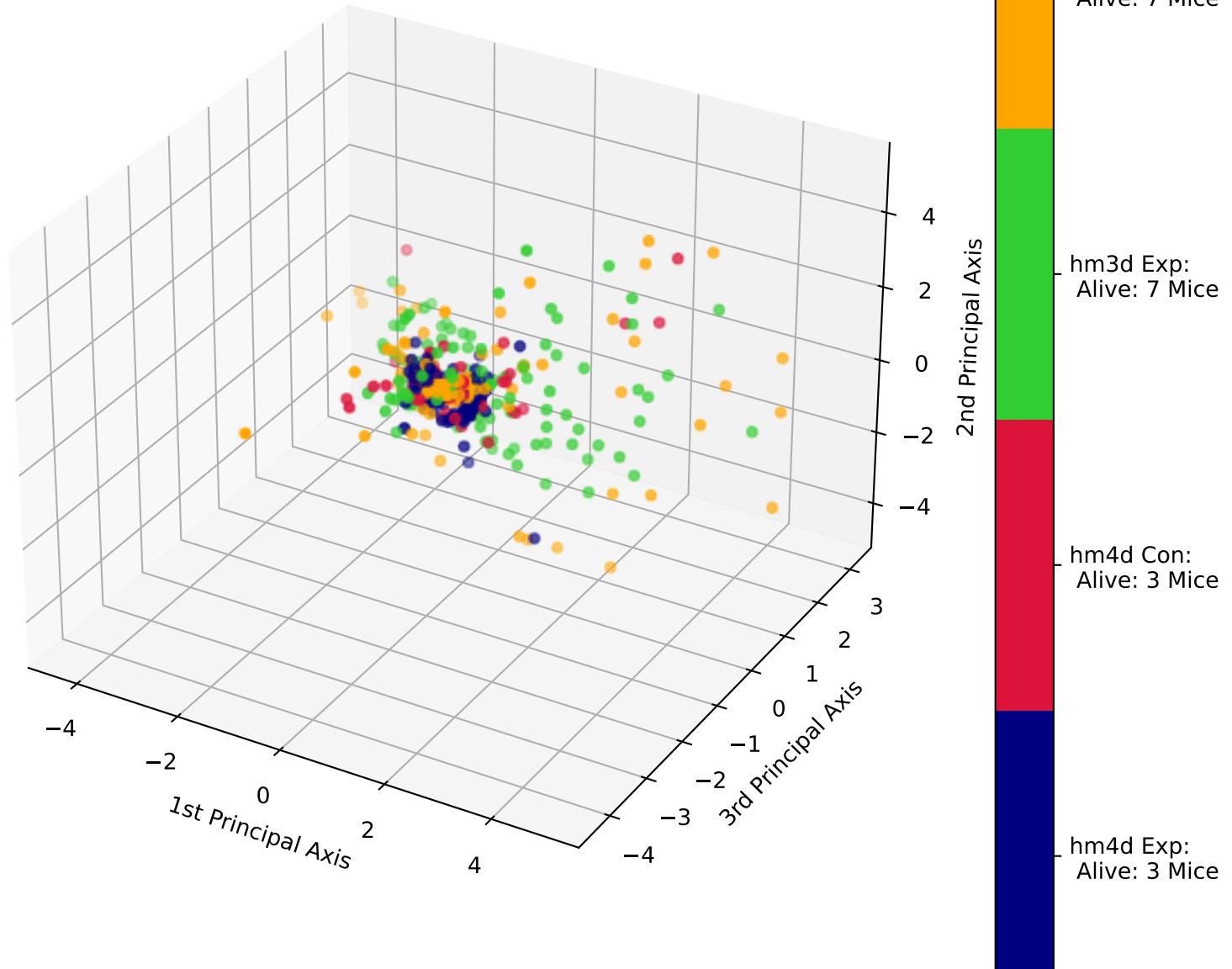


Trial Number: 2, Phase: First Gasp

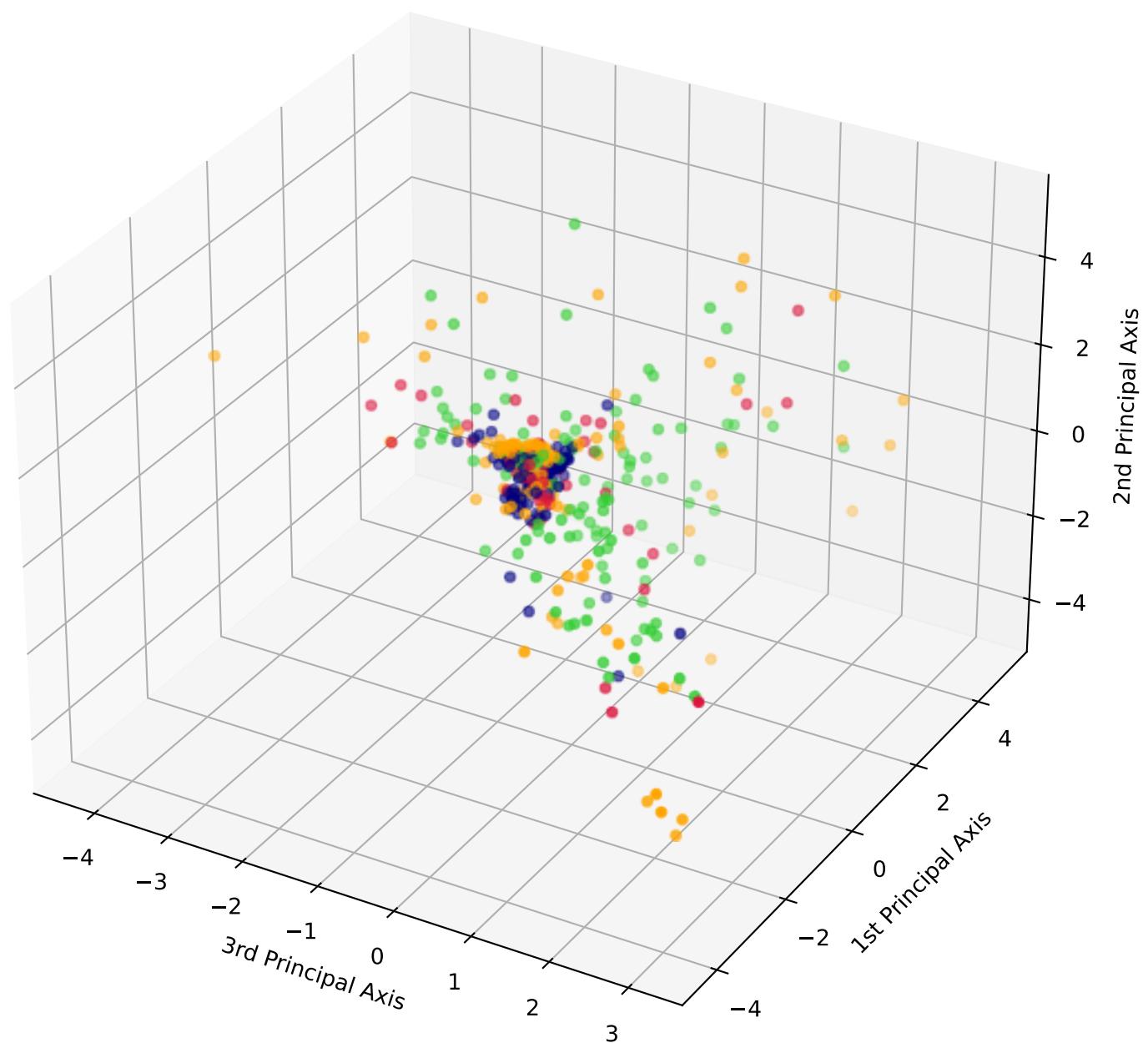
Angle 1



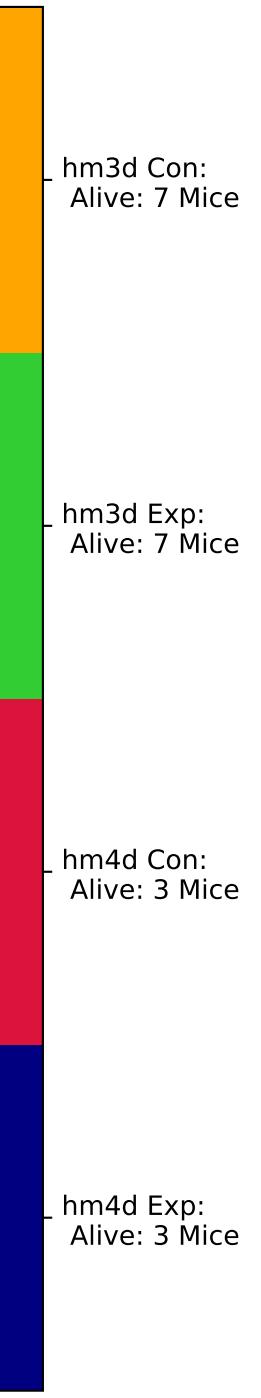
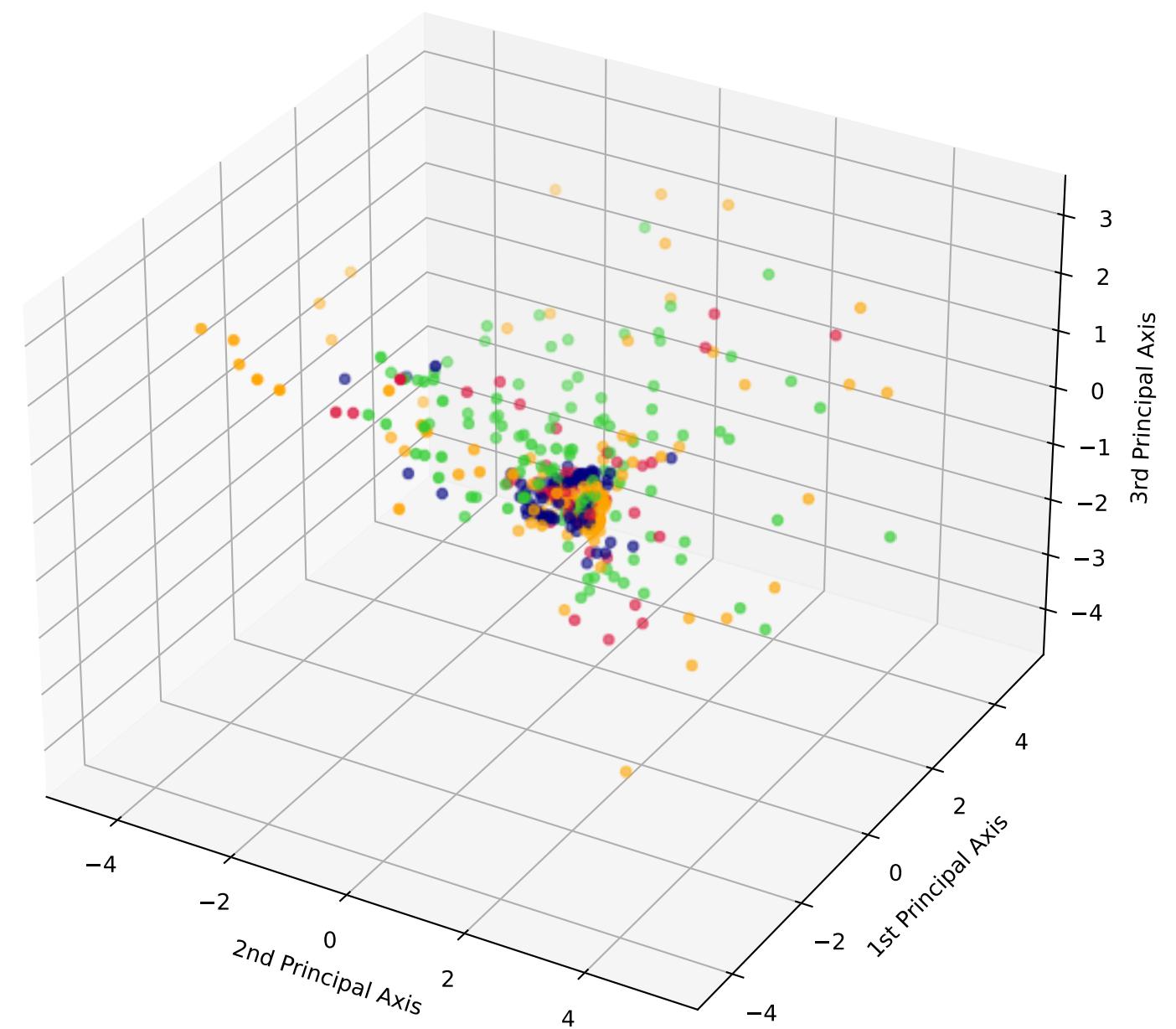
Angle 2



Angle 3

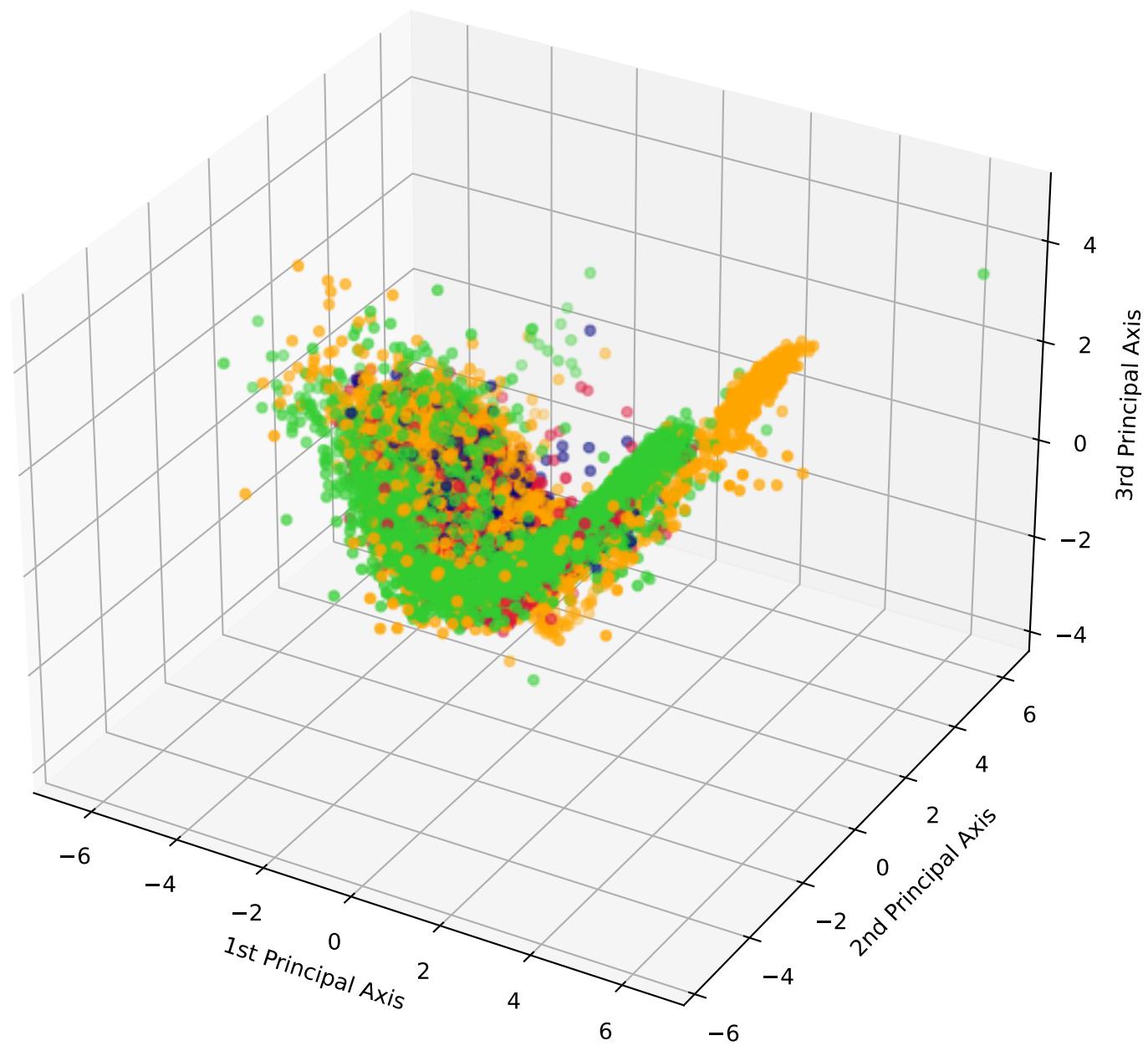


Angle 4

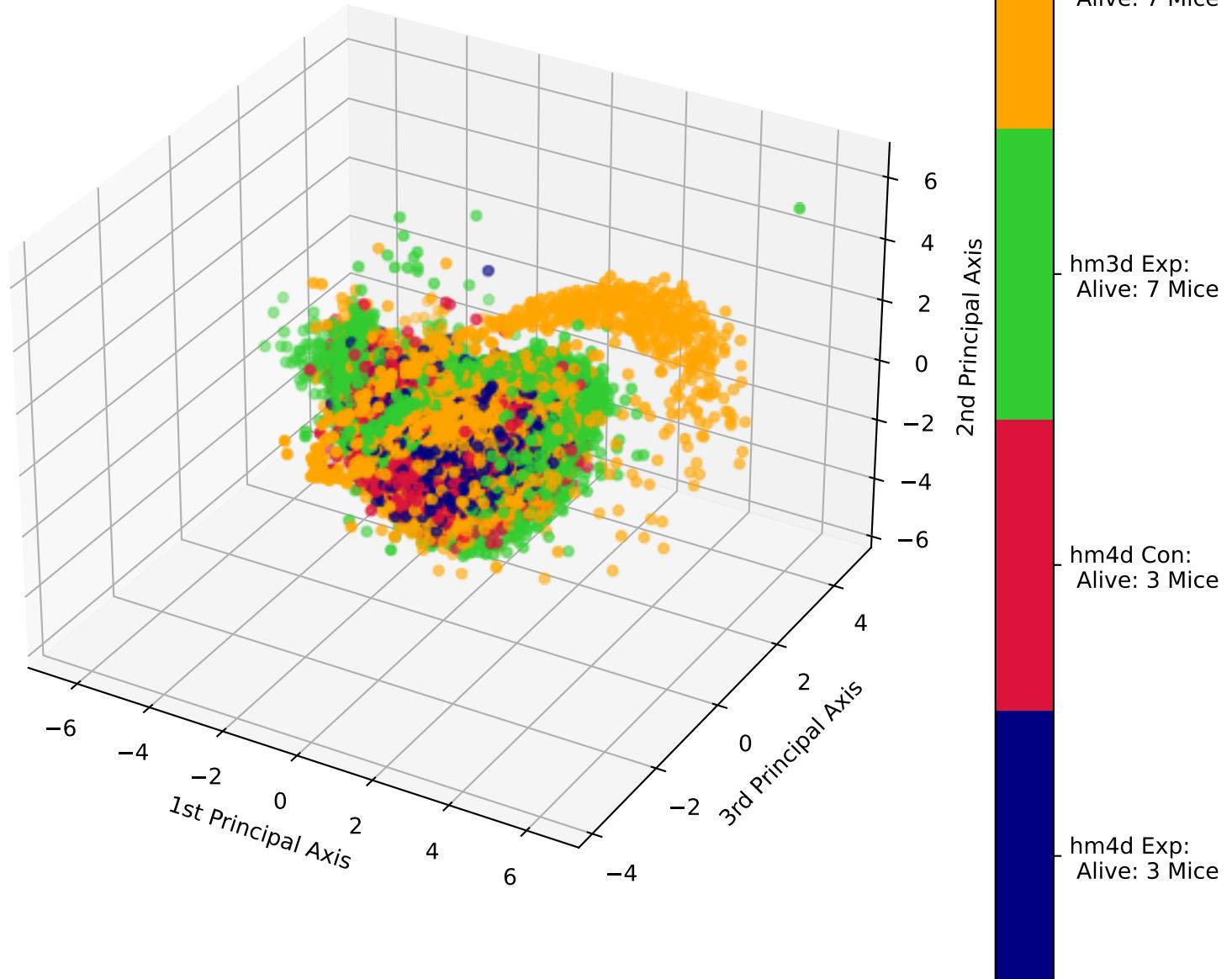


Trial Number: 2, Phase: Eupnea Recovery

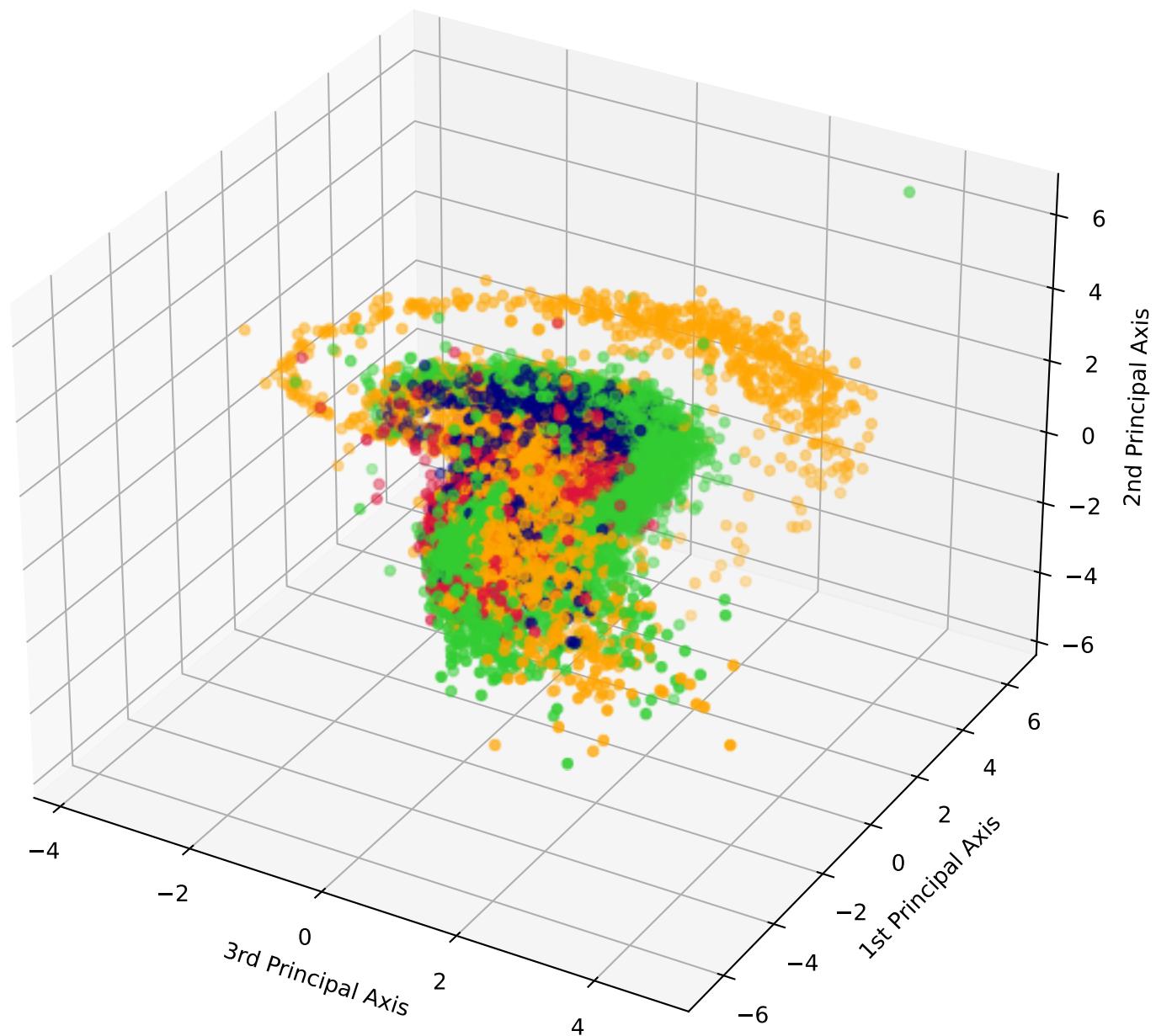
Angle 1



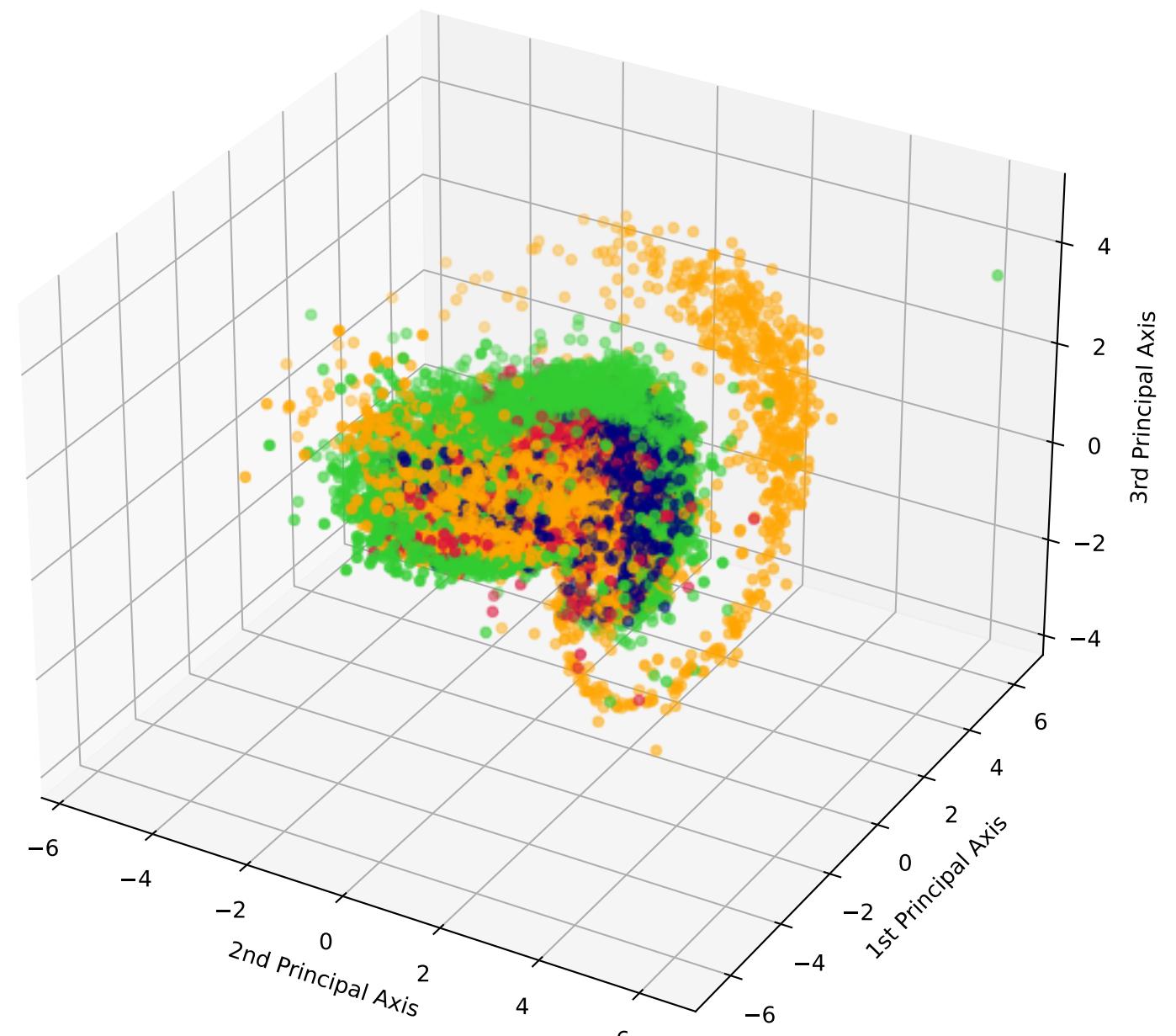
Angle 2



Angle 3

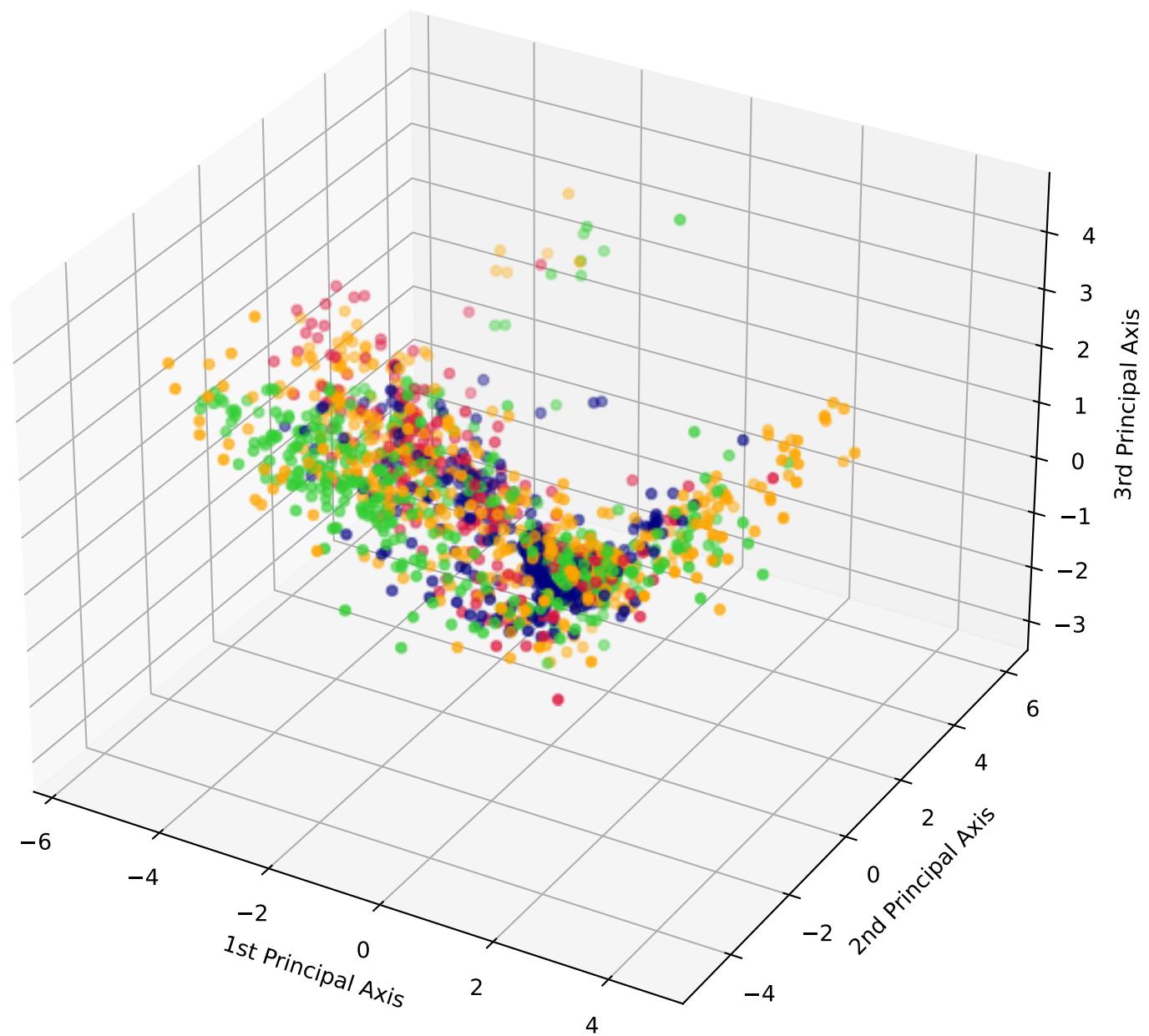


Angle 4

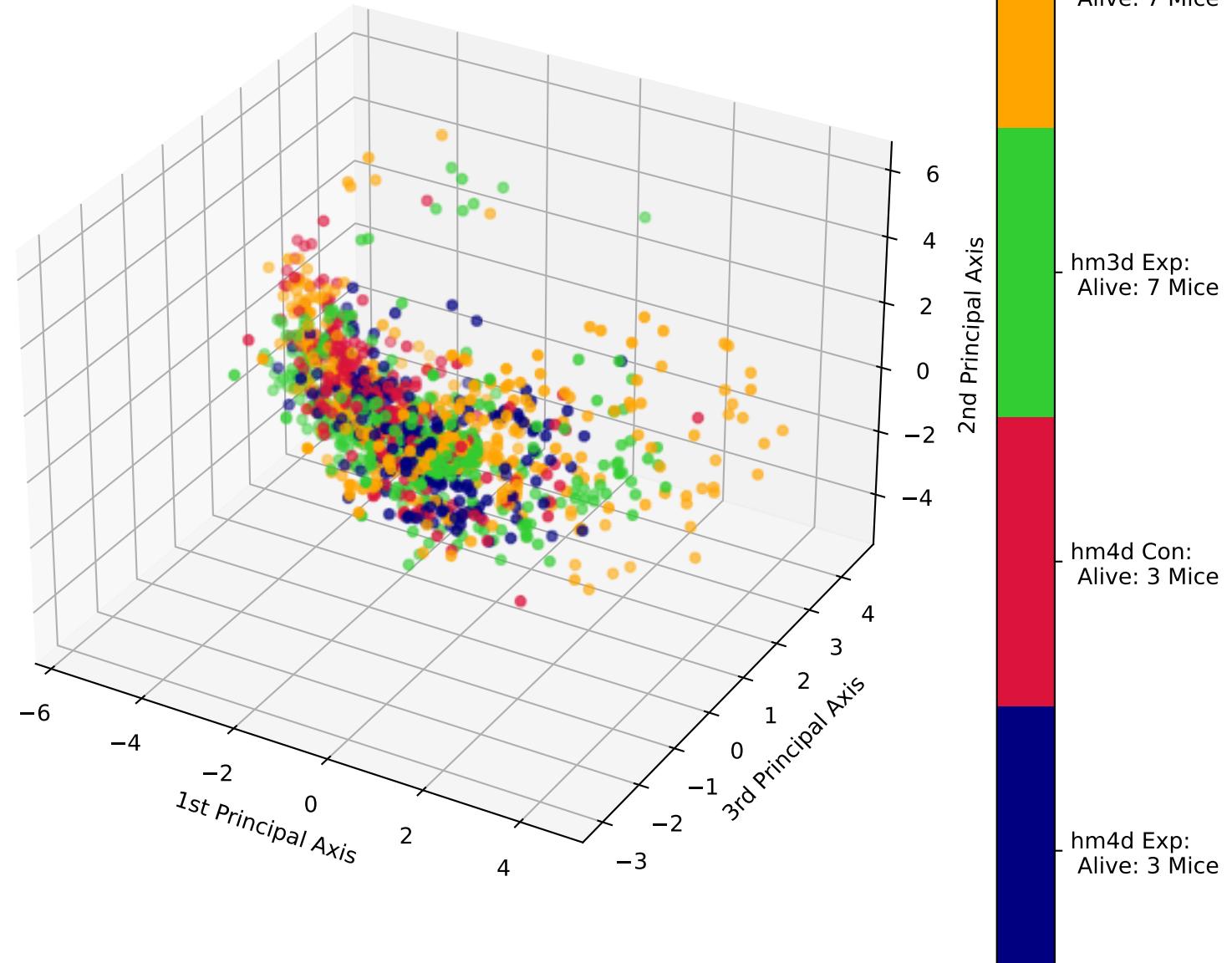


Trial Number: 3, Phase: Trial Onset

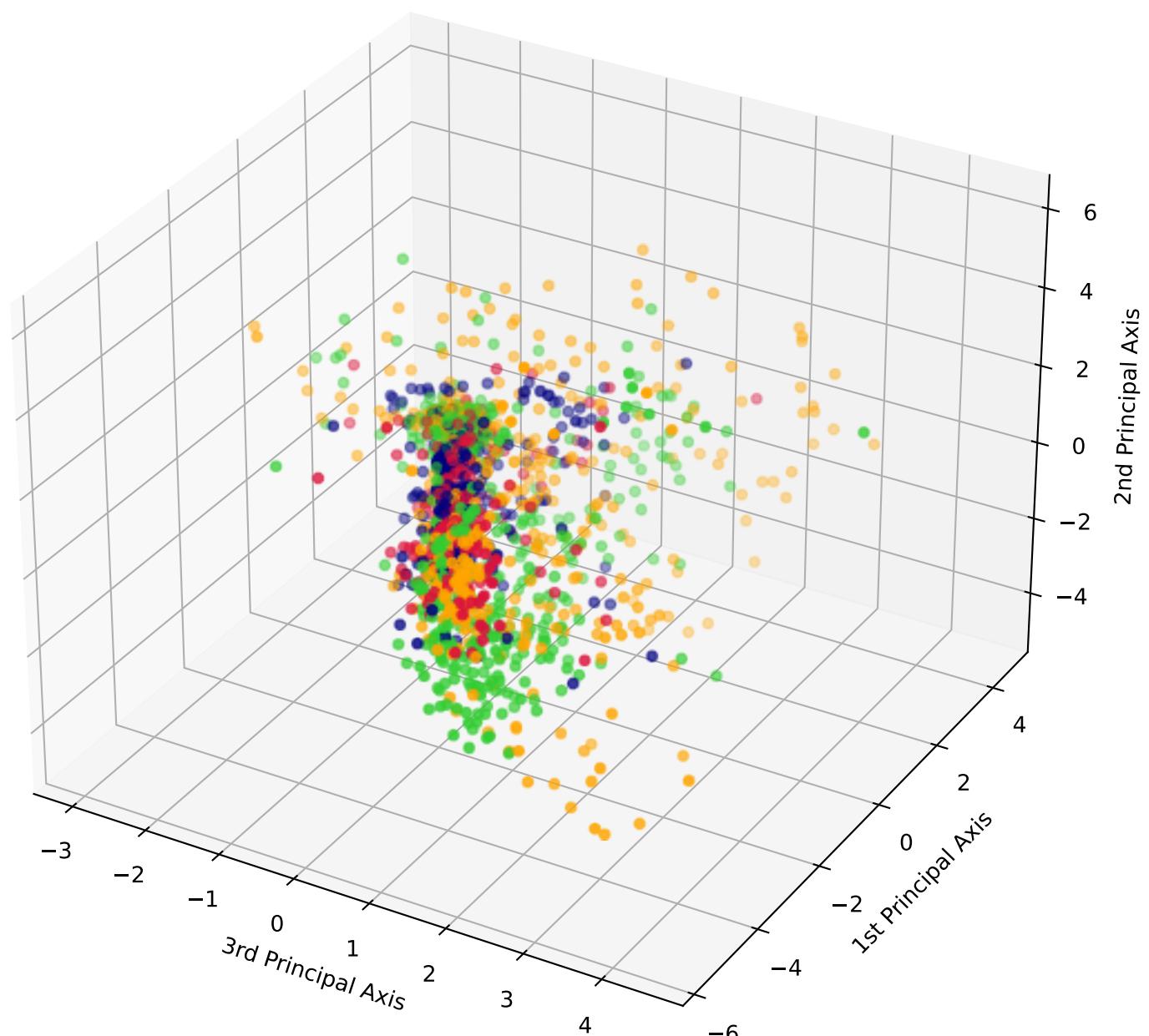
Angle 1



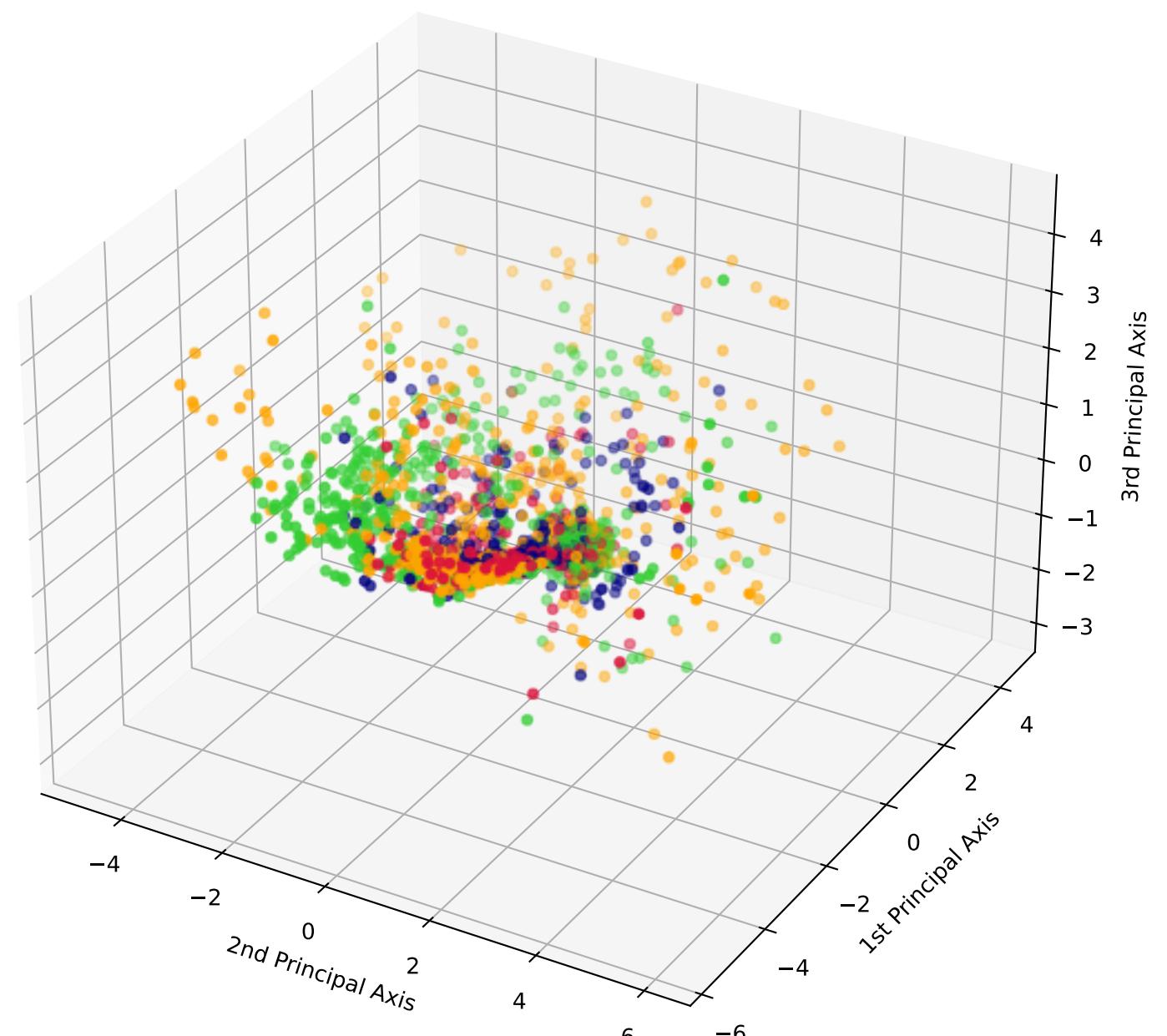
Angle 2



Angle 3

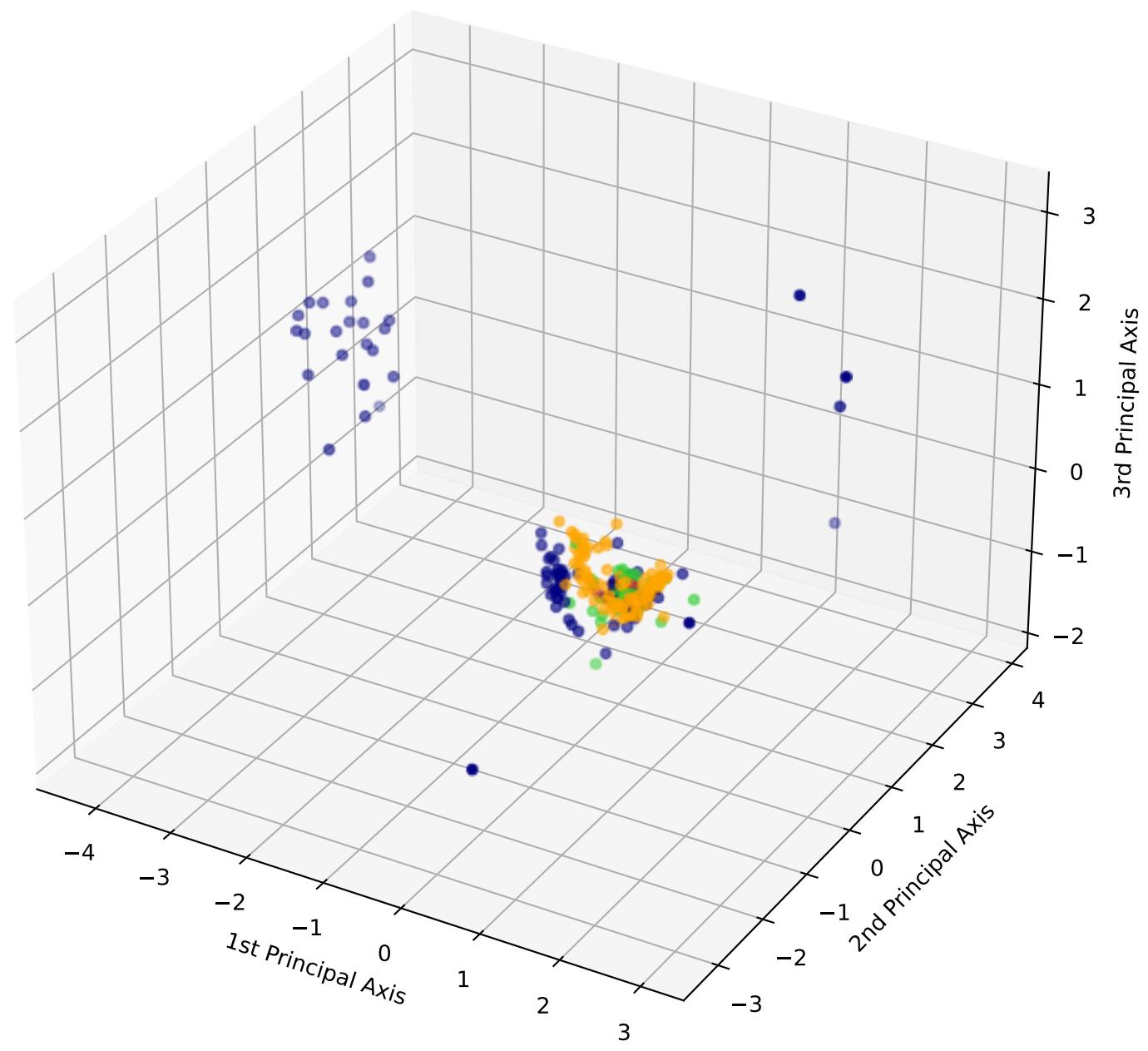


Angle 4

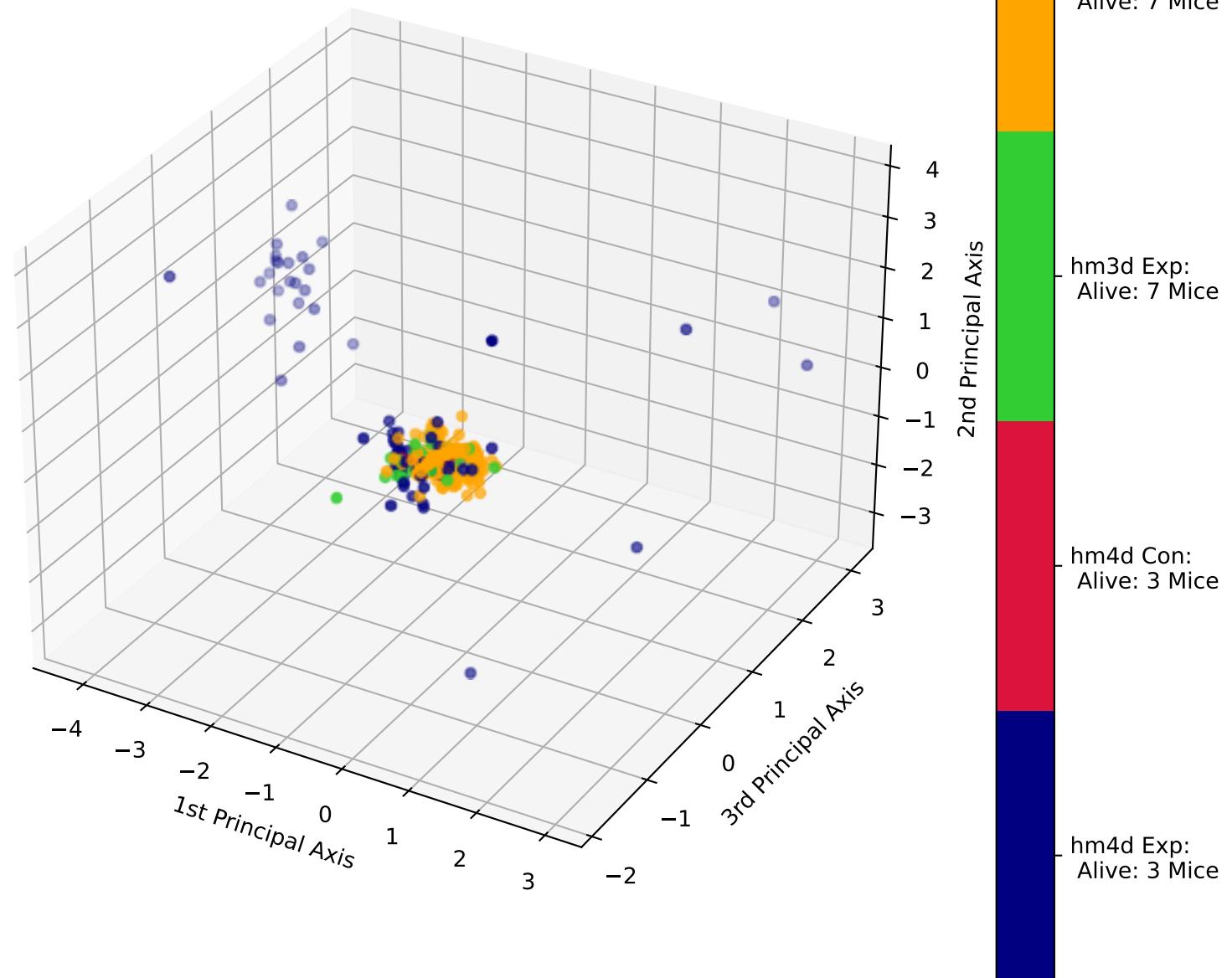


Trial Number: 3, Phase: Apnea Starts

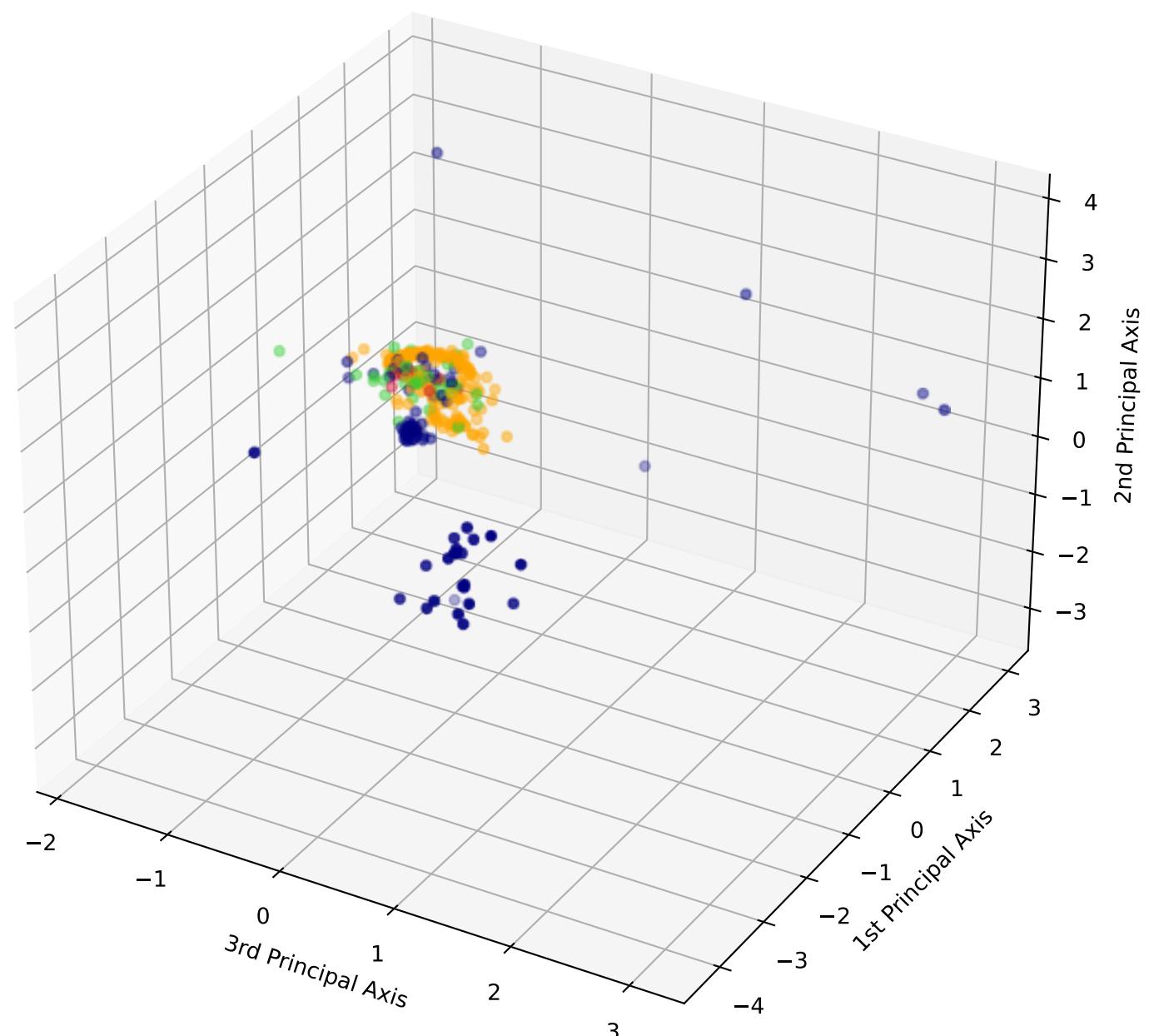
Angle 1



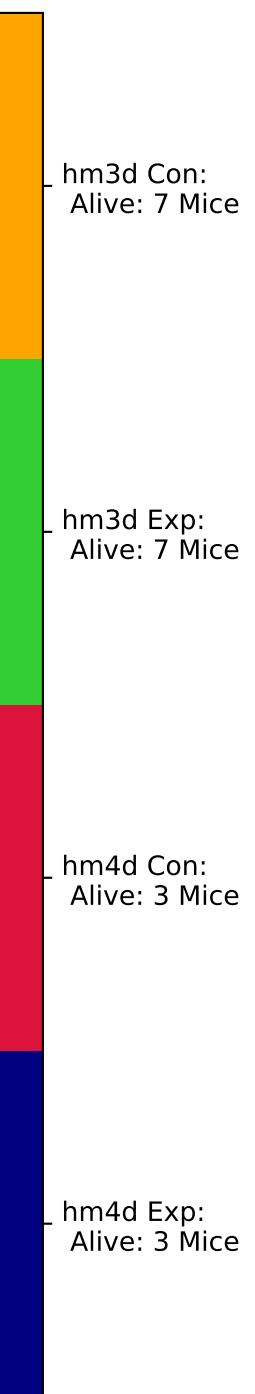
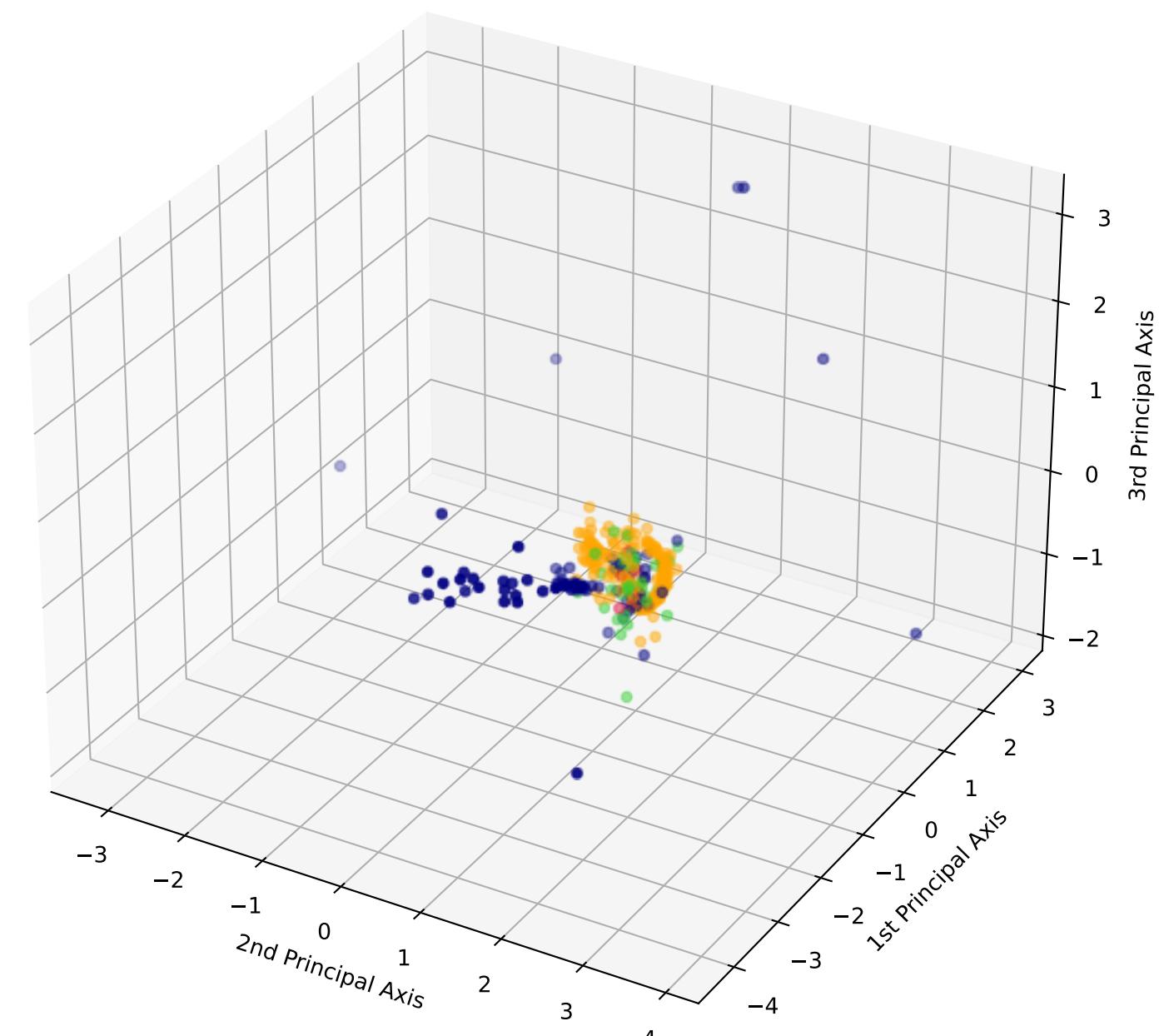
Angle 2



Angle 3

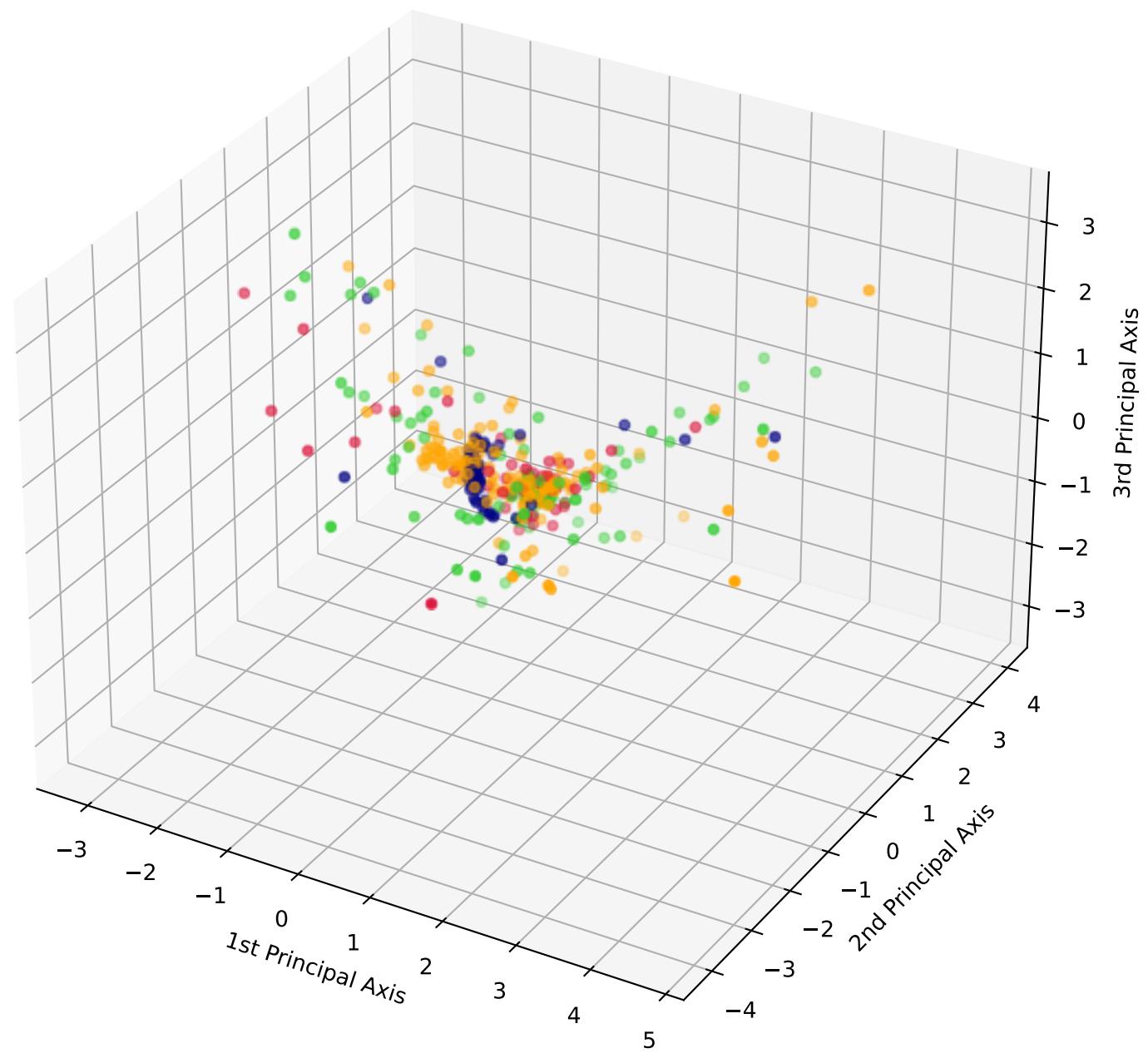


Angle 4

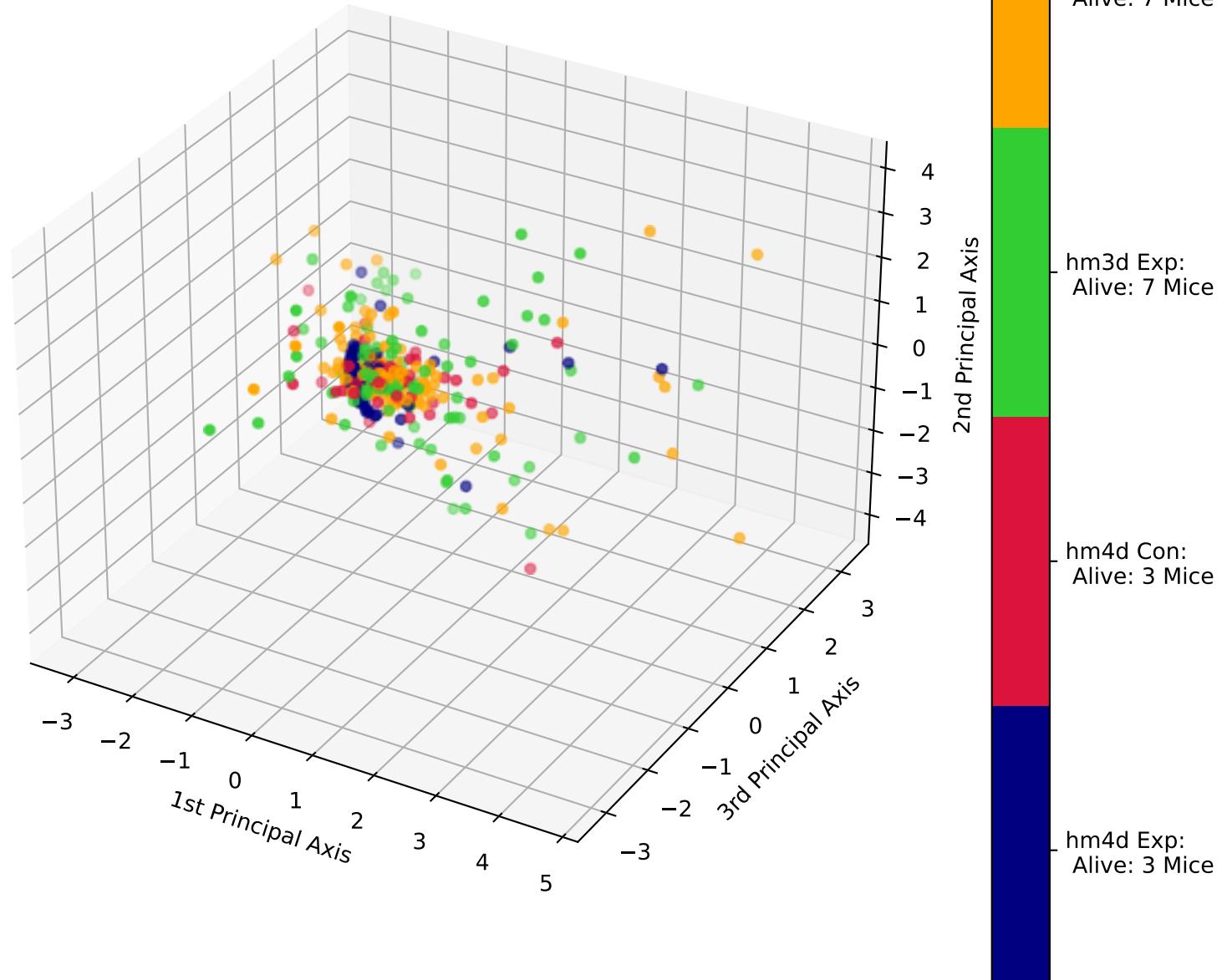


Trial Number: 3, Phase: First Gasp

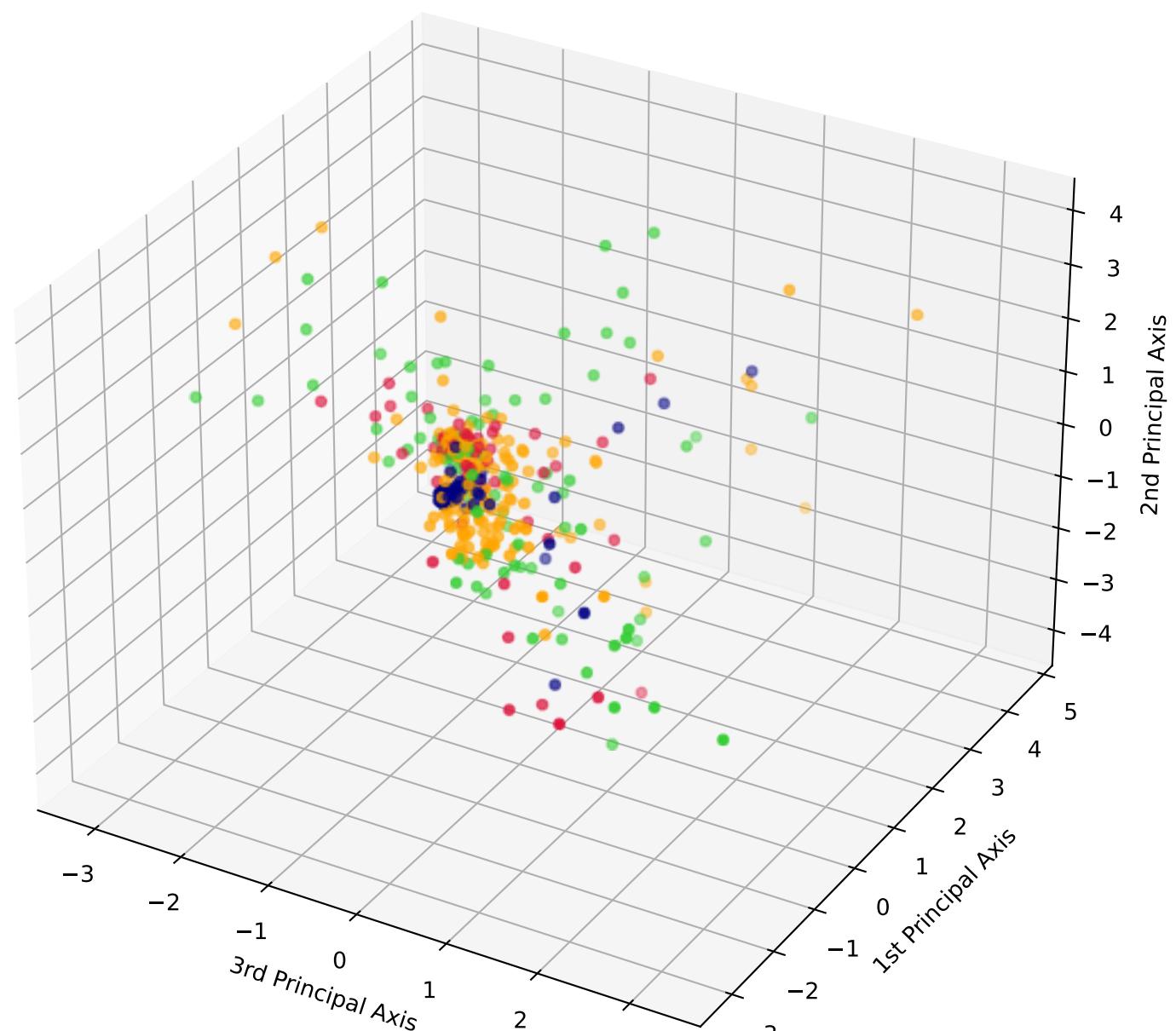
Angle 1



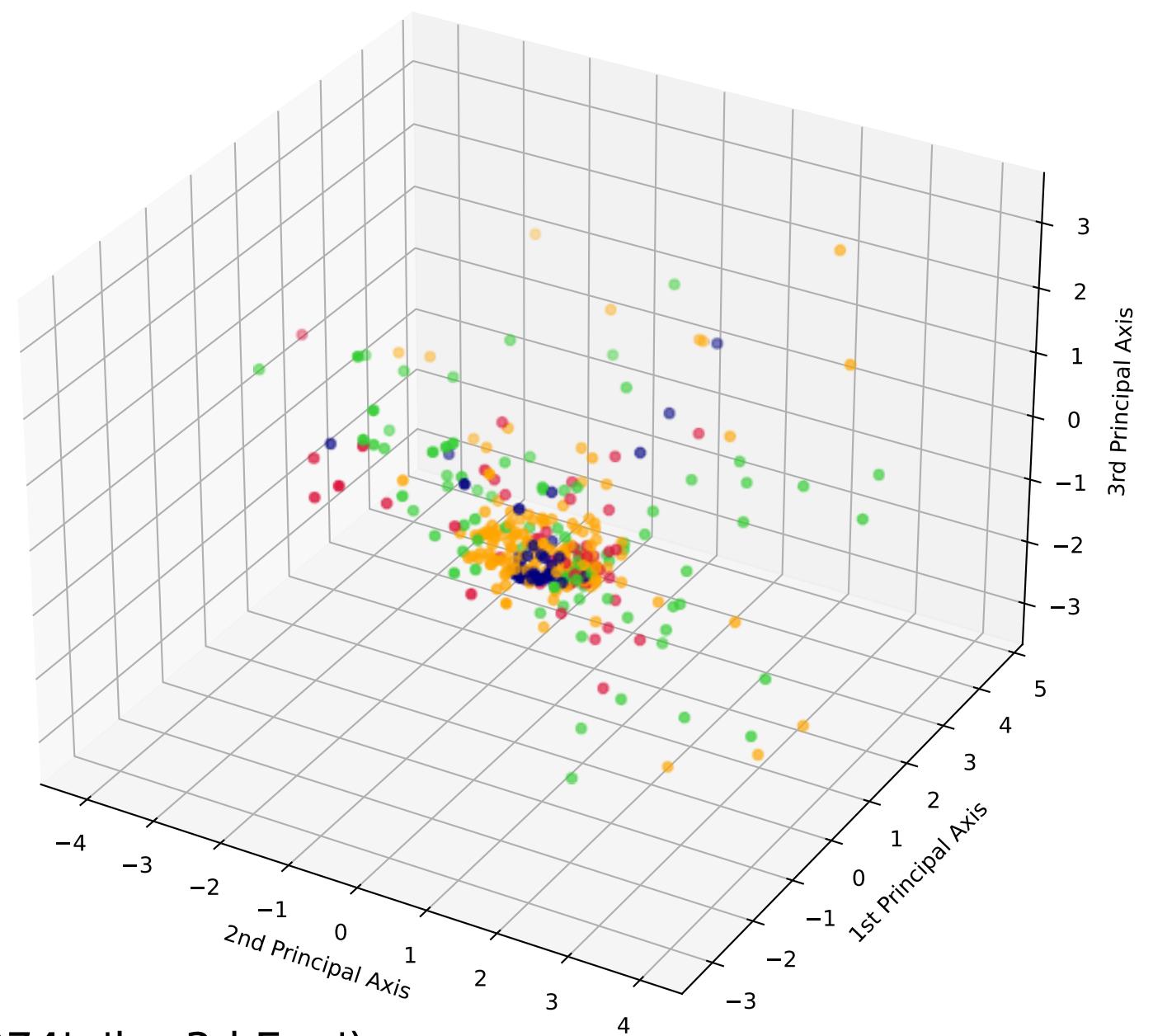
Angle 2



Angle 3



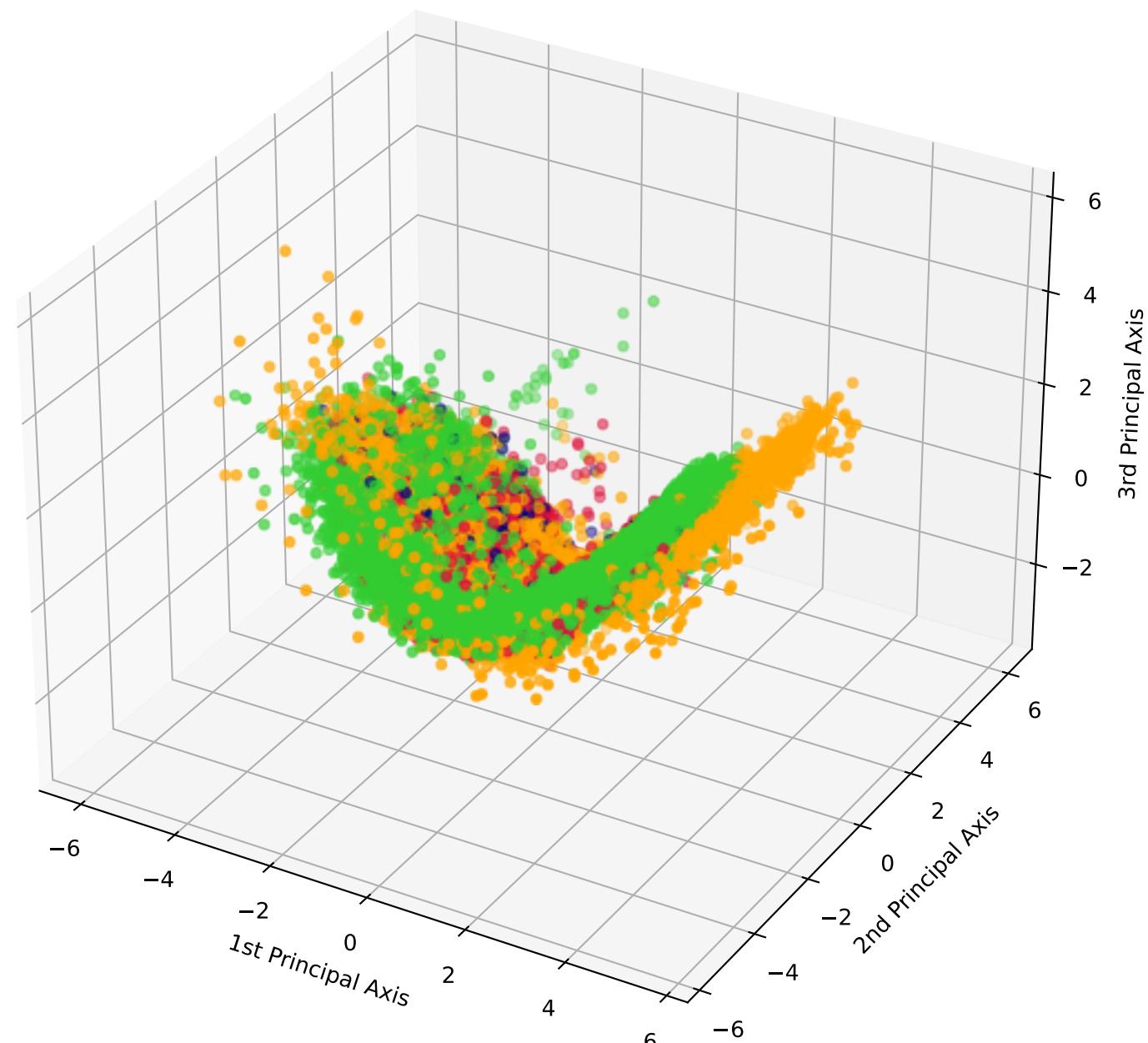
Angle 4



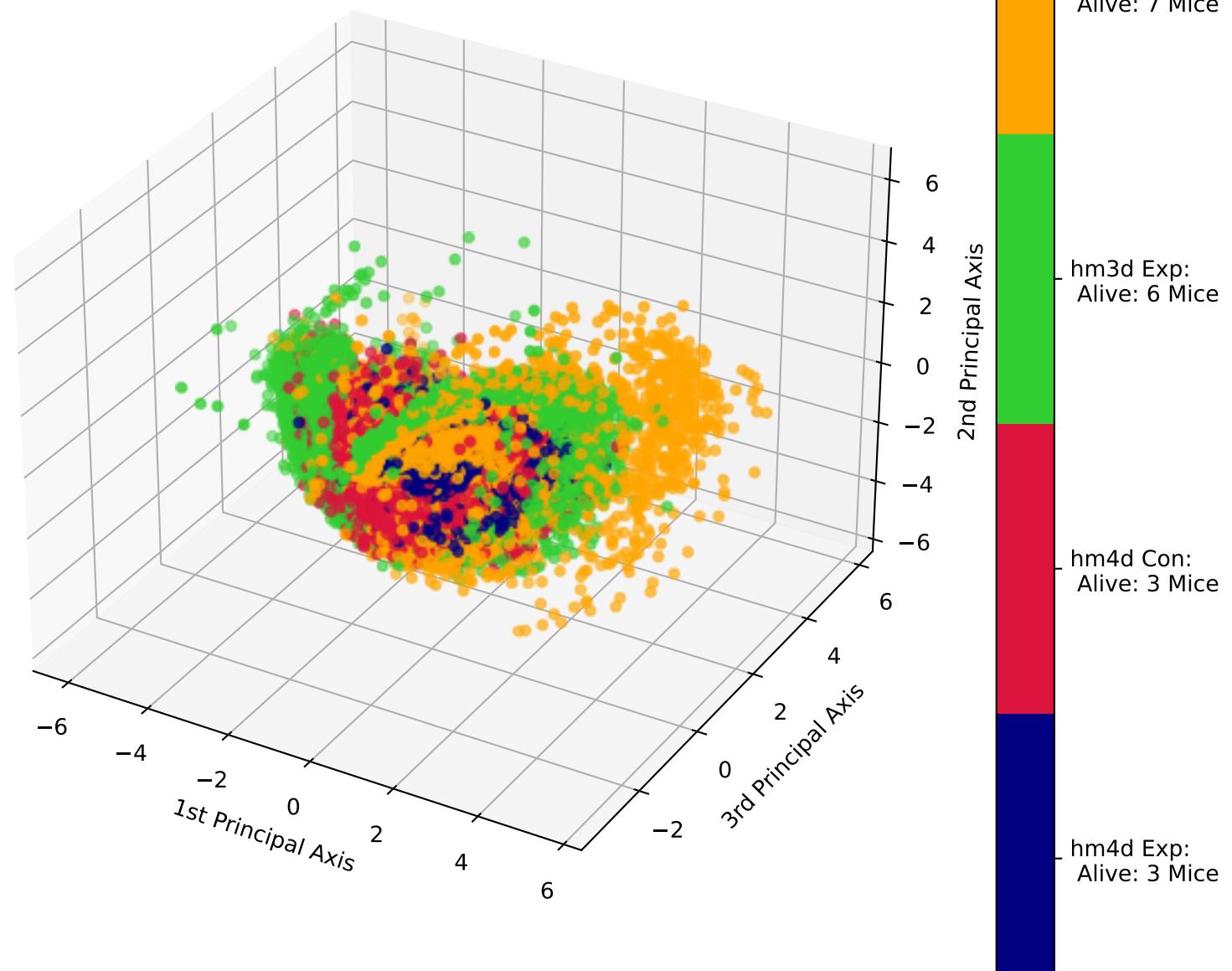
Mice Expired: ('M20874', 'hm3d Exp')

Trial Number: 3, Phase: Eupnea Recovery

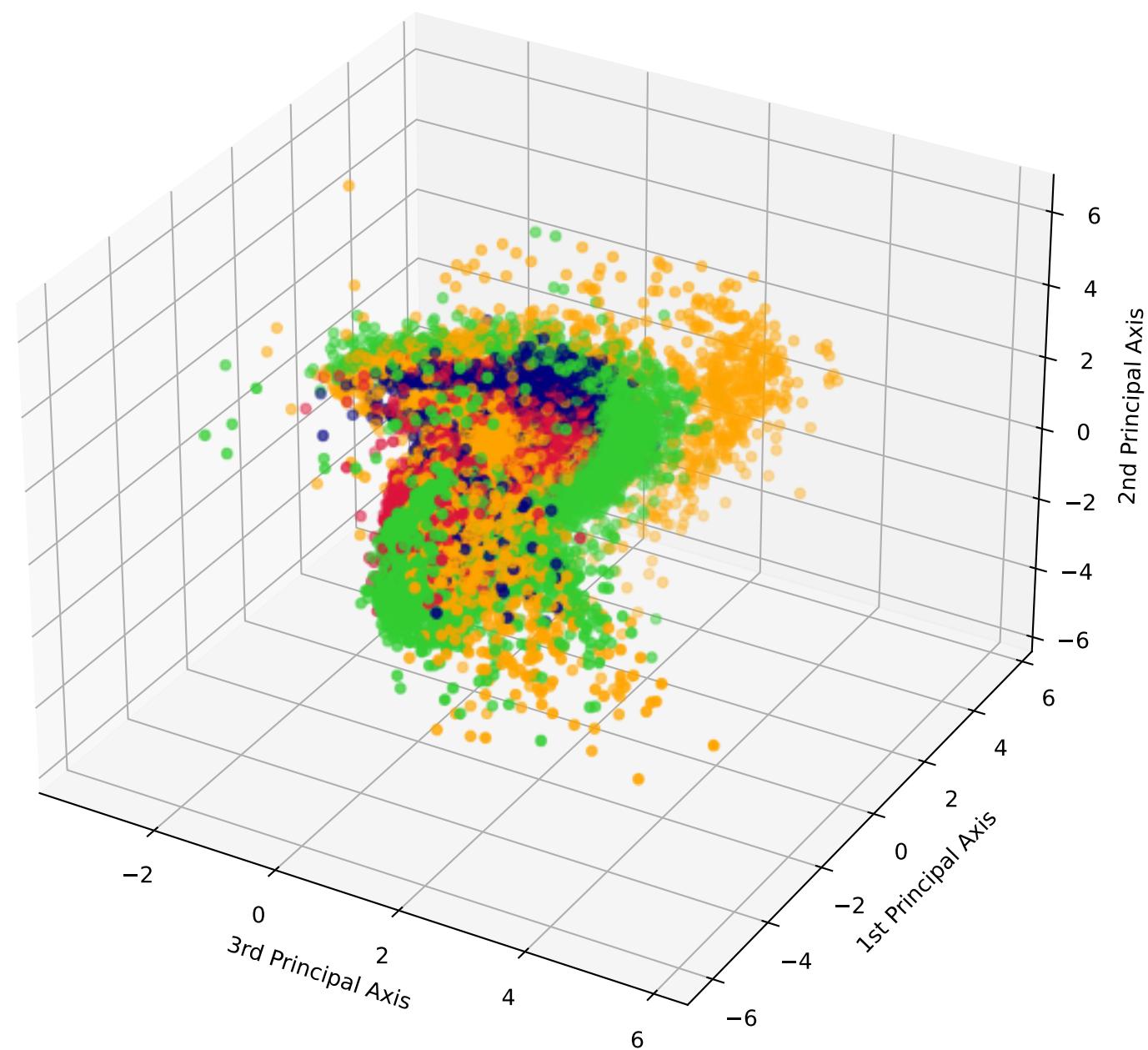
Angle 1



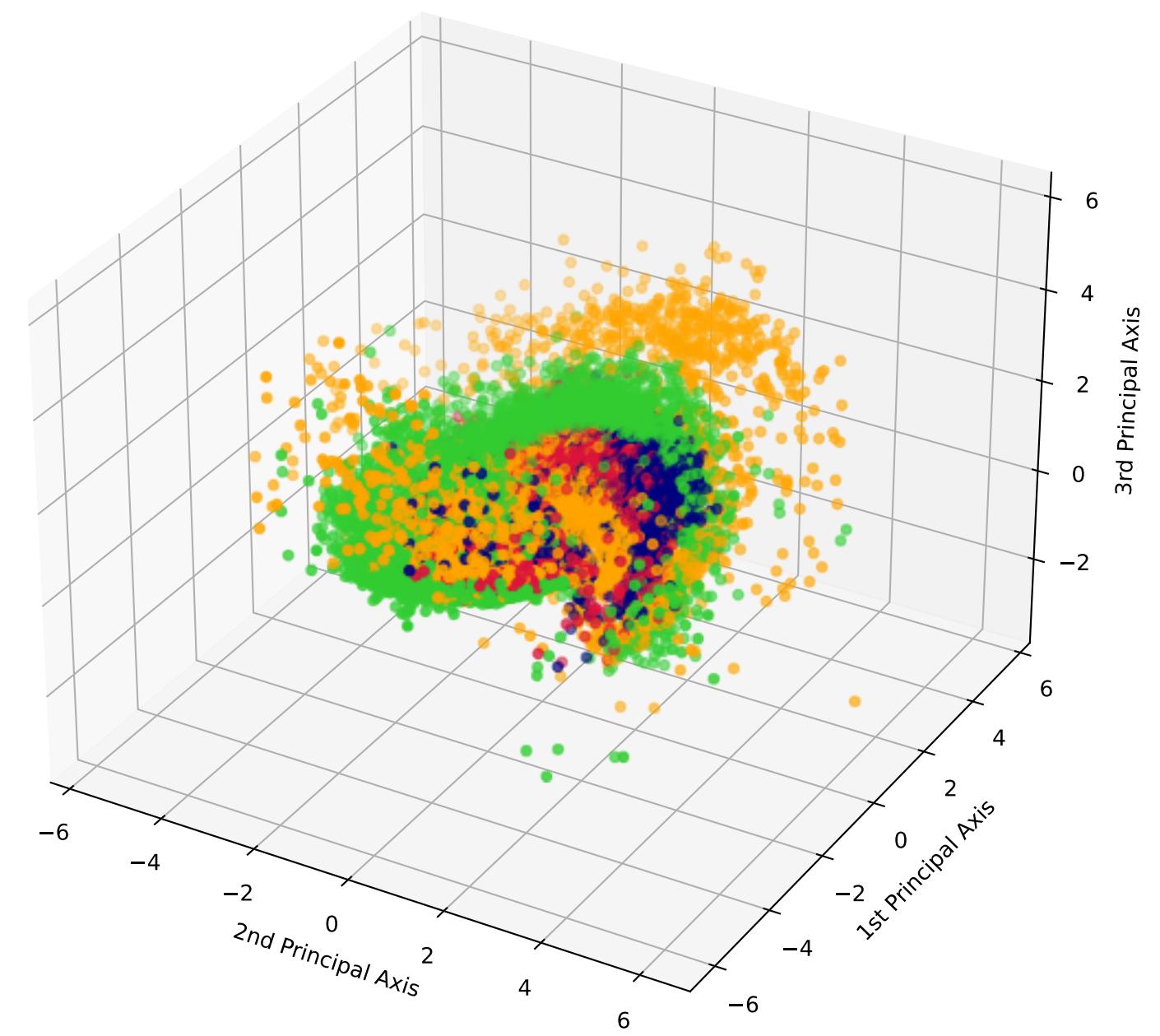
Angle 2



Angle 3

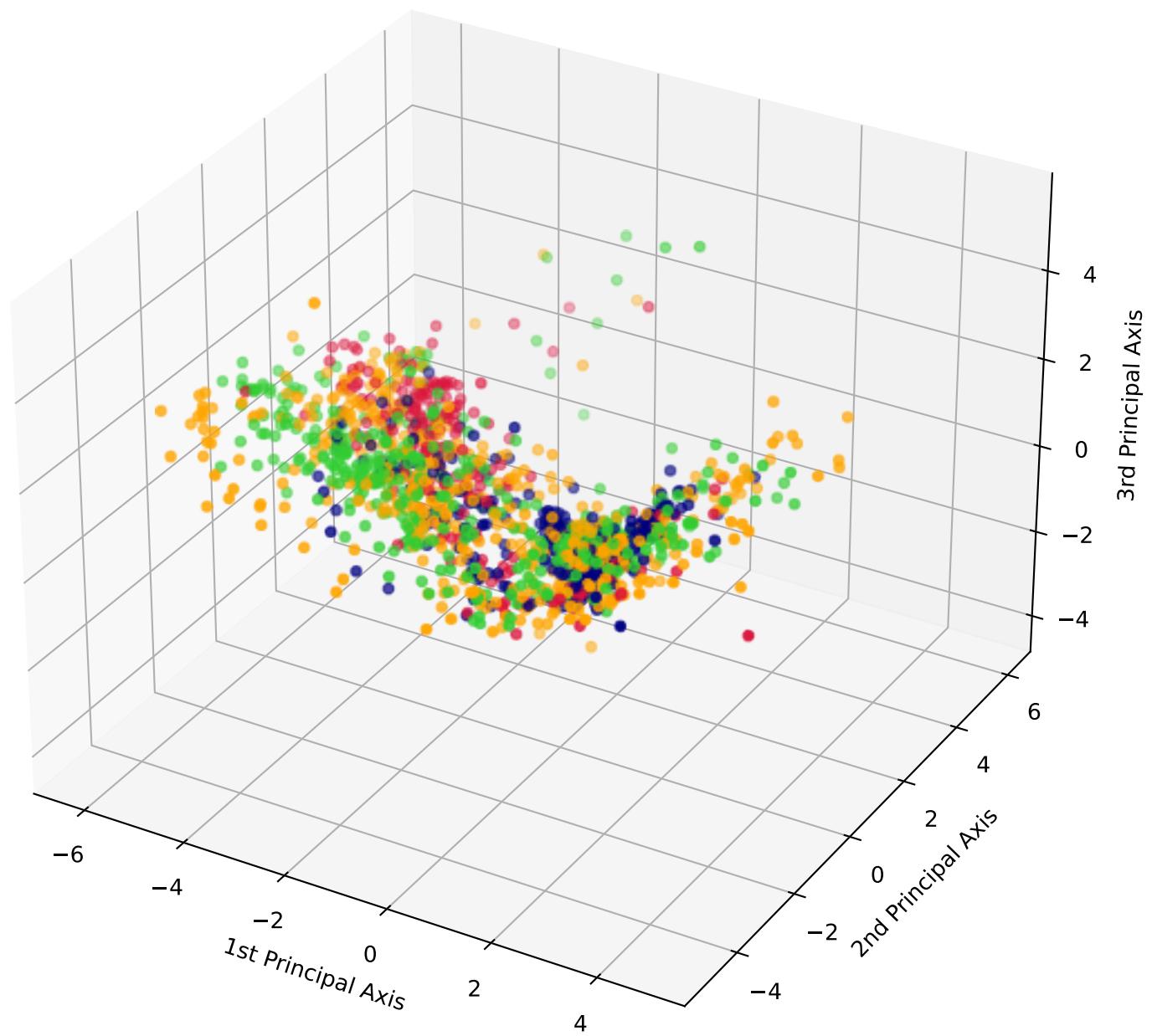


Angle 4

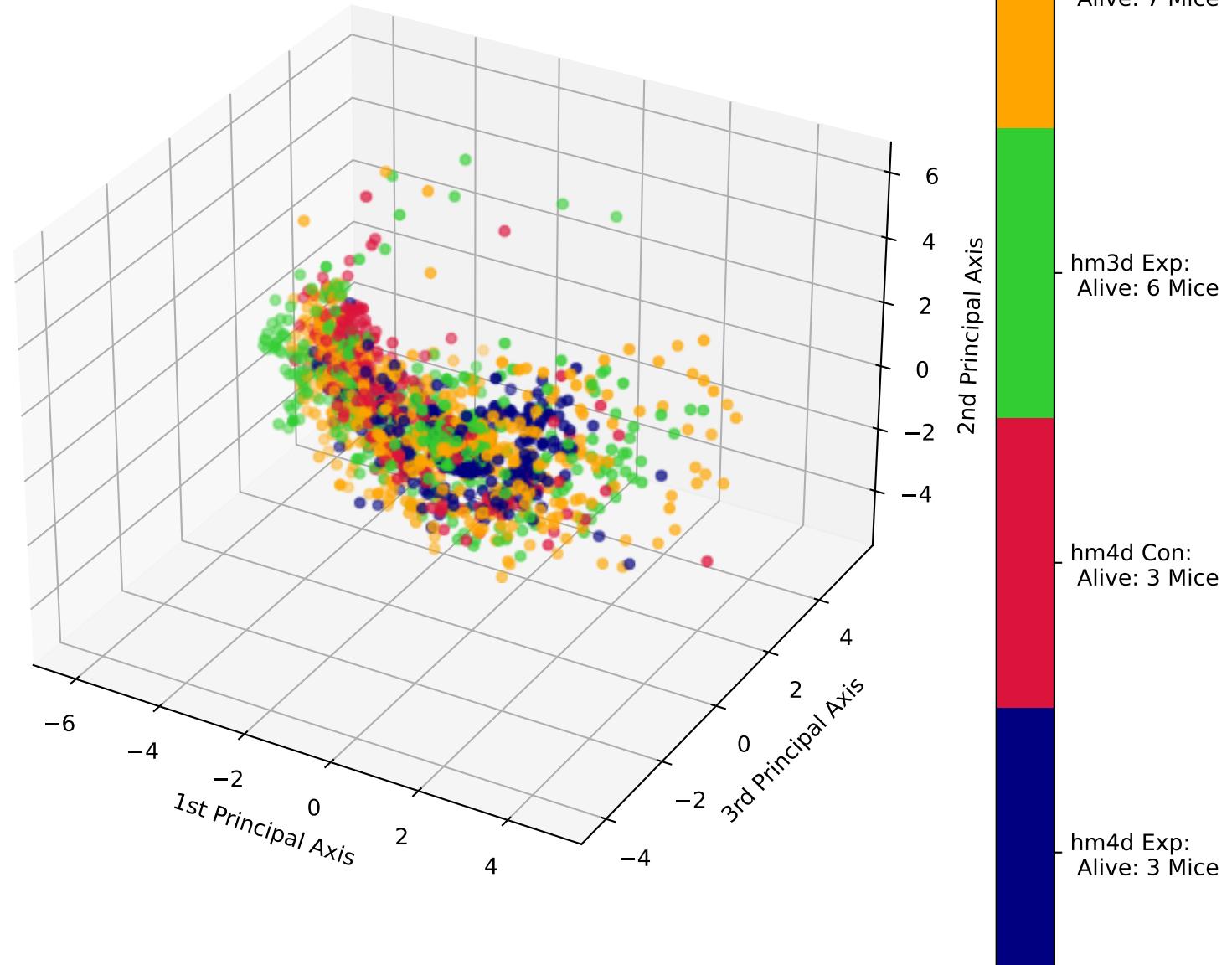


Trial Number: 4, Phase: Trial Onset

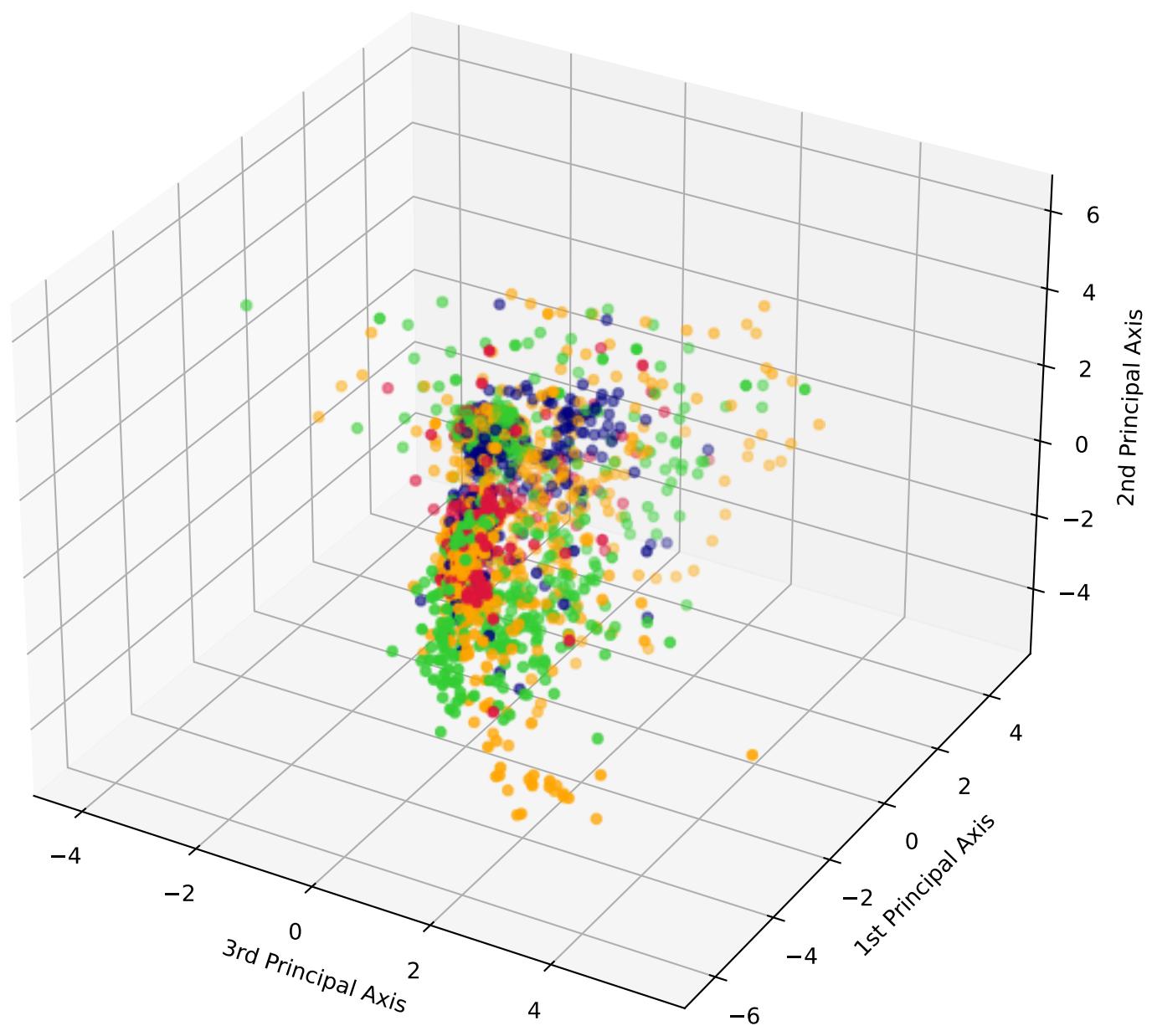
Angle 1



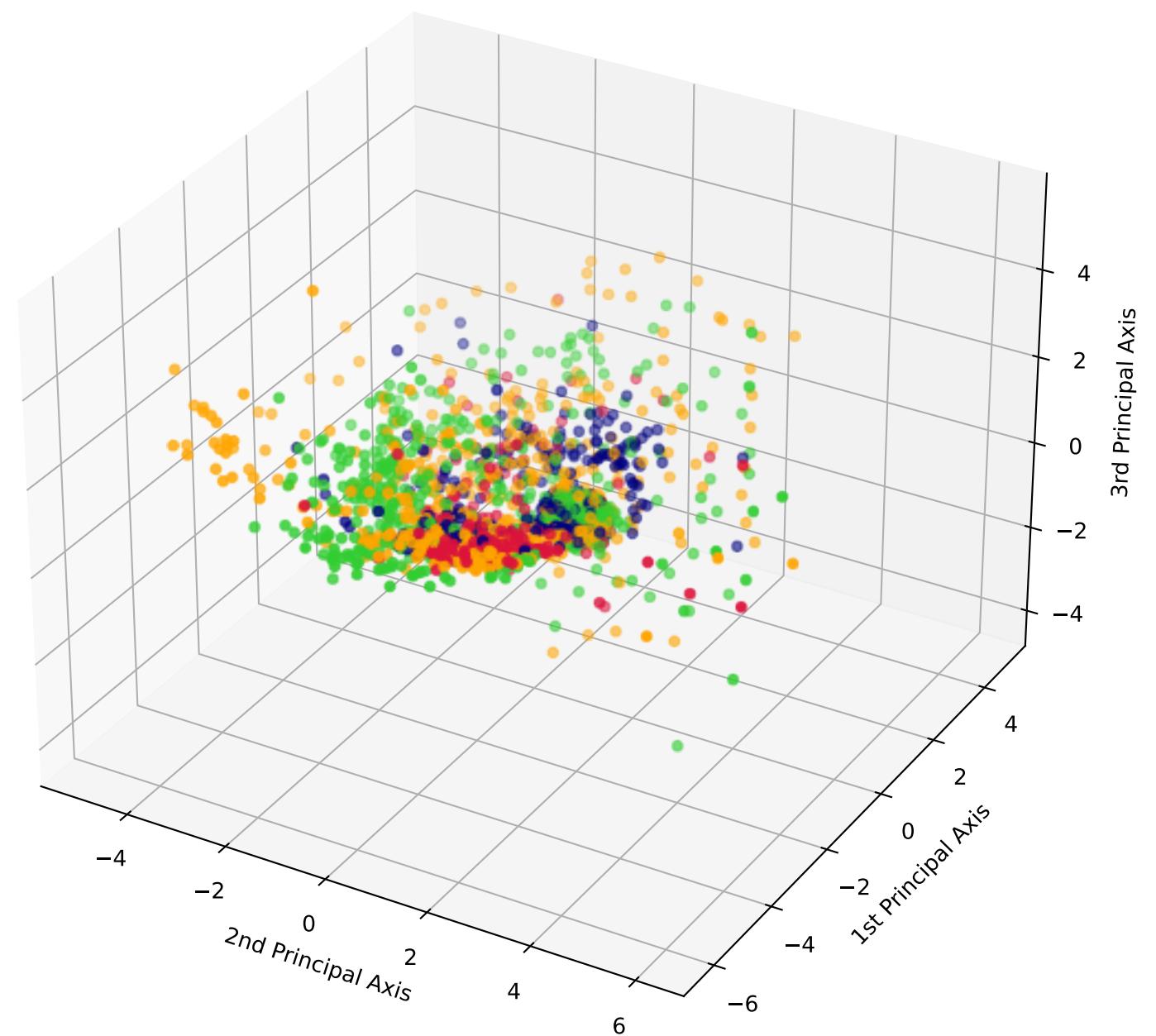
Angle 2



Angle 3

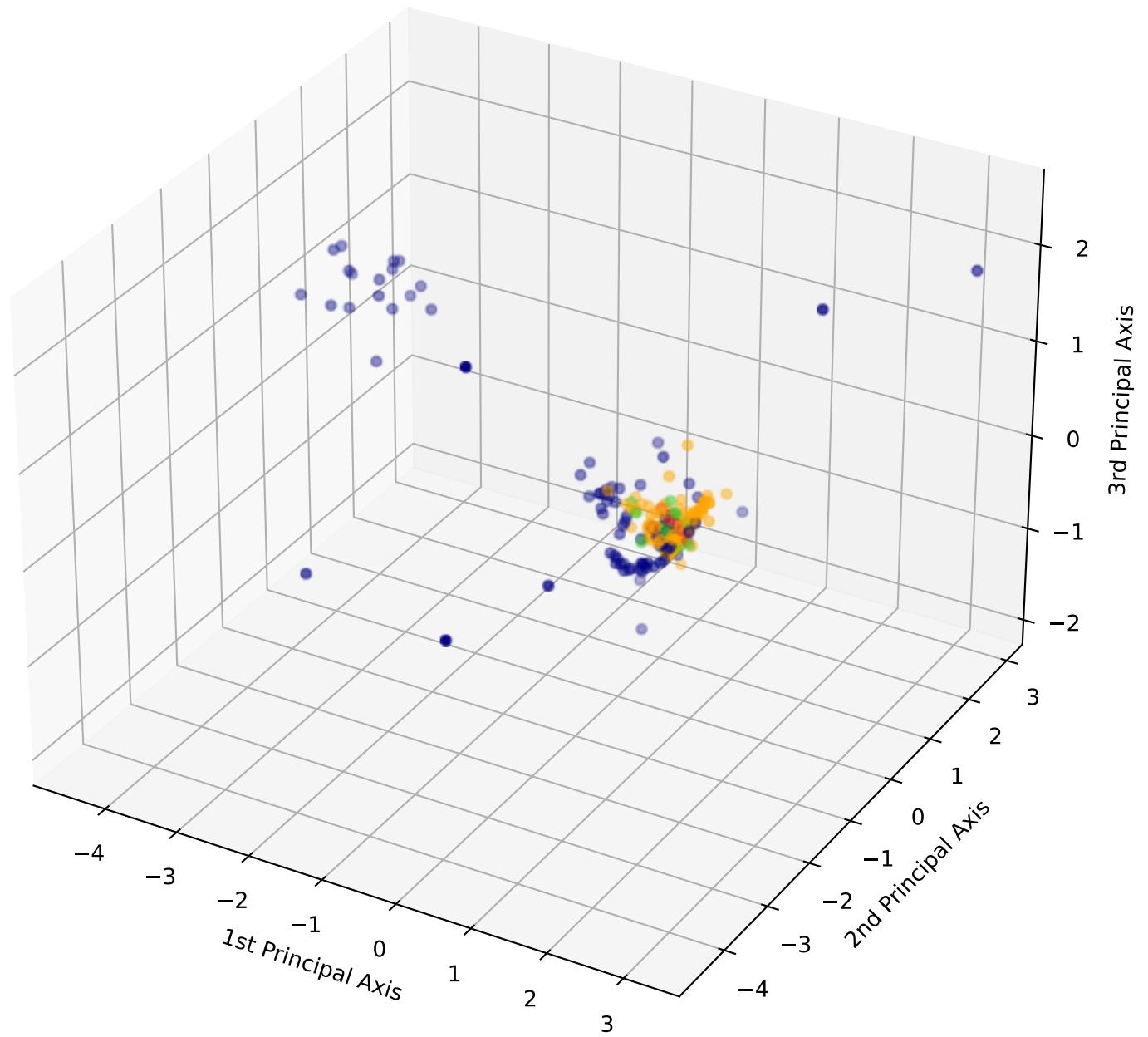


Angle 4

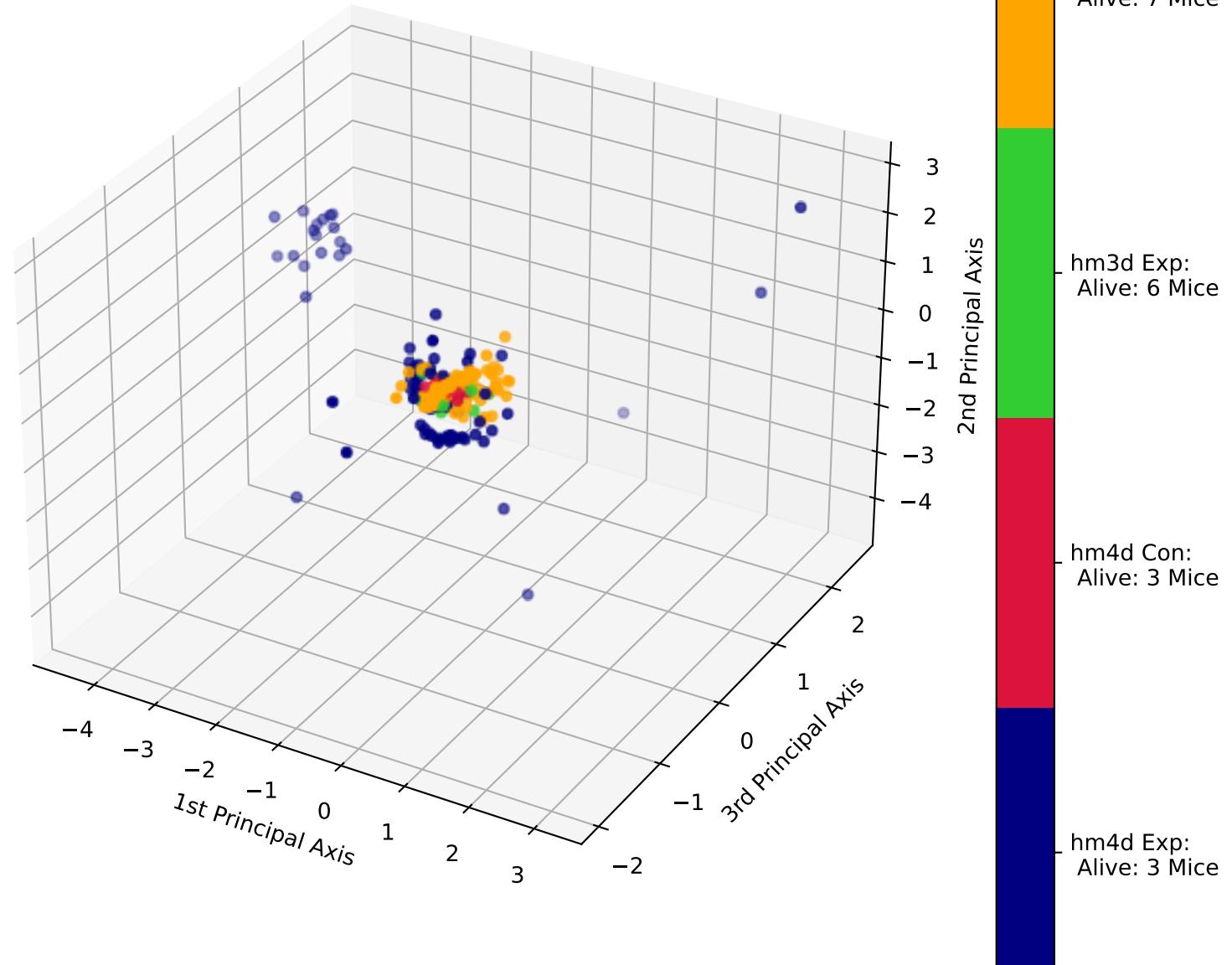


Trial Number: 4, Phase: Apnea Starts

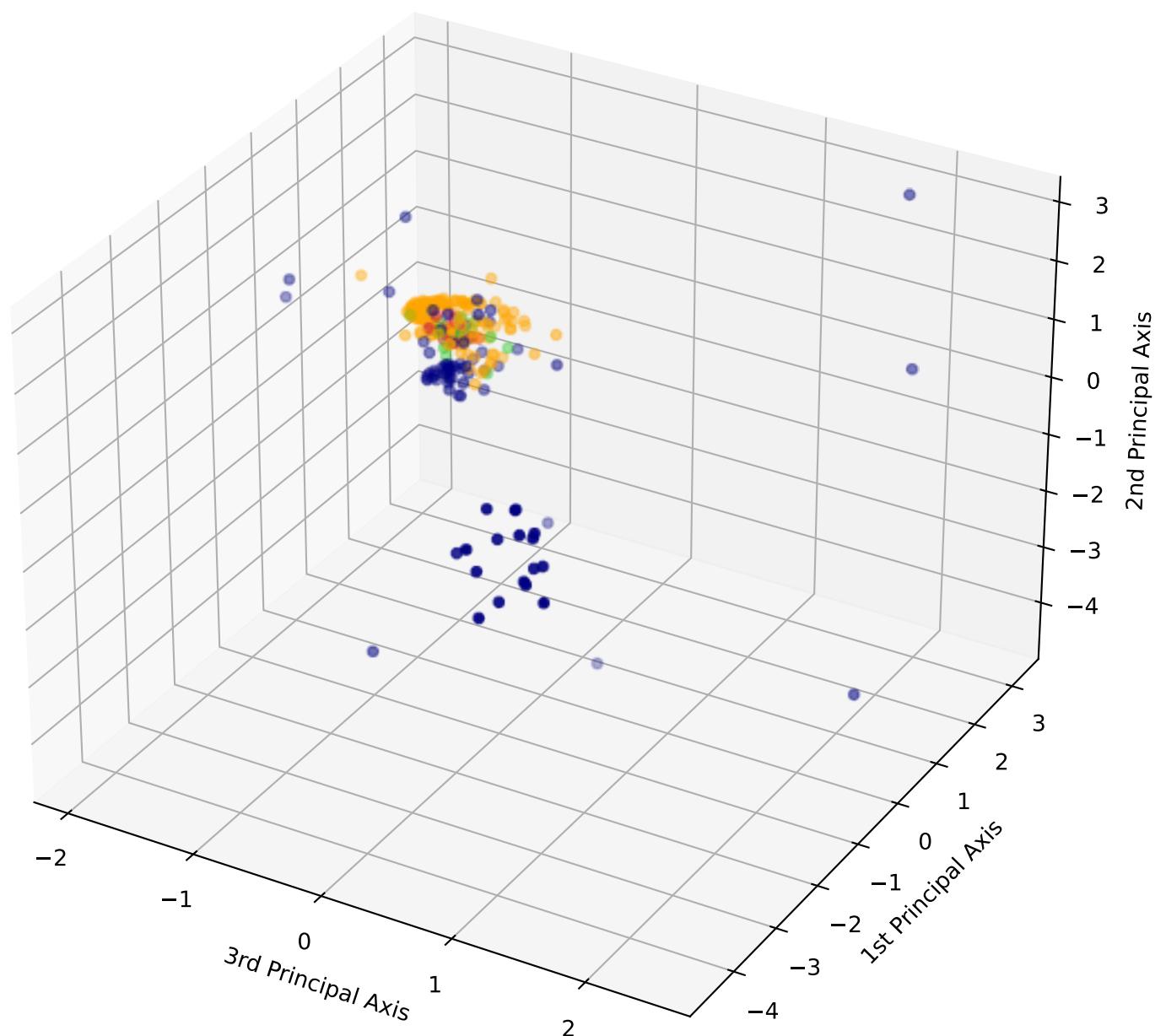
Angle 1



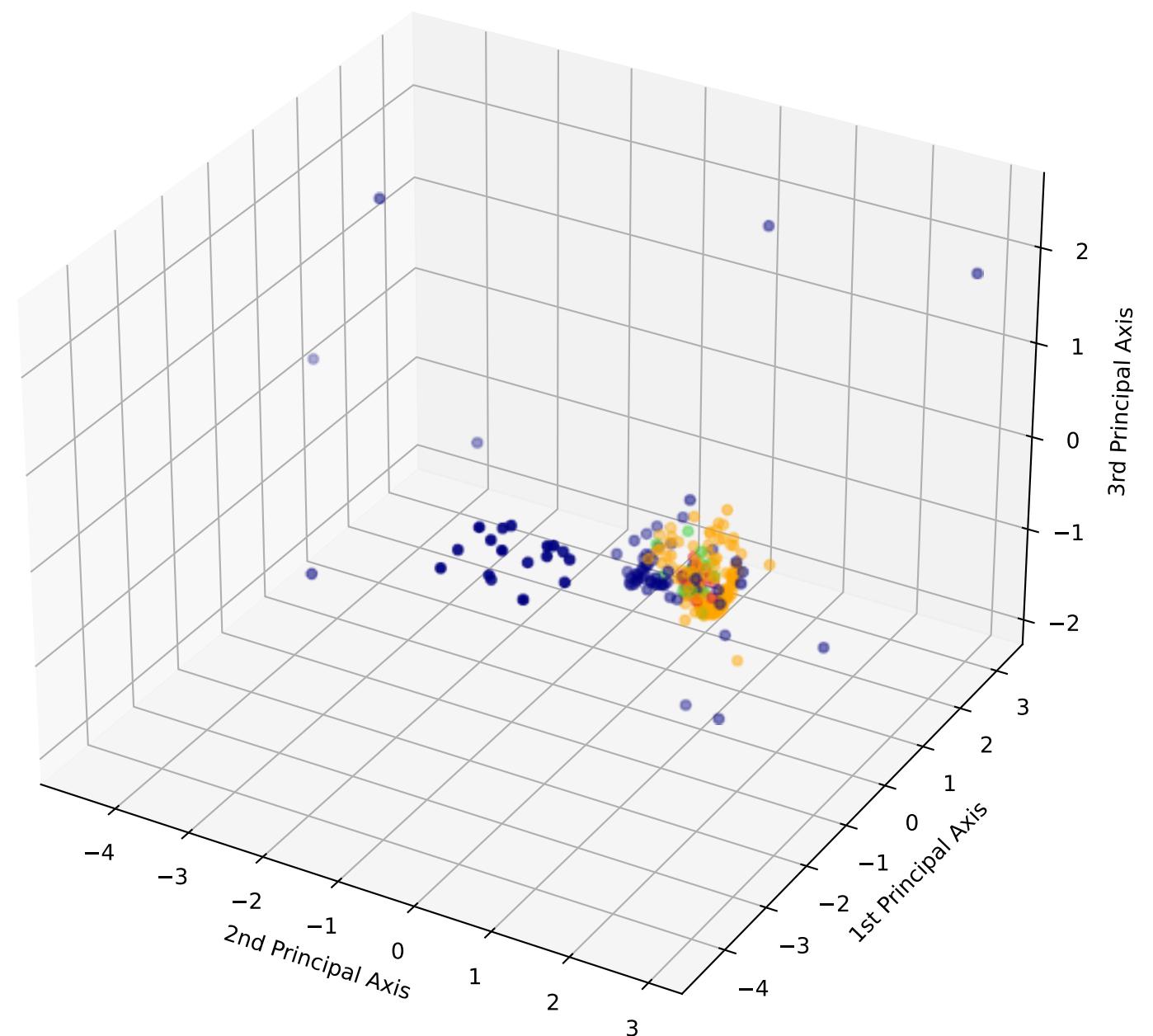
Angle 2



Angle 3



Angle 4



hm3d Con:
Alive: 7 Mice

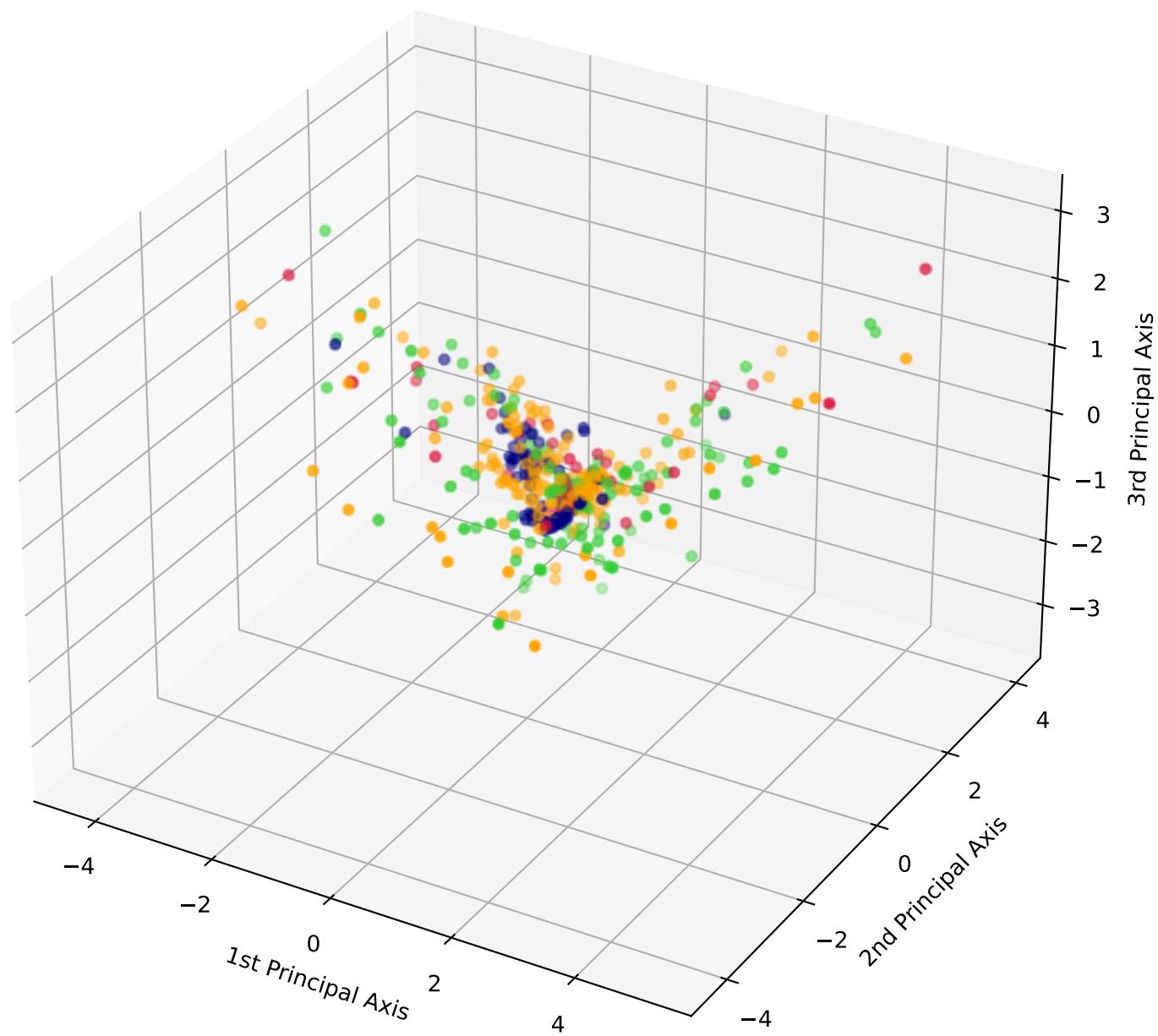
hm3d Exp:
Alive: 6 Mice

hm4d Con:
Alive: 3 Mice

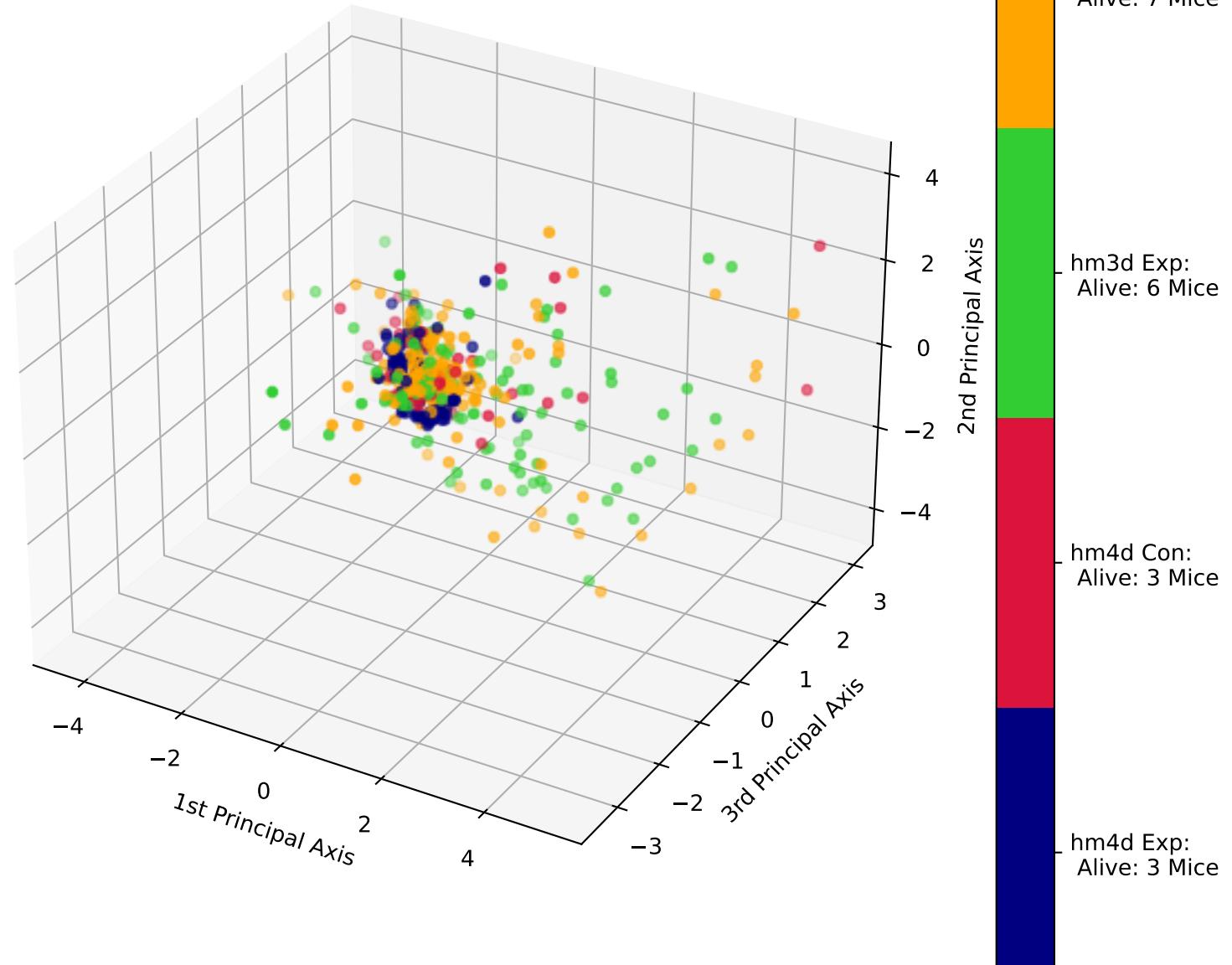
hm4d Exp:
Alive: 3 Mice

Trial Number: 4, Phase: First Gasp

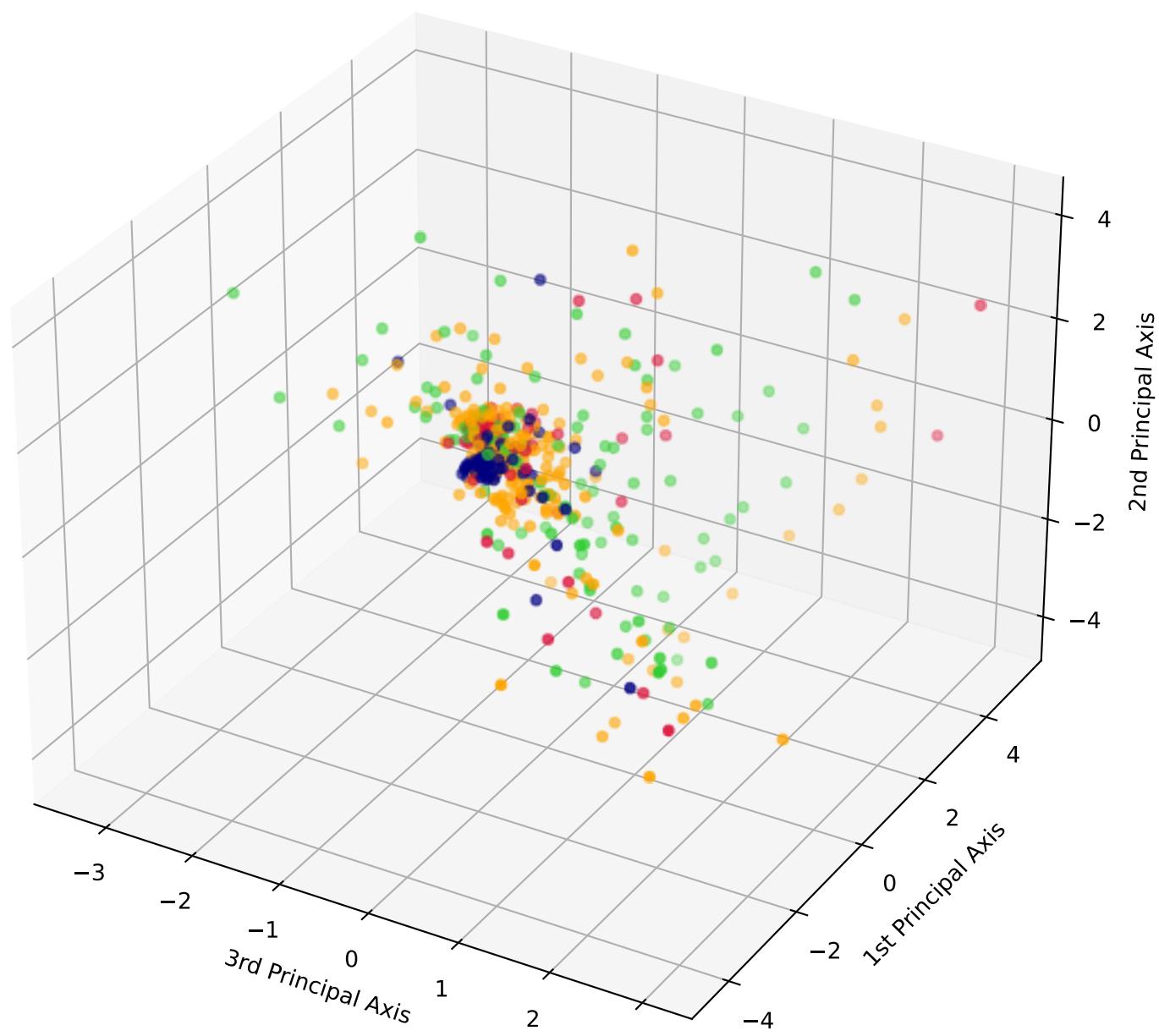
Angle 1



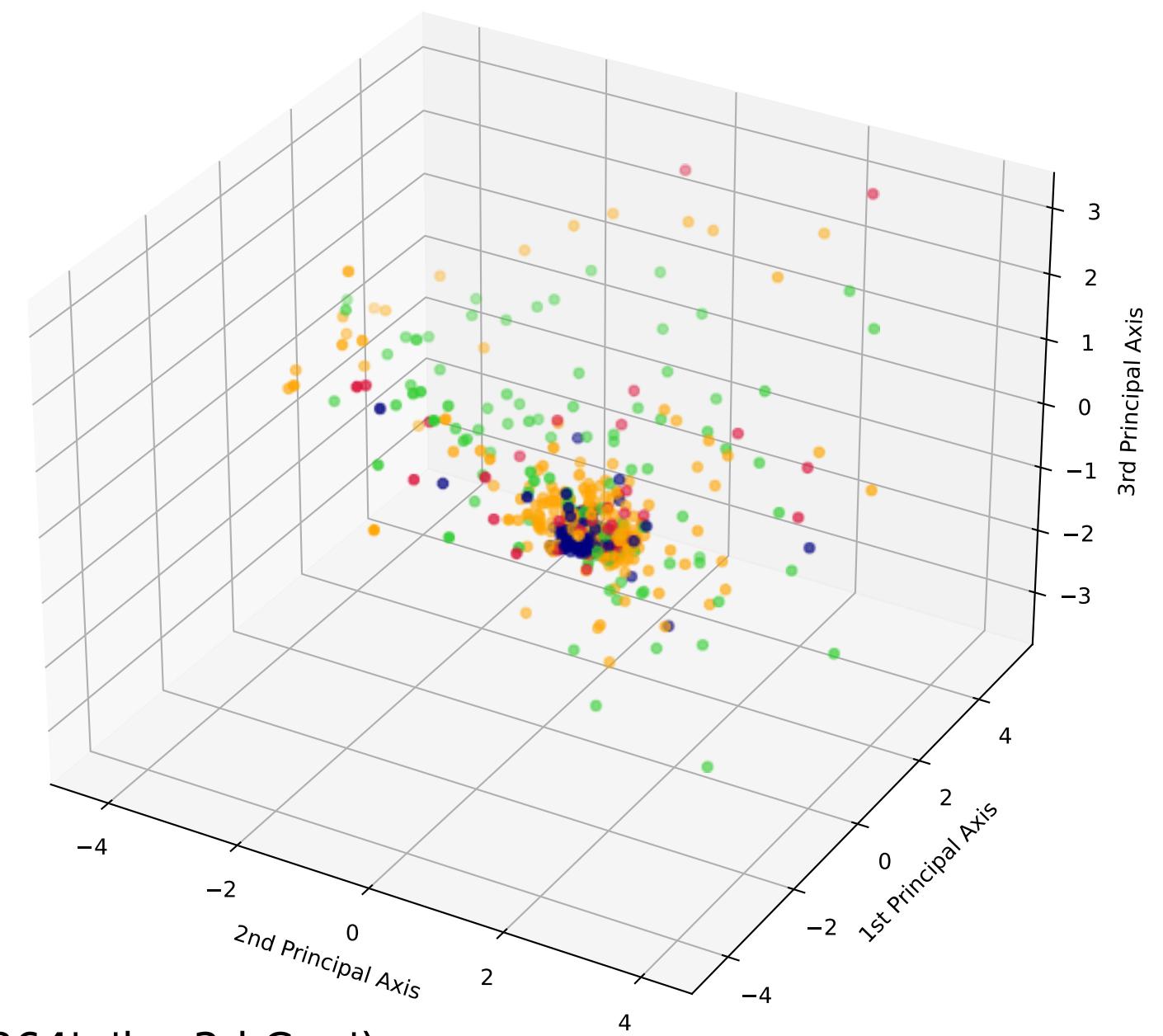
Angle 2



Angle 3



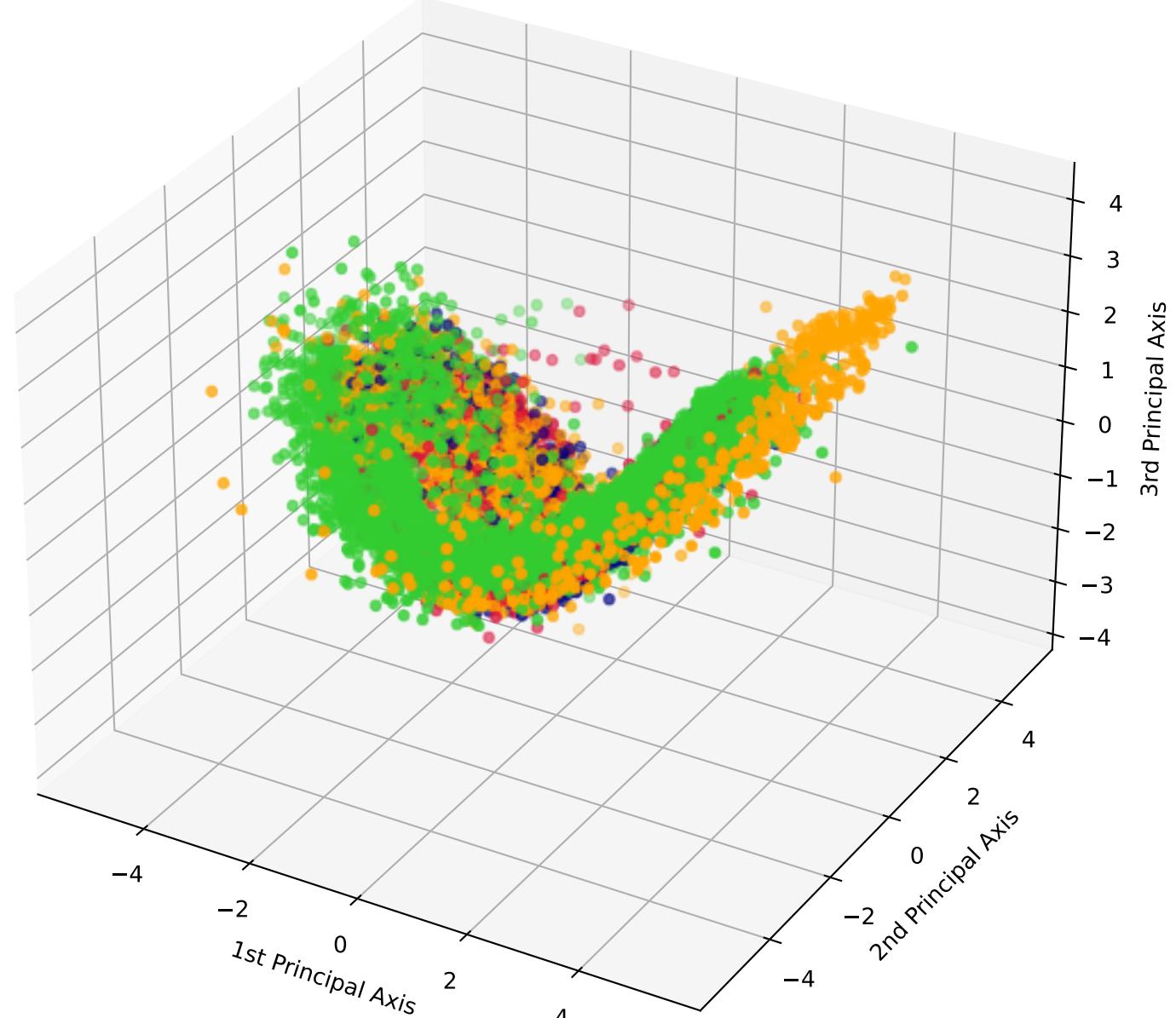
Angle 4



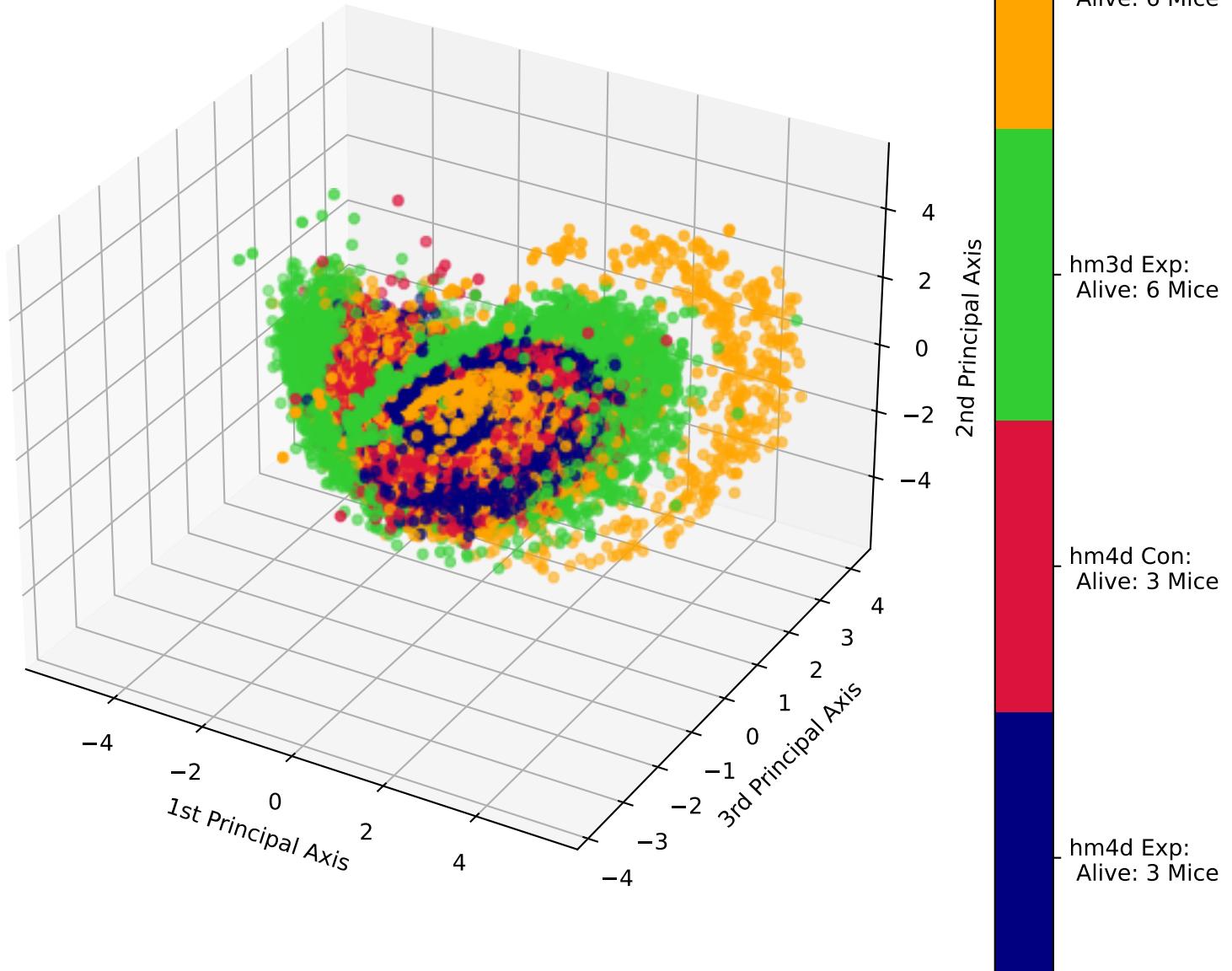
Mice Expired: ('M20864', 'hm3d Con')

Trial Number: 4, Phase: Eupnea Recovery

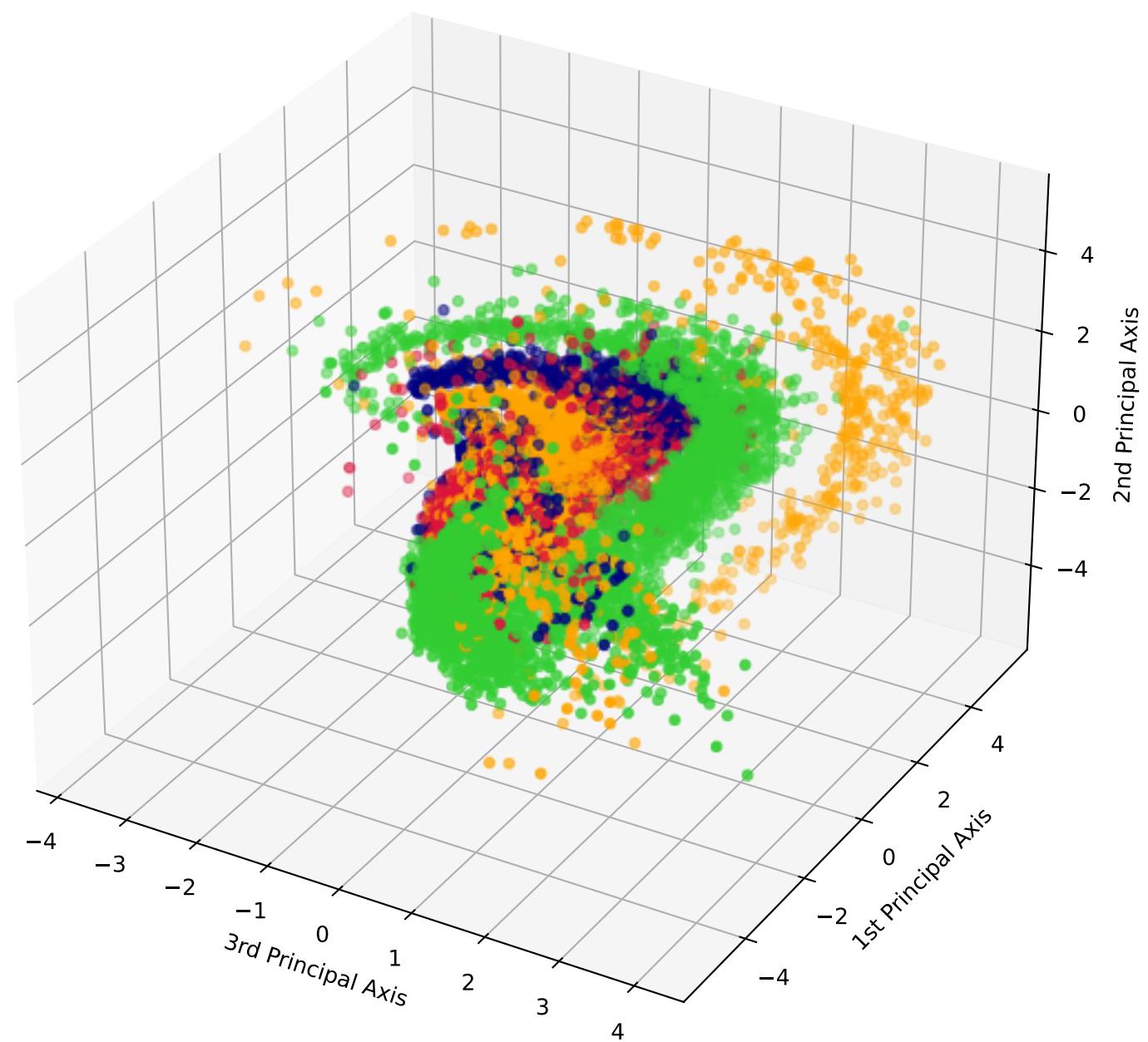
Angle 1



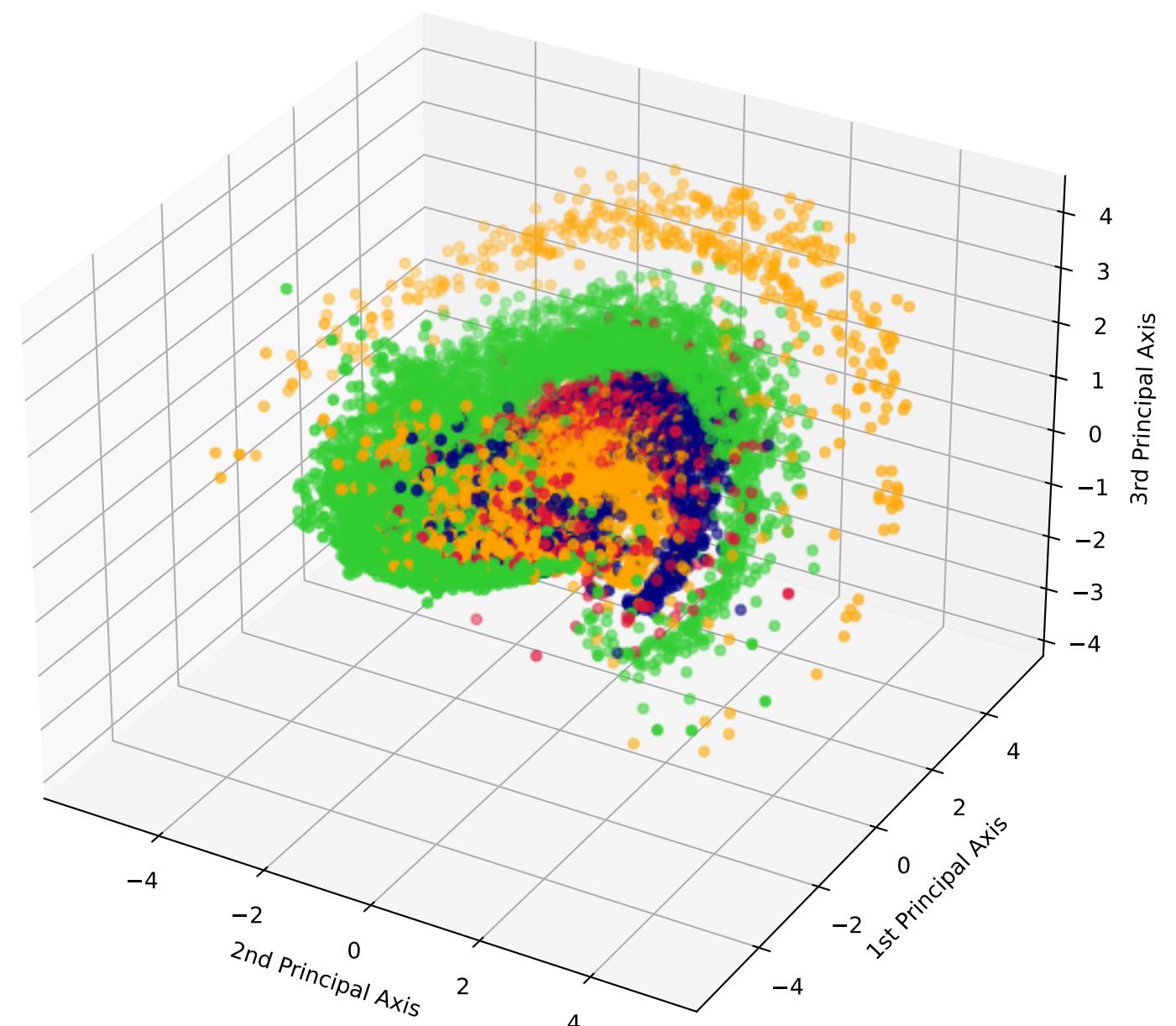
Angle 2



Angle 3



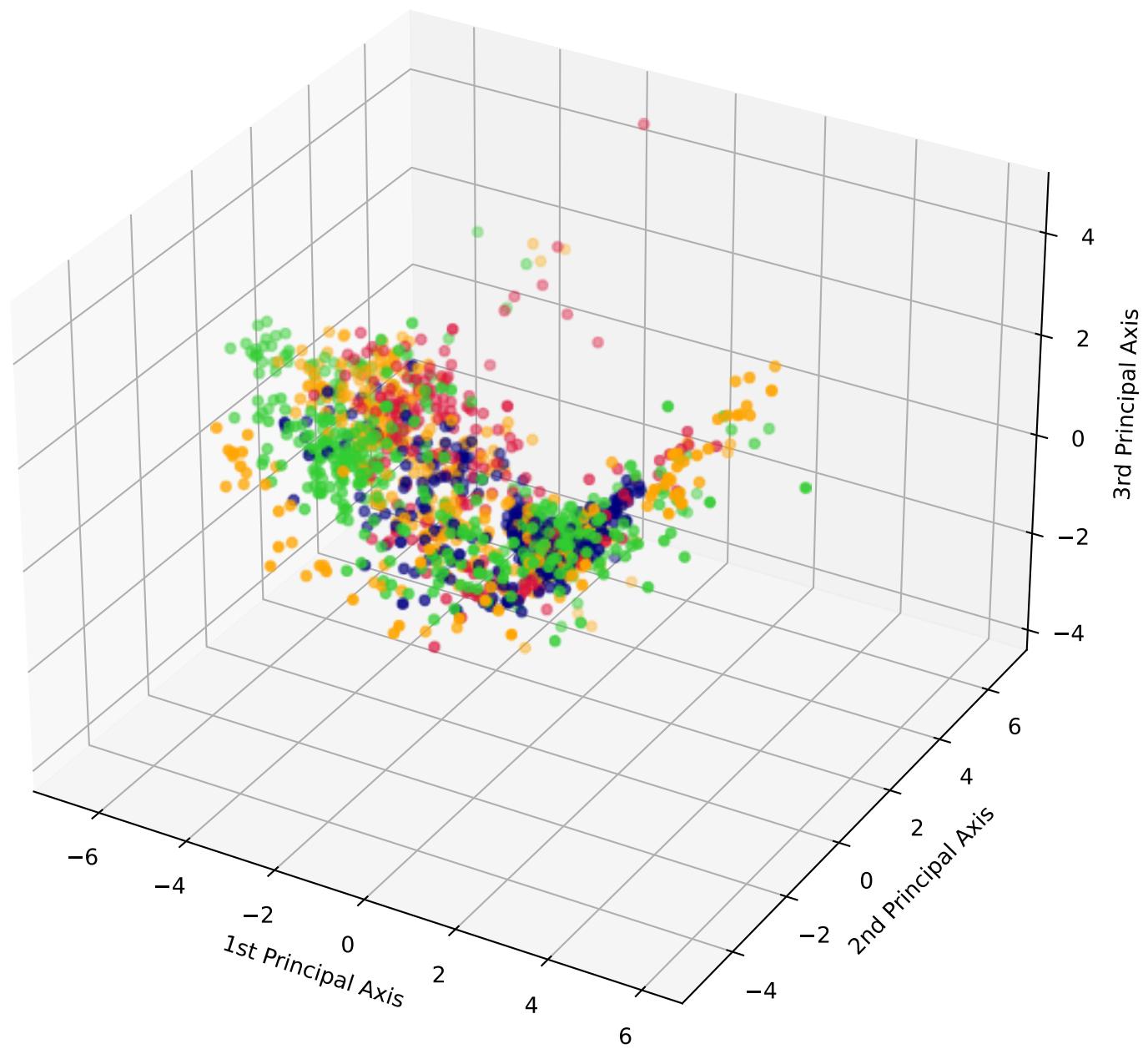
Angle 4



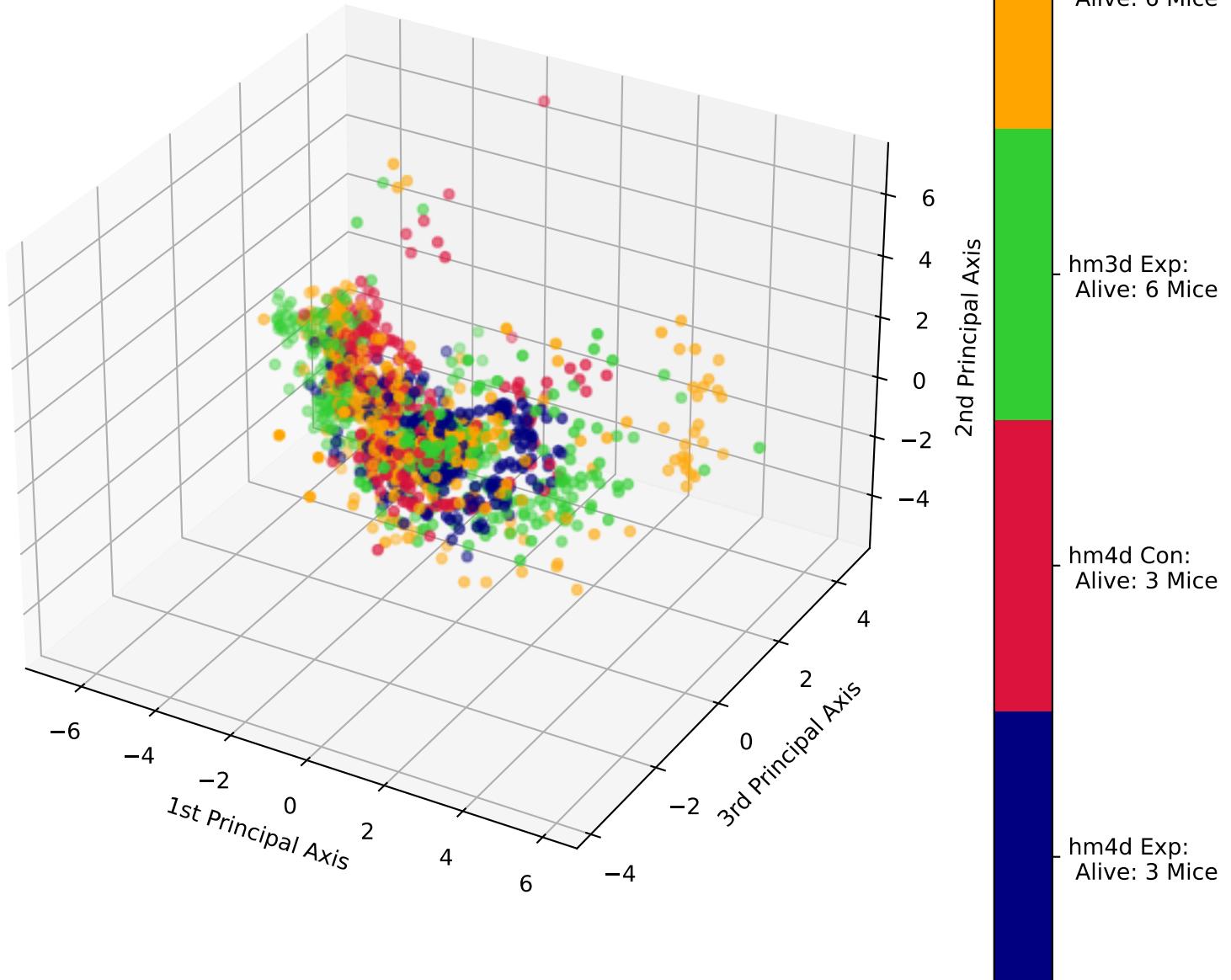
hm3d Con: Alive: 6 Mice
hm3d Exp: Alive: 6 Mice
hm4d Con: Alive: 3 Mice
hm4d Exp: Alive: 3 Mice

Trial Number: 5, Phase: Trial Onset

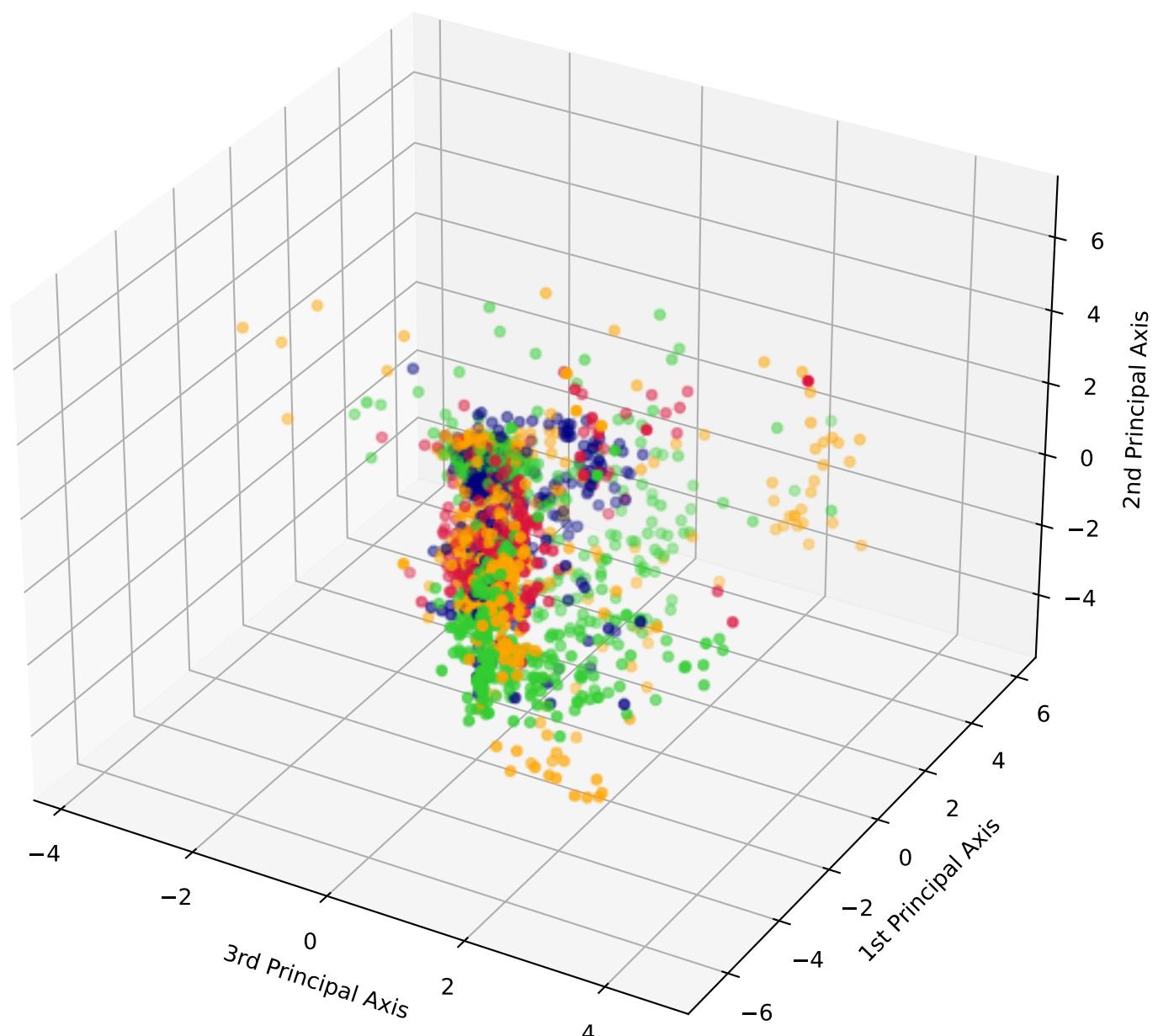
Angle 1



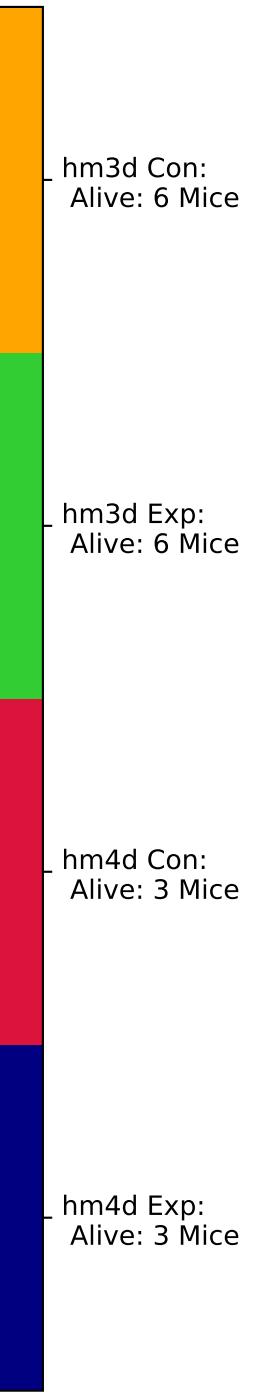
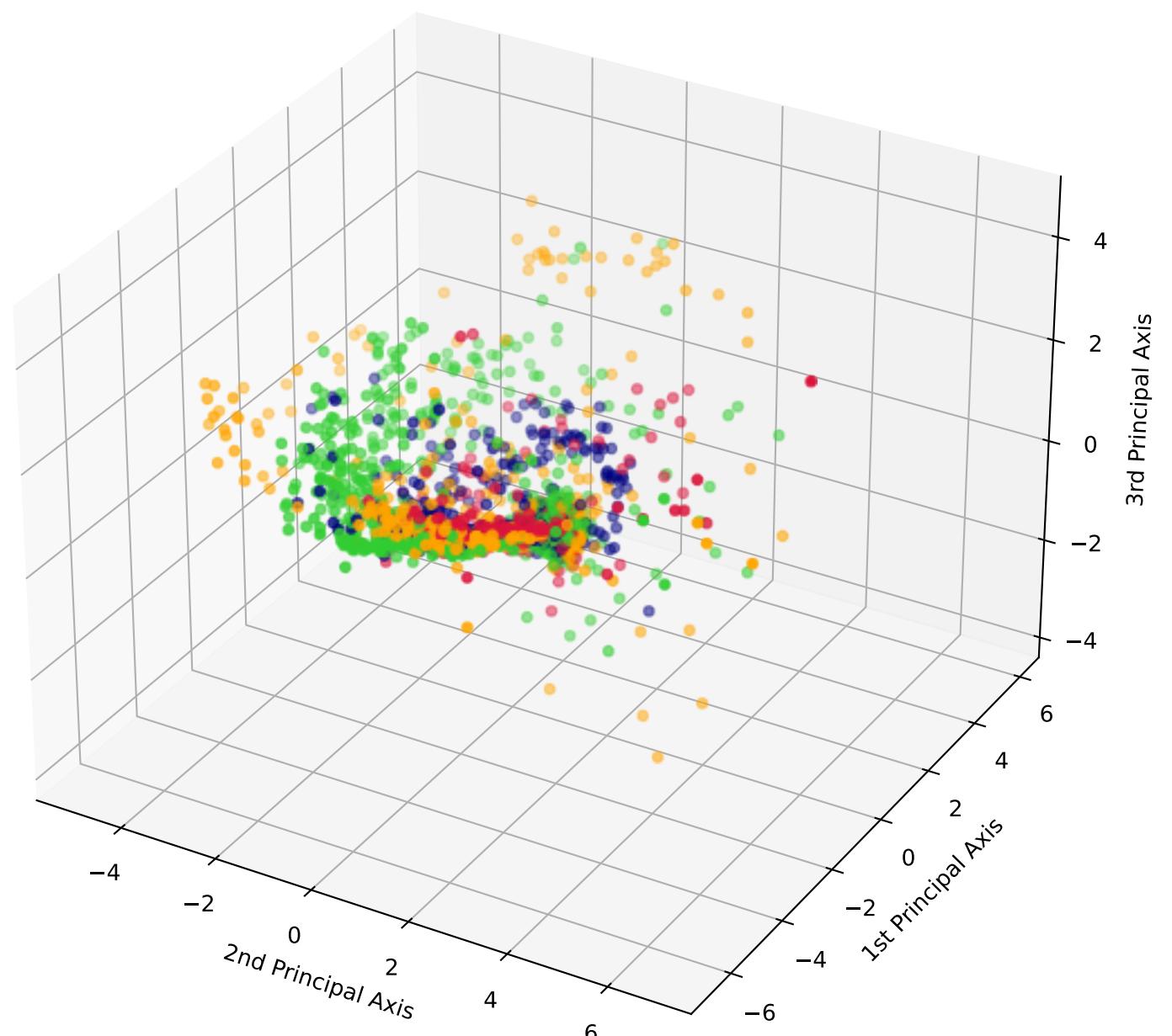
Angle 2



Angle 3

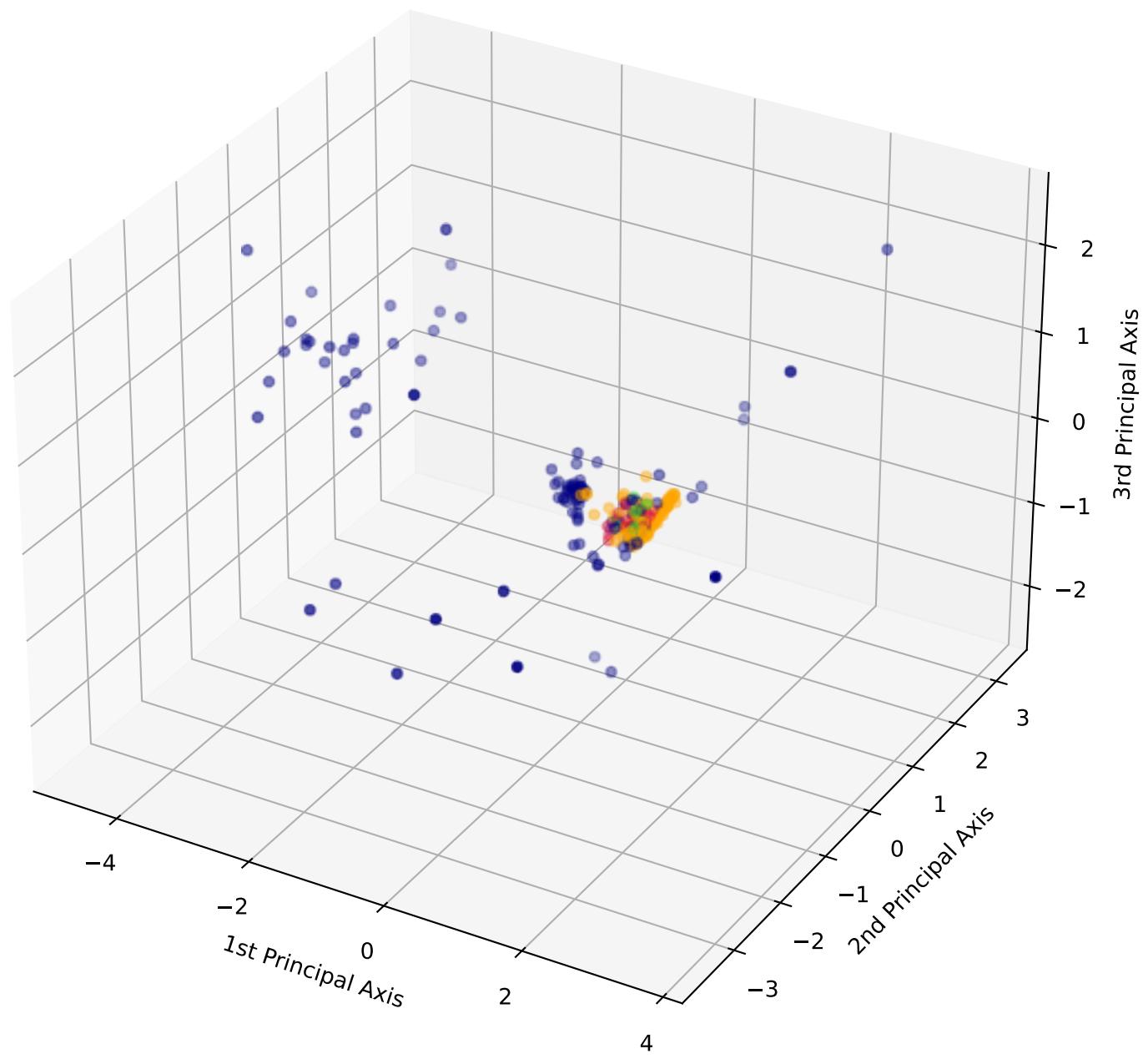


Angle 4

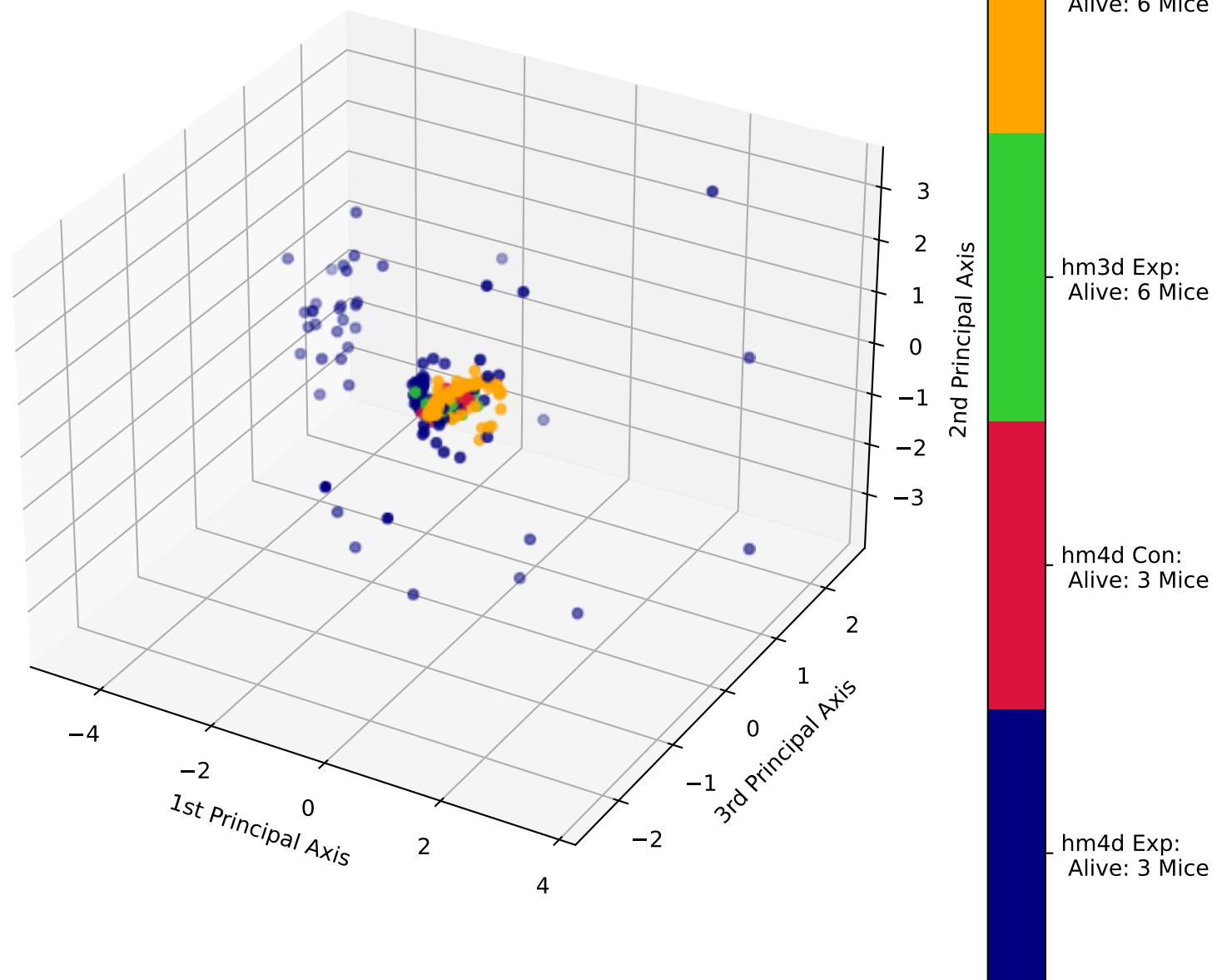


Trial Number: 5, Phase: Apnea Starts

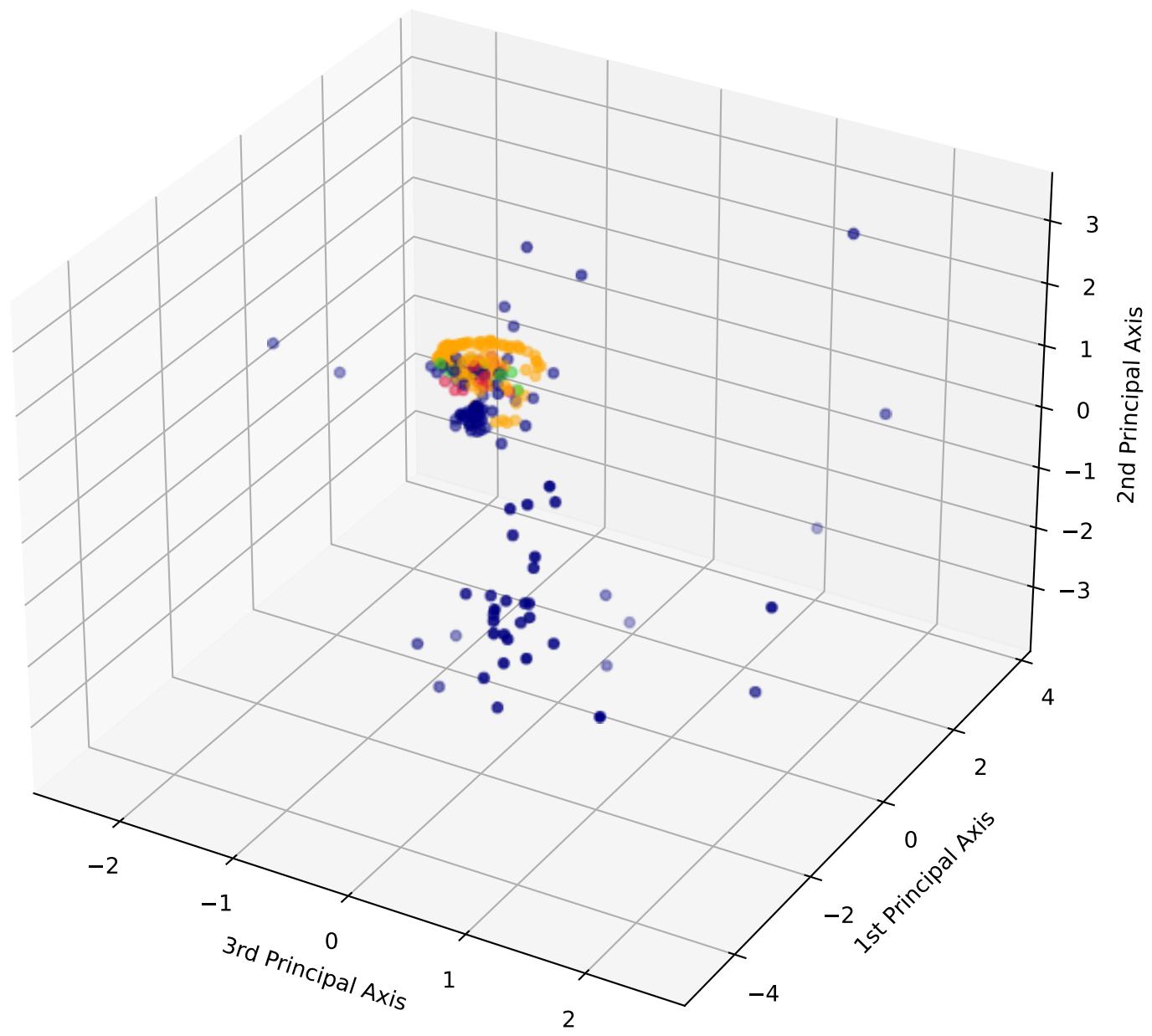
Angle 1



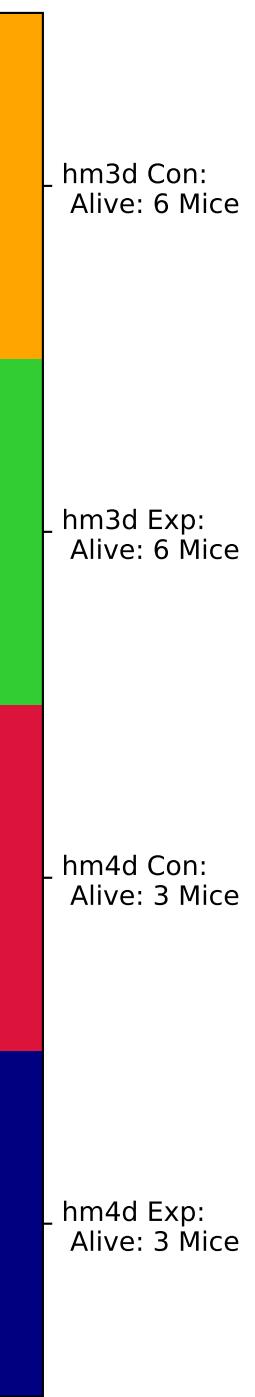
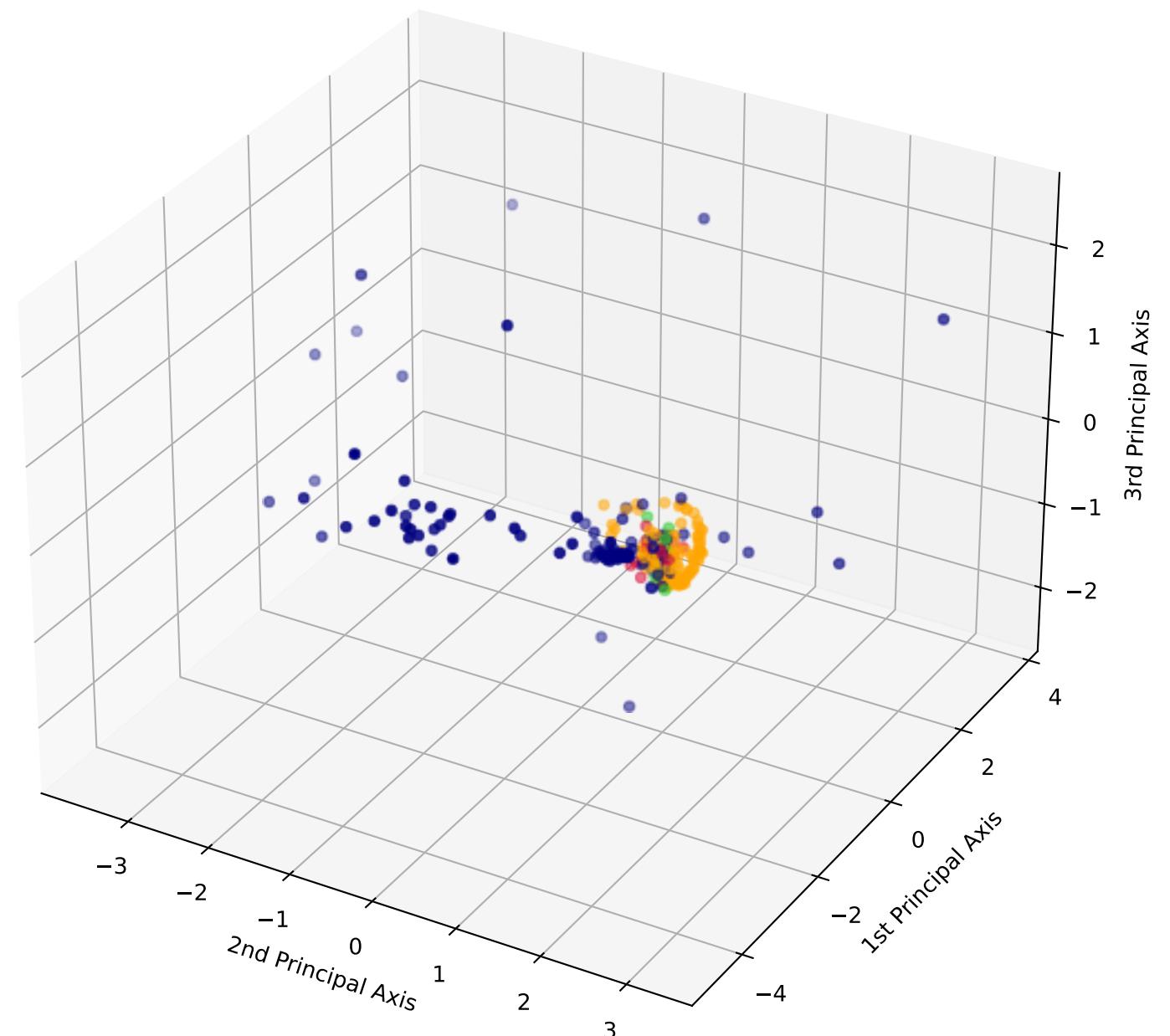
Angle 2



Angle 3

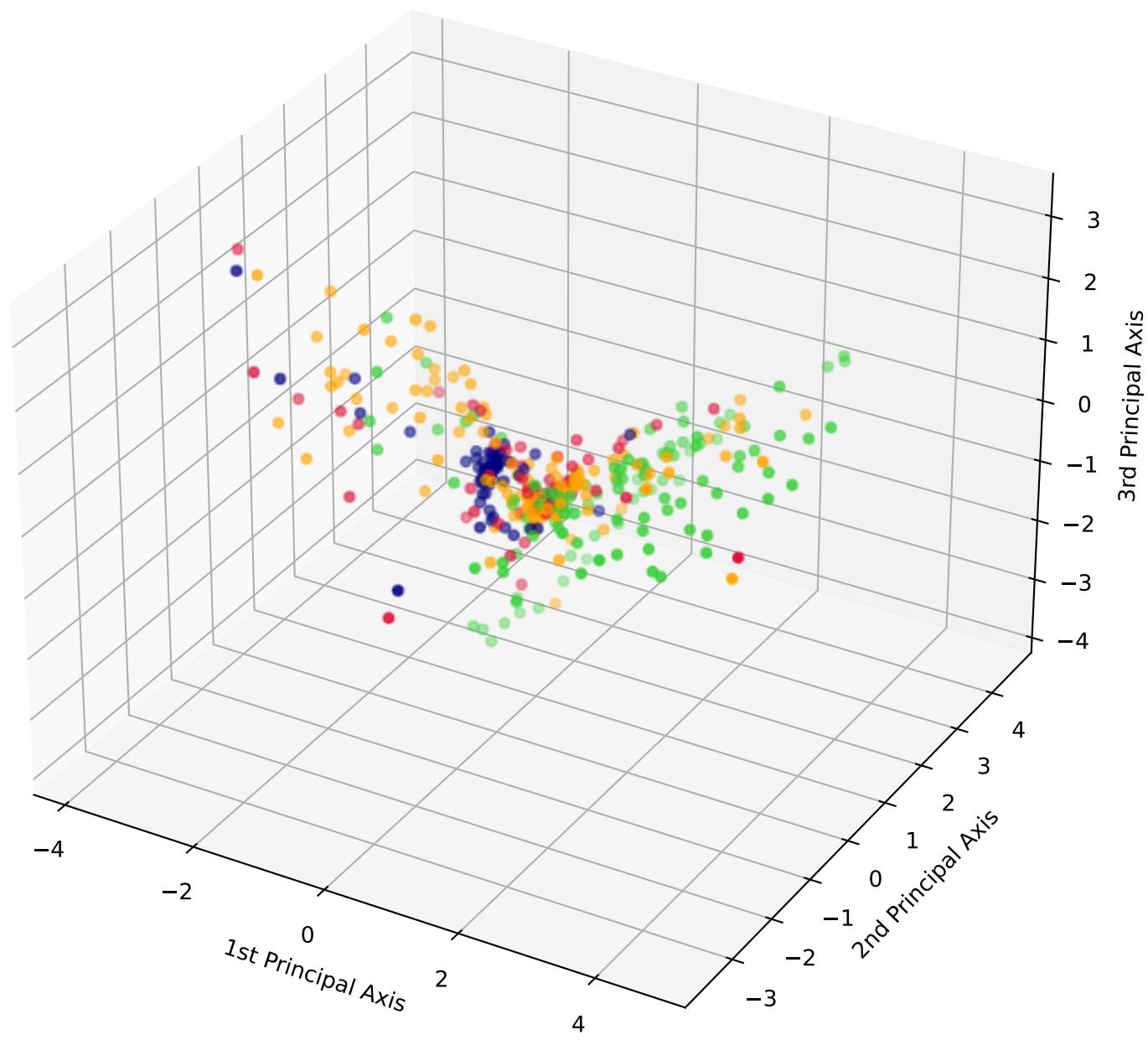


Angle 4

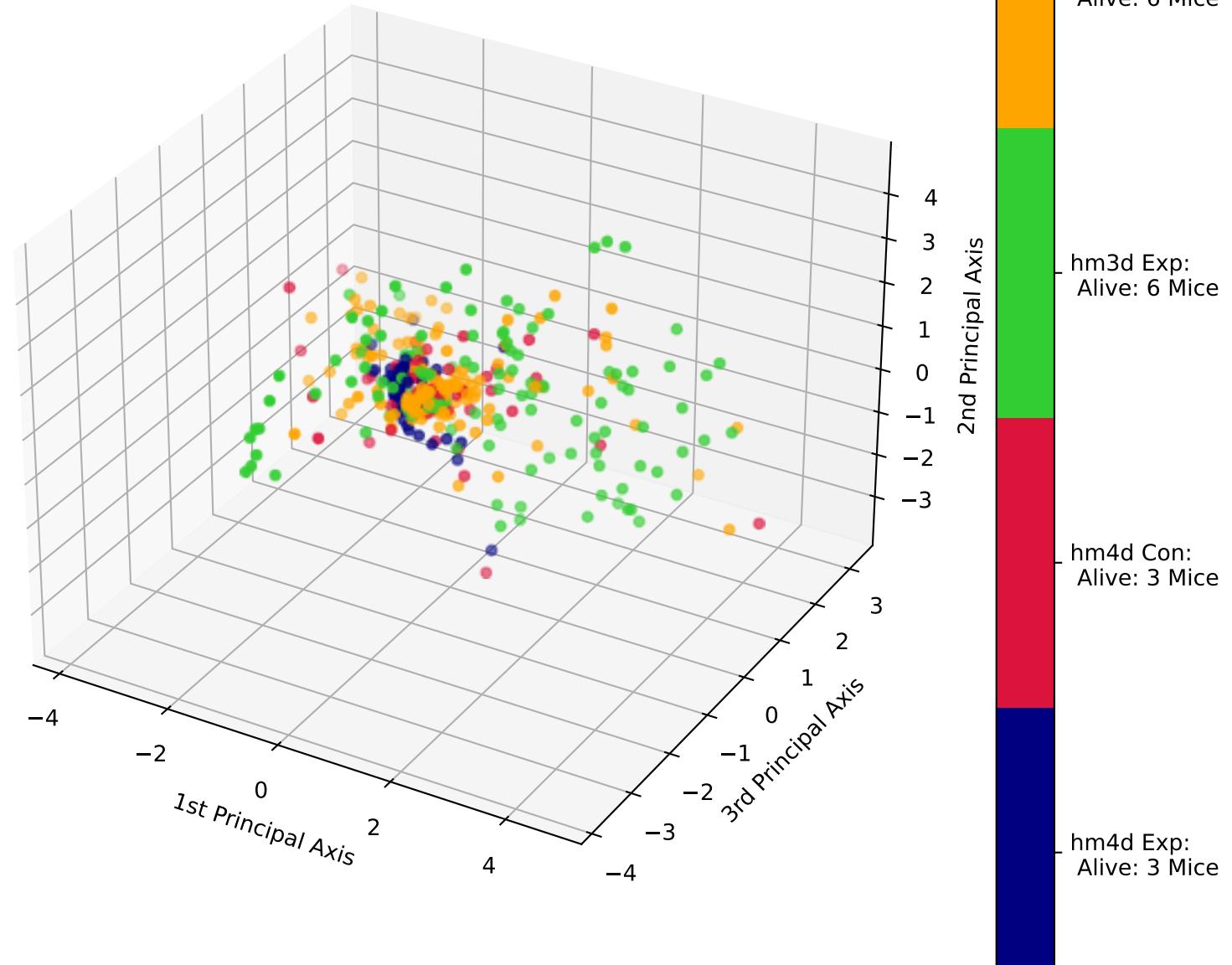


Trial Number: 5, Phase: First Gasp

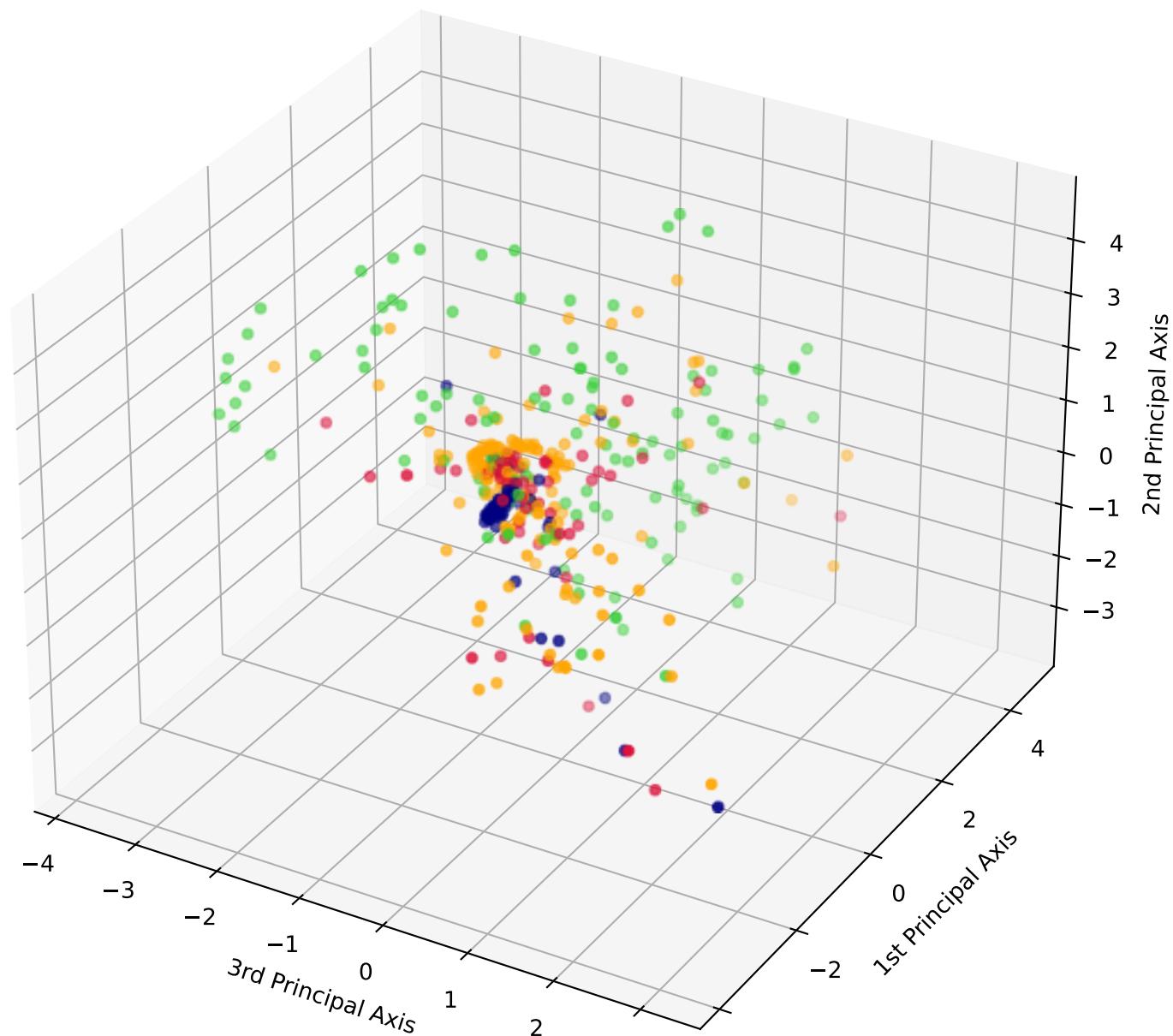
Angle 1



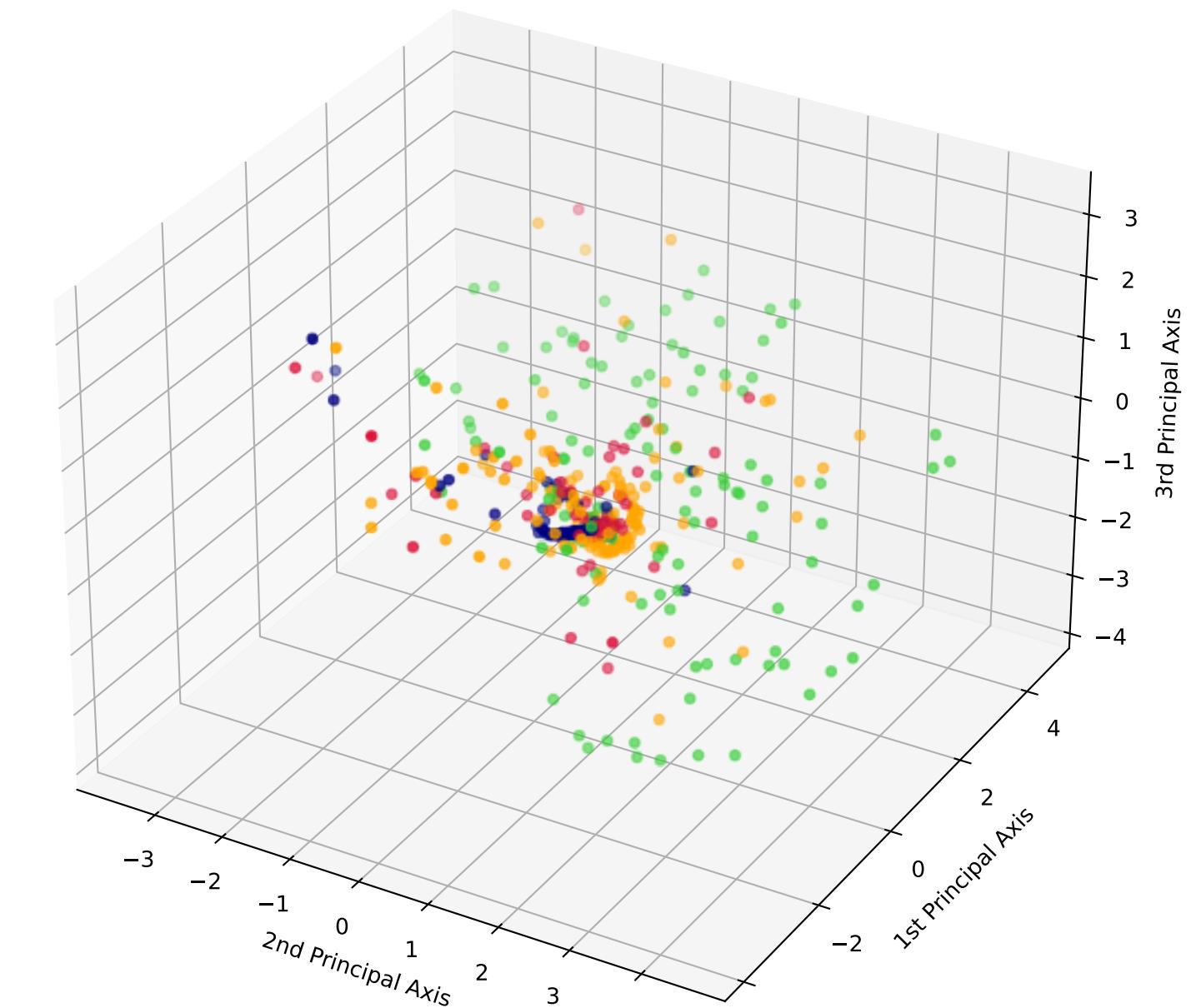
Angle 2



Angle 3



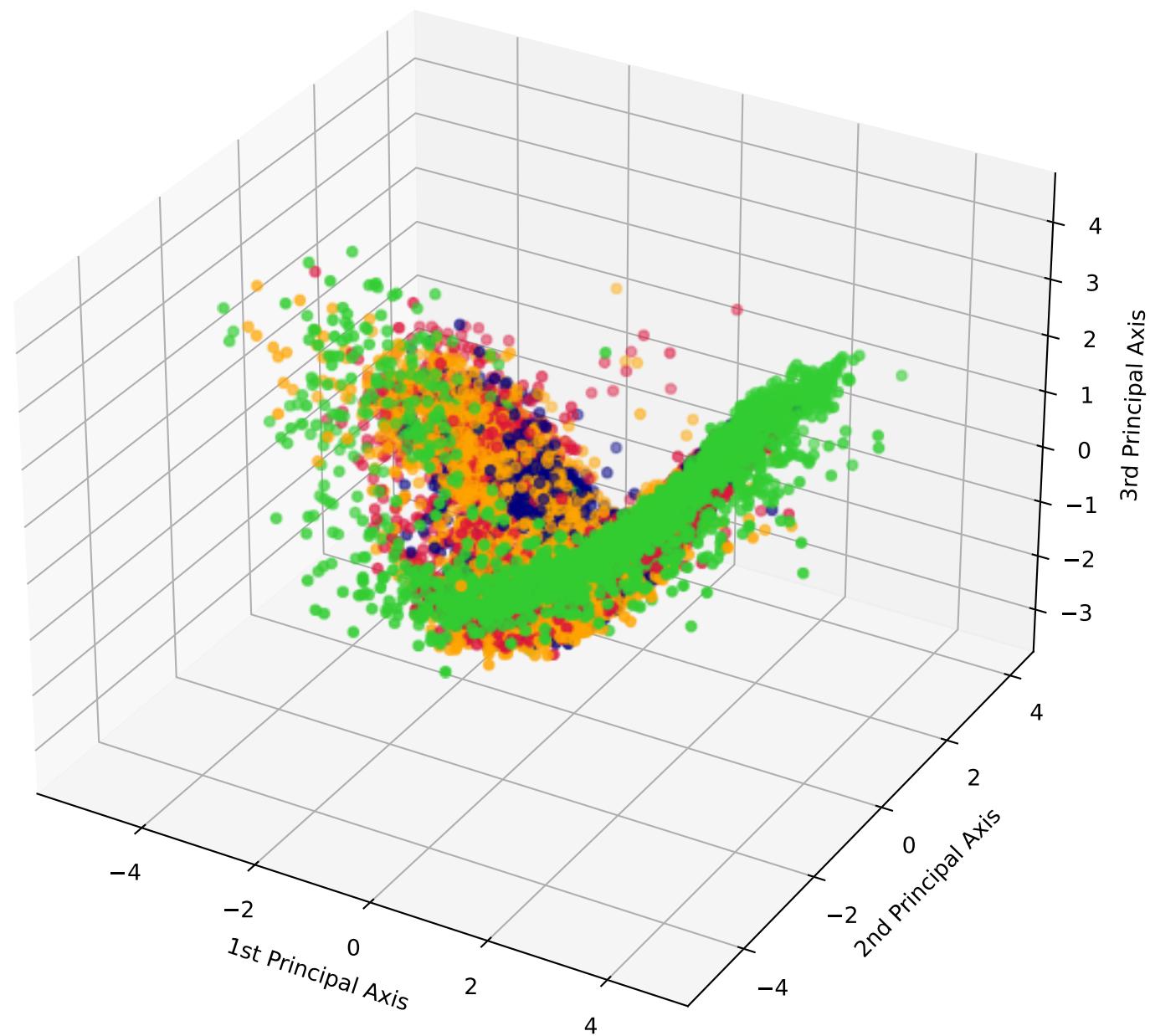
Angle 4



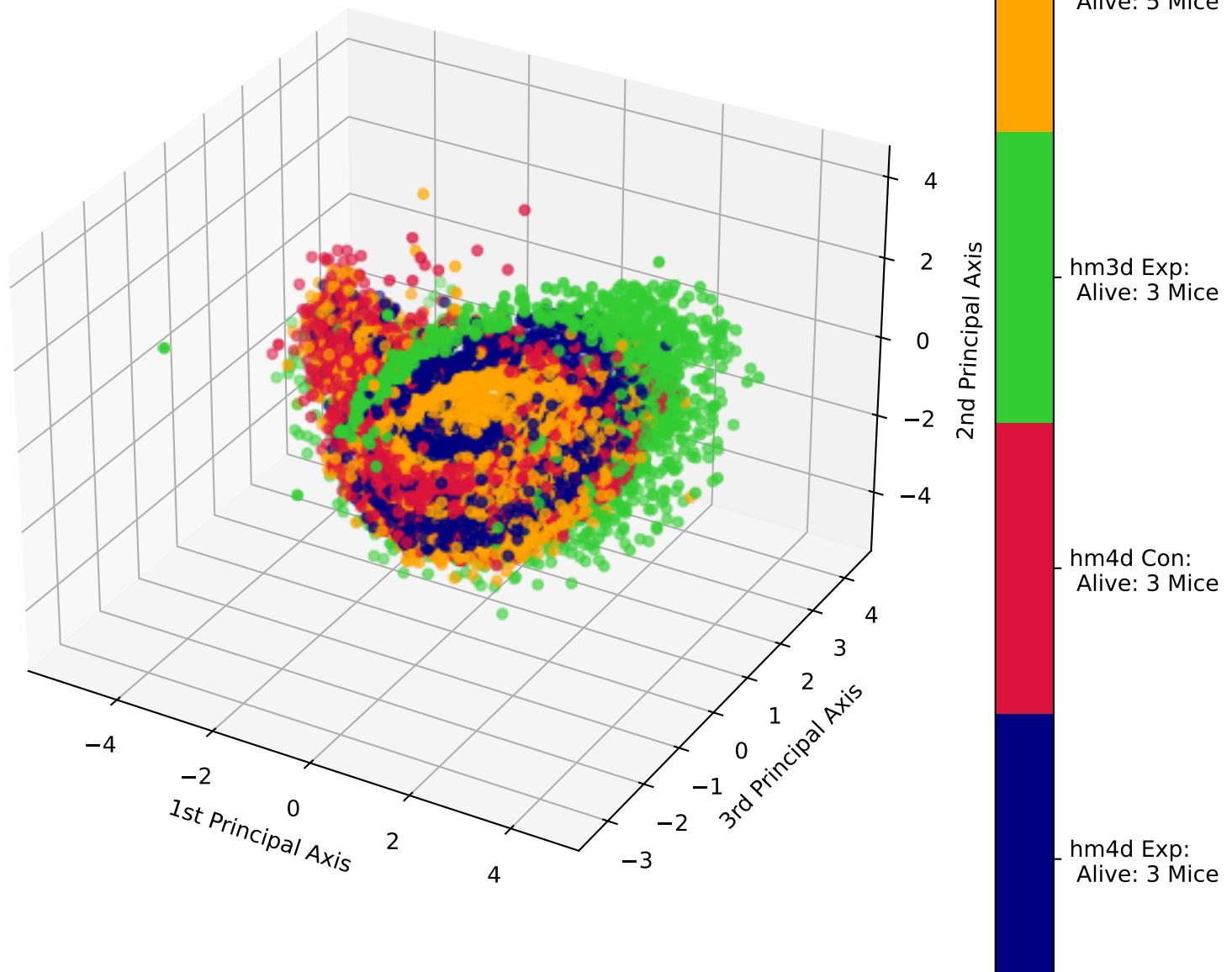
Mice Expired: ('M20870', 'hm3d Con') ('M21480', 'hm3d Exp') ('M21484', 'hm3d Exp') ('M21487', 'hm3d Exp')

Trial Number: 5, Phase: Eupnea Recovery

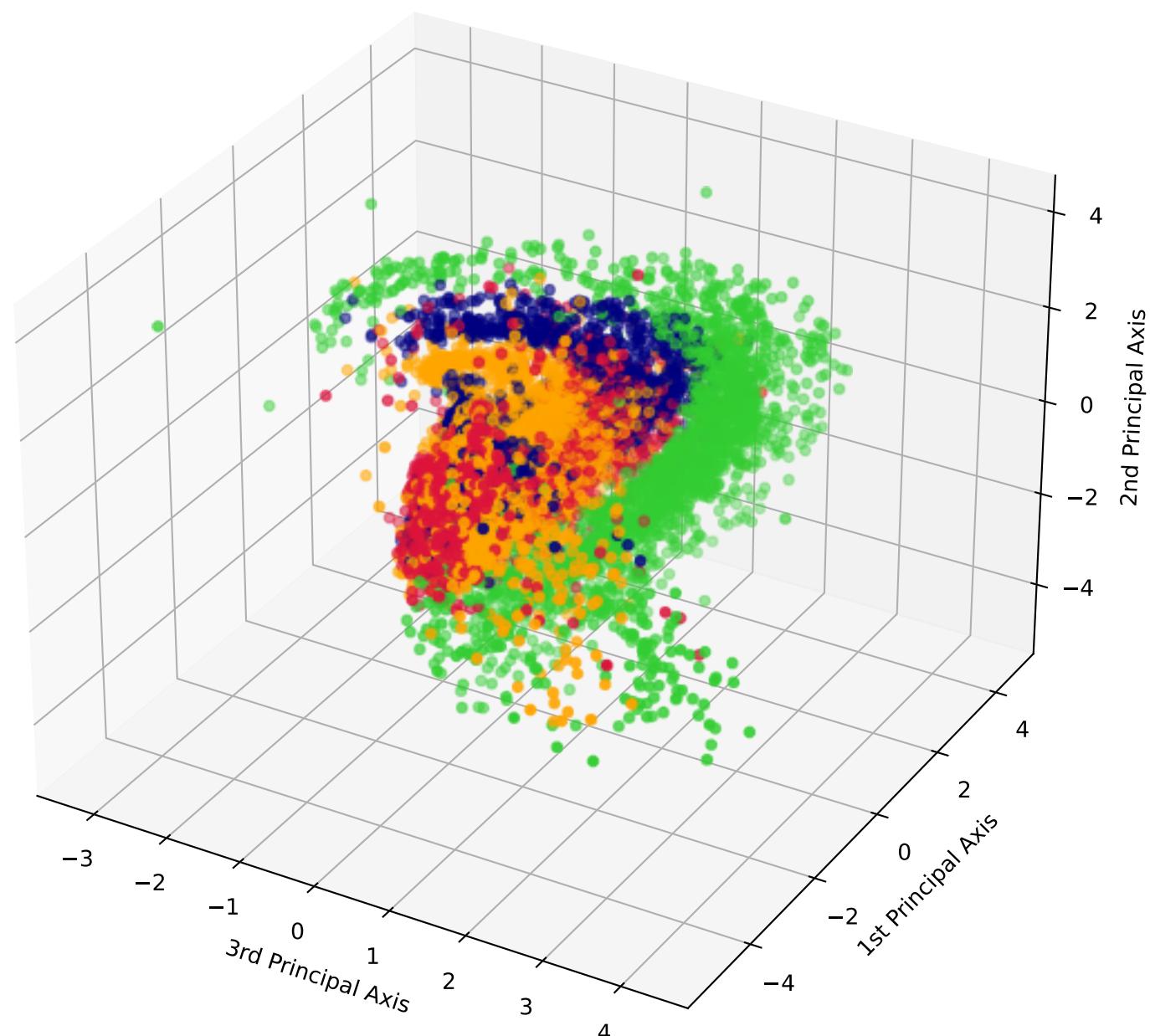
Angle 1



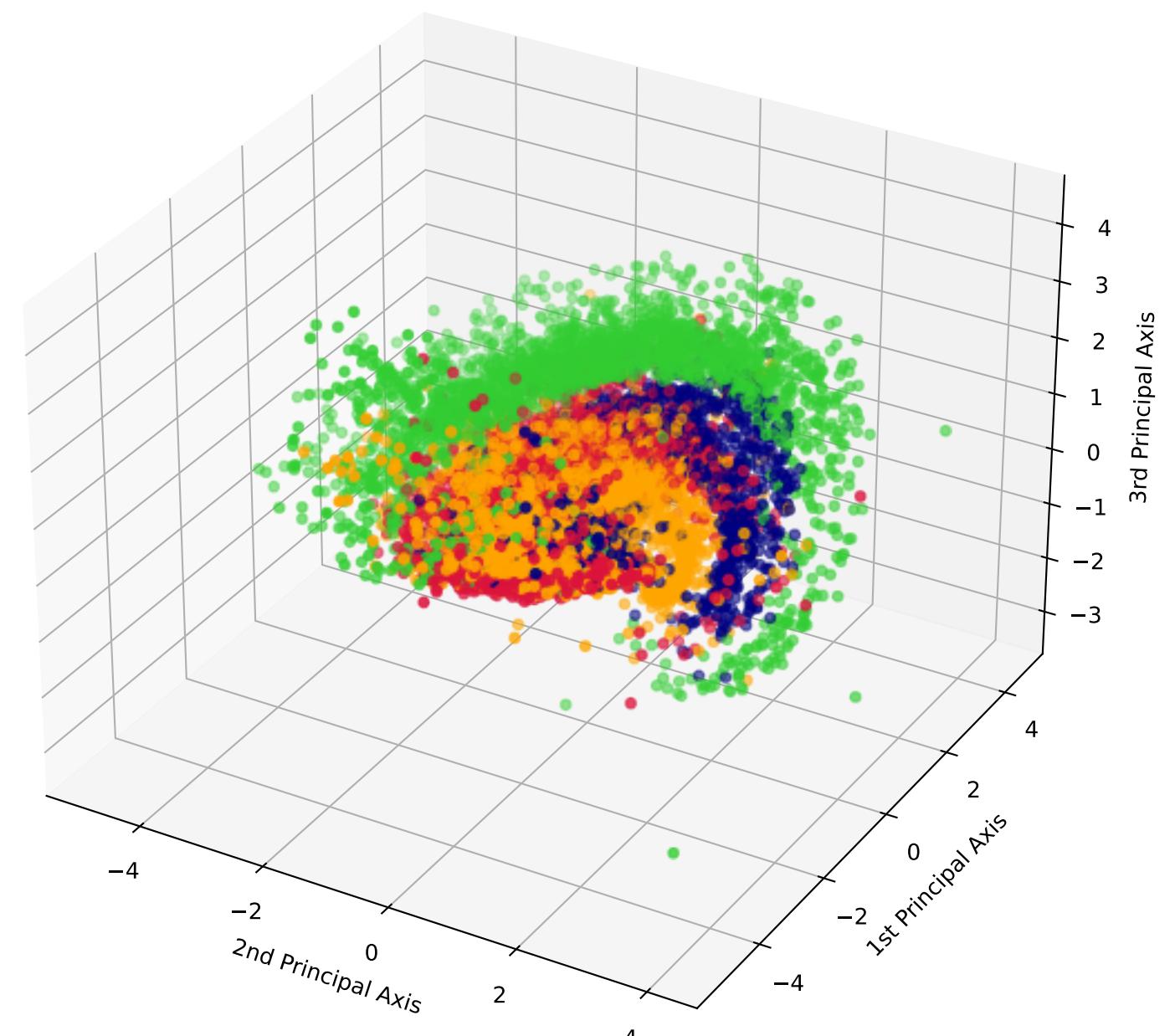
Angle 2



Angle 3

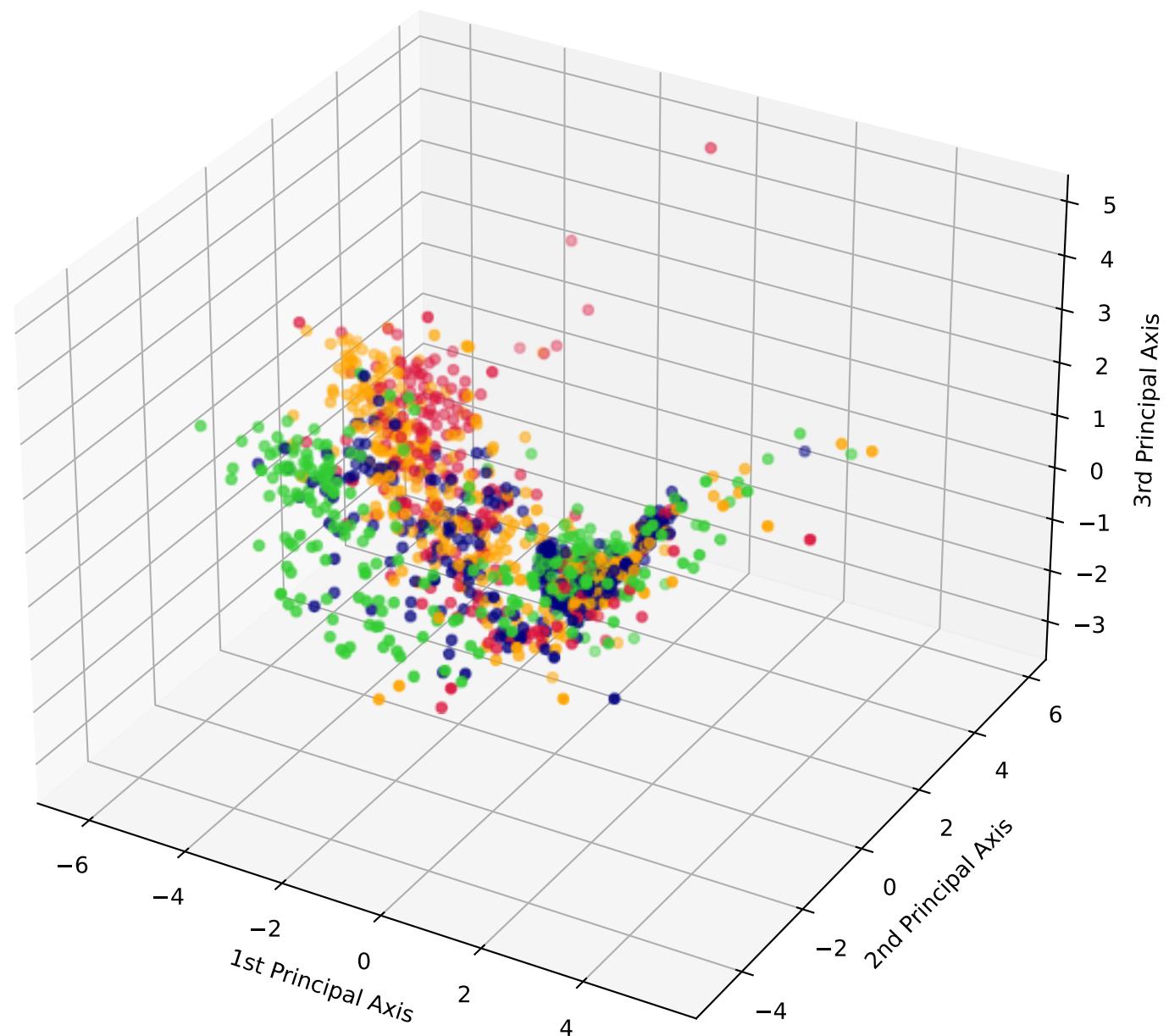


Angle 4

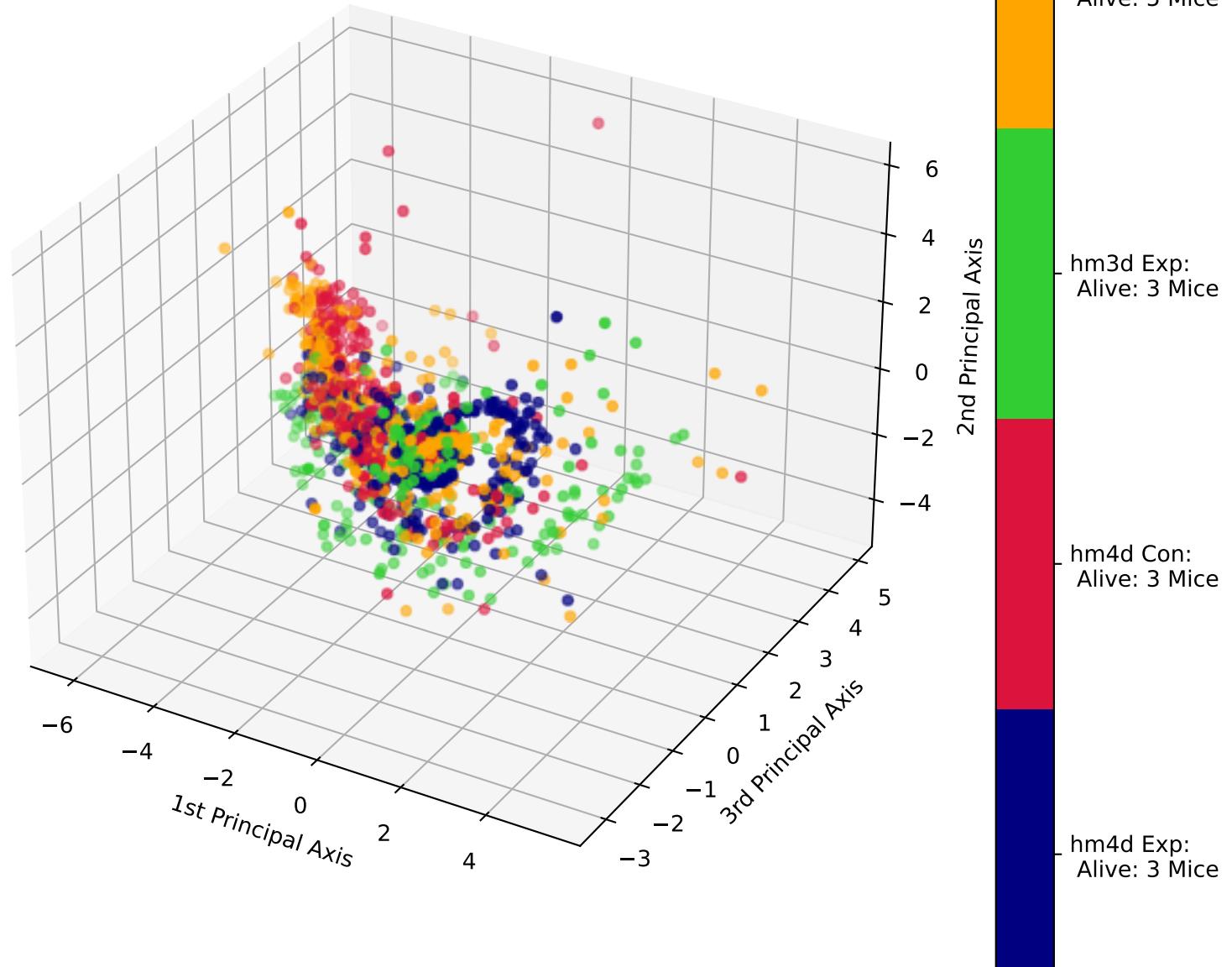


Trial Number: 6, Phase: Trial Onset

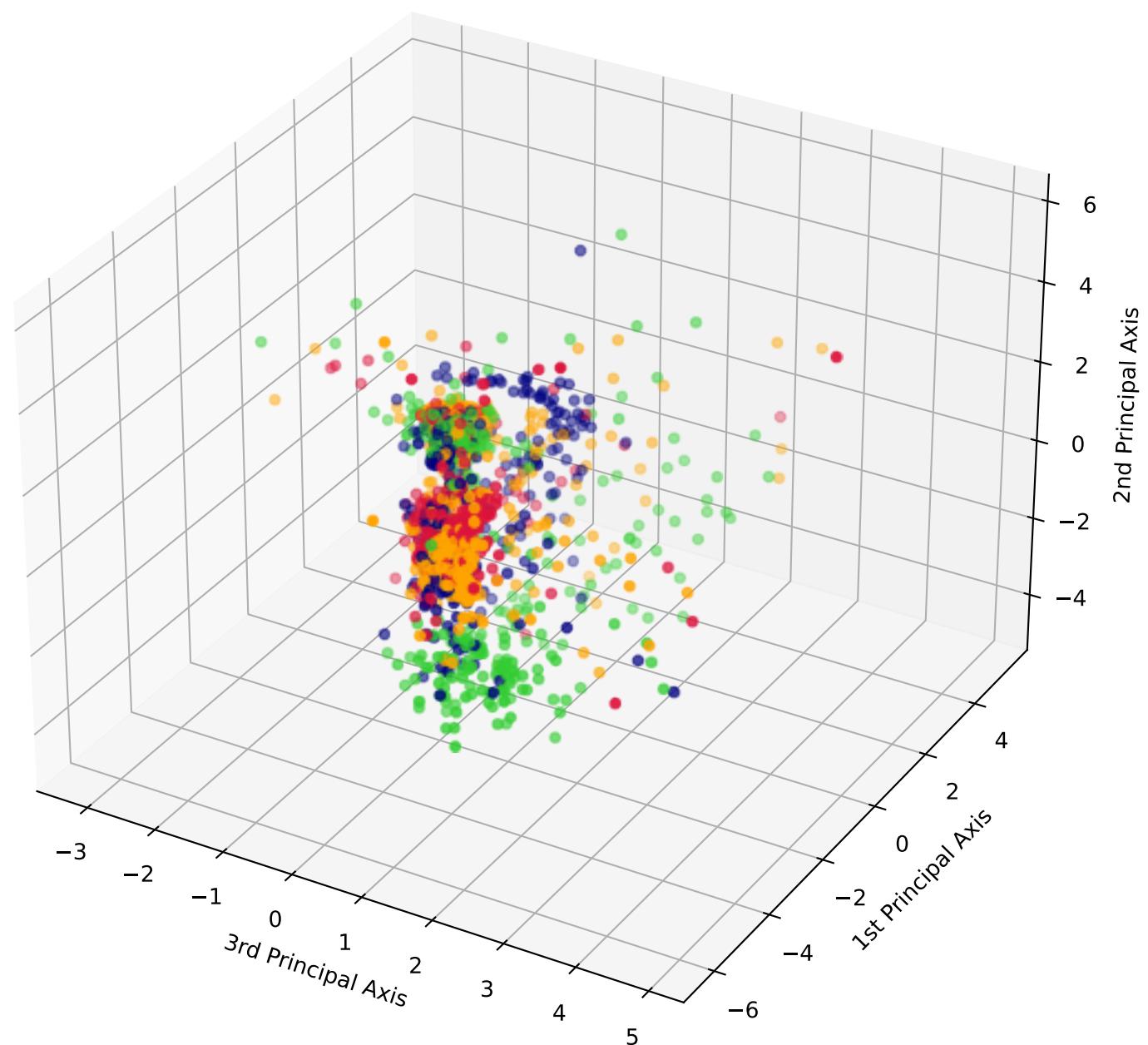
Angle 1



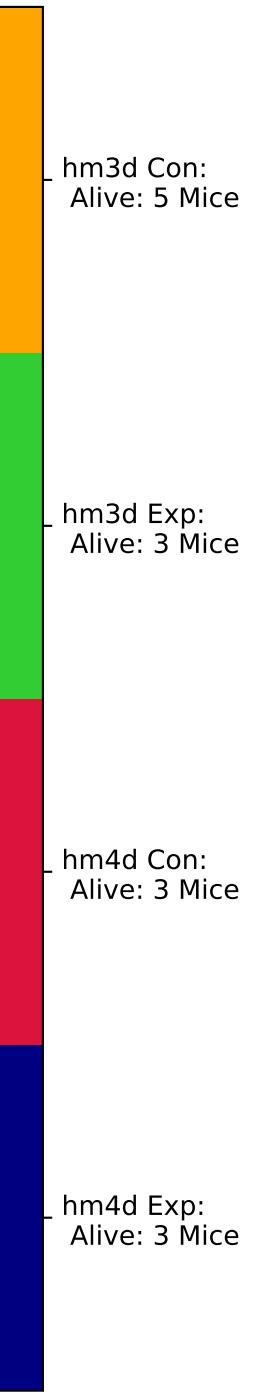
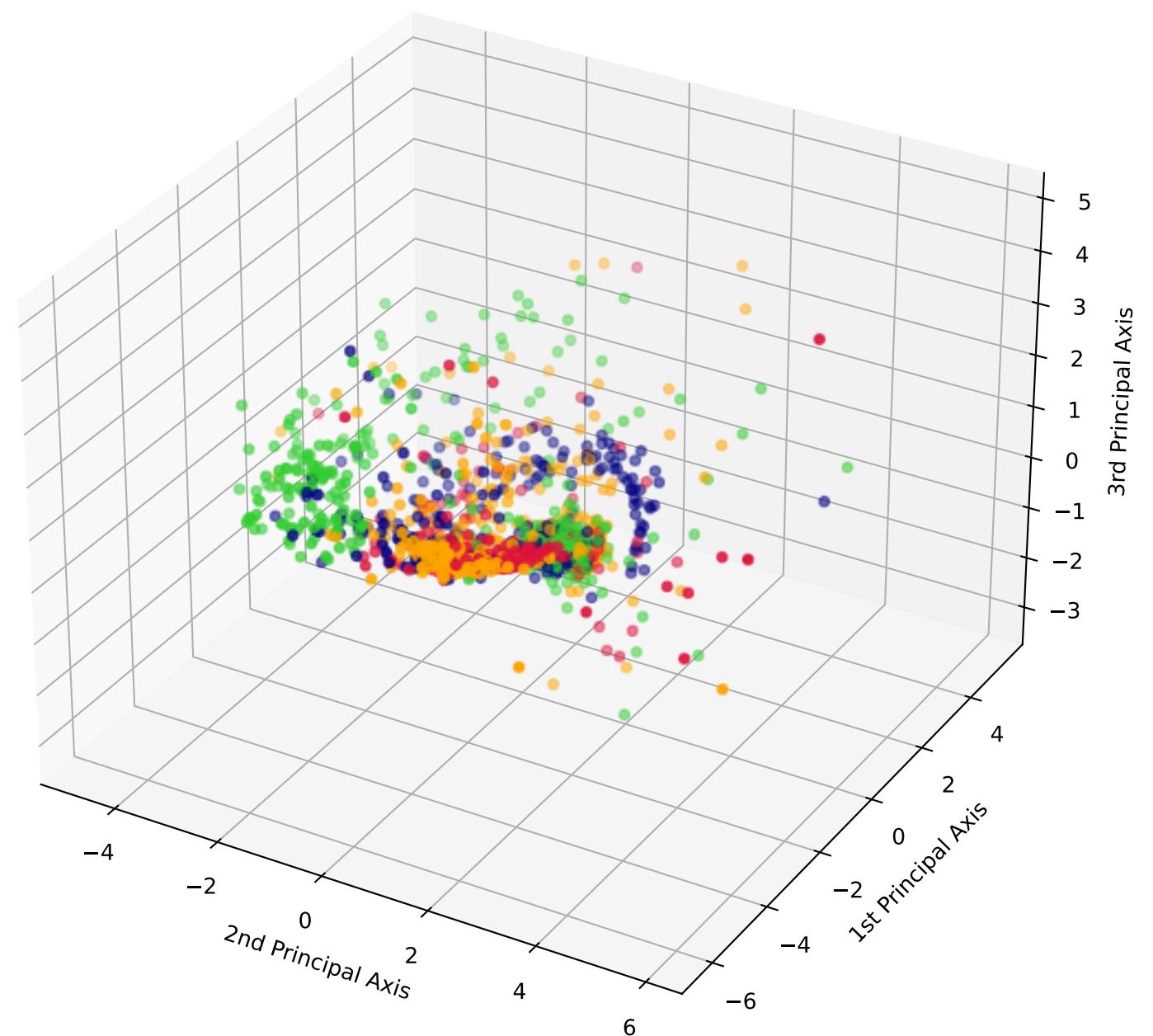
Angle 2



Angle 3

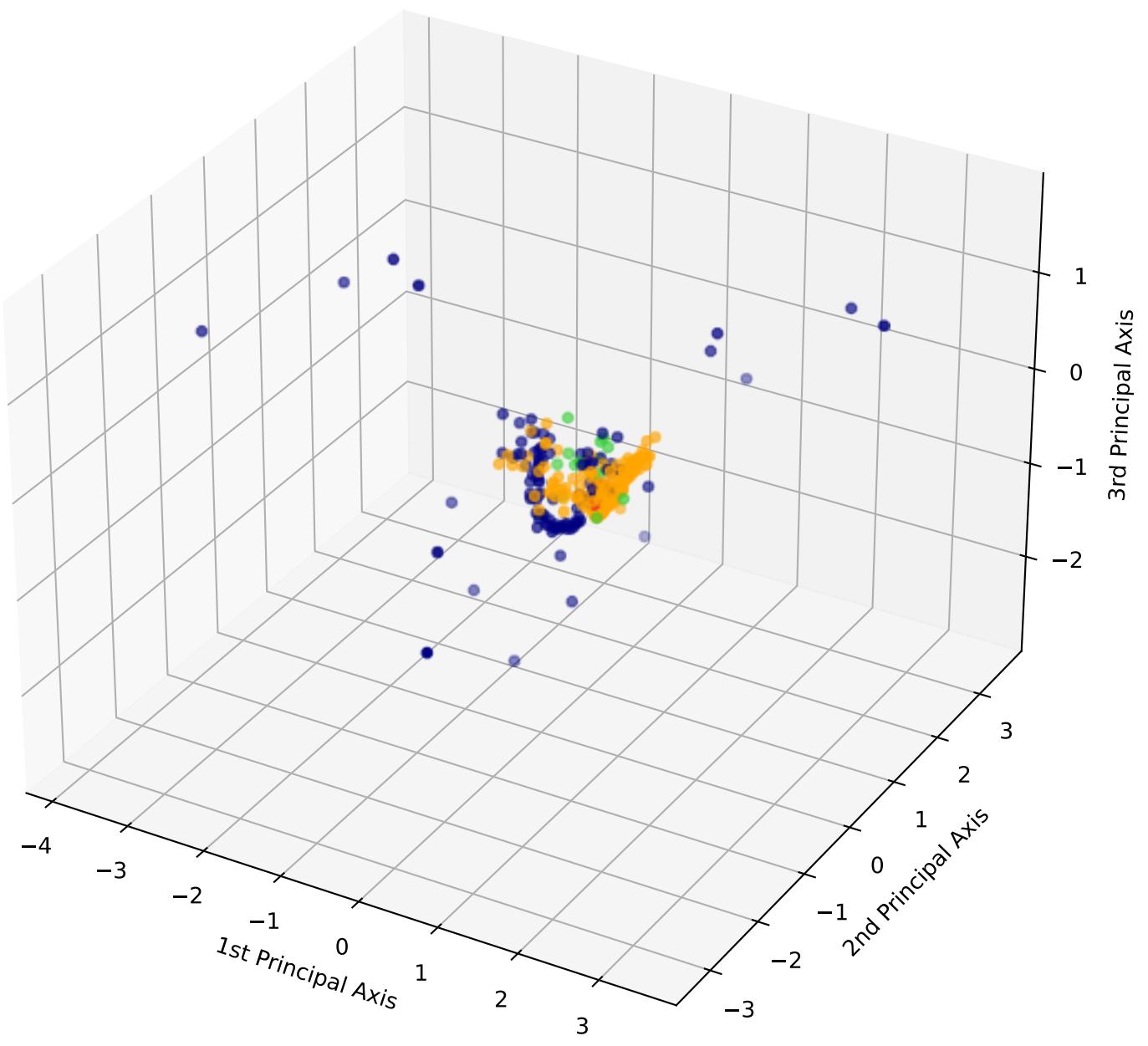


Angle 4

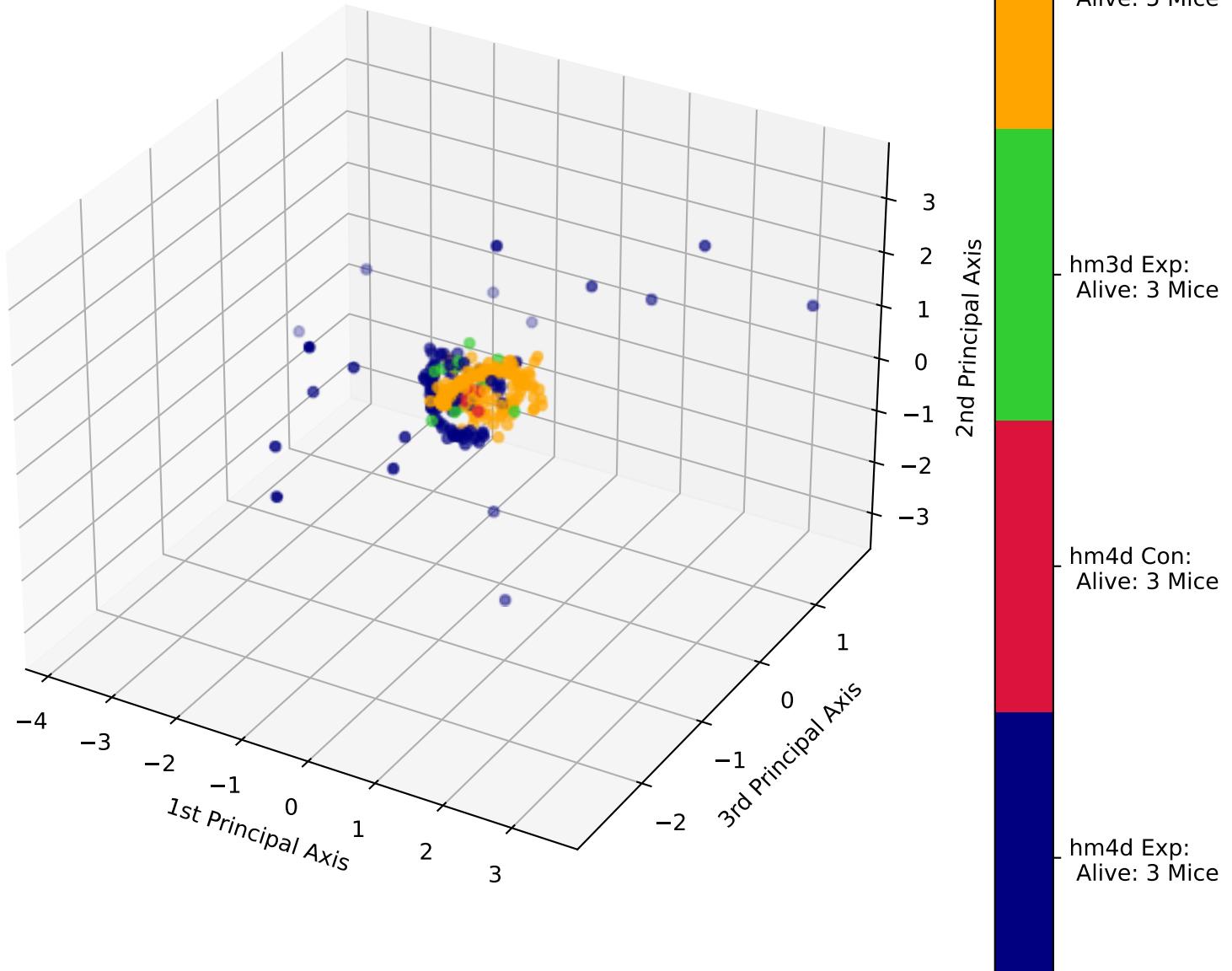


Trial Number: 6, Phase: Apnea Starts

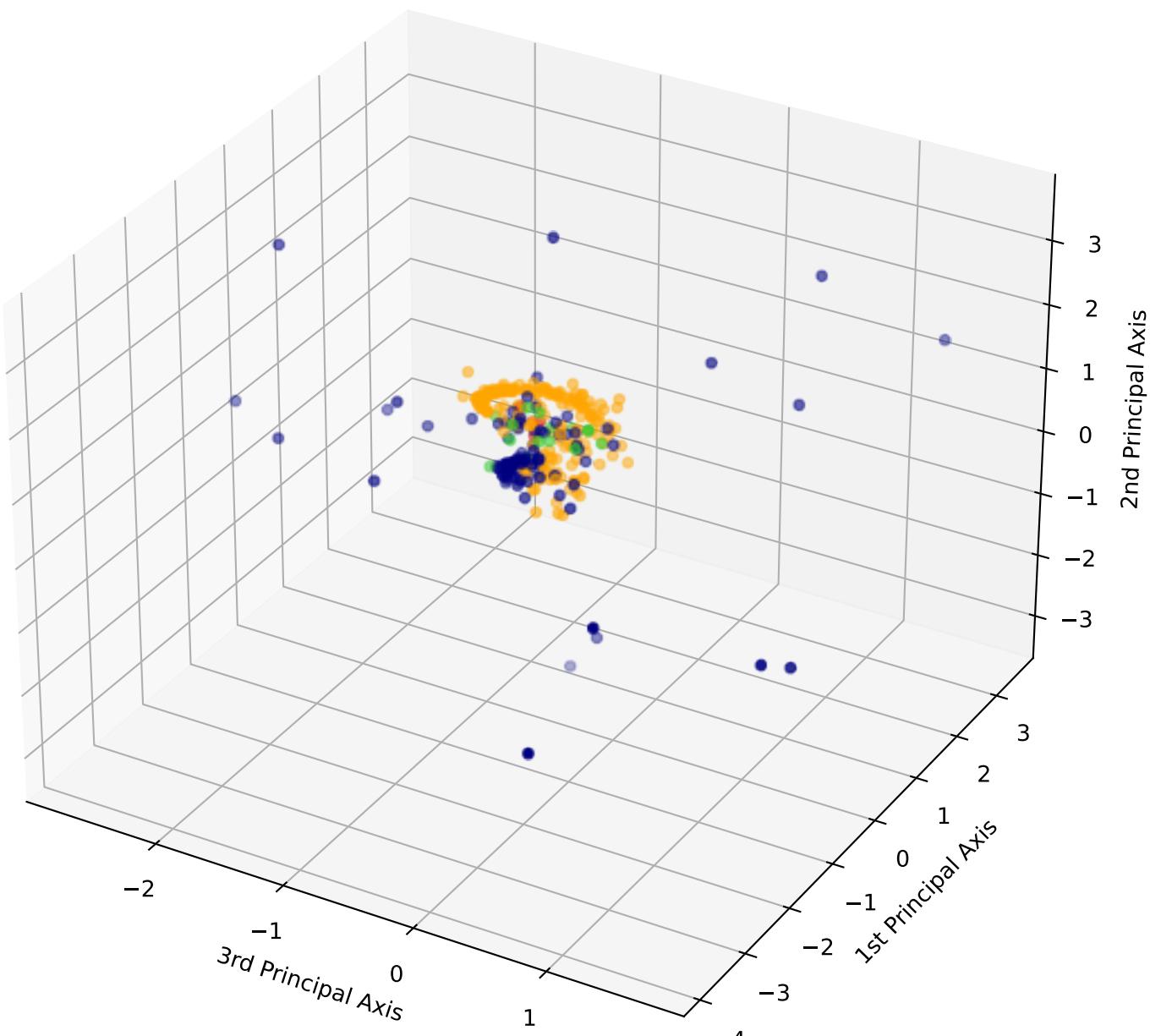
Angle 1



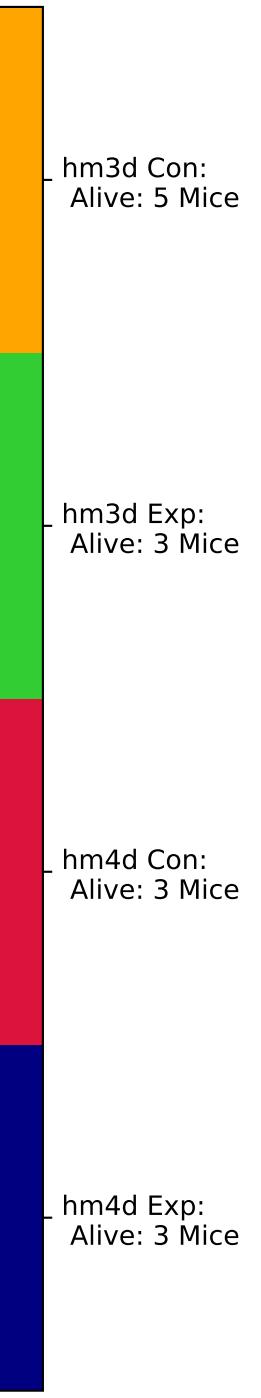
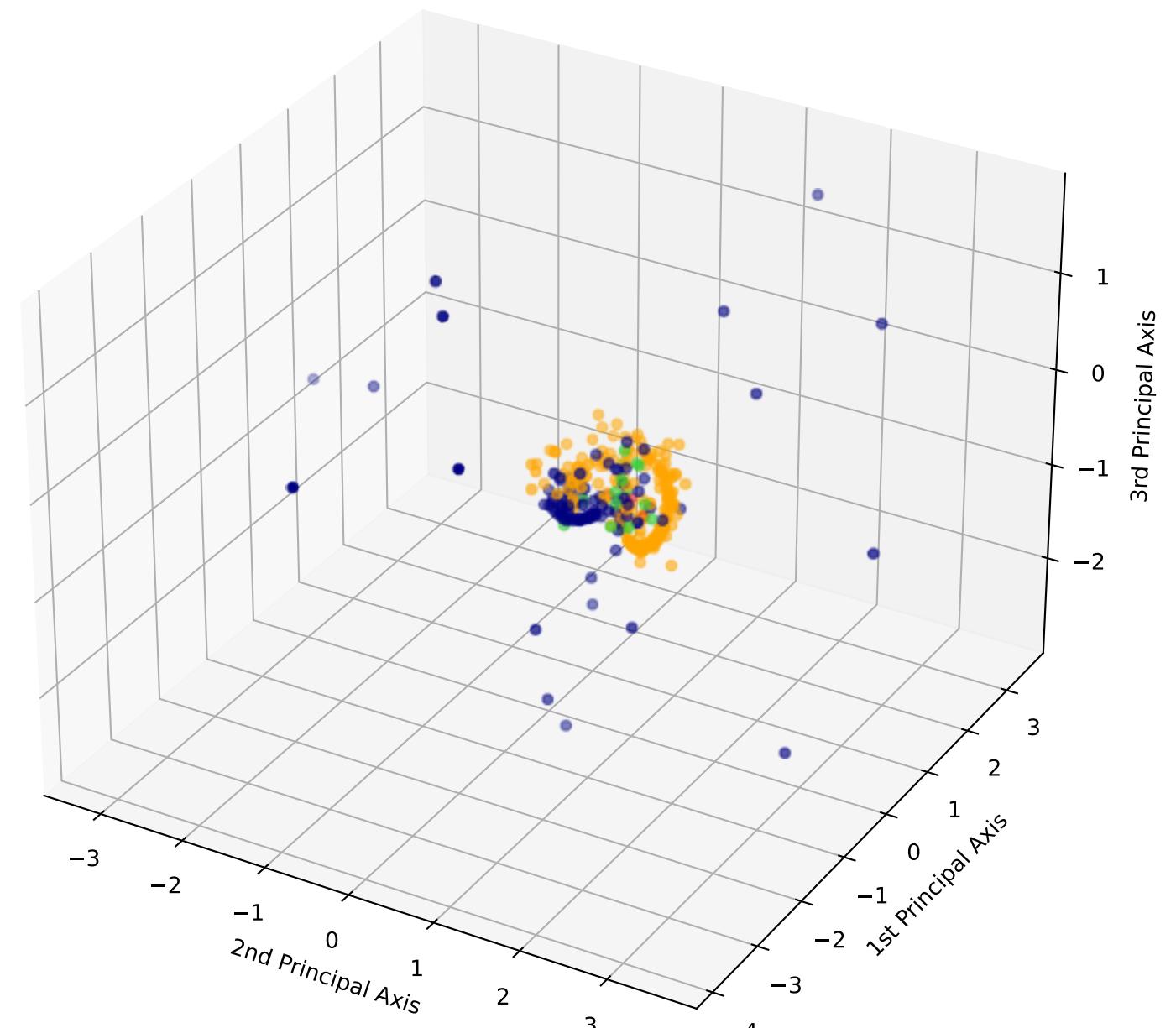
Angle 2



Angle 3

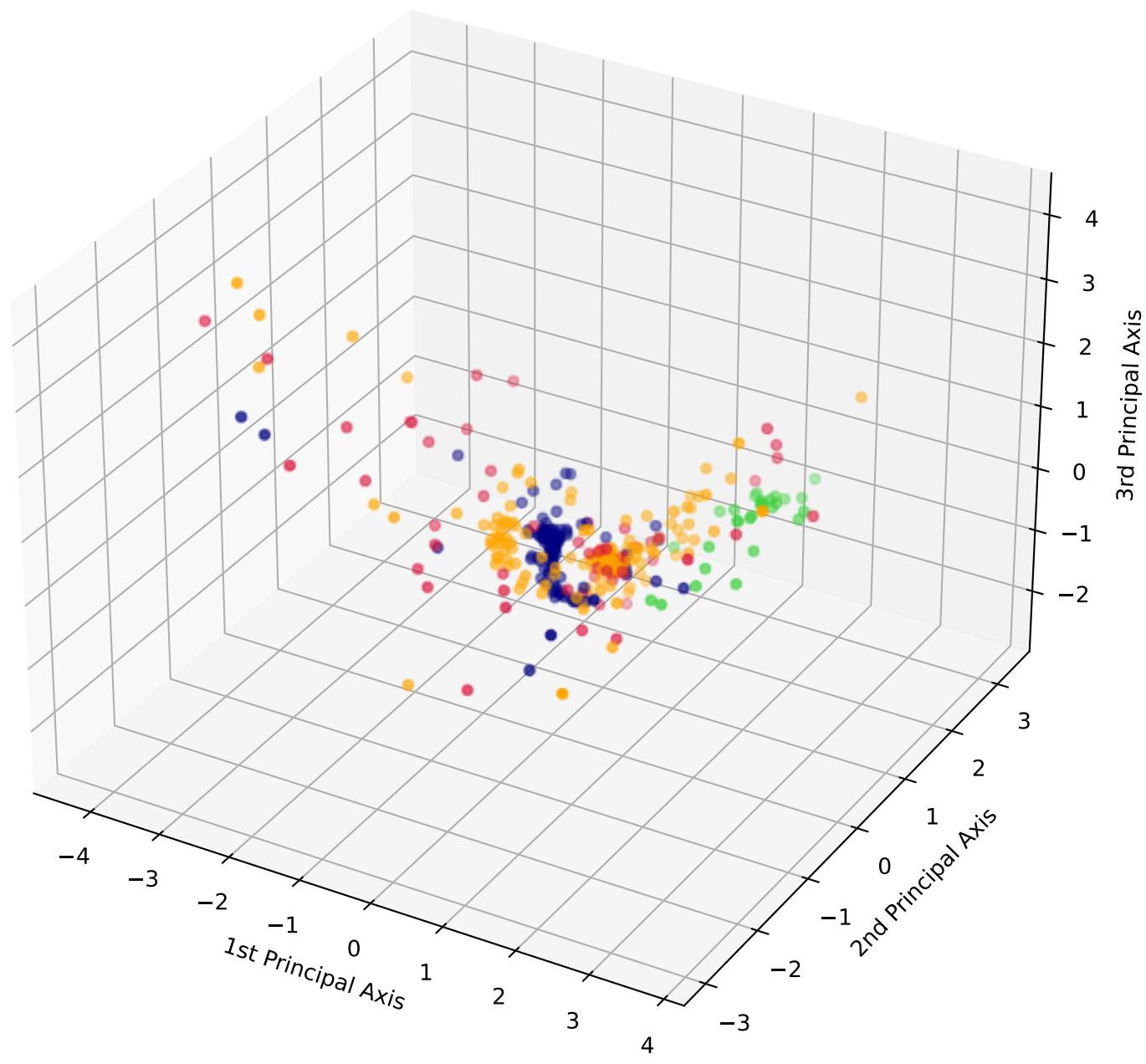


Angle 4

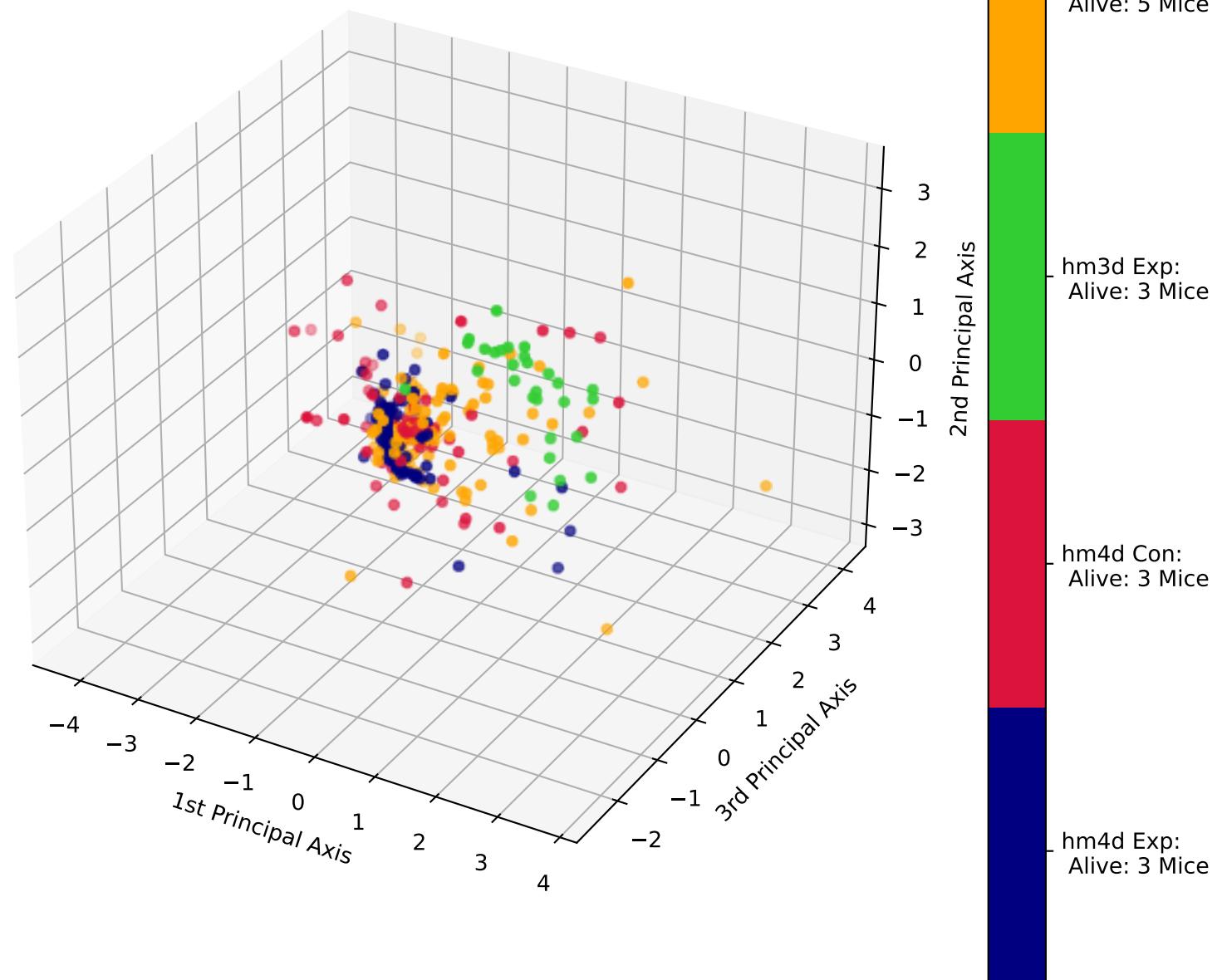


Trial Number: 6, Phase: First Gasp

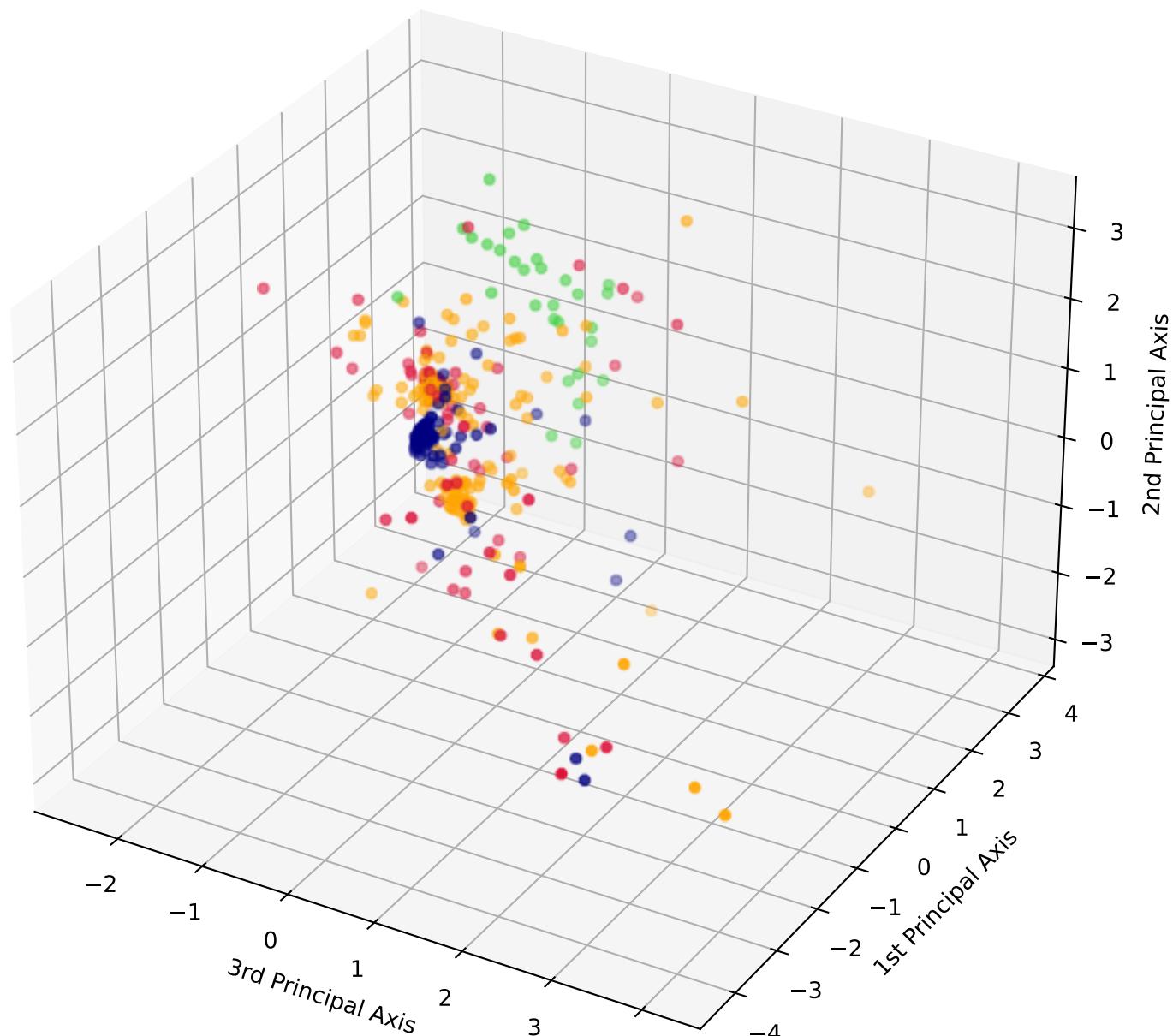
Angle 1



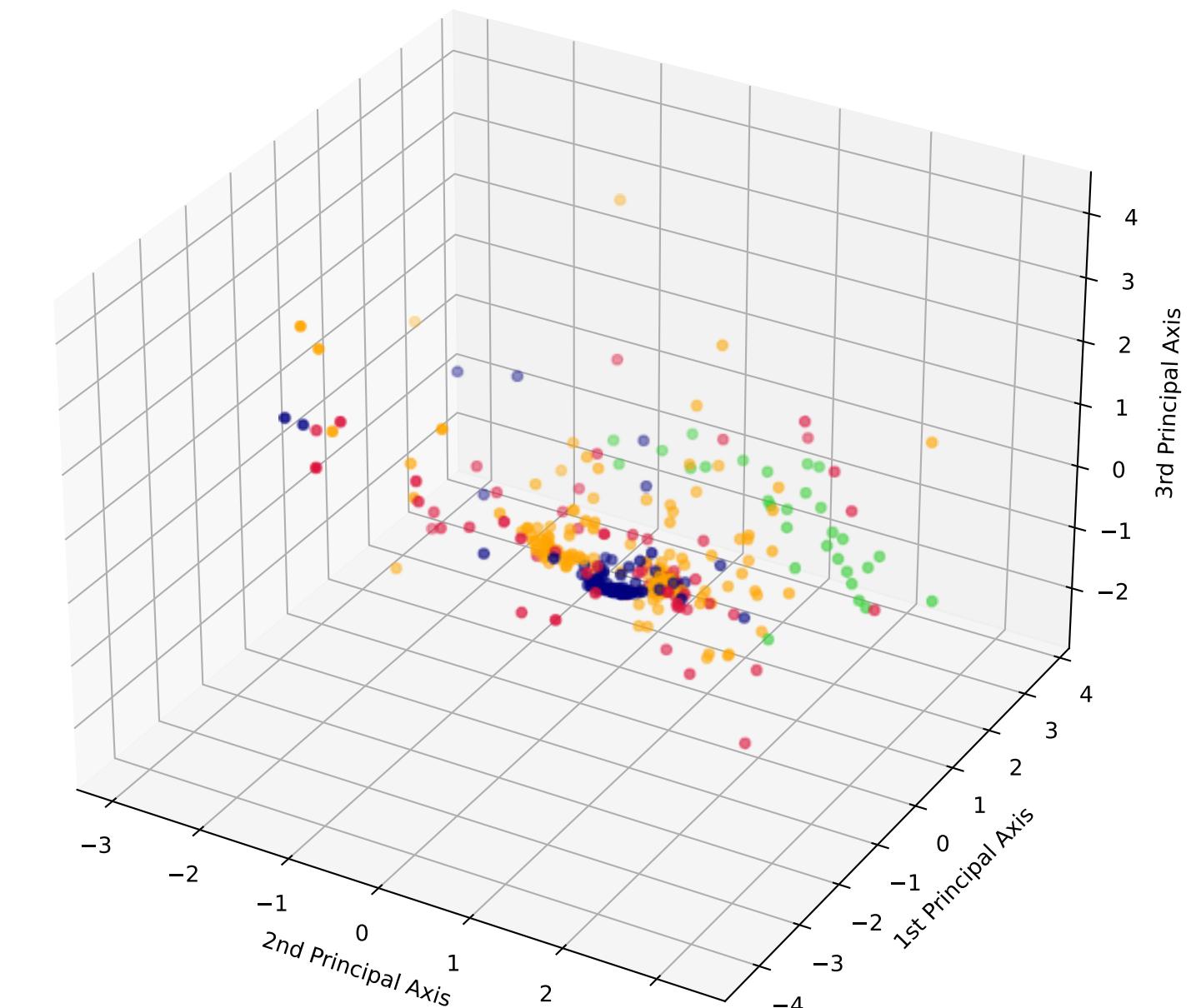
Angle 2



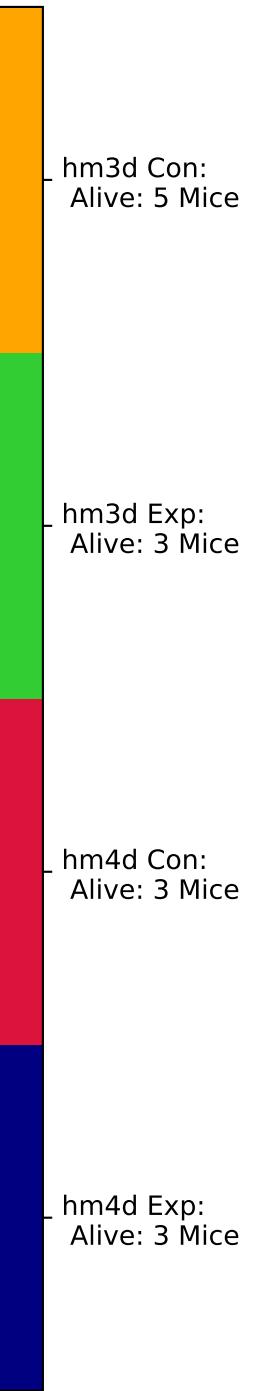
Angle 3



Angle 4

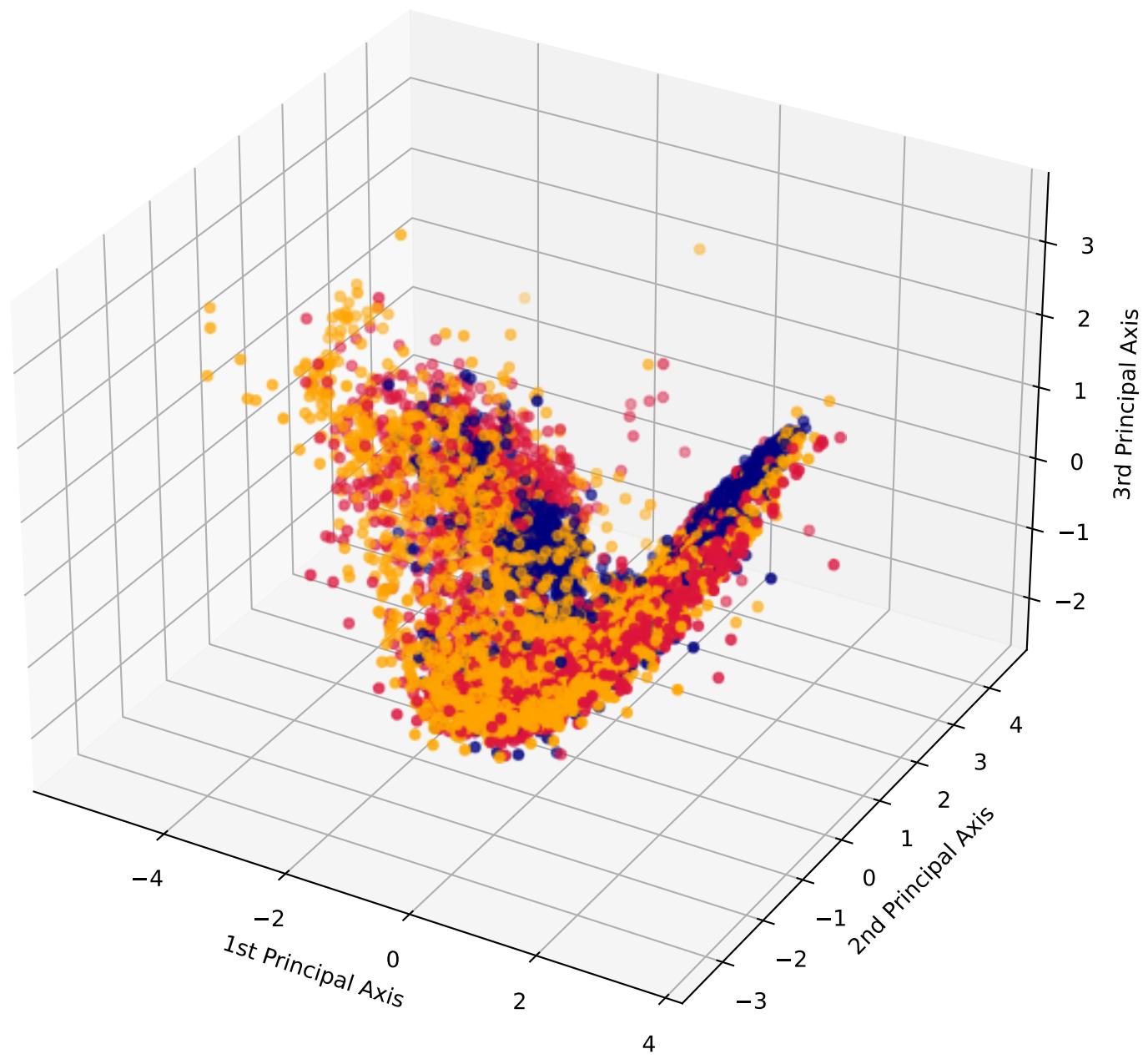


Mice Expired: ('M20865', 'hm3d Exp') ('M20867', 'hm3d Exp') ('M20869', 'hm3d Exp')

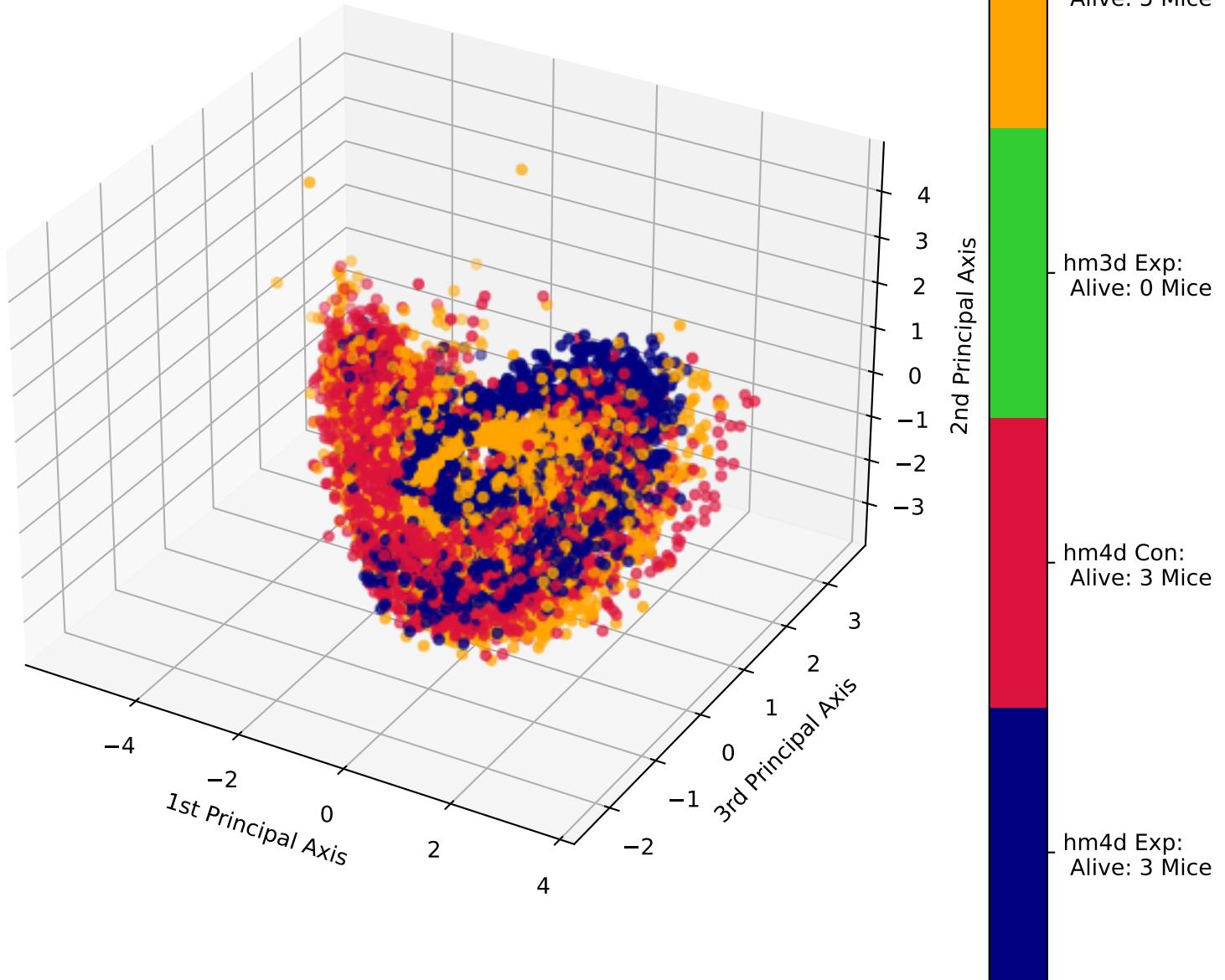


Trial Number: 6, Phase: Eupnea Recovery

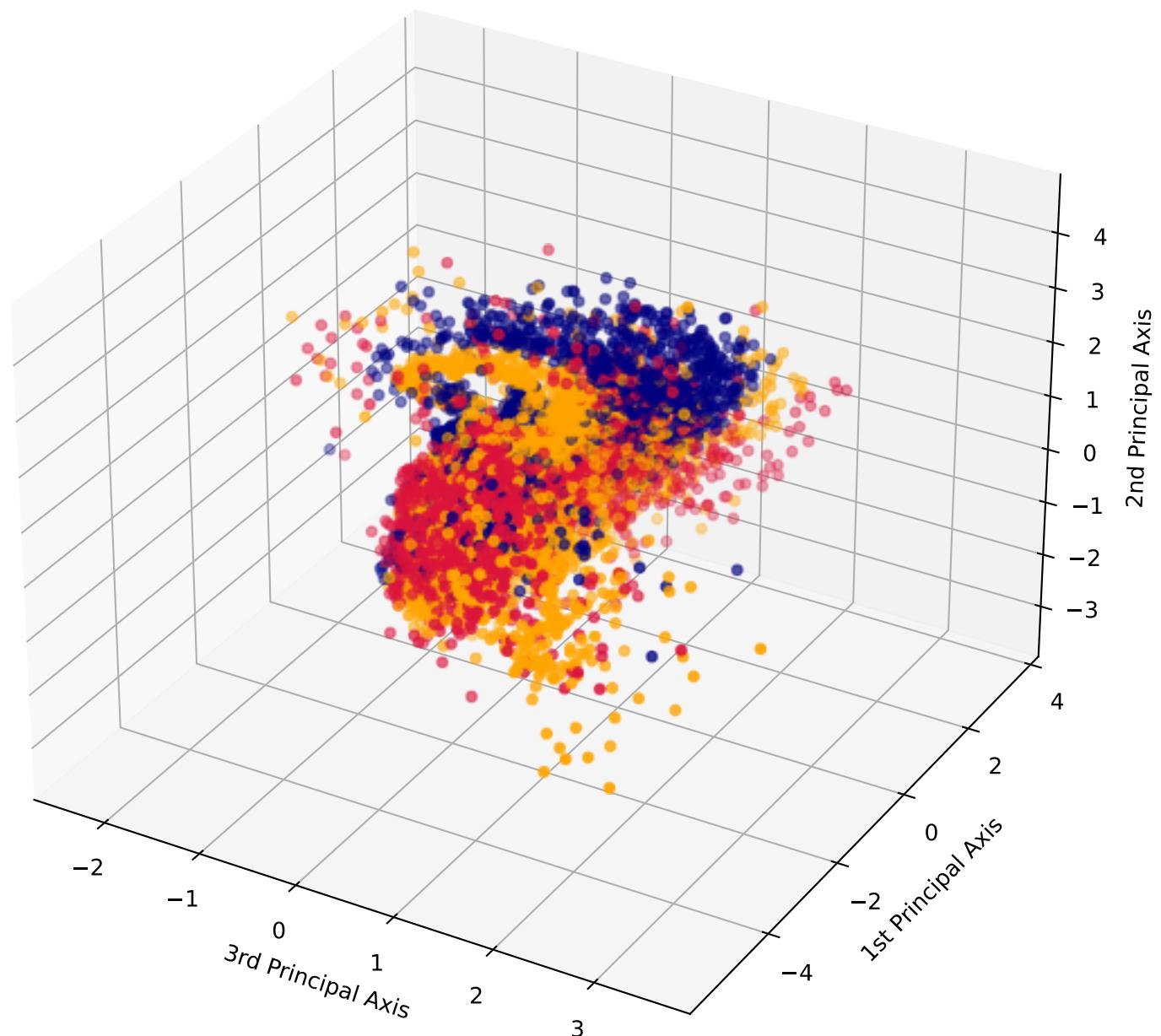
Angle 1



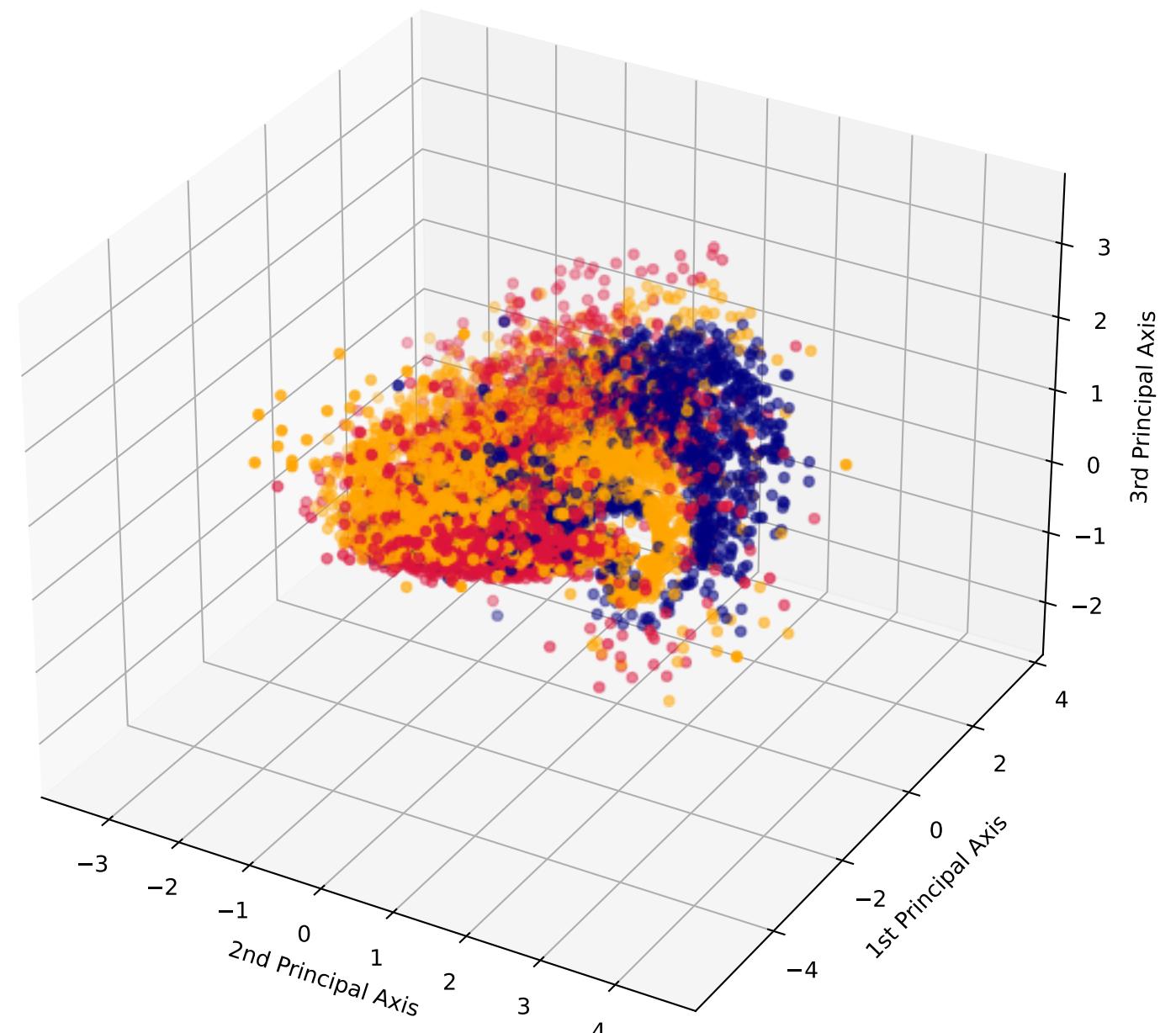
Angle 2



Angle 3

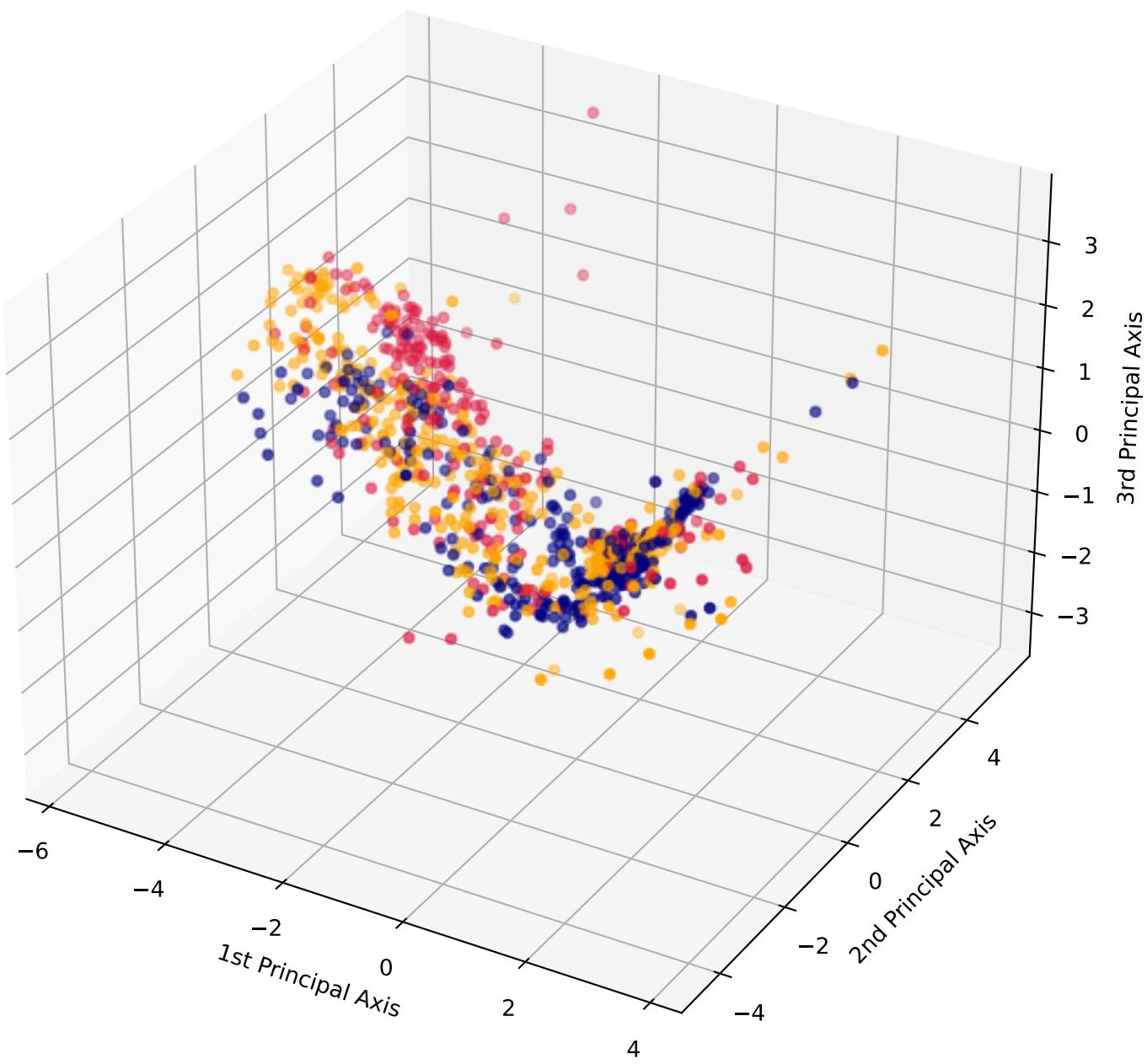


Angle 4

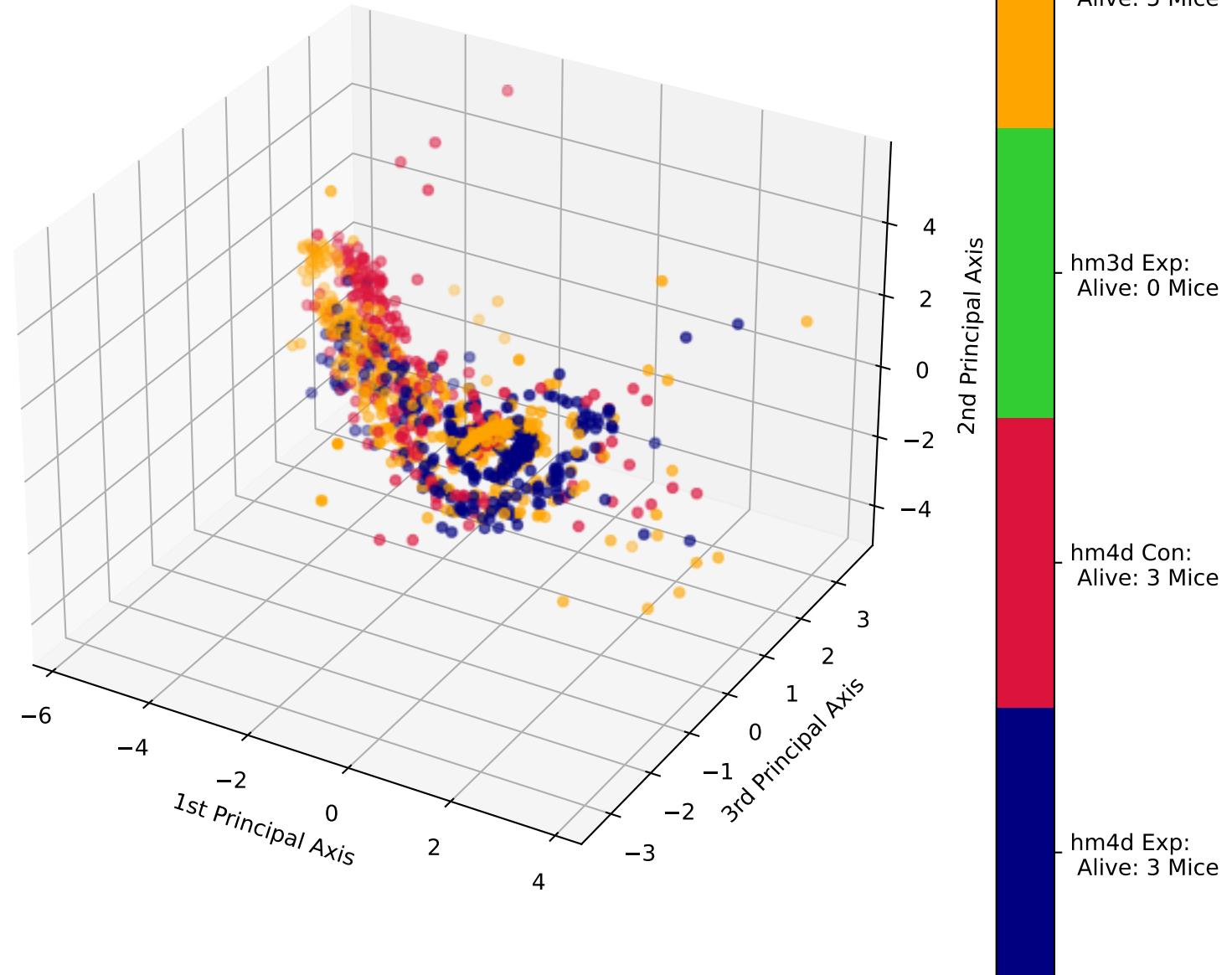


Trial Number: 7, Phase: Trial Onset

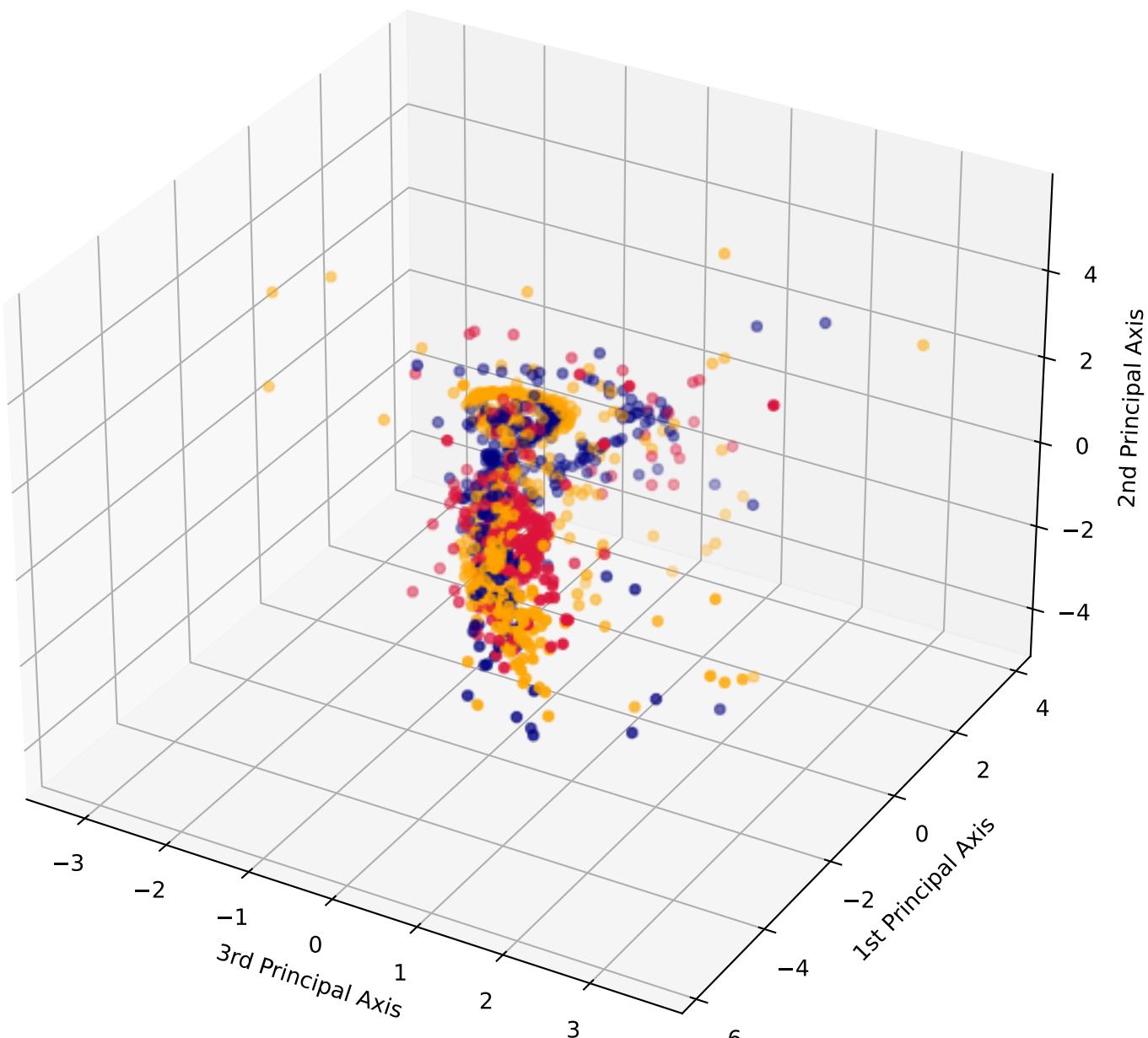
Angle 1



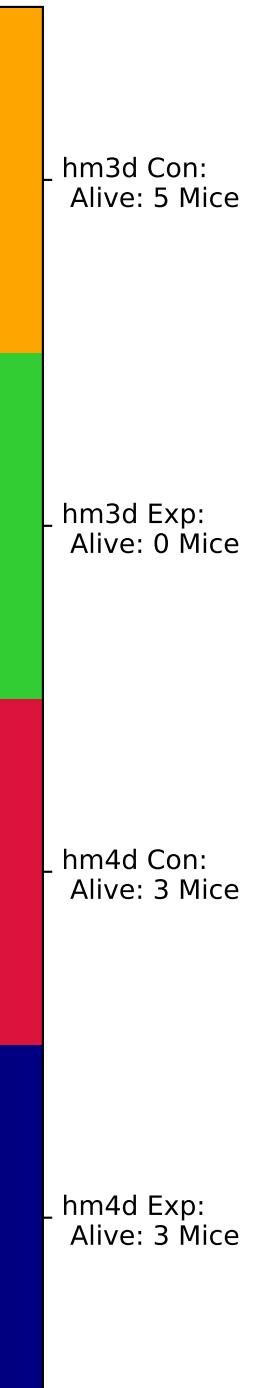
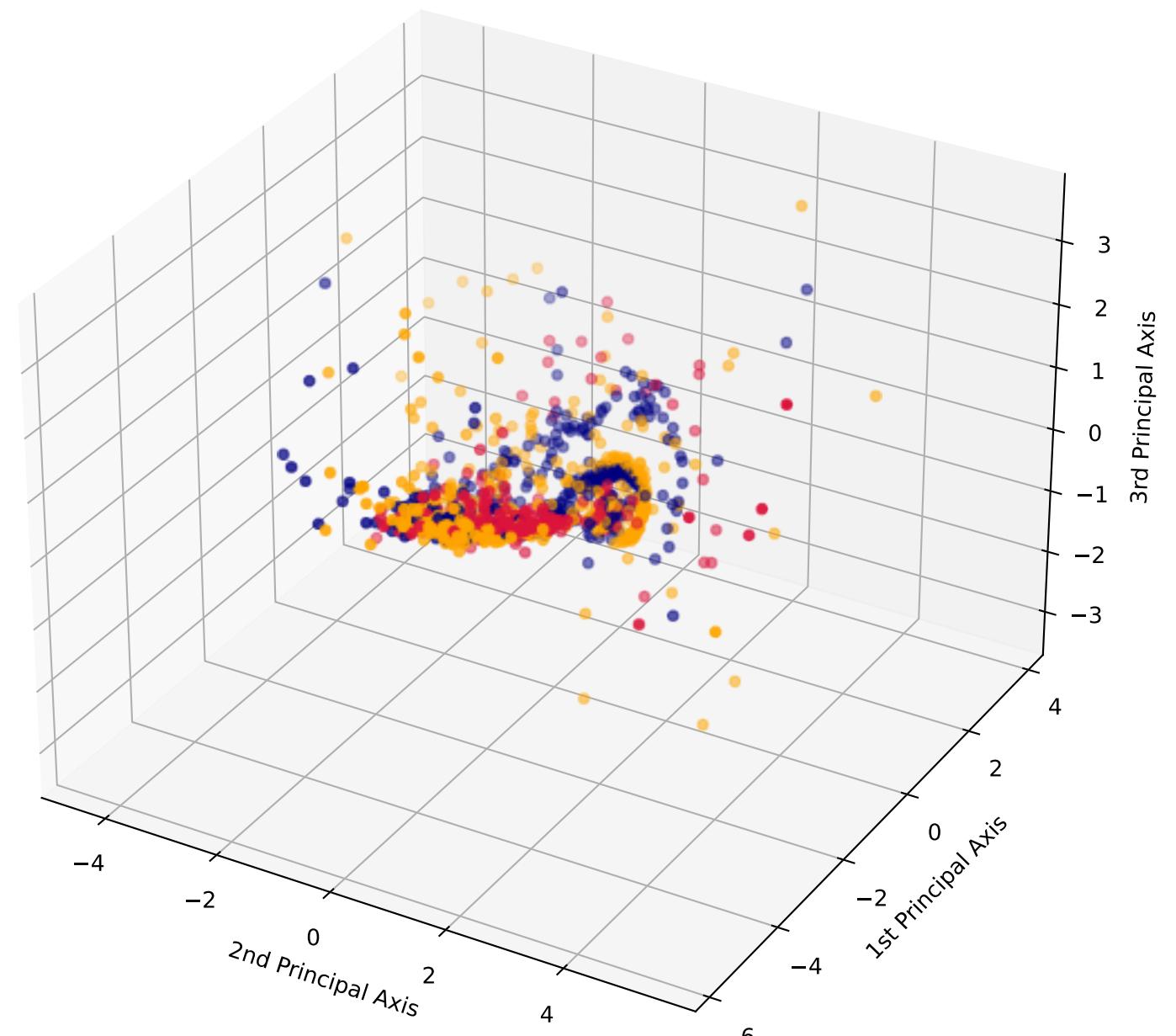
Angle 2



Angle 3

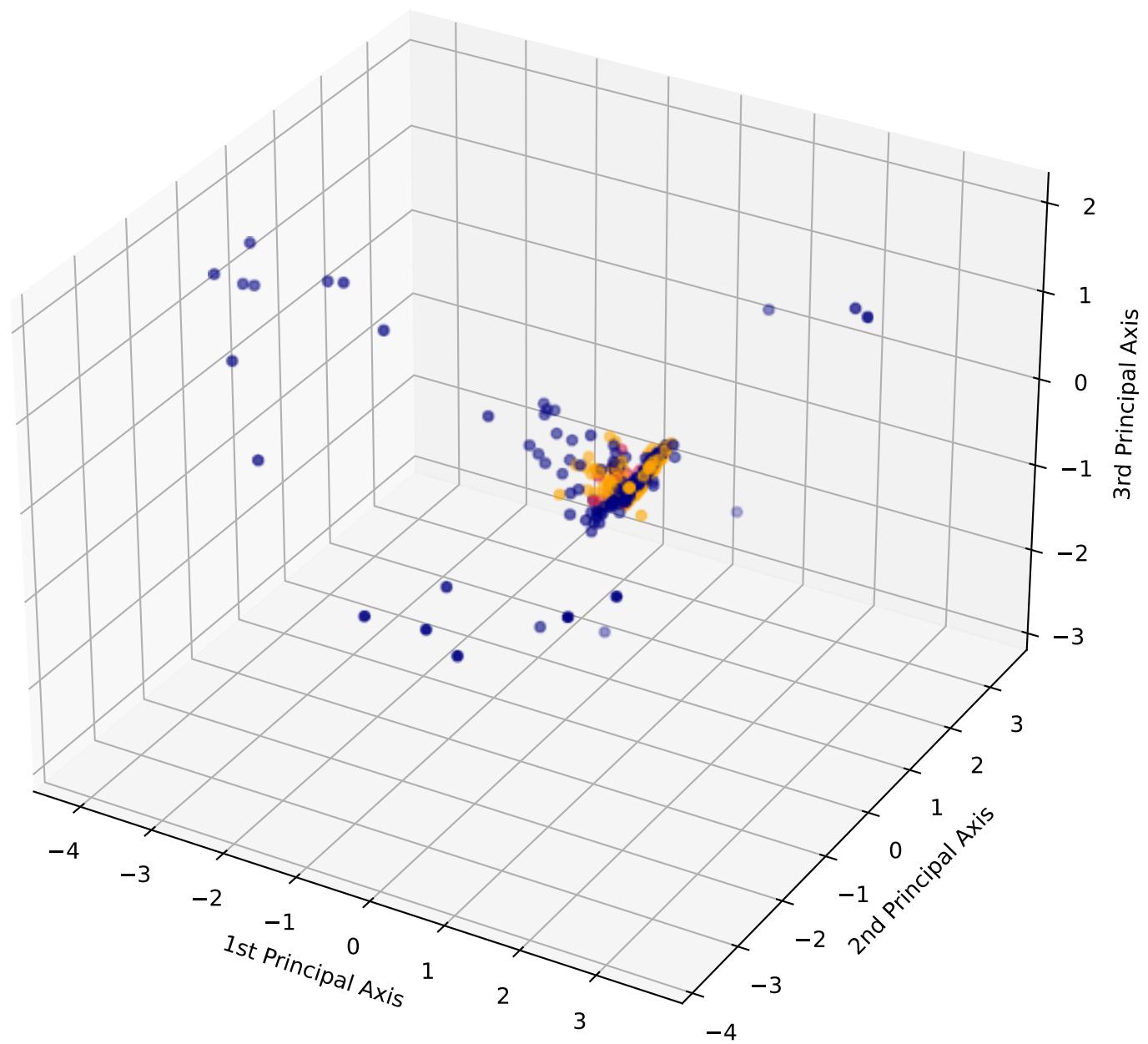


Angle 4

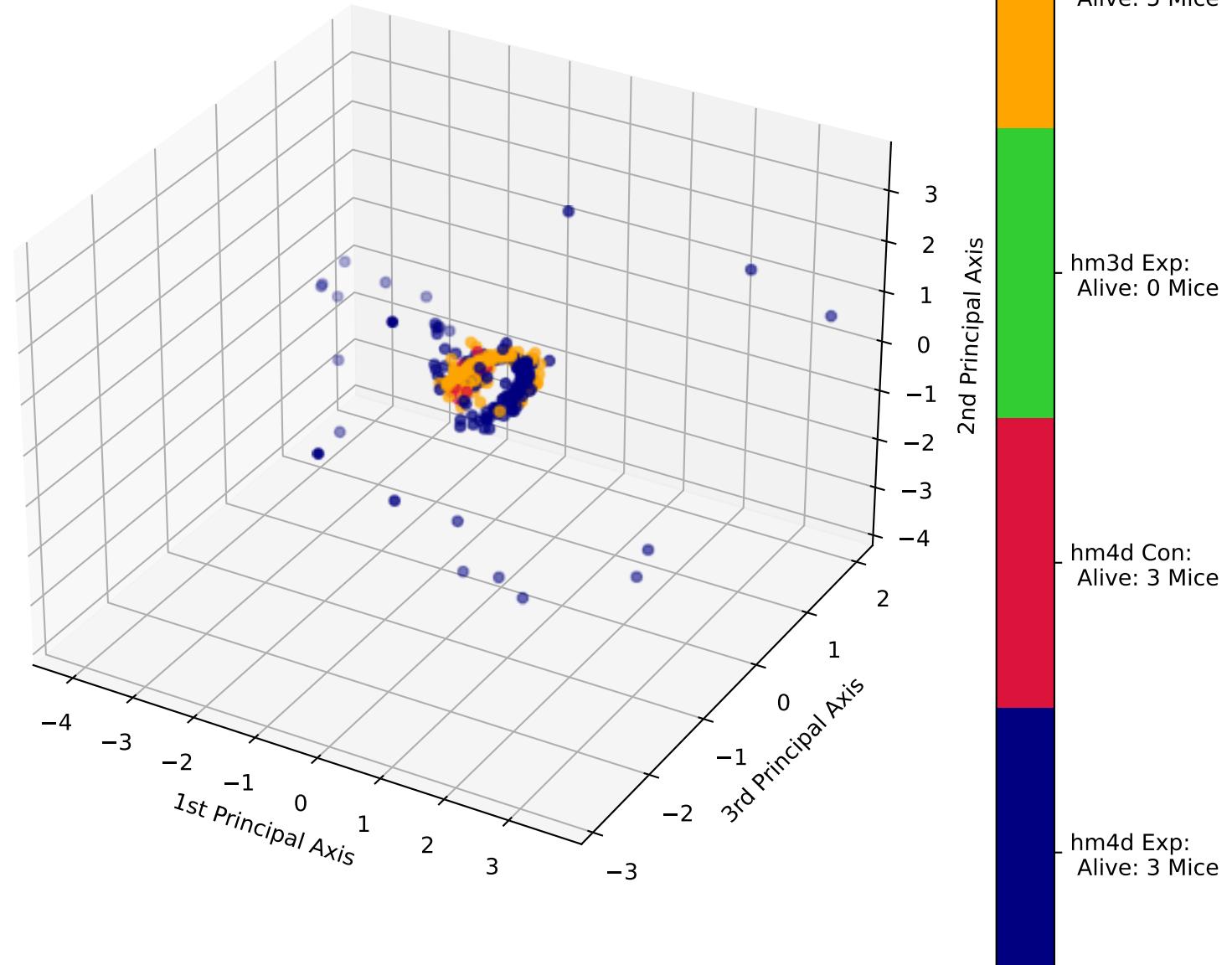


Trial Number: 7, Phase: Apnea Starts

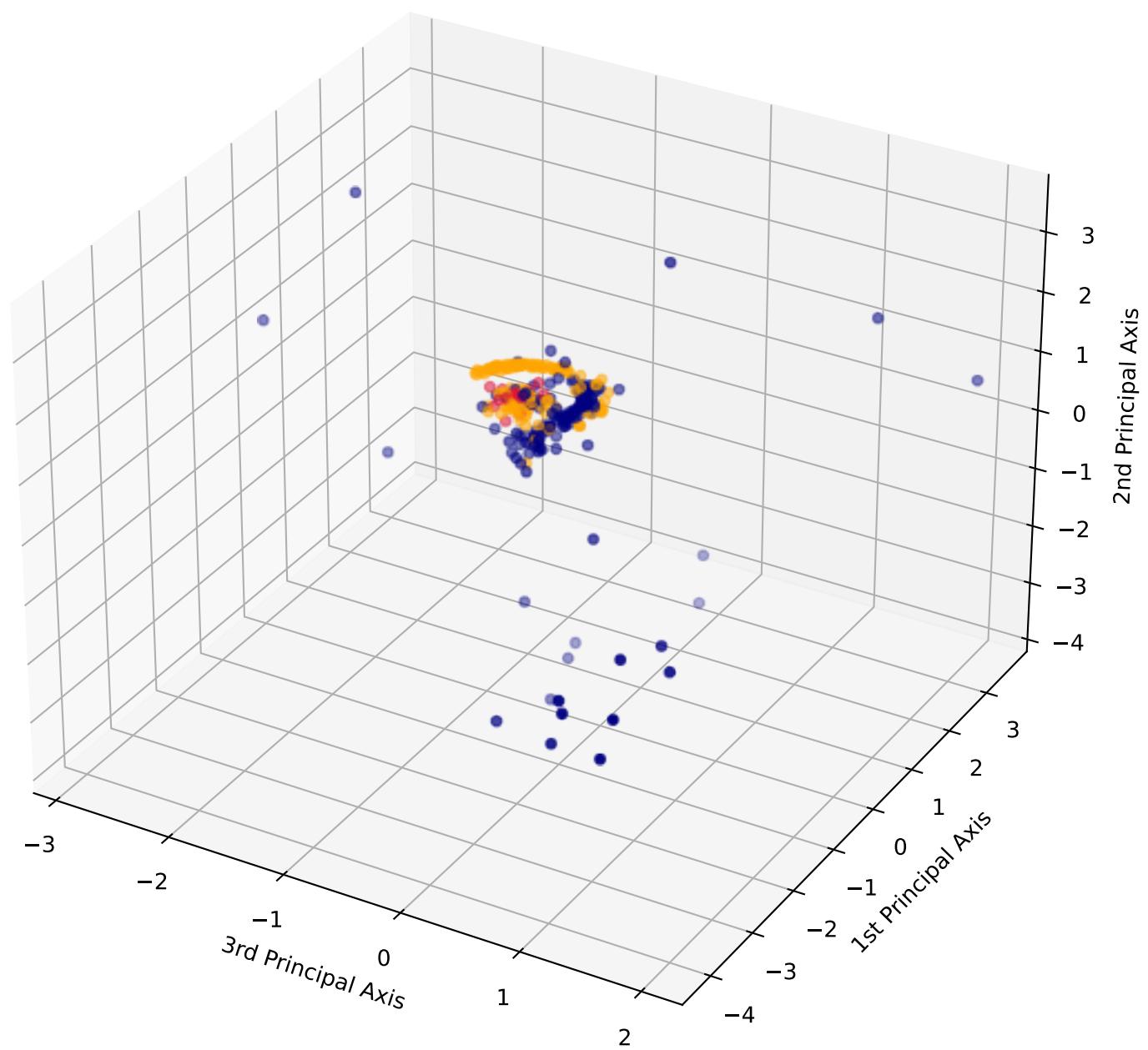
Angle 1



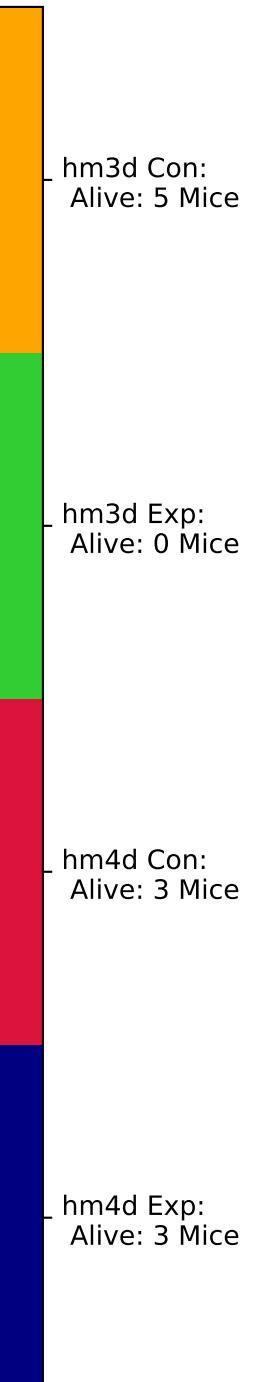
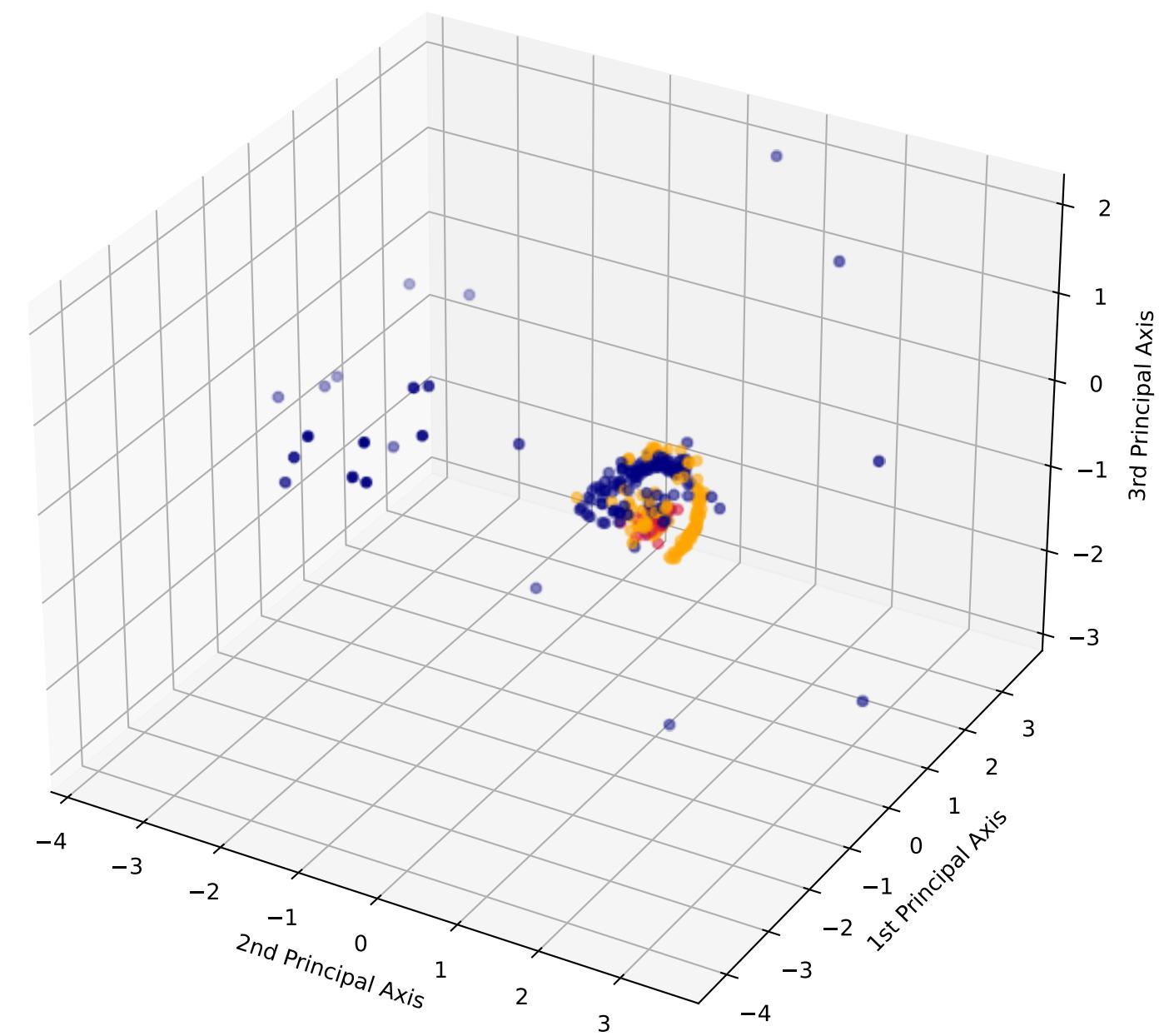
Angle 2



Angle 3

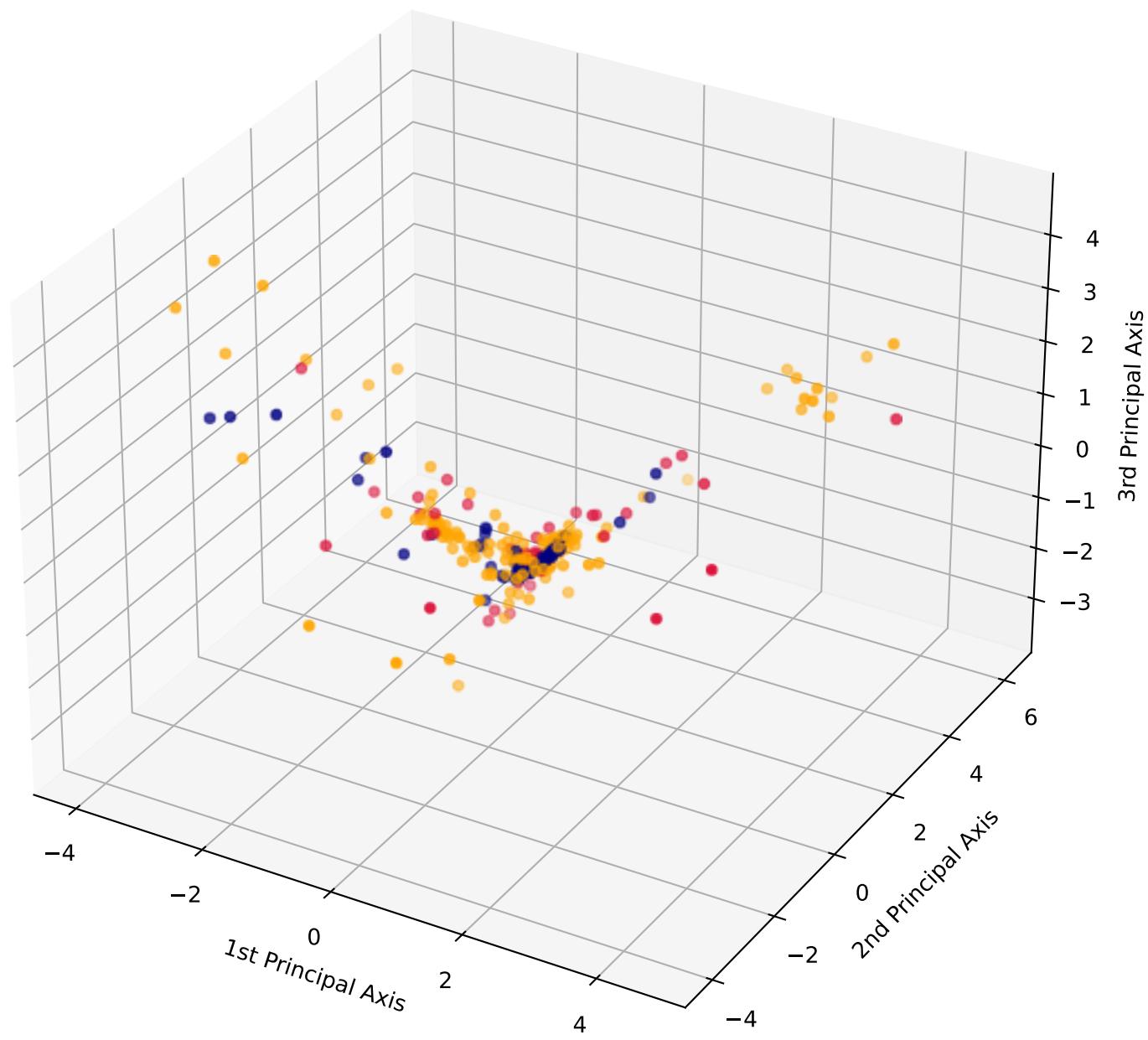


Angle 4

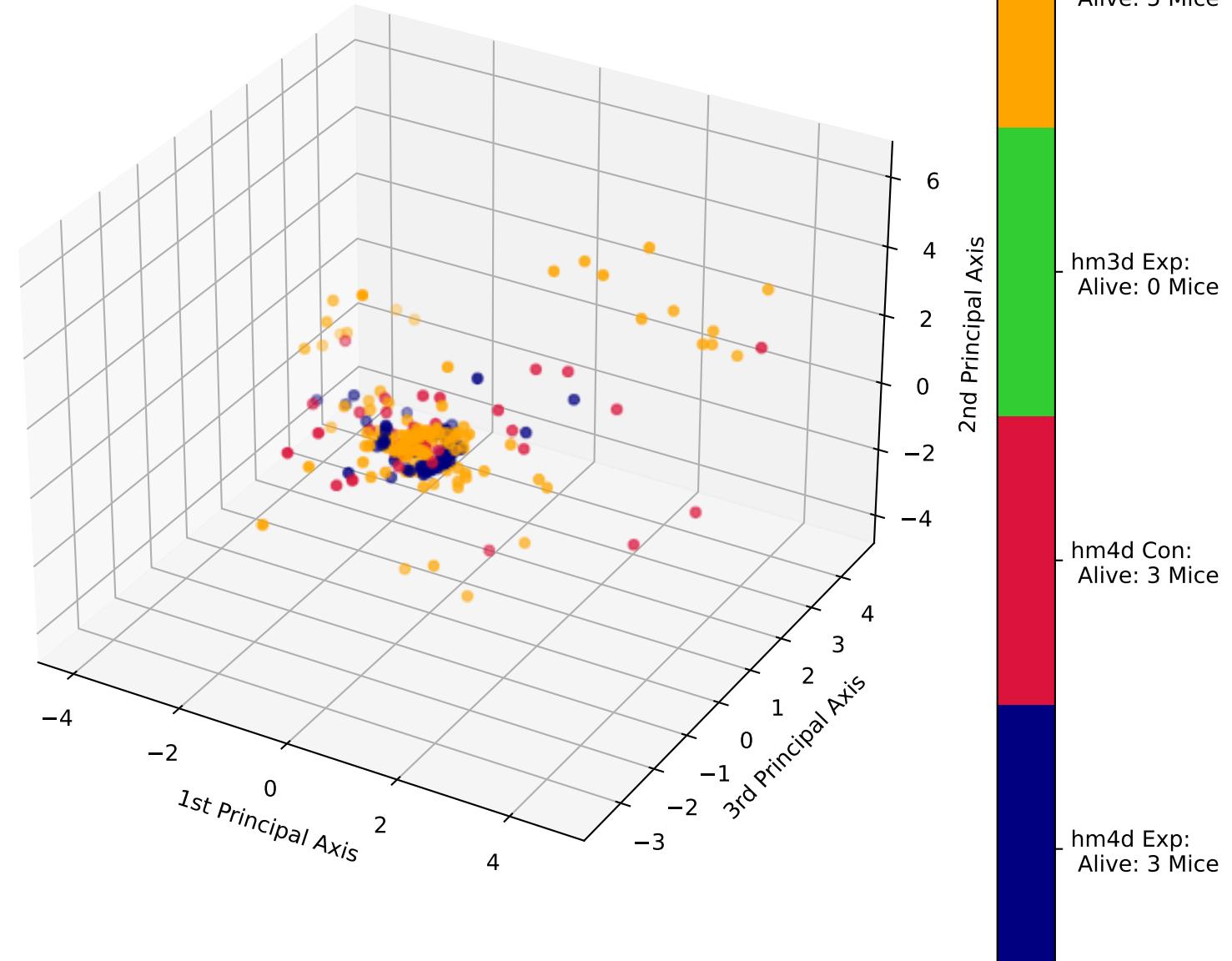


Trial Number: 7, Phase: First Gasp

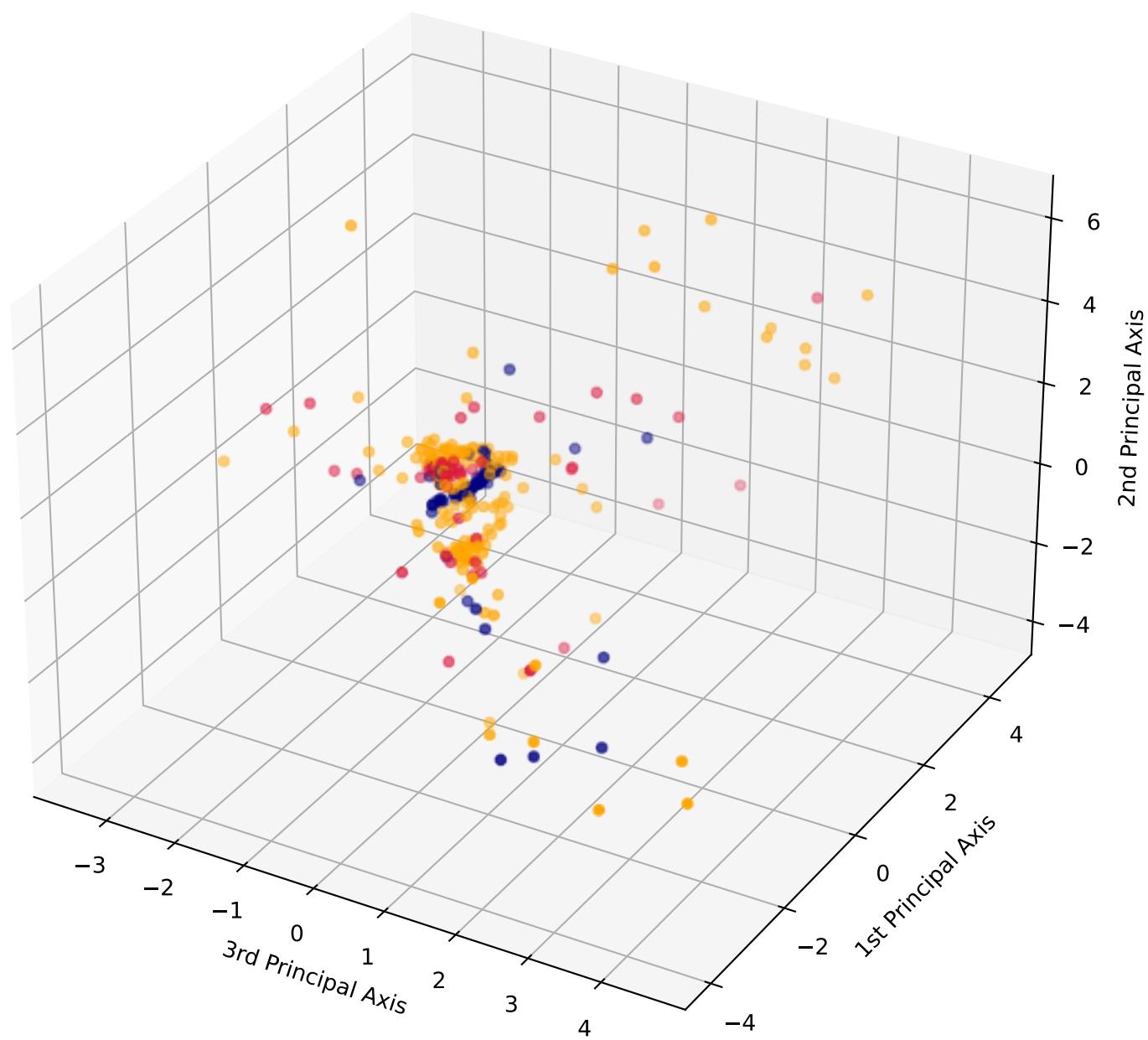
Angle 1



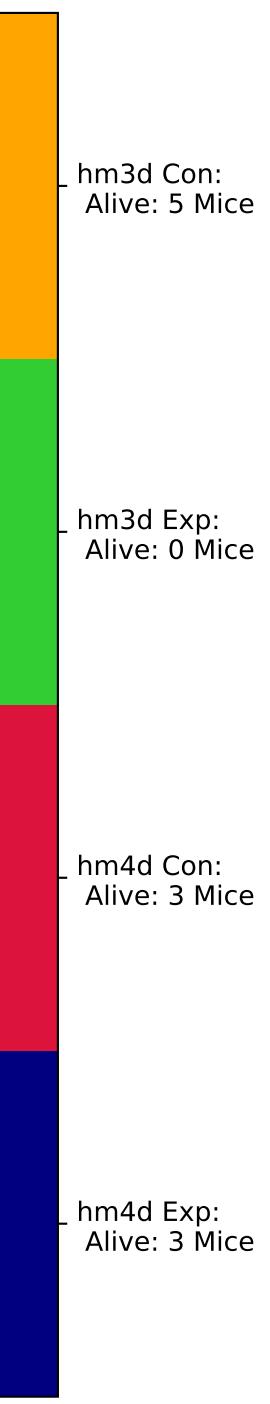
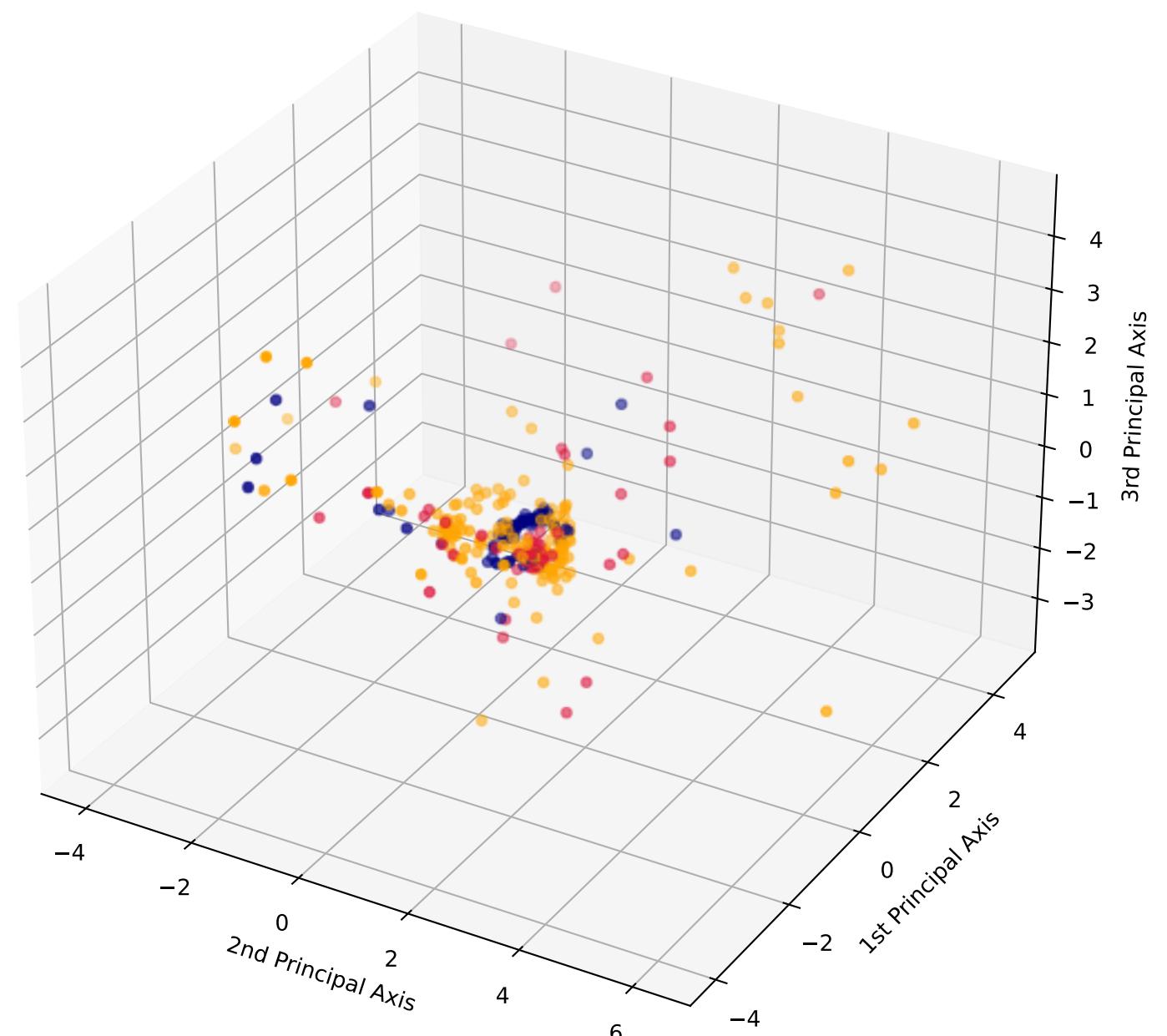
Angle 2



Angle 3

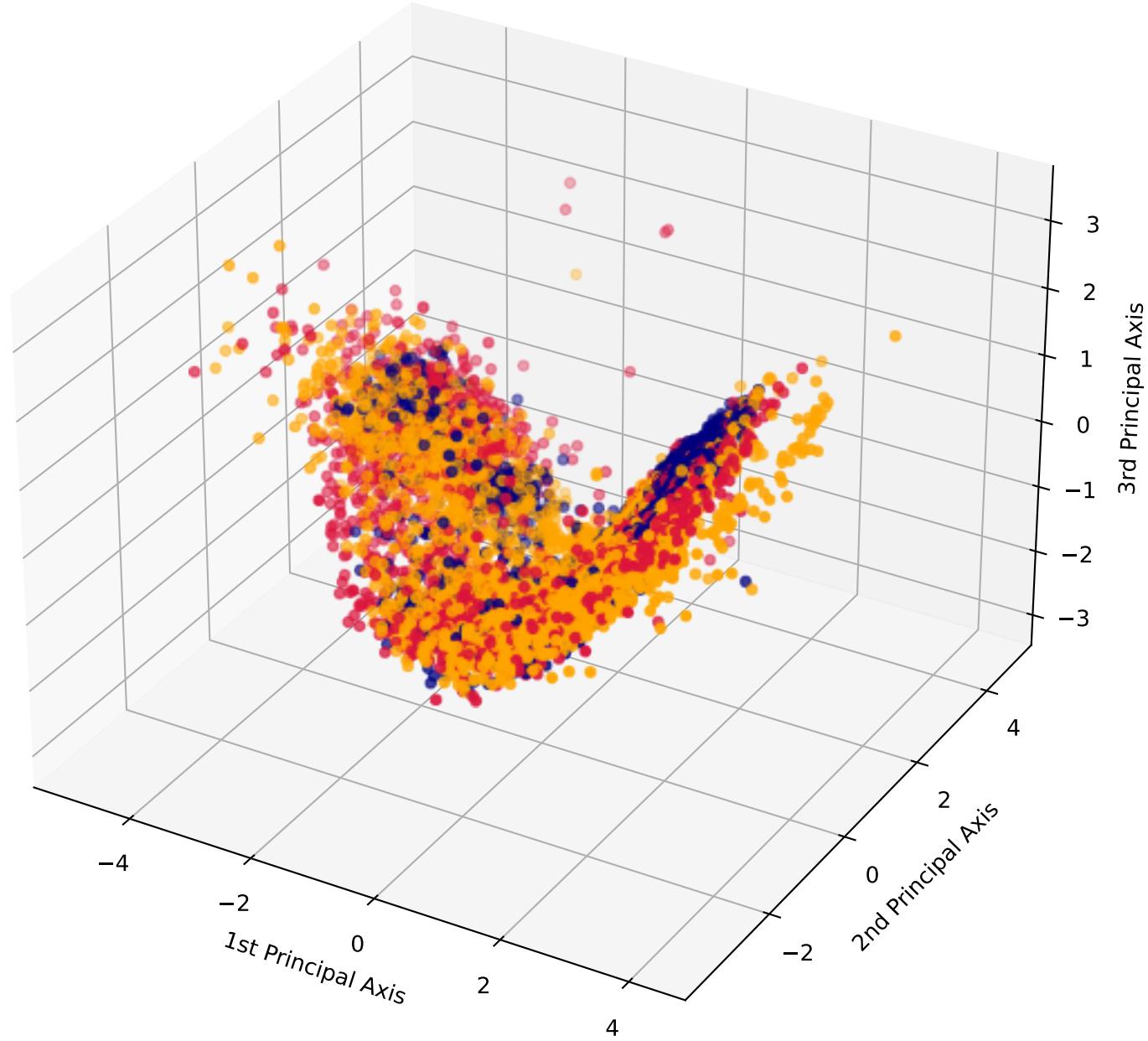


Angle 4

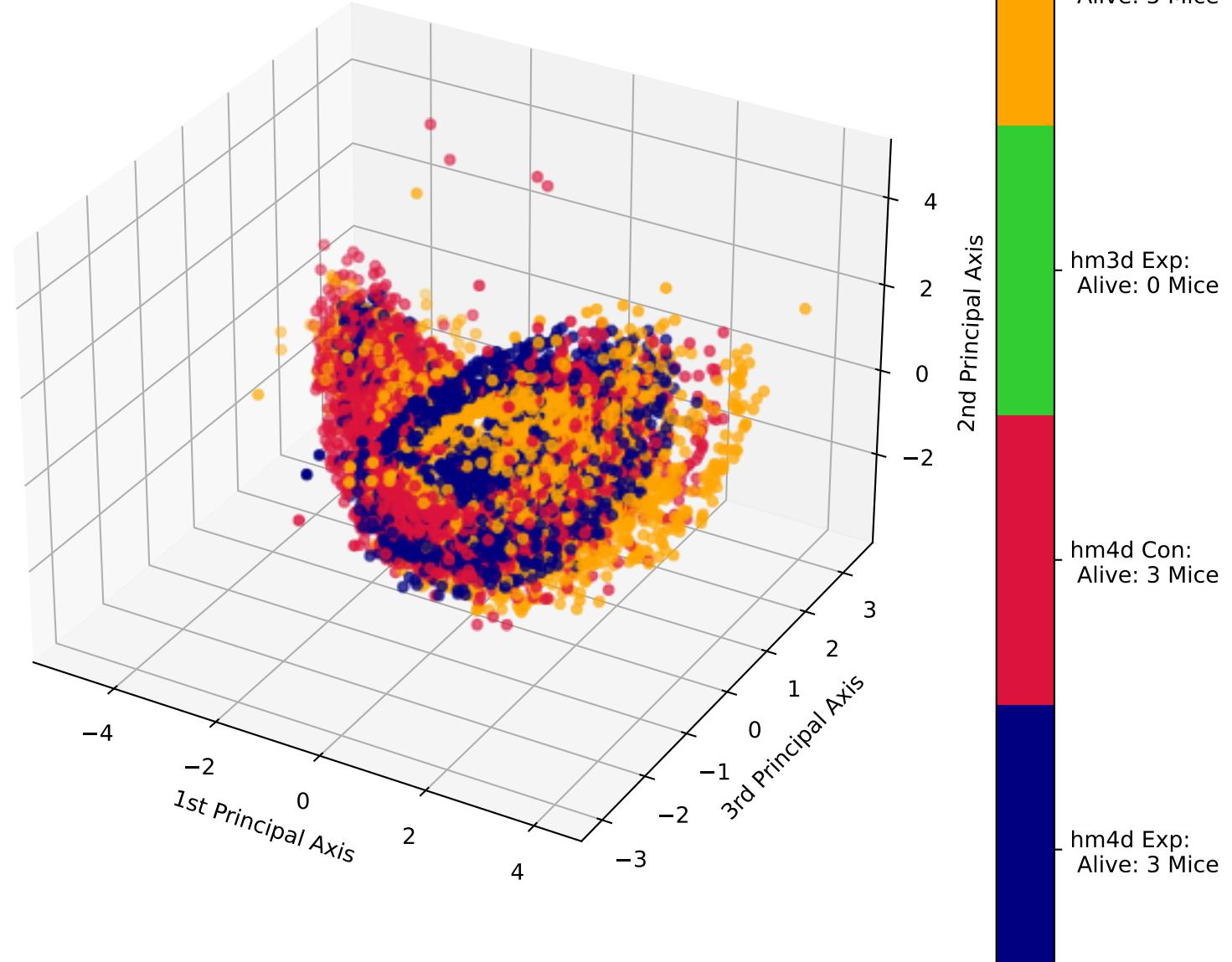


Trial Number: 7, Phase: Eupnea Recovery

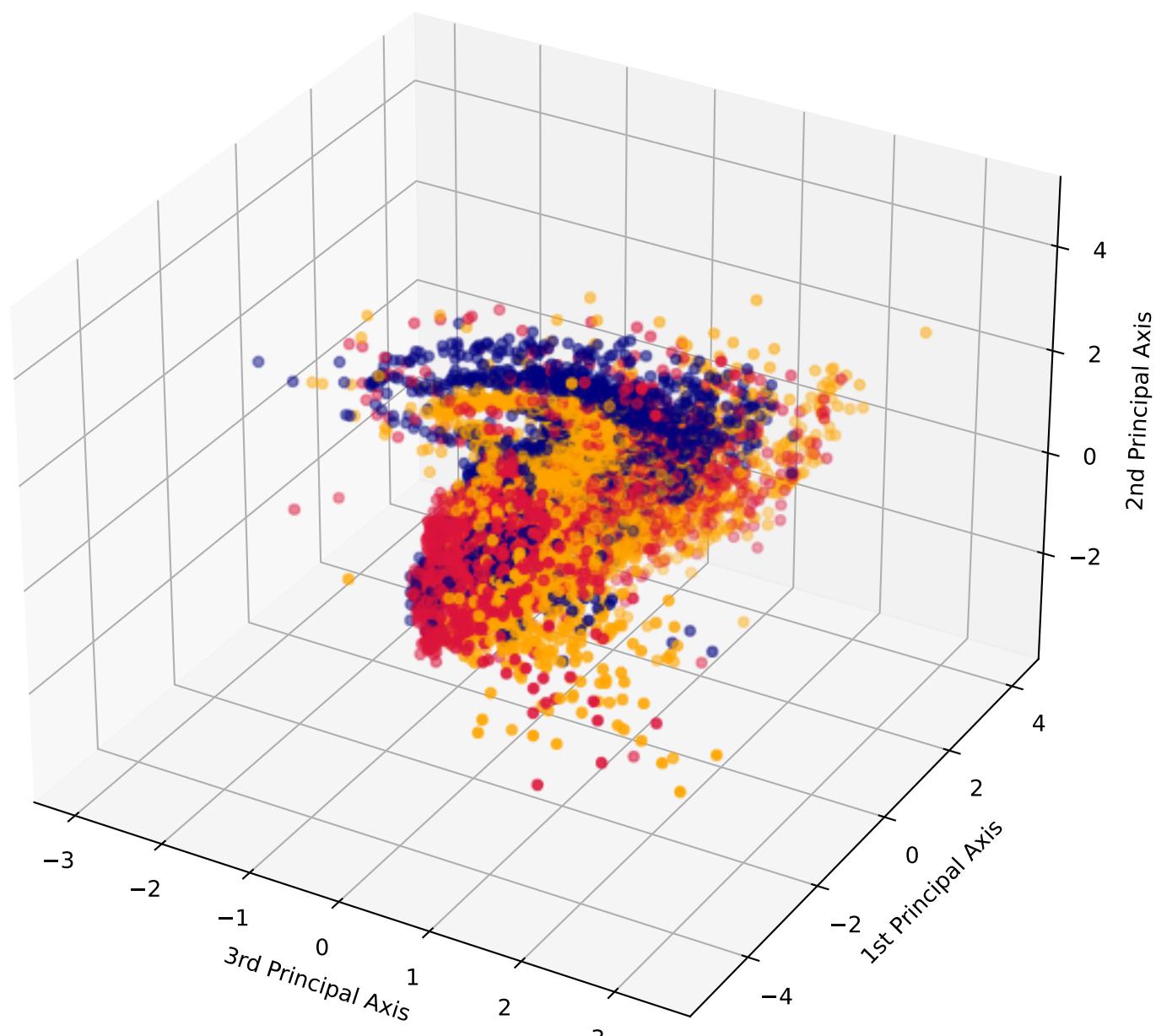
Angle 1



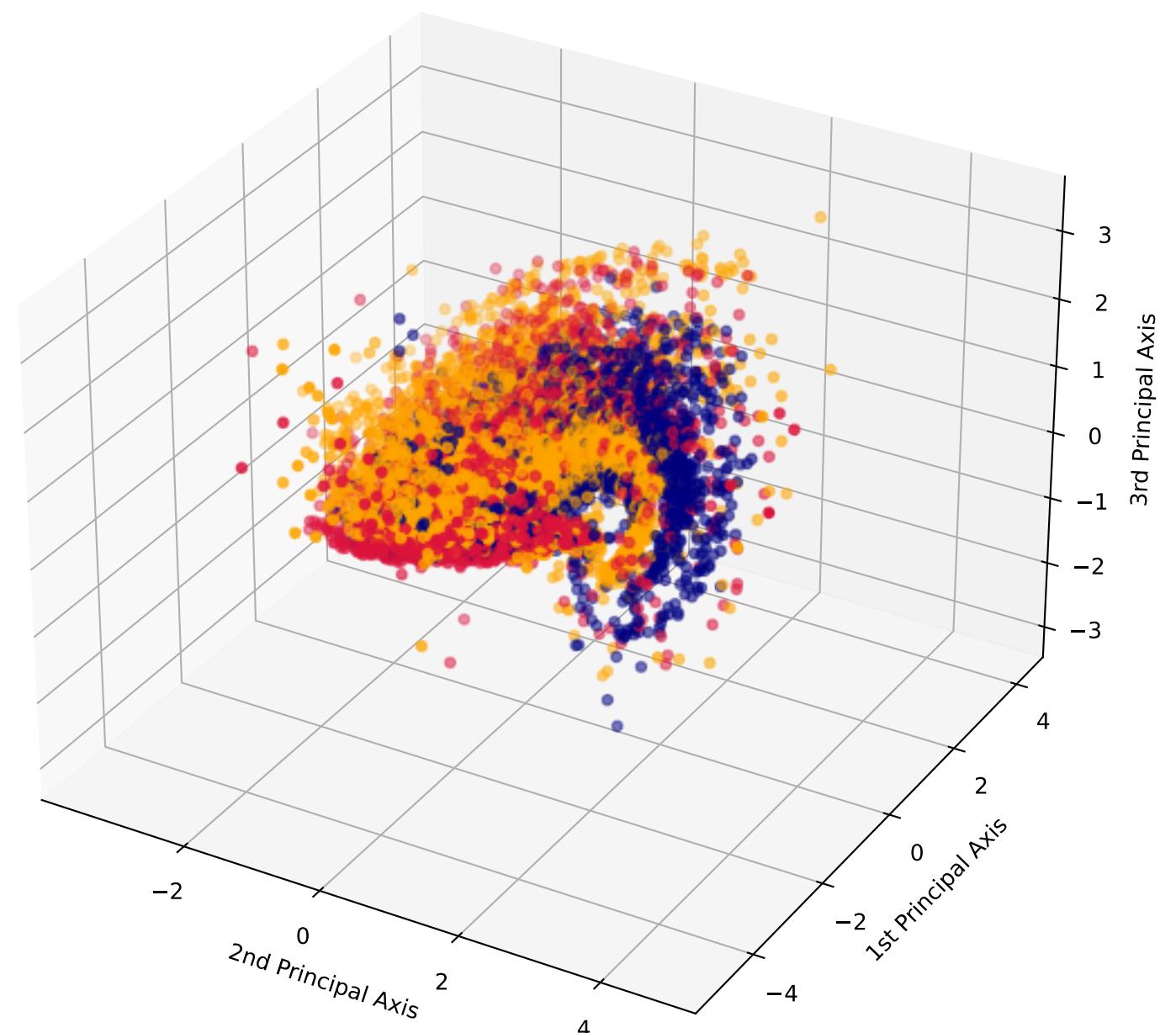
Angle 2



Angle 3

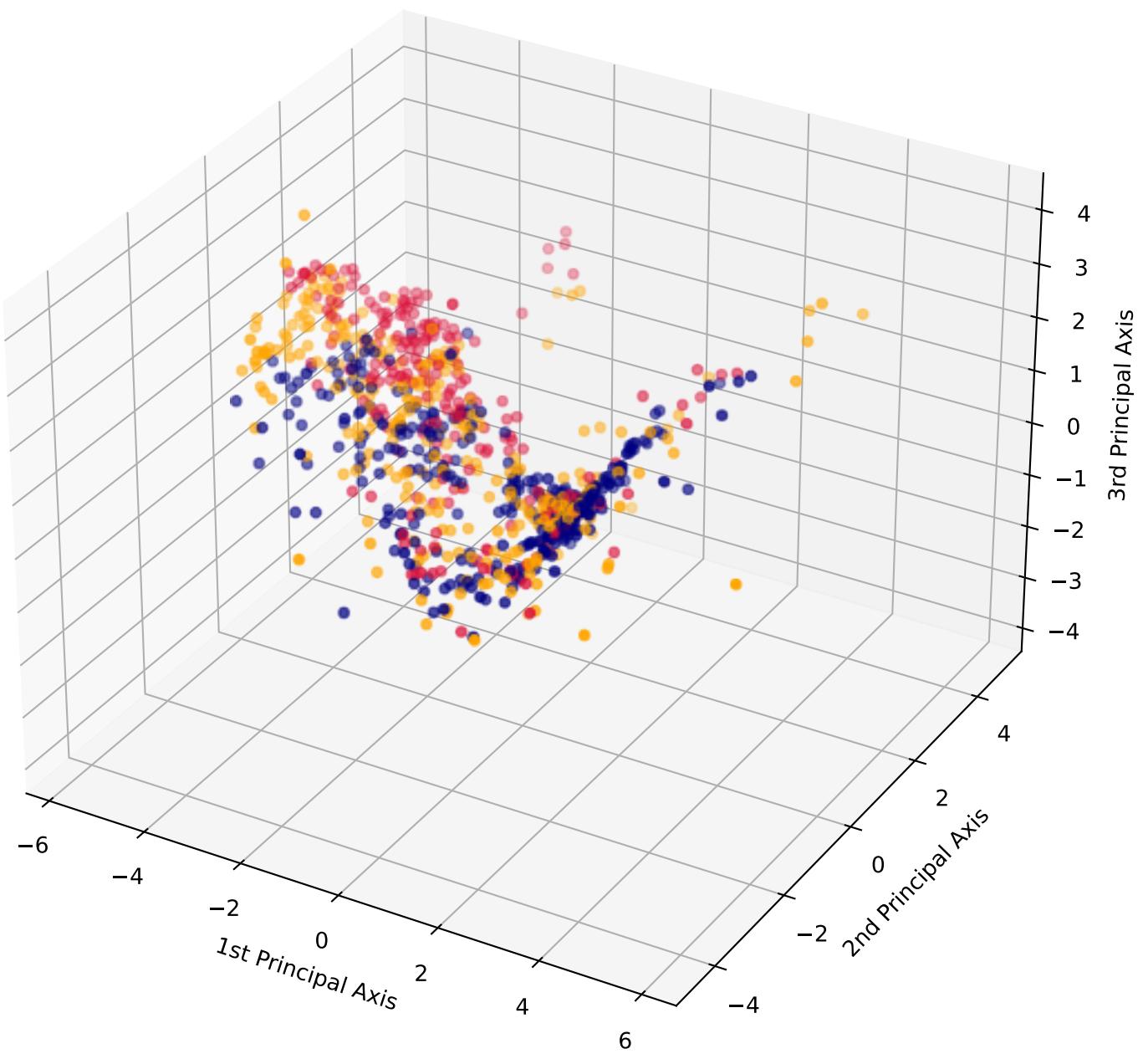


Angle 4

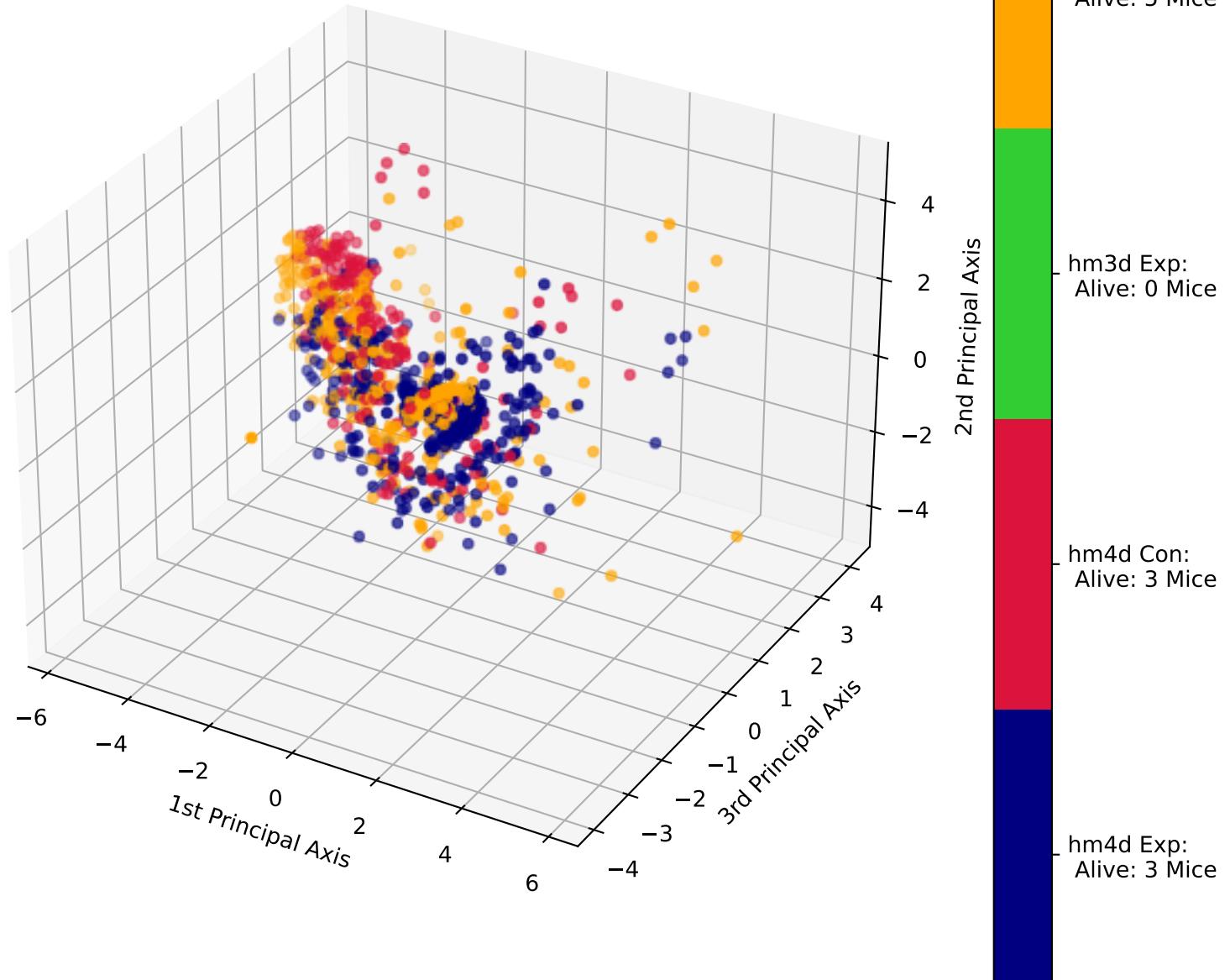


Trial Number: 8, Phase: Trial Onset

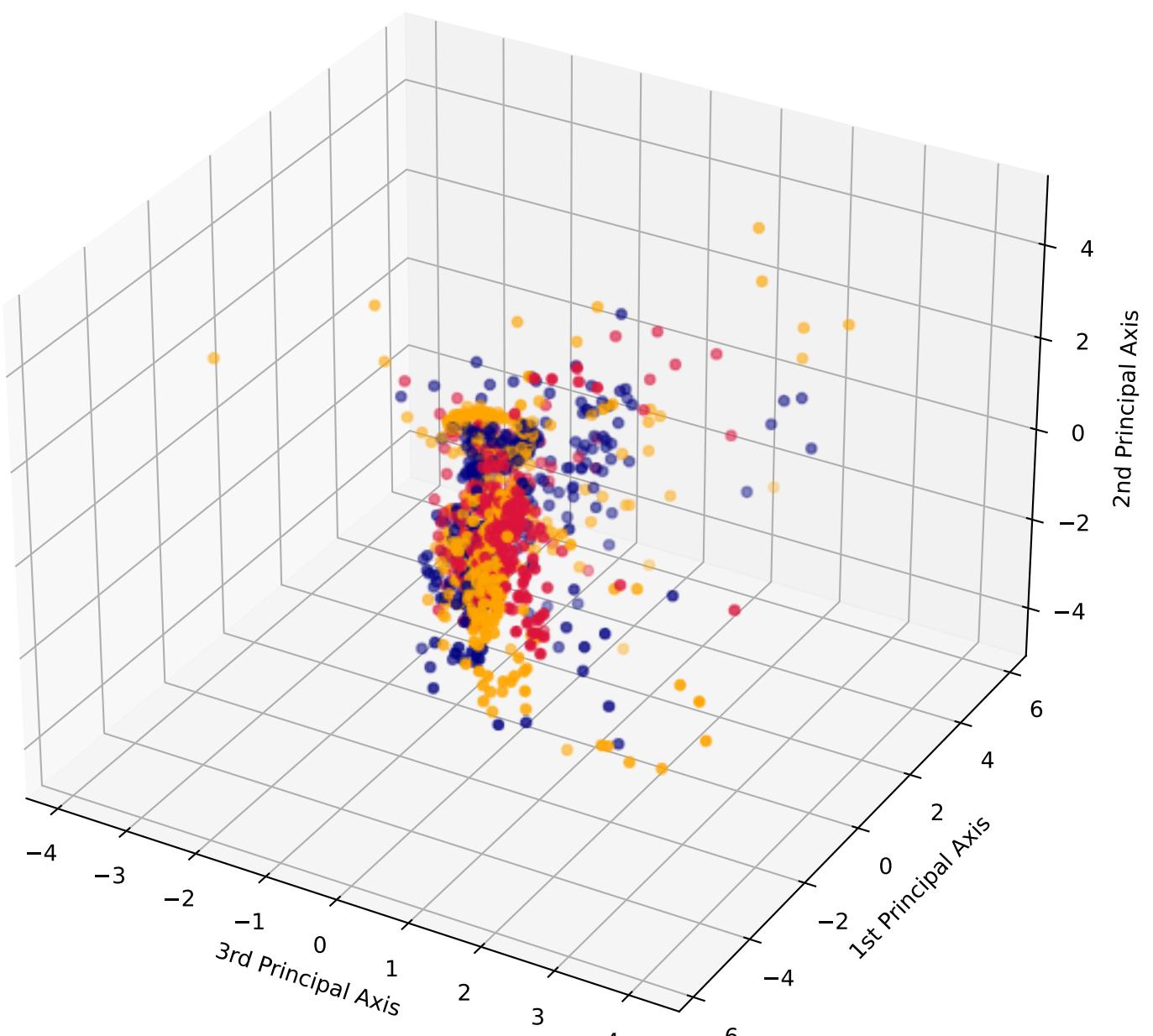
Angle 1



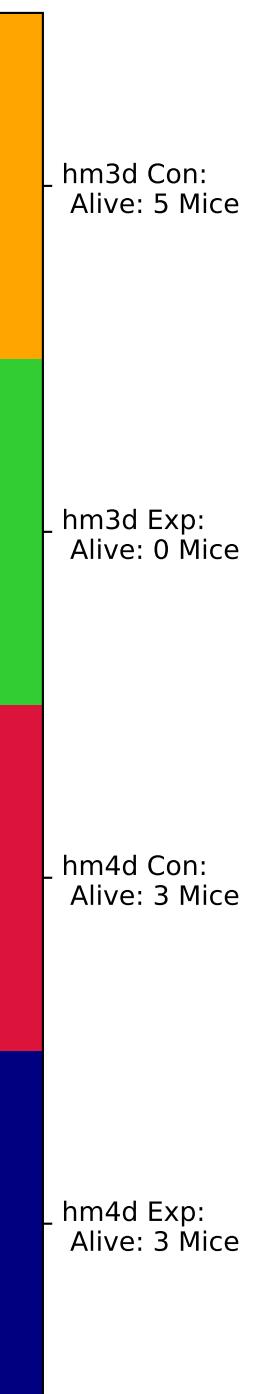
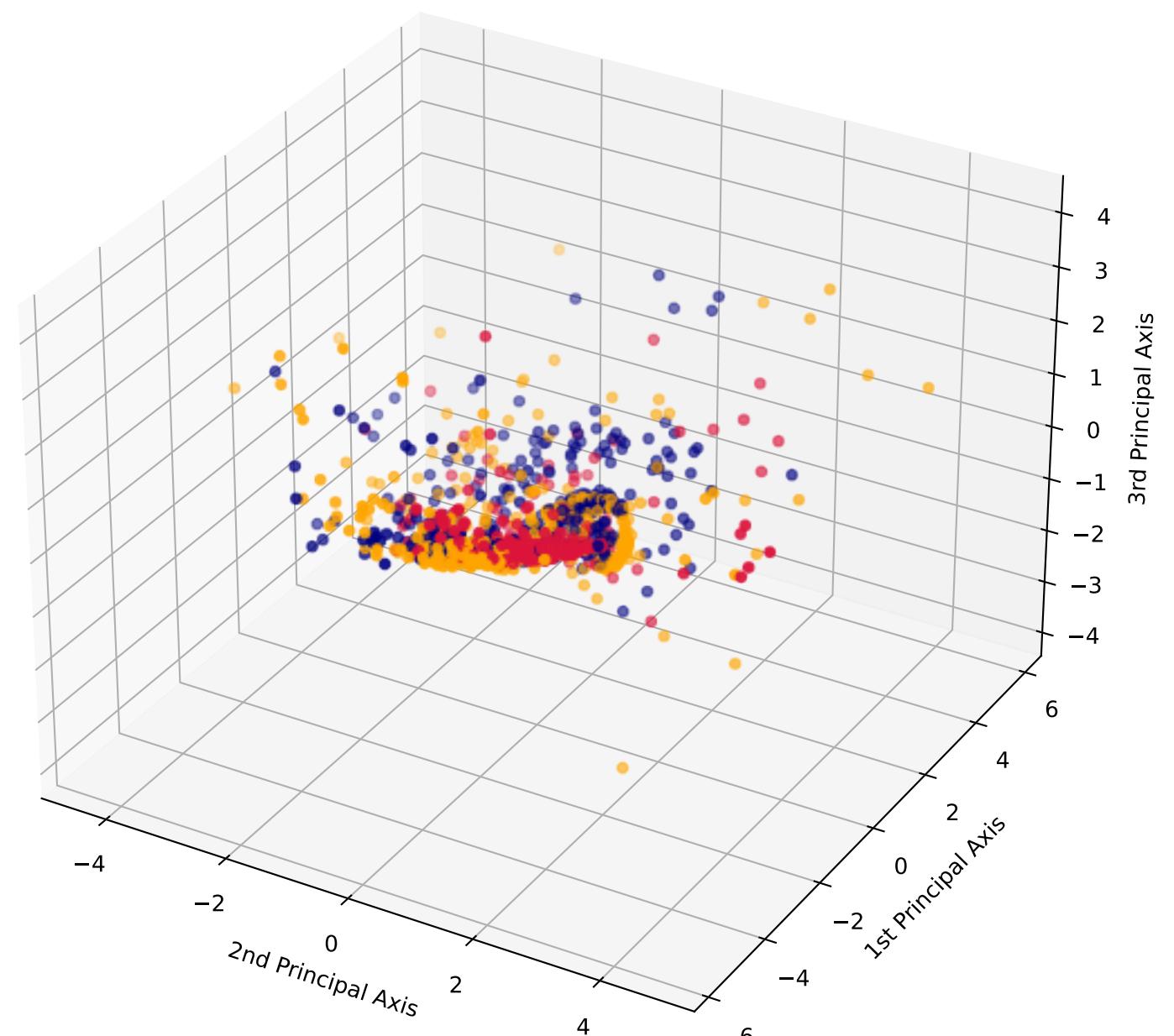
Angle 2



Angle 3

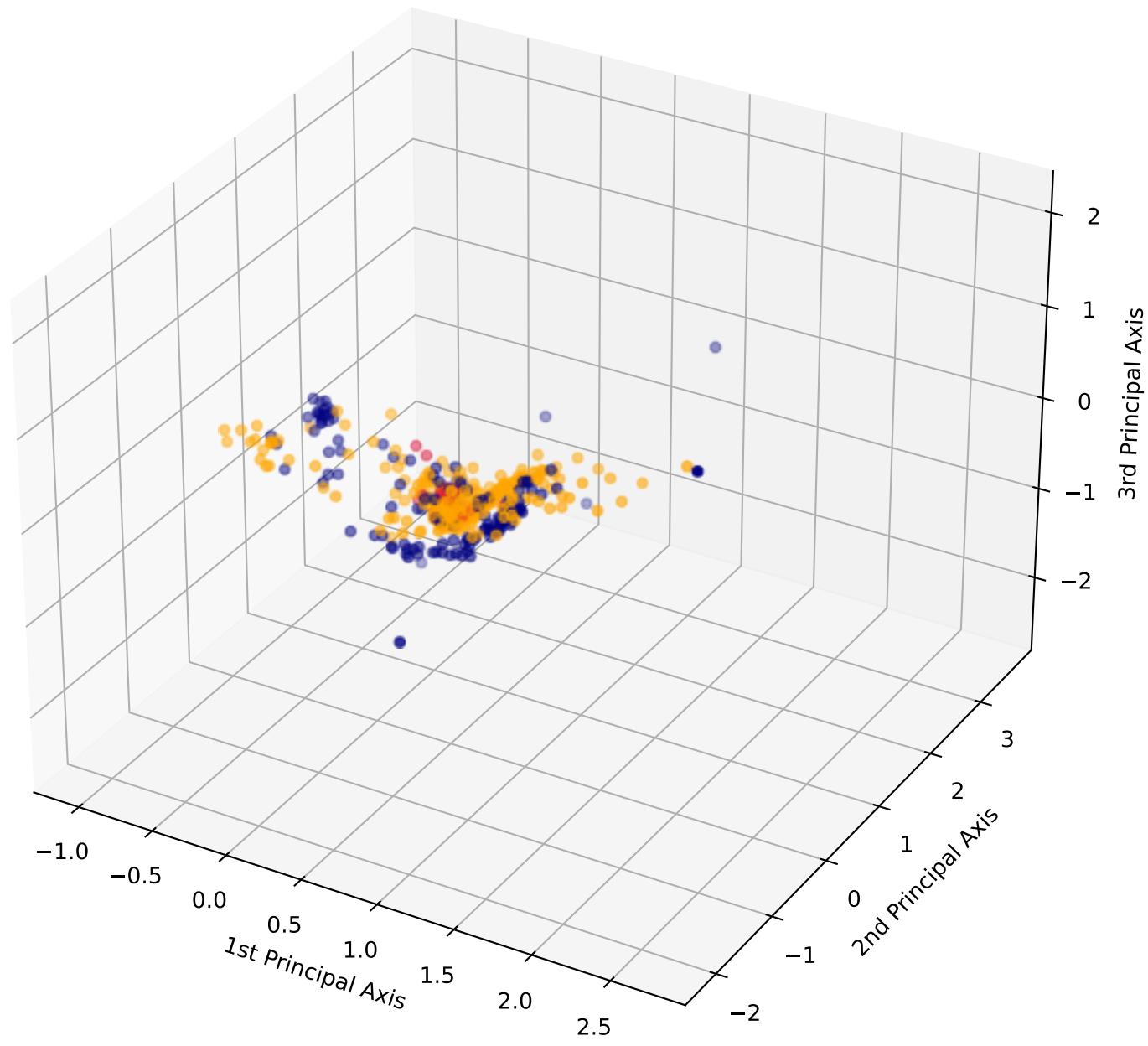


Angle 4

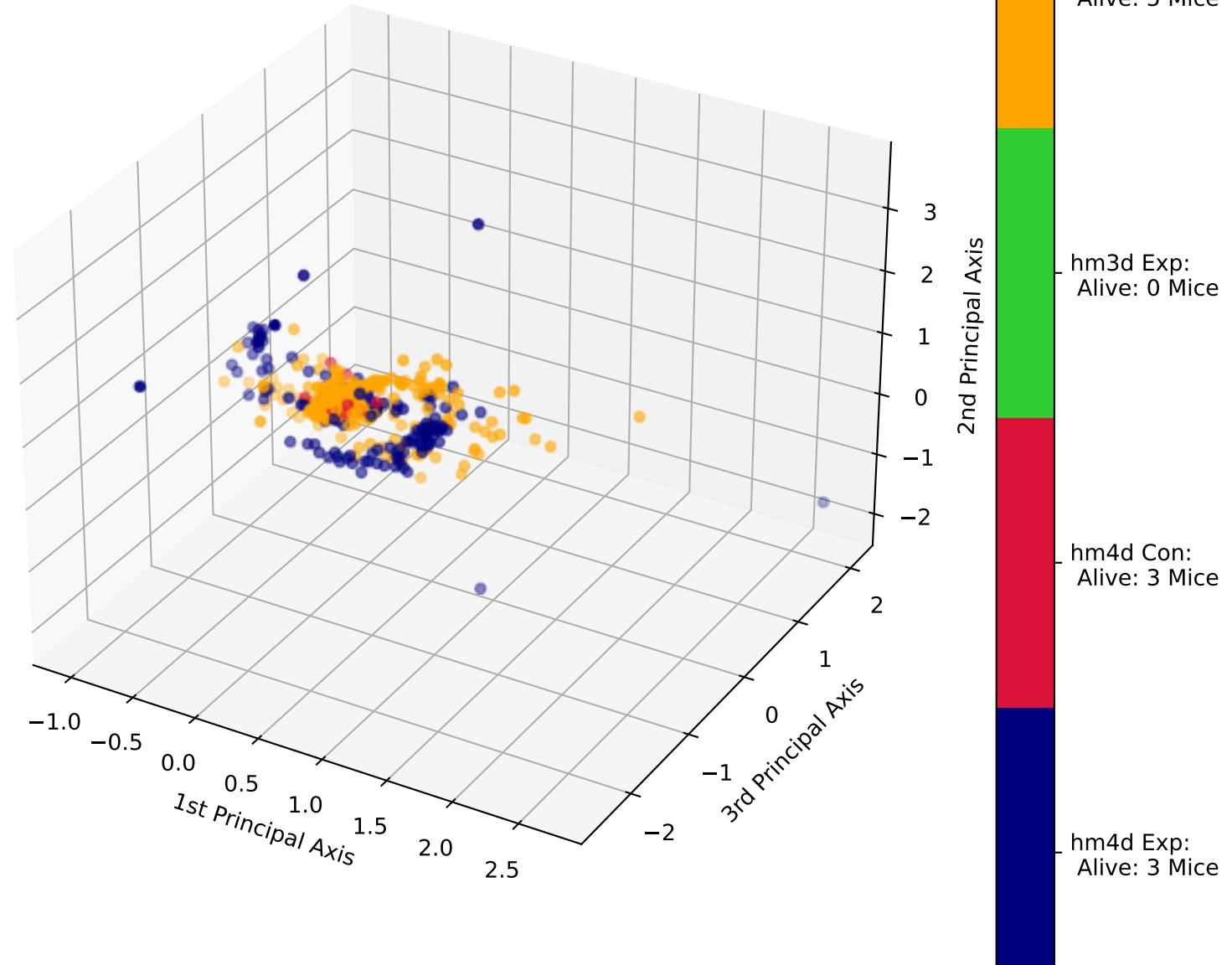


Trial Number: 8, Phase: Apnea Starts

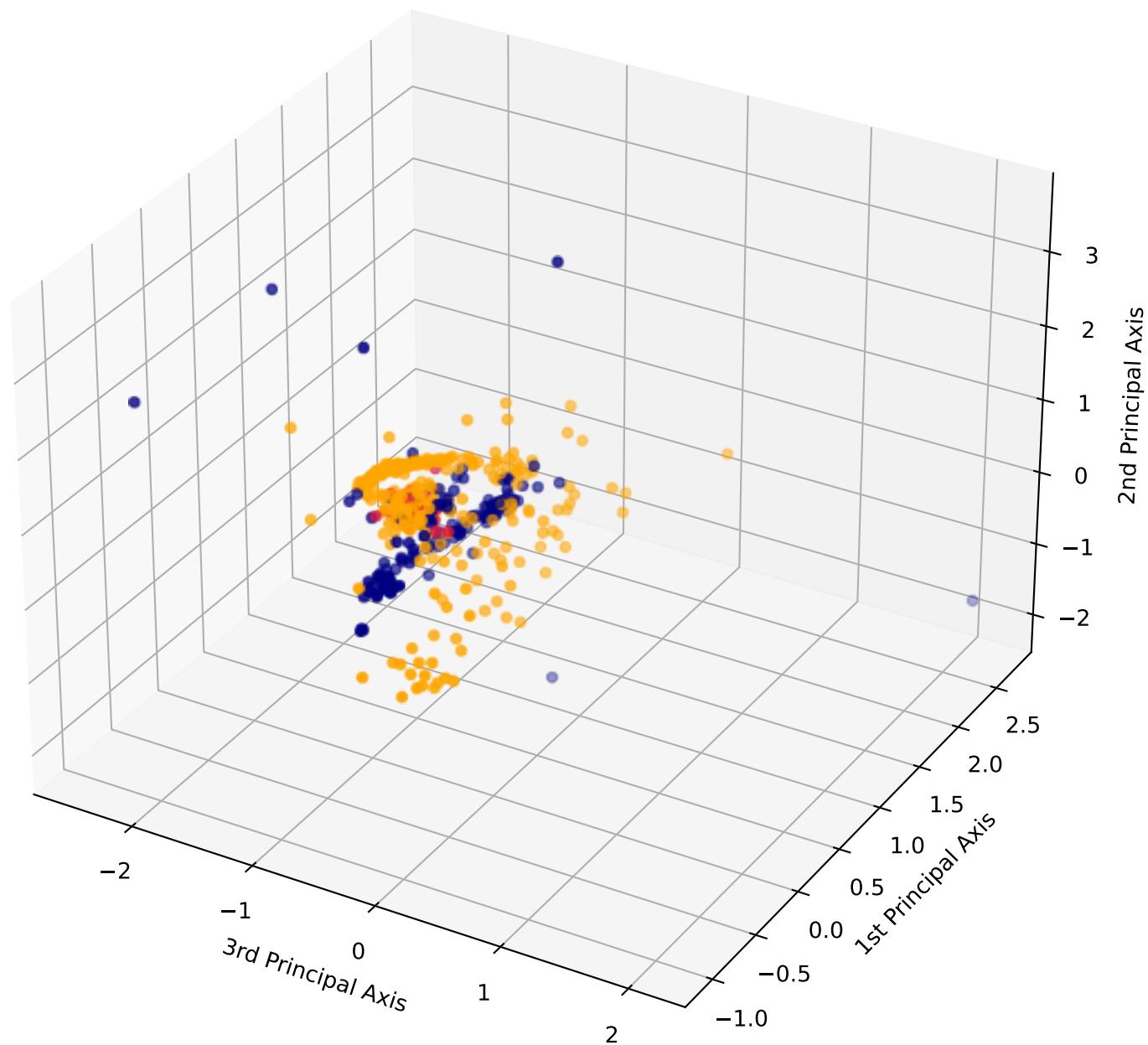
Angle 1



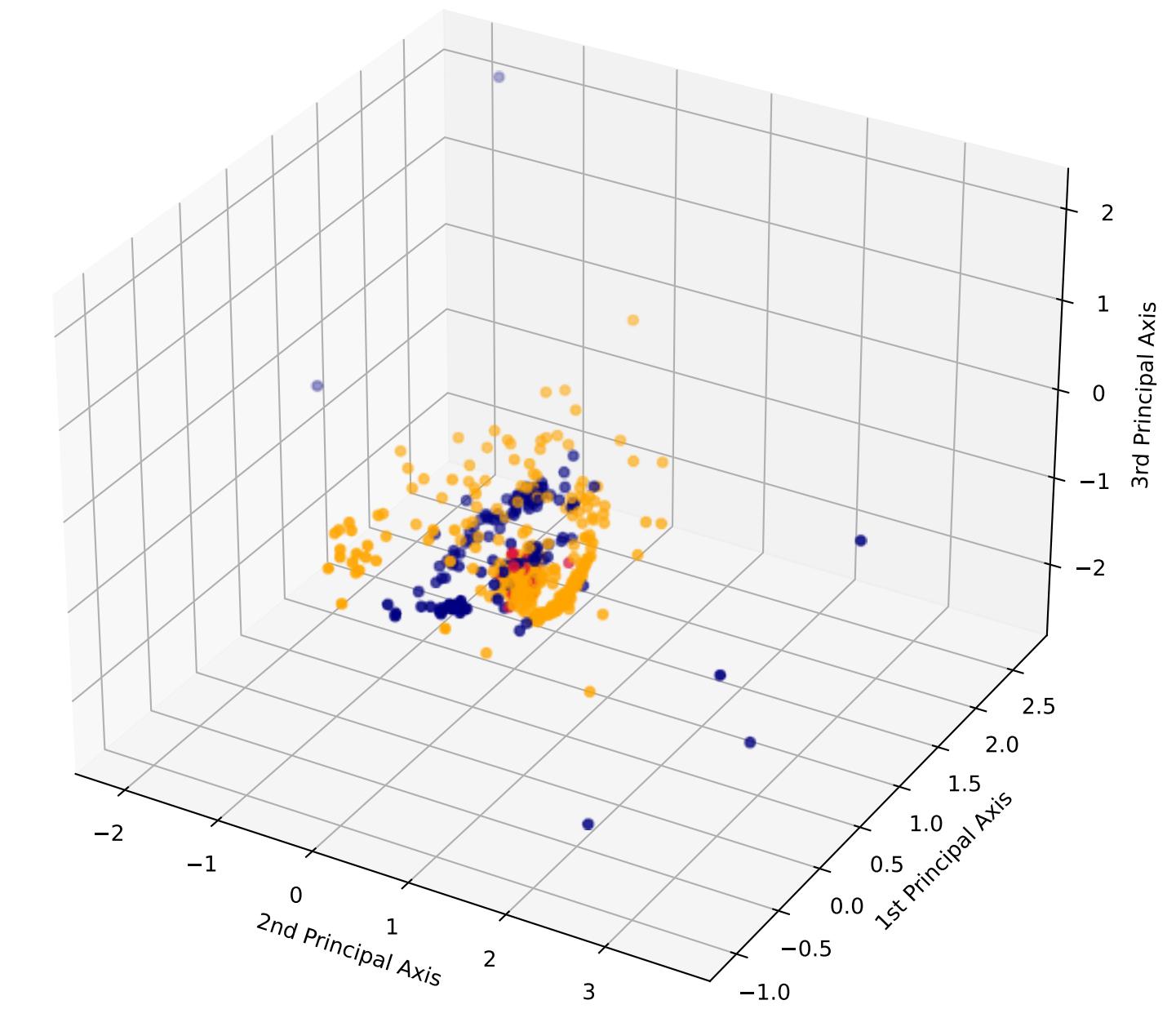
Angle 2



Angle 3

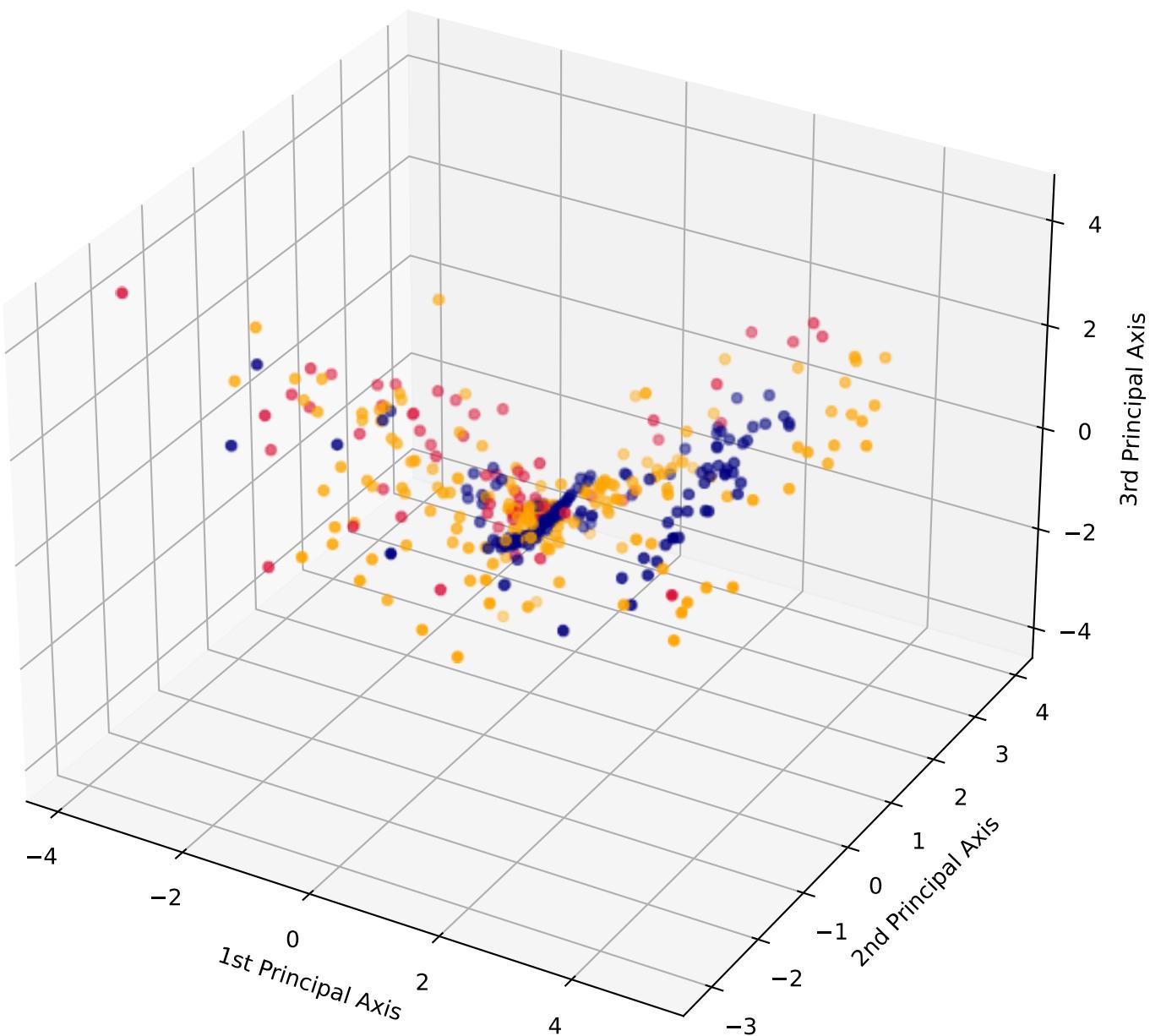


Angle 4

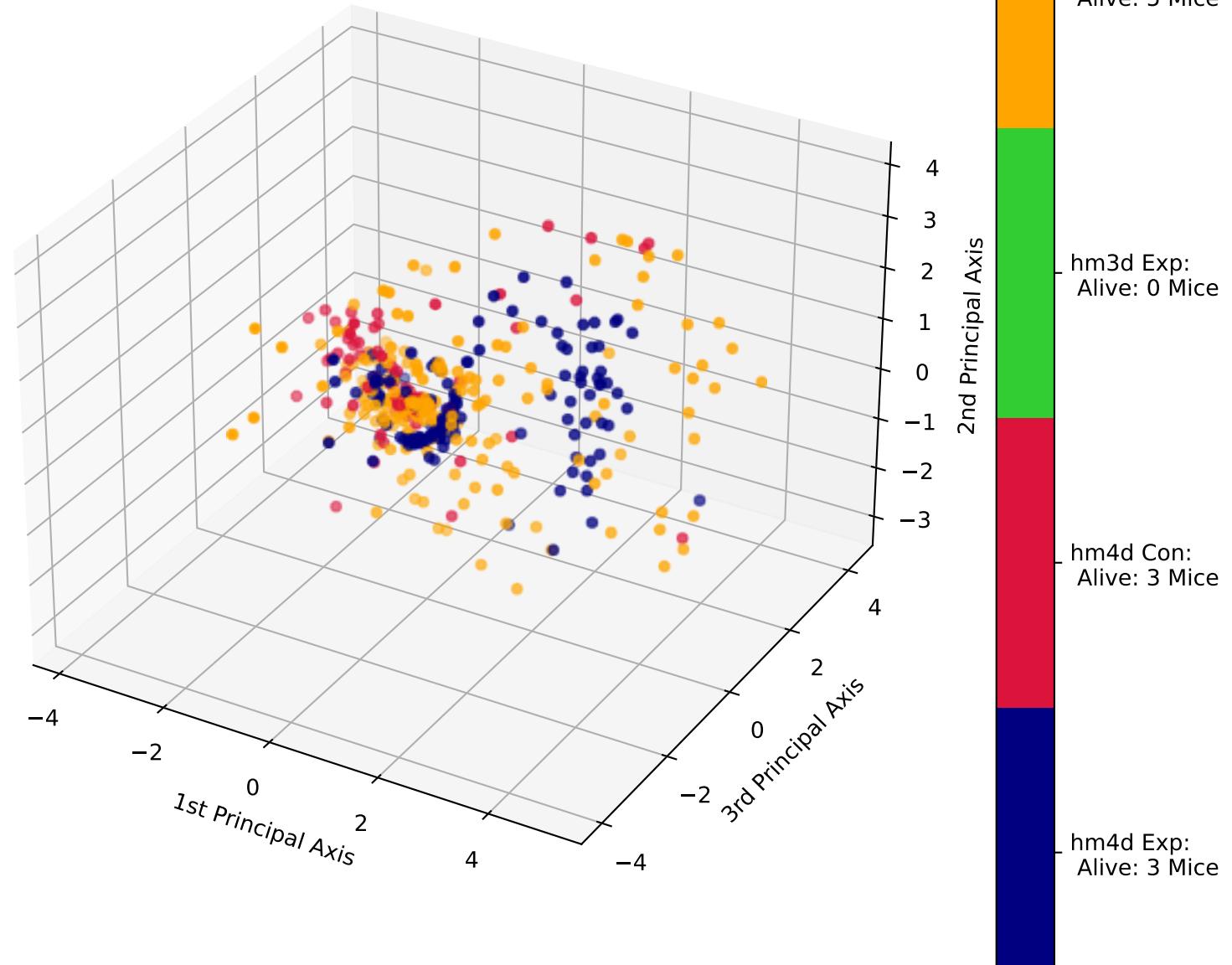


Trial Number: 8, Phase: First Gasp

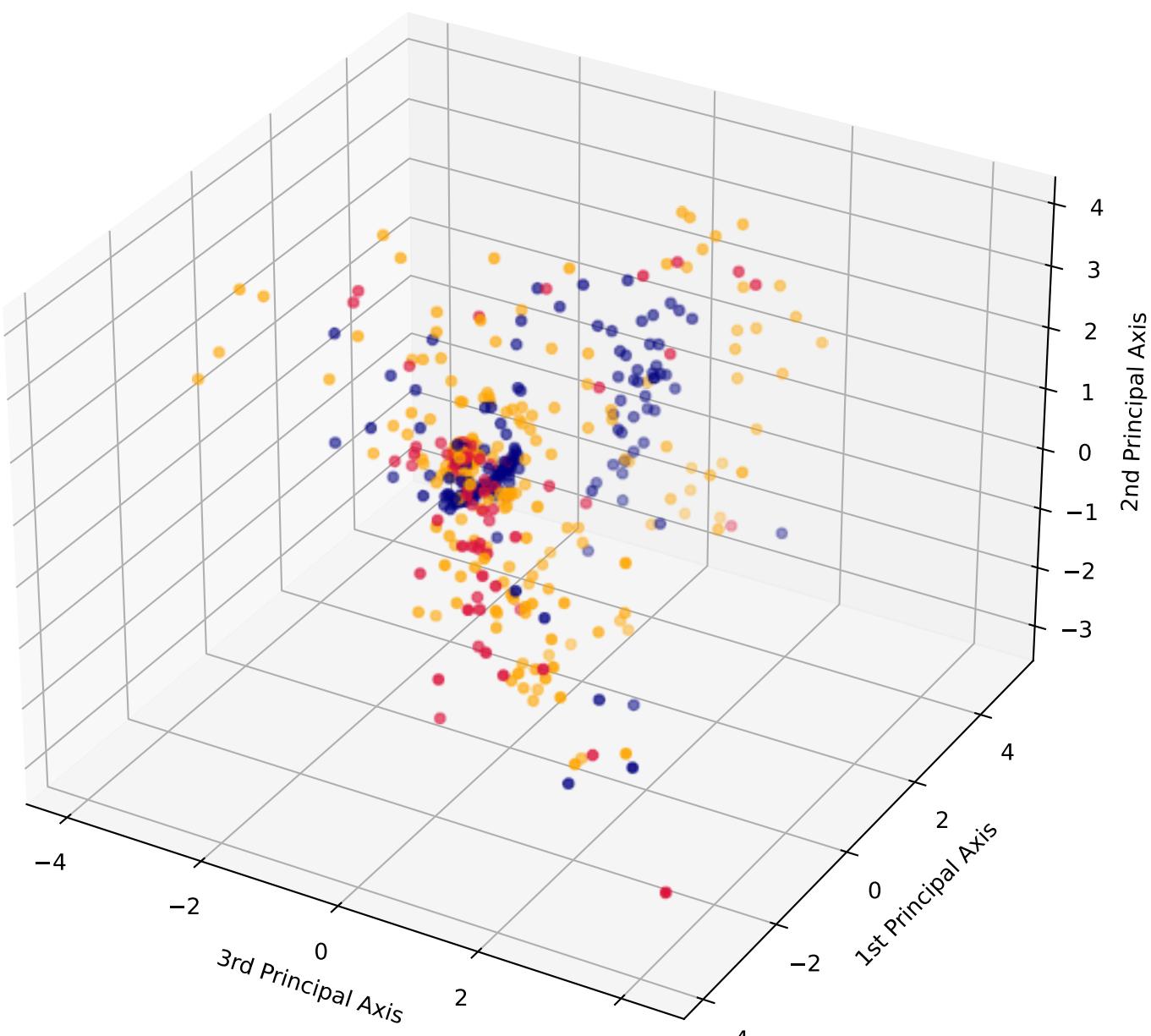
Angle 1



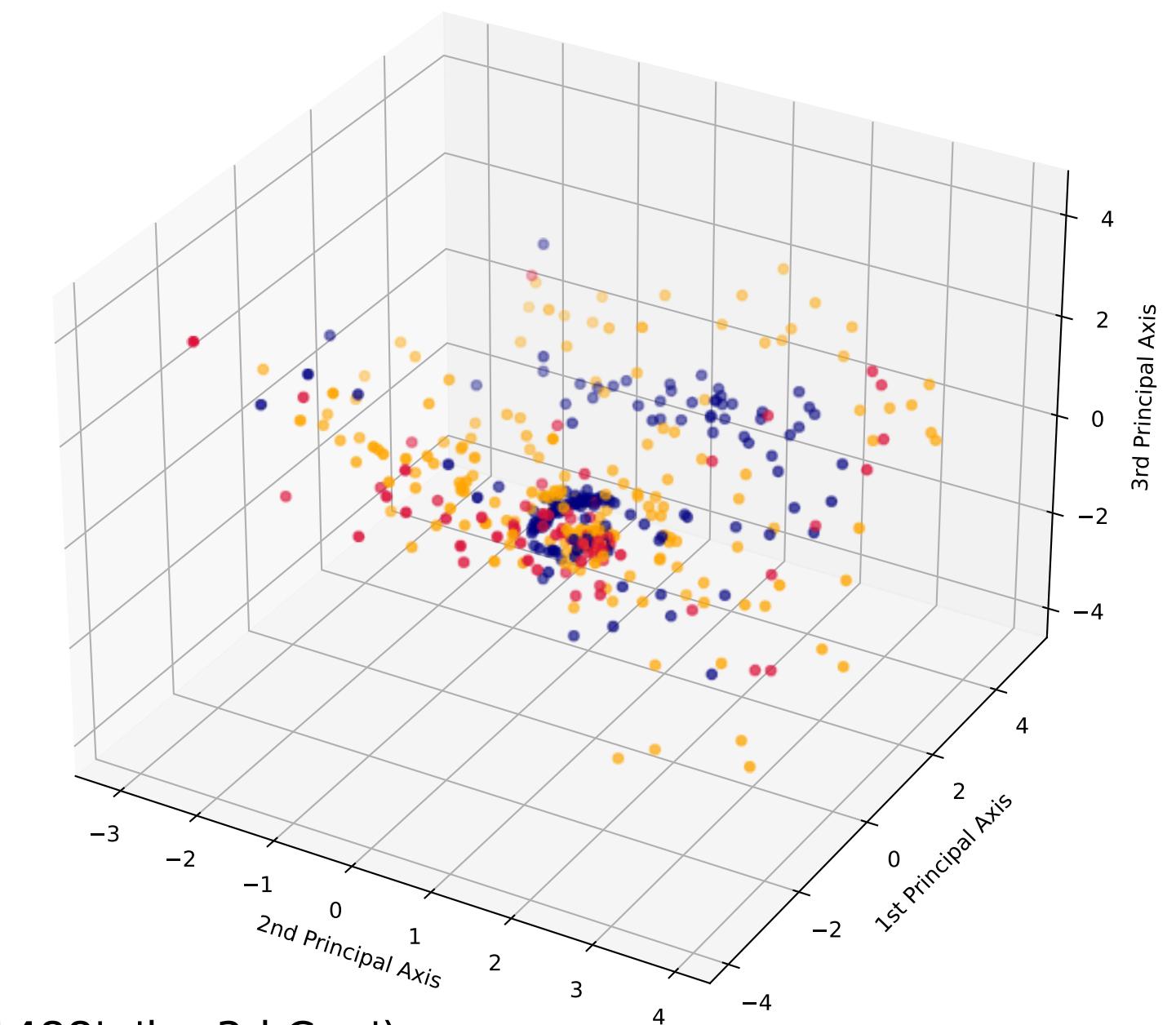
Angle 2



Angle 3



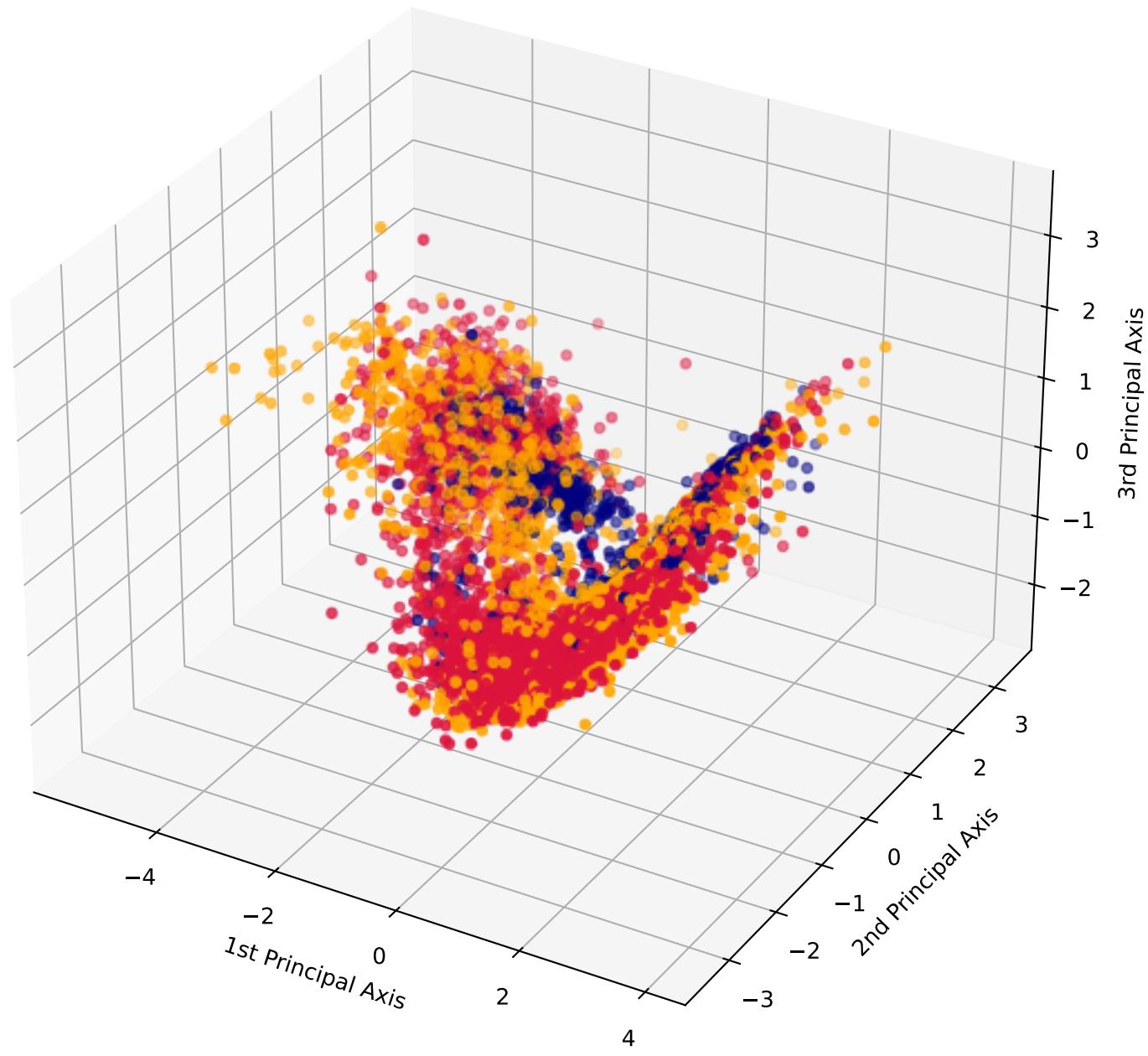
Angle 4



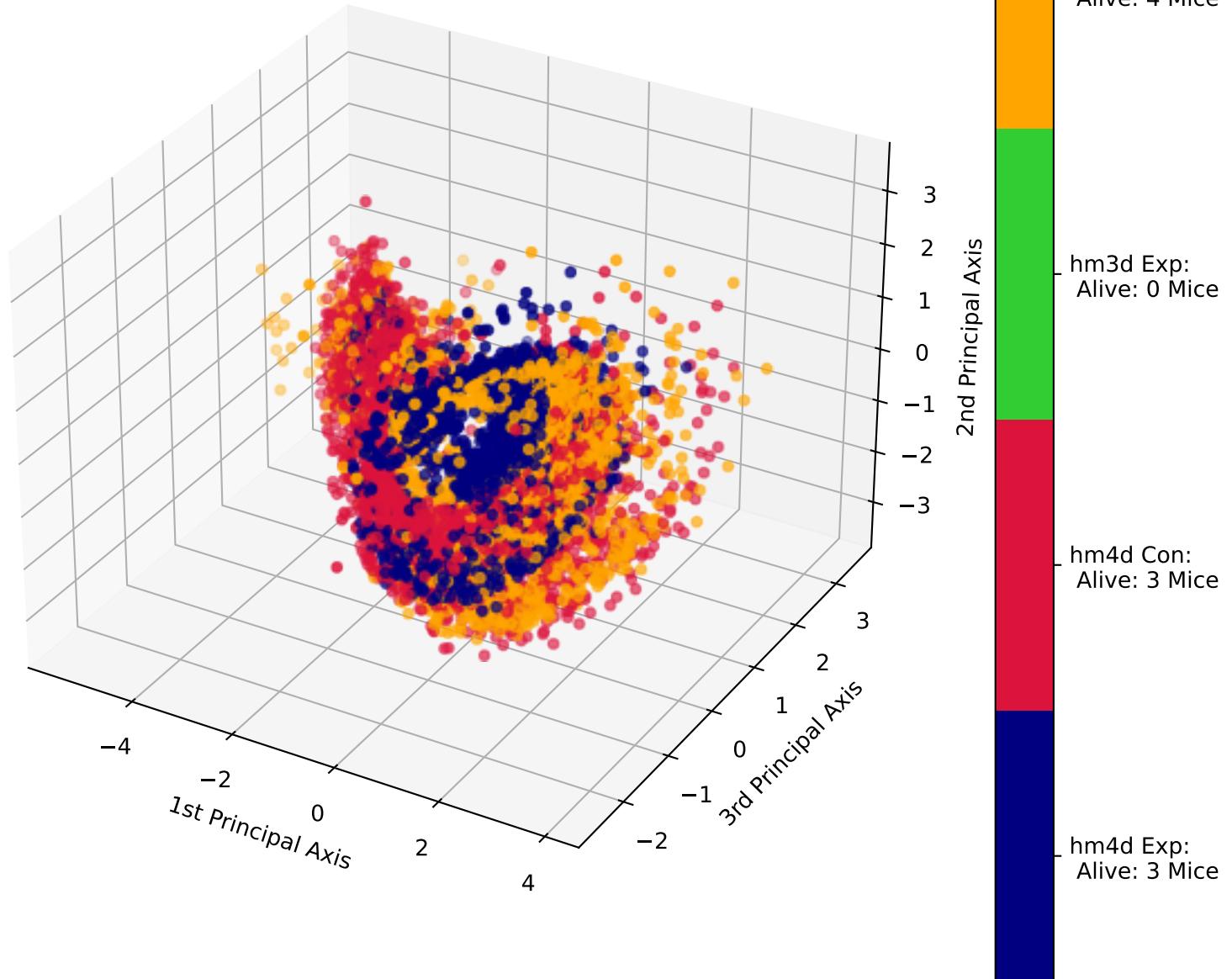
Mice Expired: ('M21488', 'hm3d Con')

Trial Number: 8, Phase: Eupnea Recovery

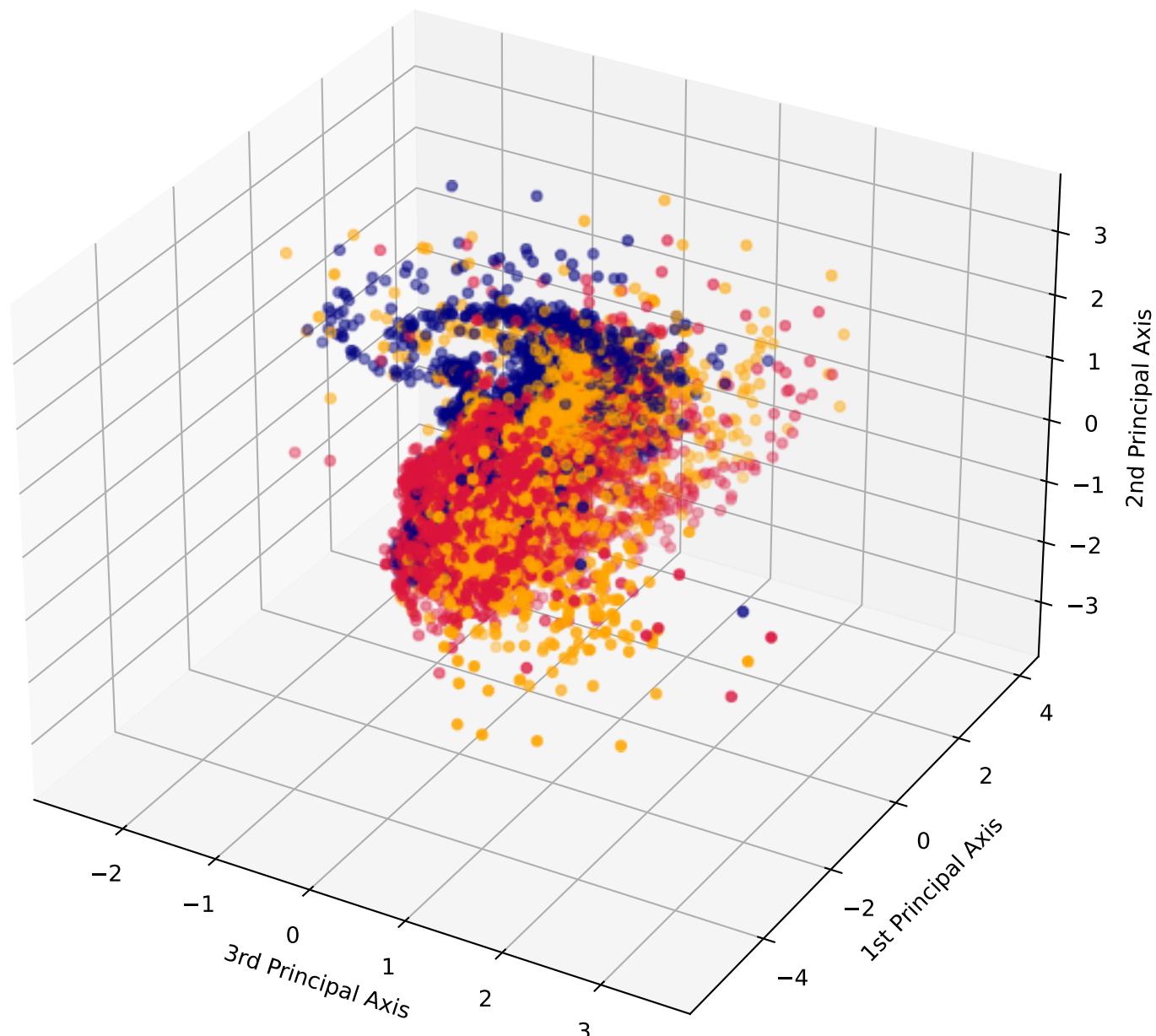
Angle 1



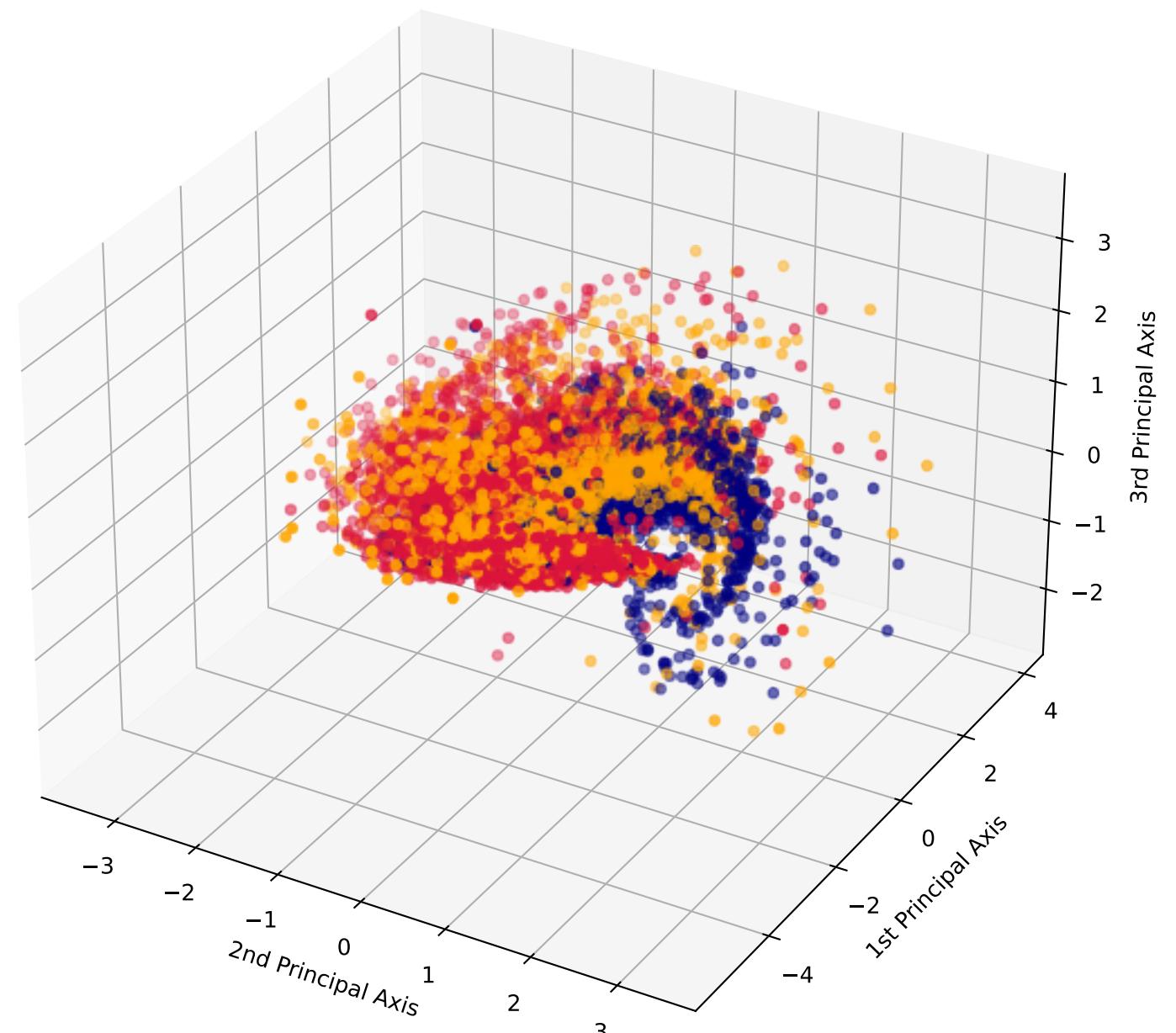
Angle 2



Angle 3

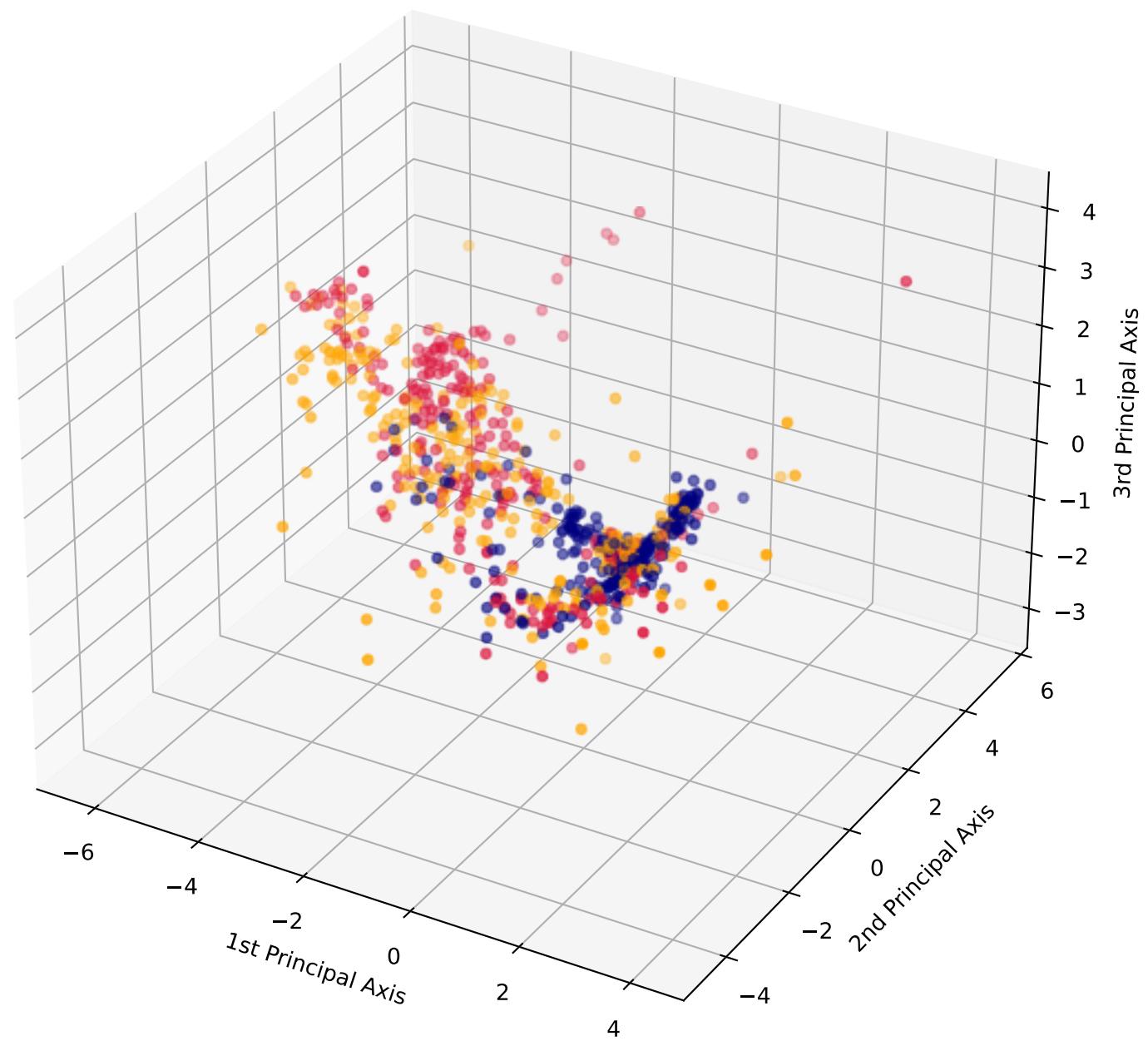


Angle 4

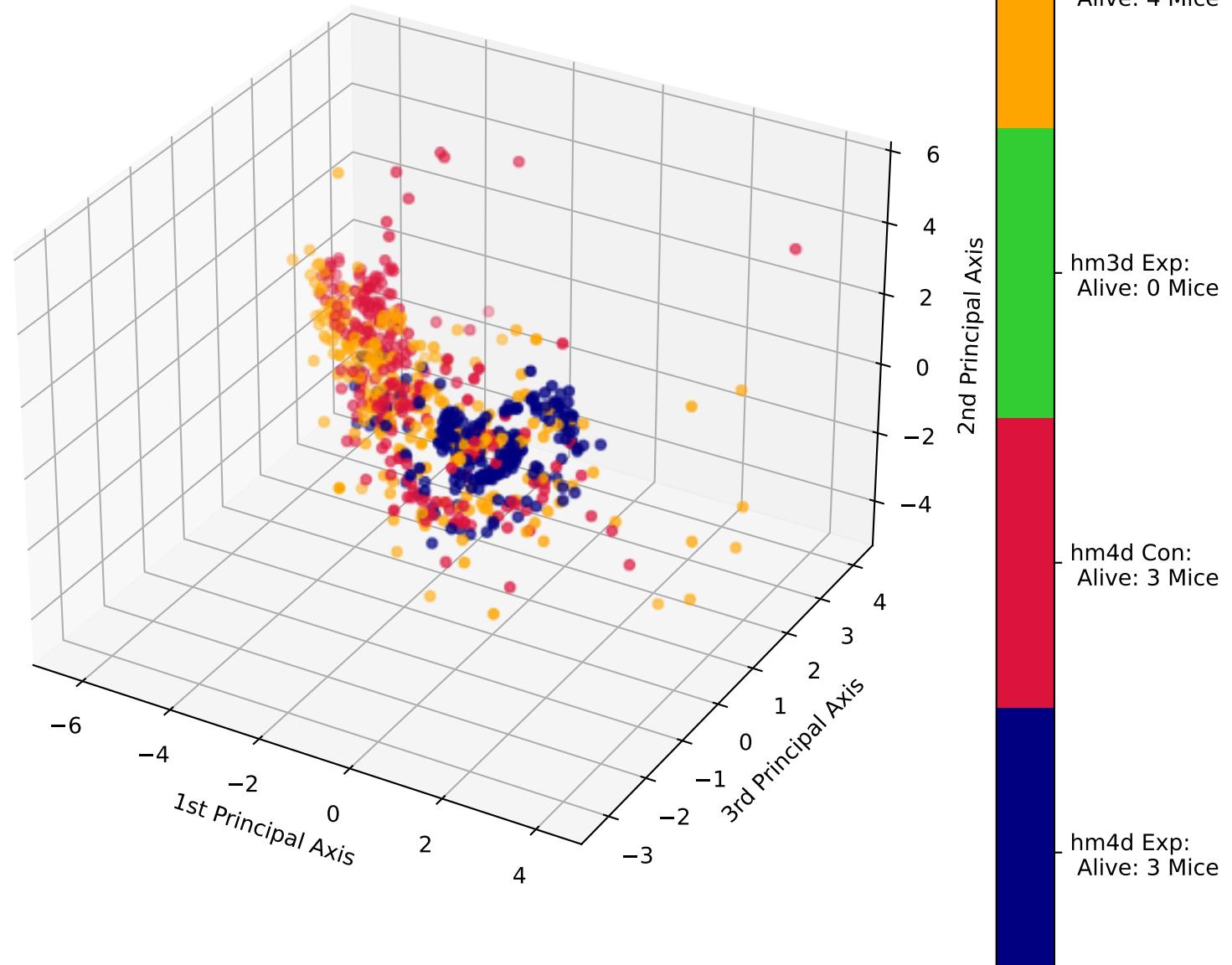


Trial Number: 9, Phase: Trial Onset

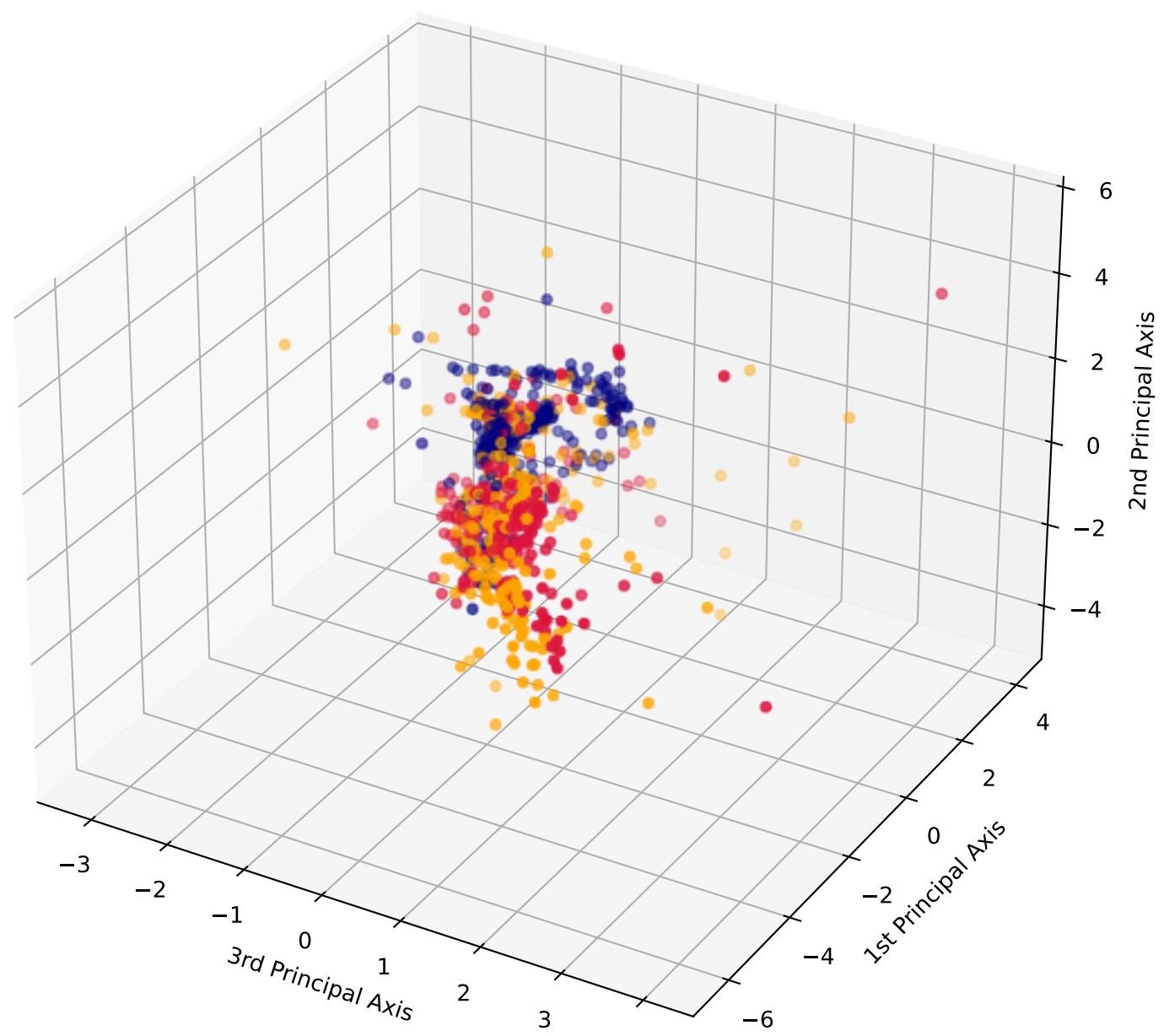
Angle 1



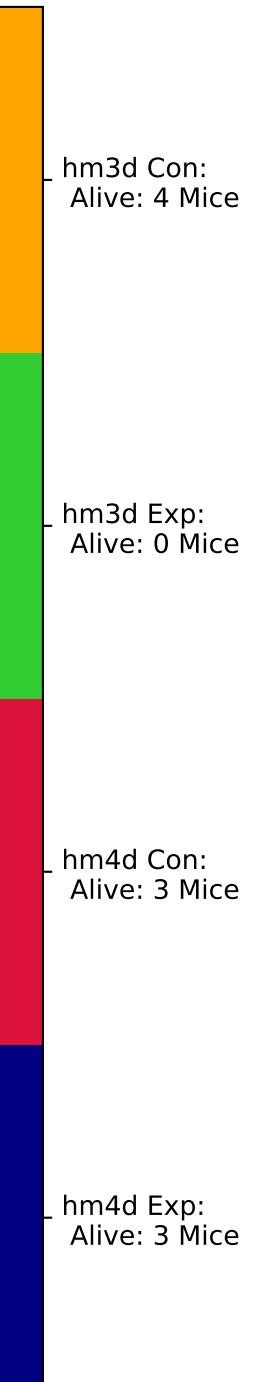
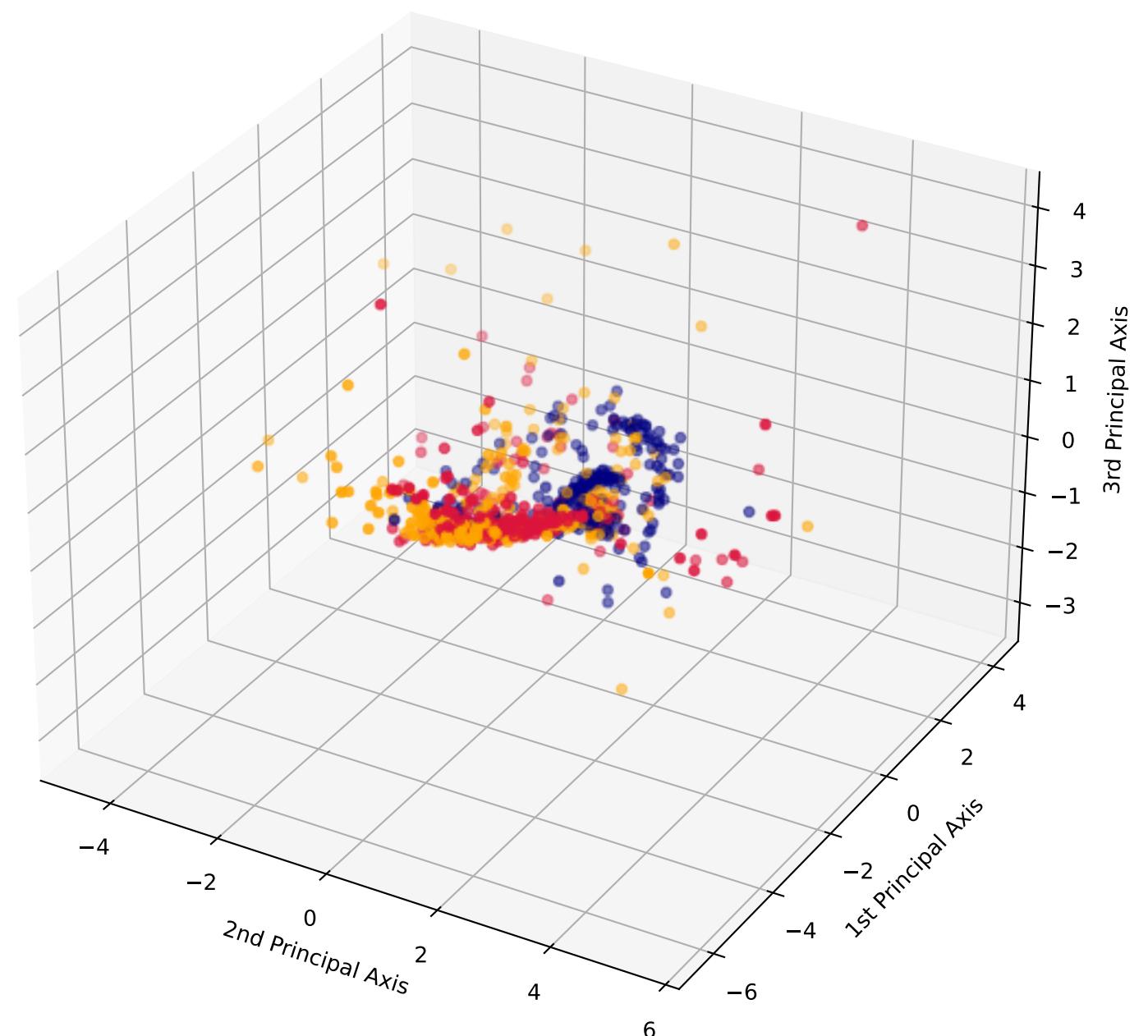
Angle 2



Angle 3

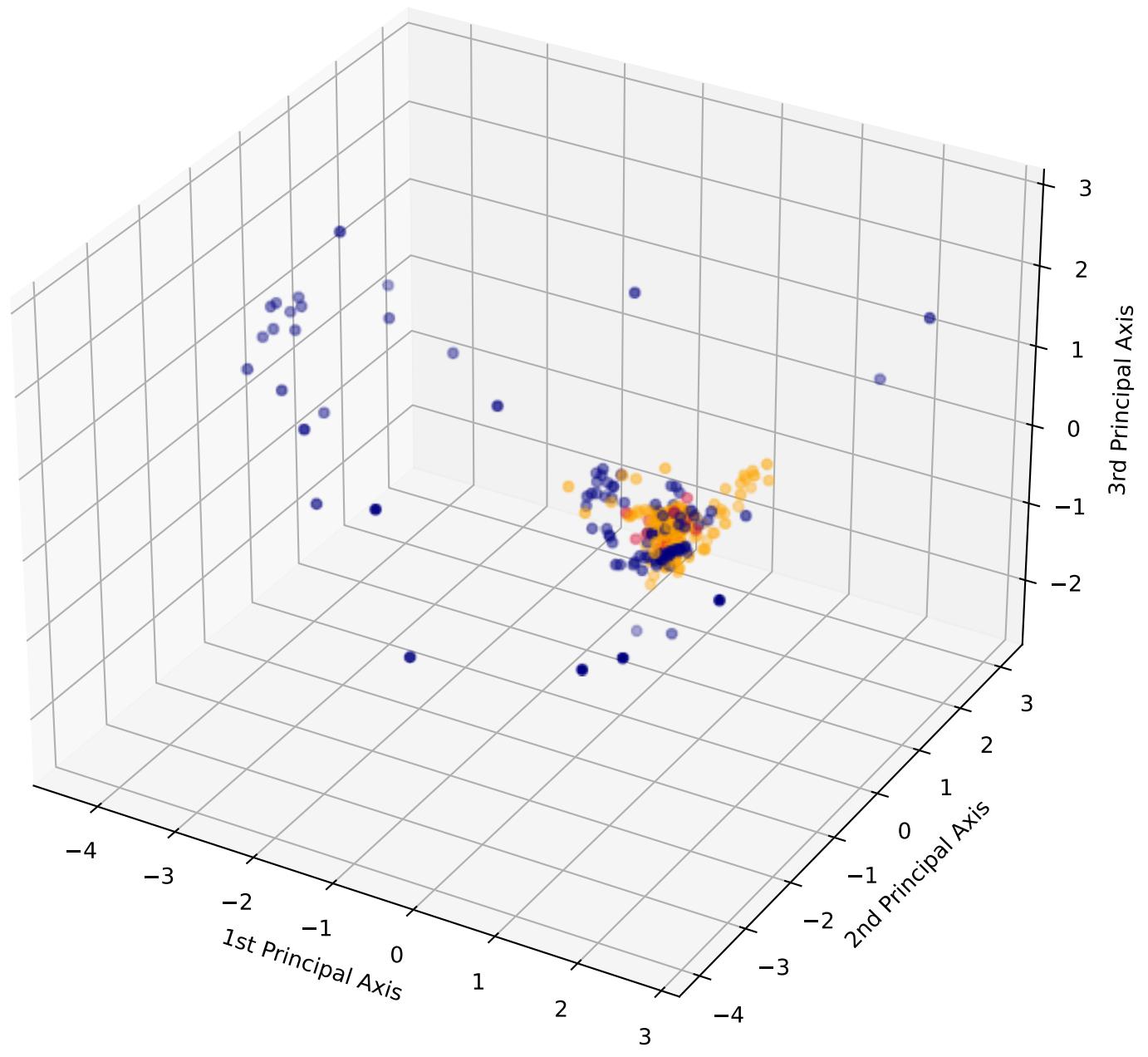


Angle 4

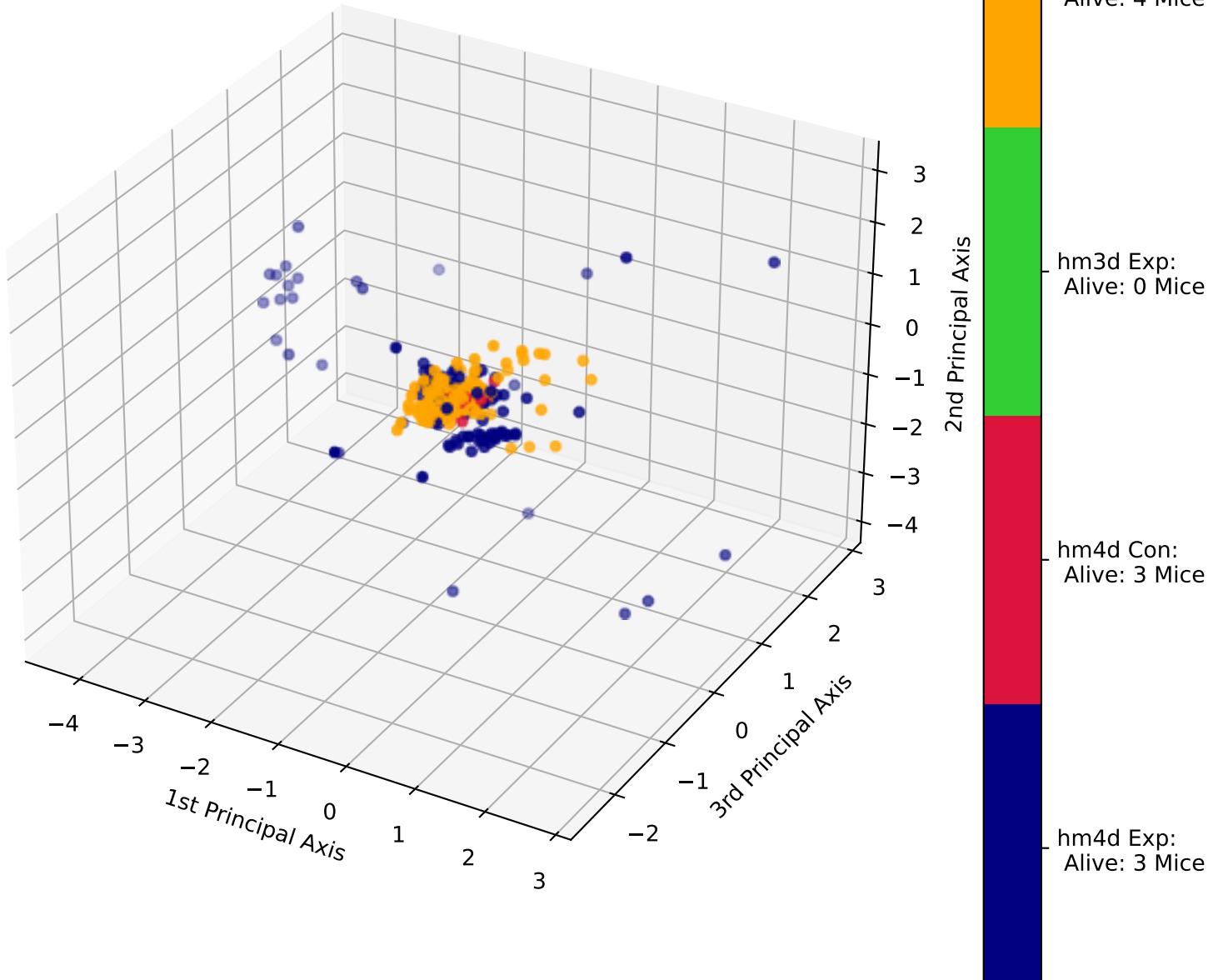


Trial Number: 9, Phase: Apnea Starts

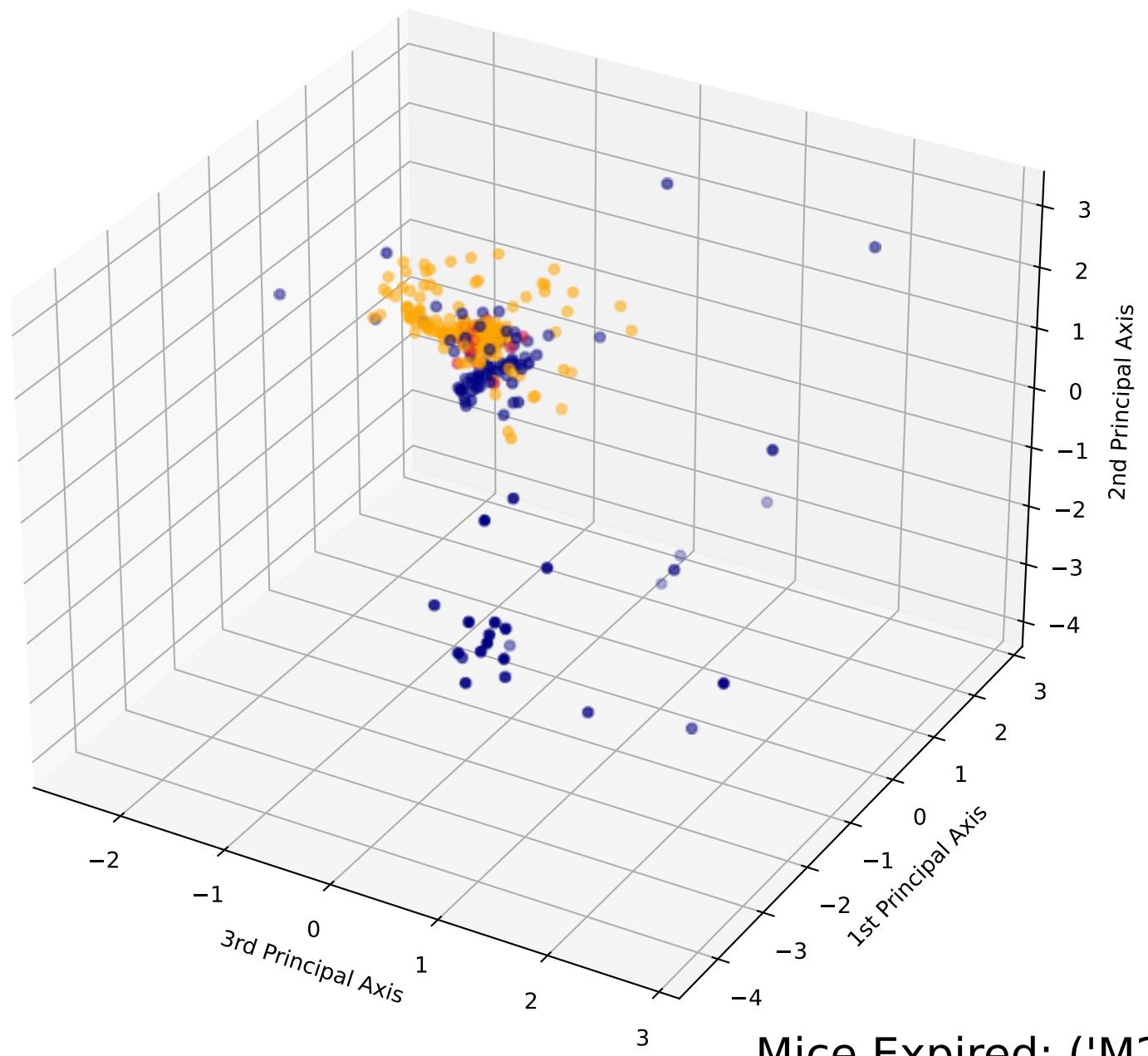
Angle 1



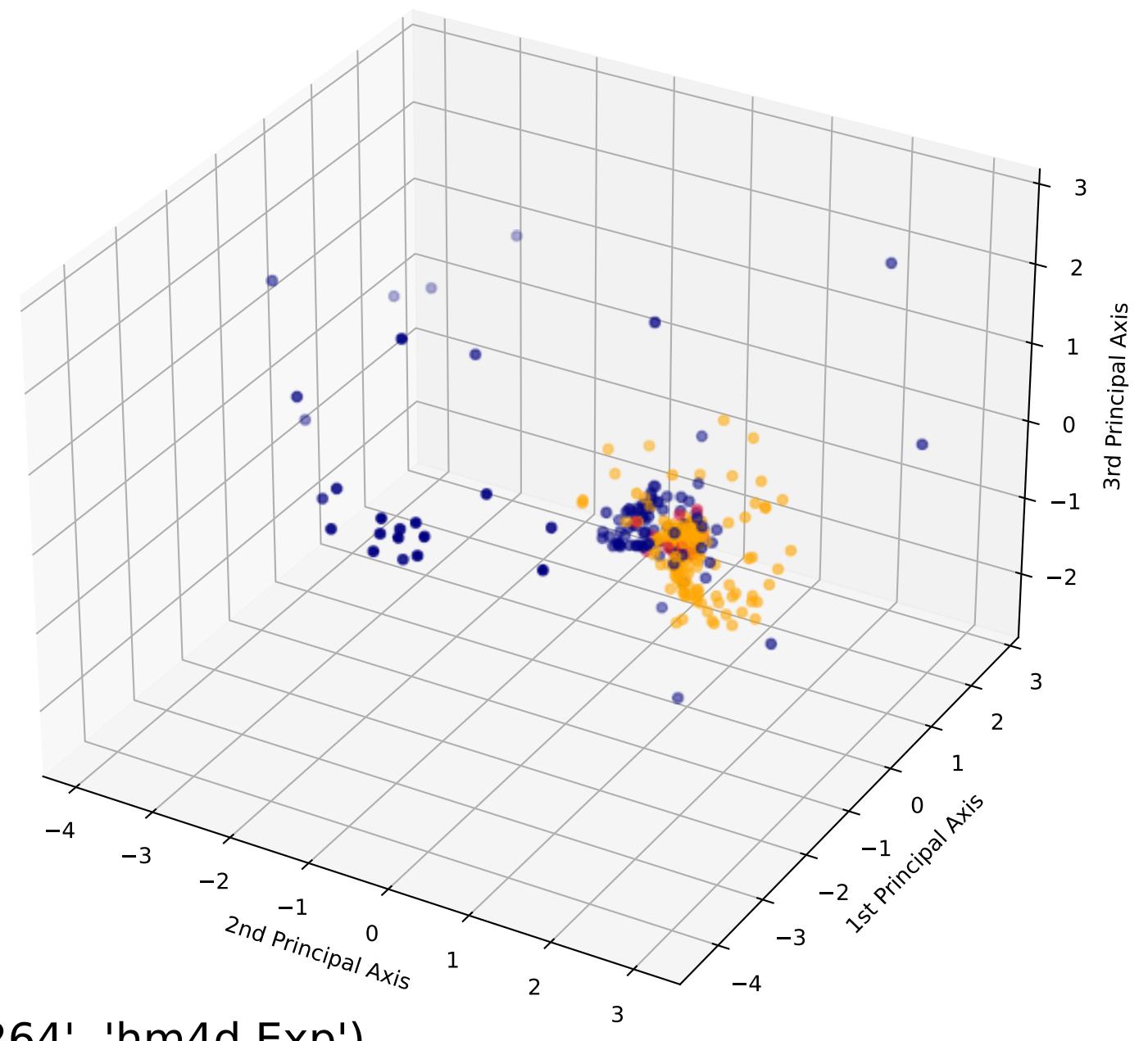
Angle 2



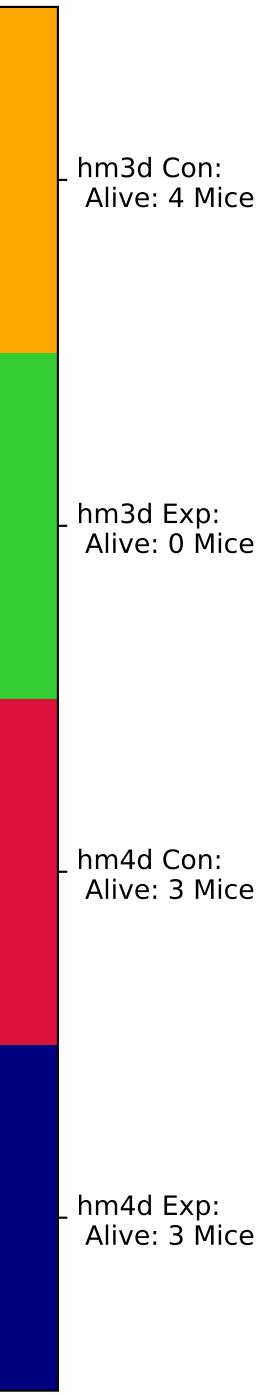
Angle 3



Angle 4

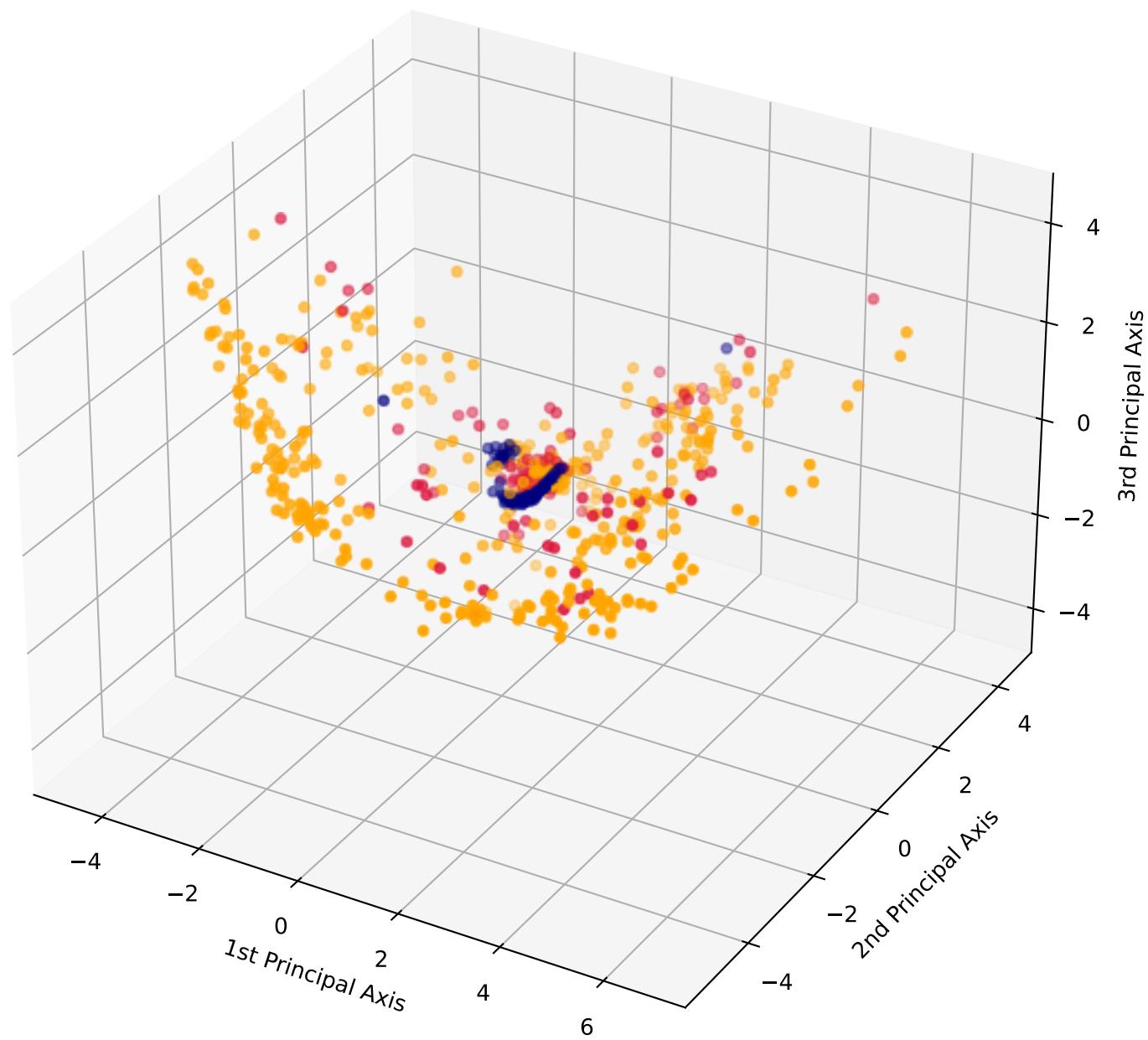


Mice Expired: ('M21264', 'hm4d Exp')

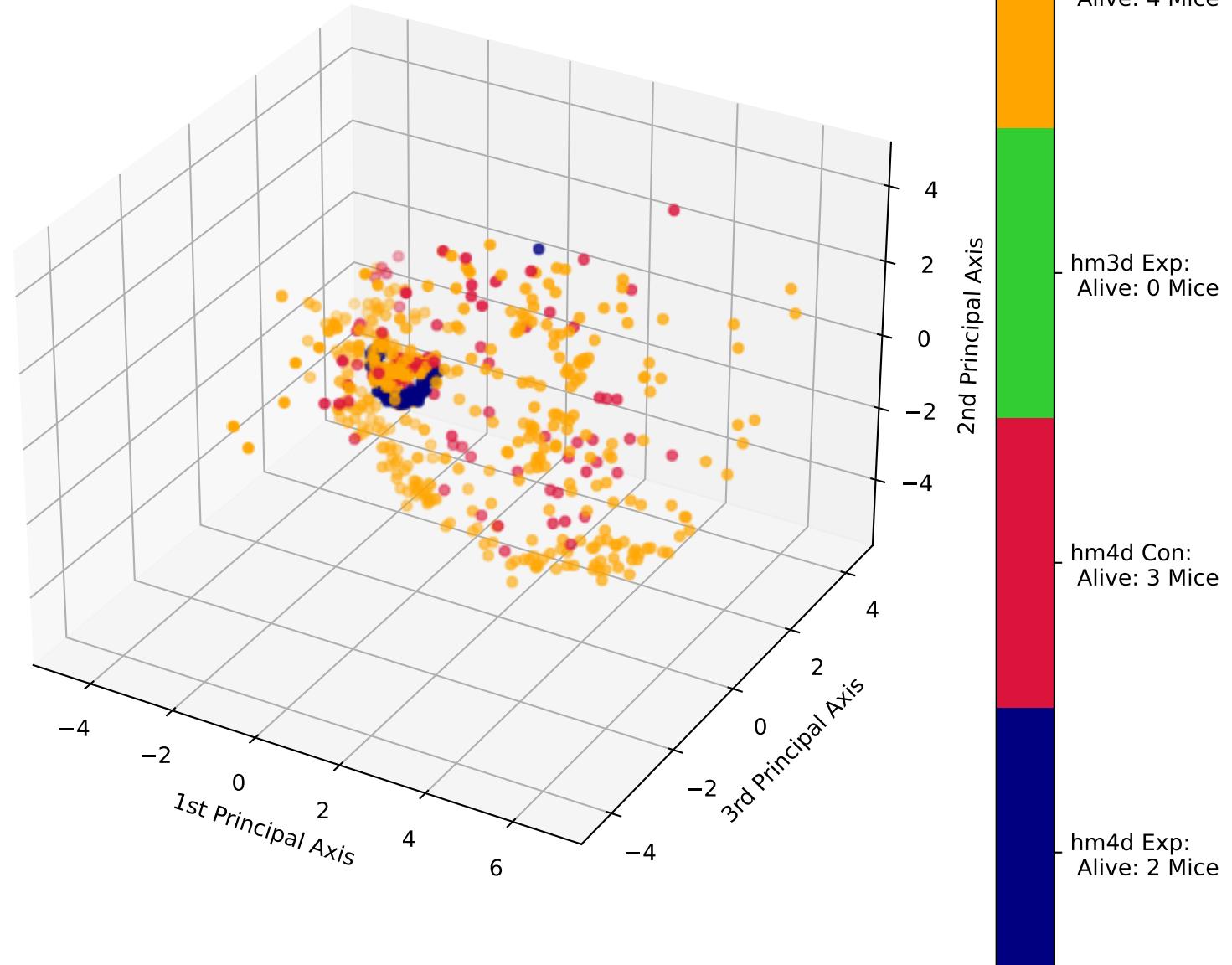


Trial Number: 9, Phase: First Gasp

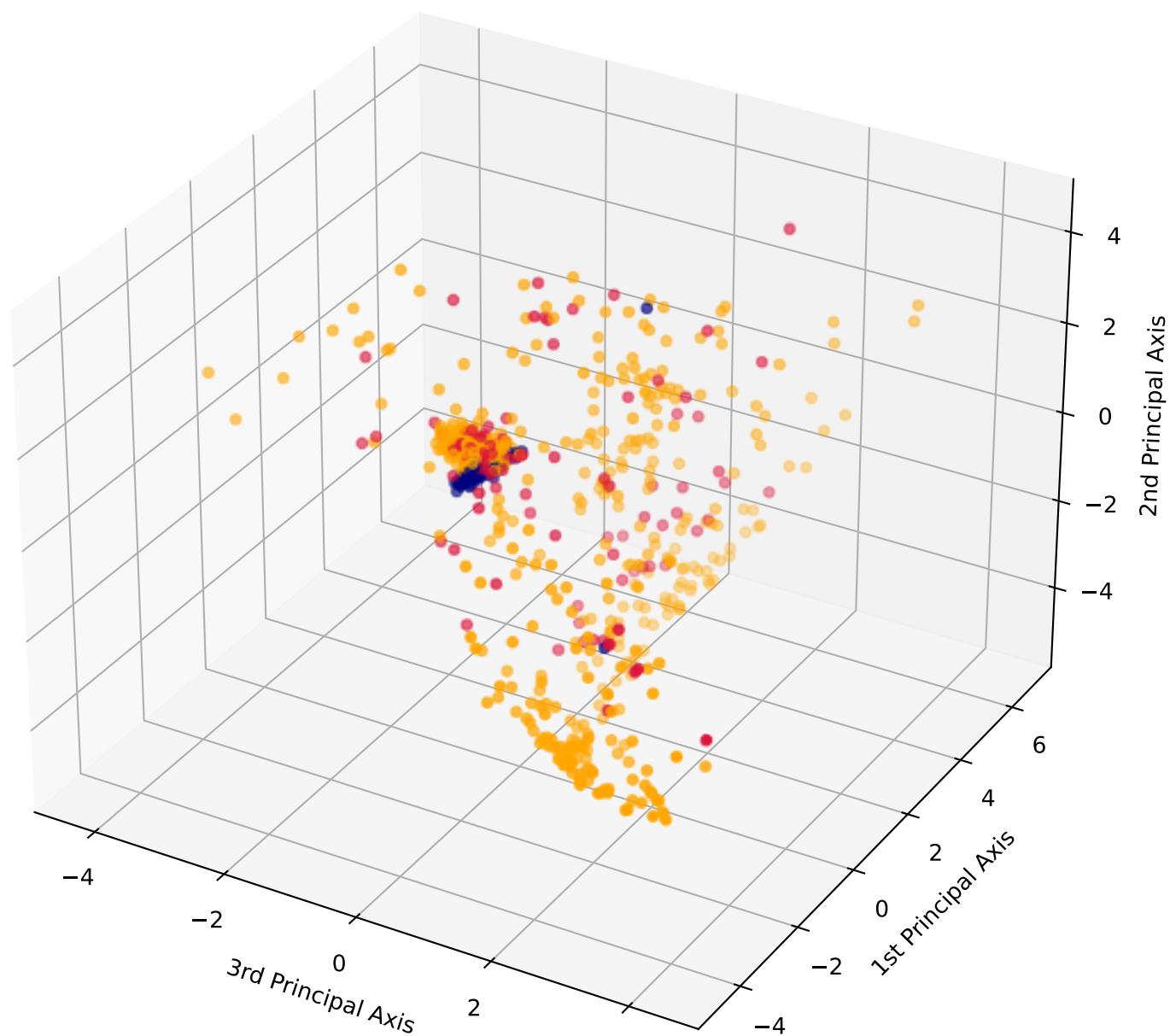
Angle 1



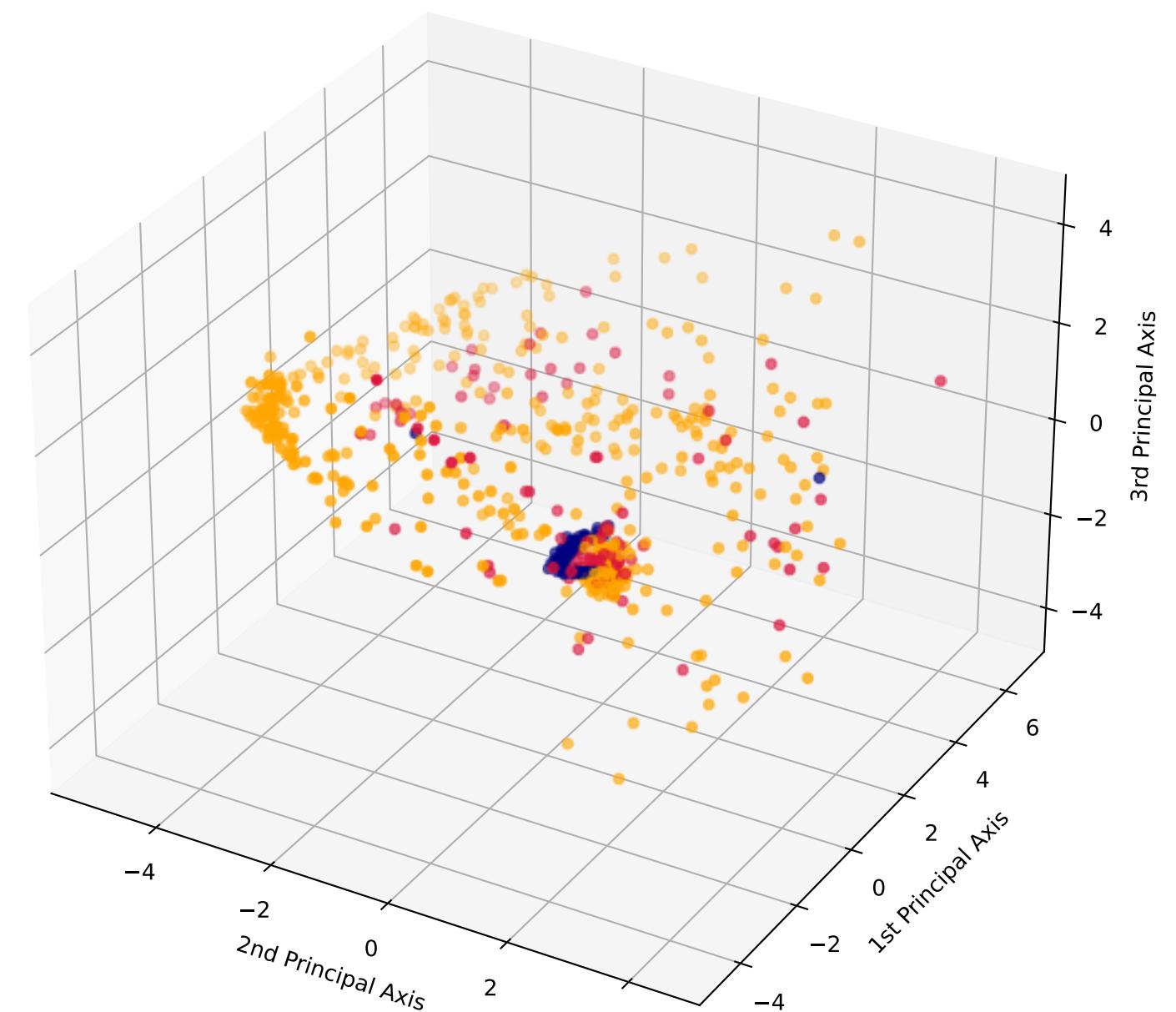
Angle 2



Angle 3



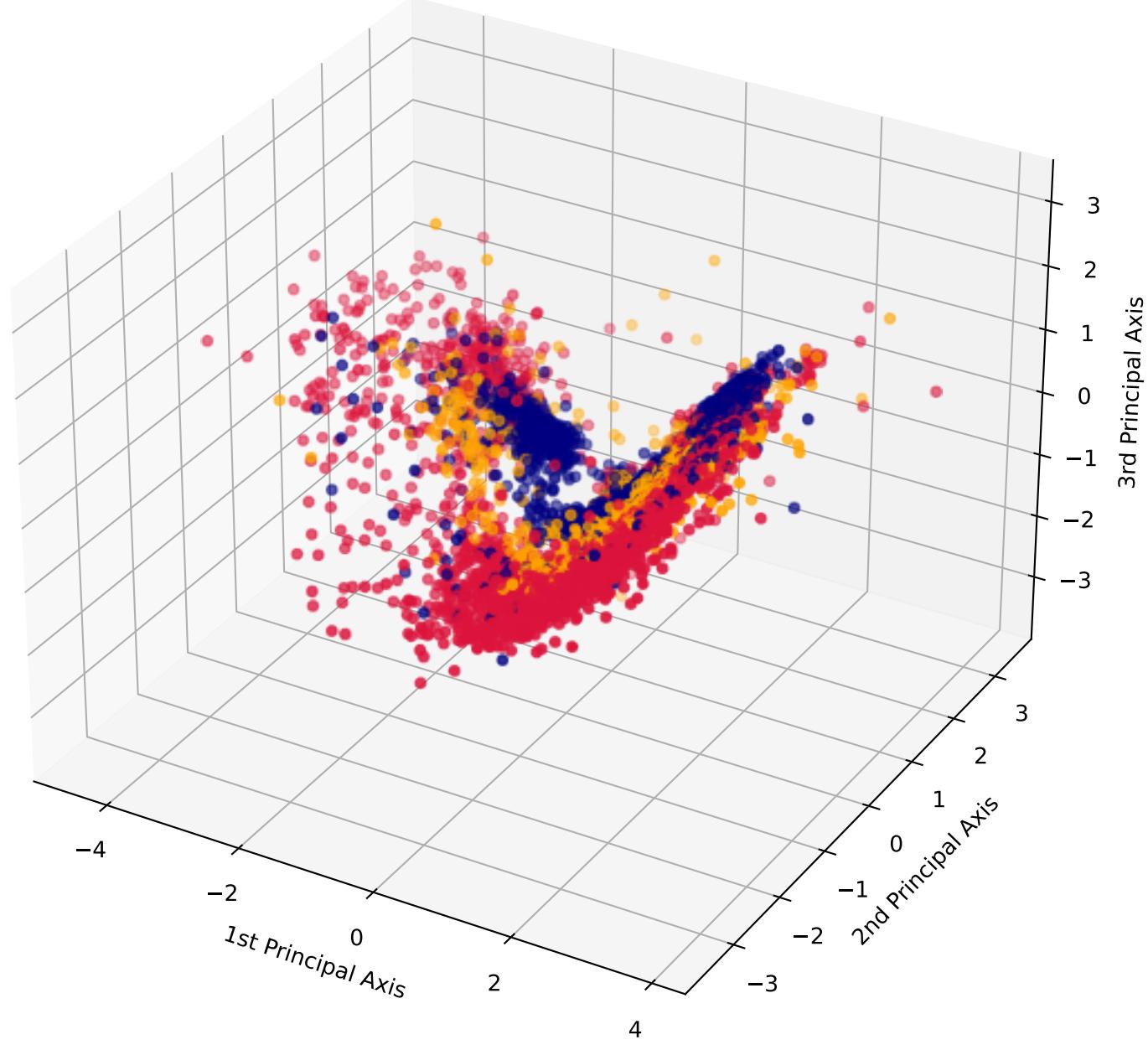
Angle 4



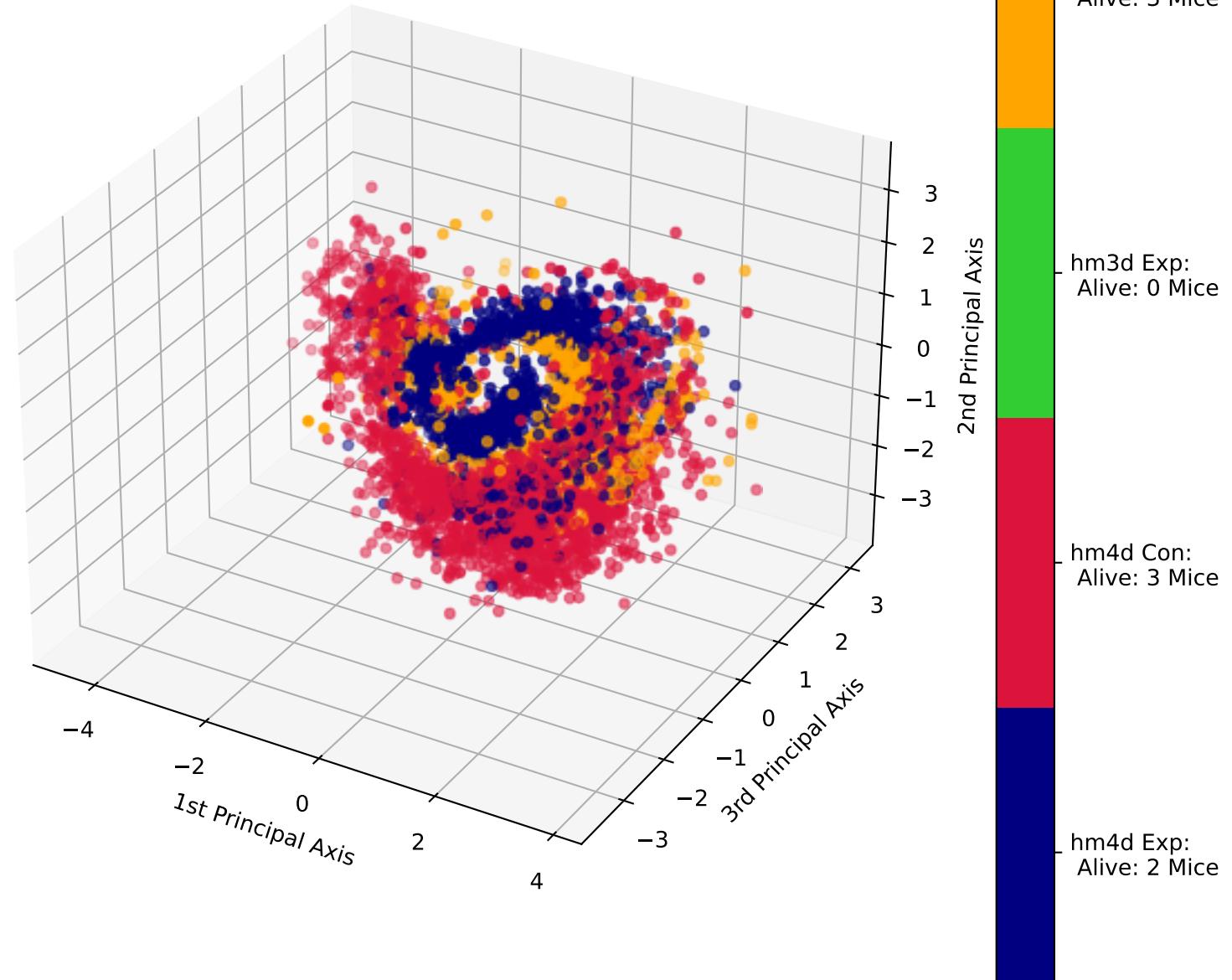
Mice Expired: ('M20868', 'hm3d Con')

Trial Number: 9, Phase: Eupnea Recovery

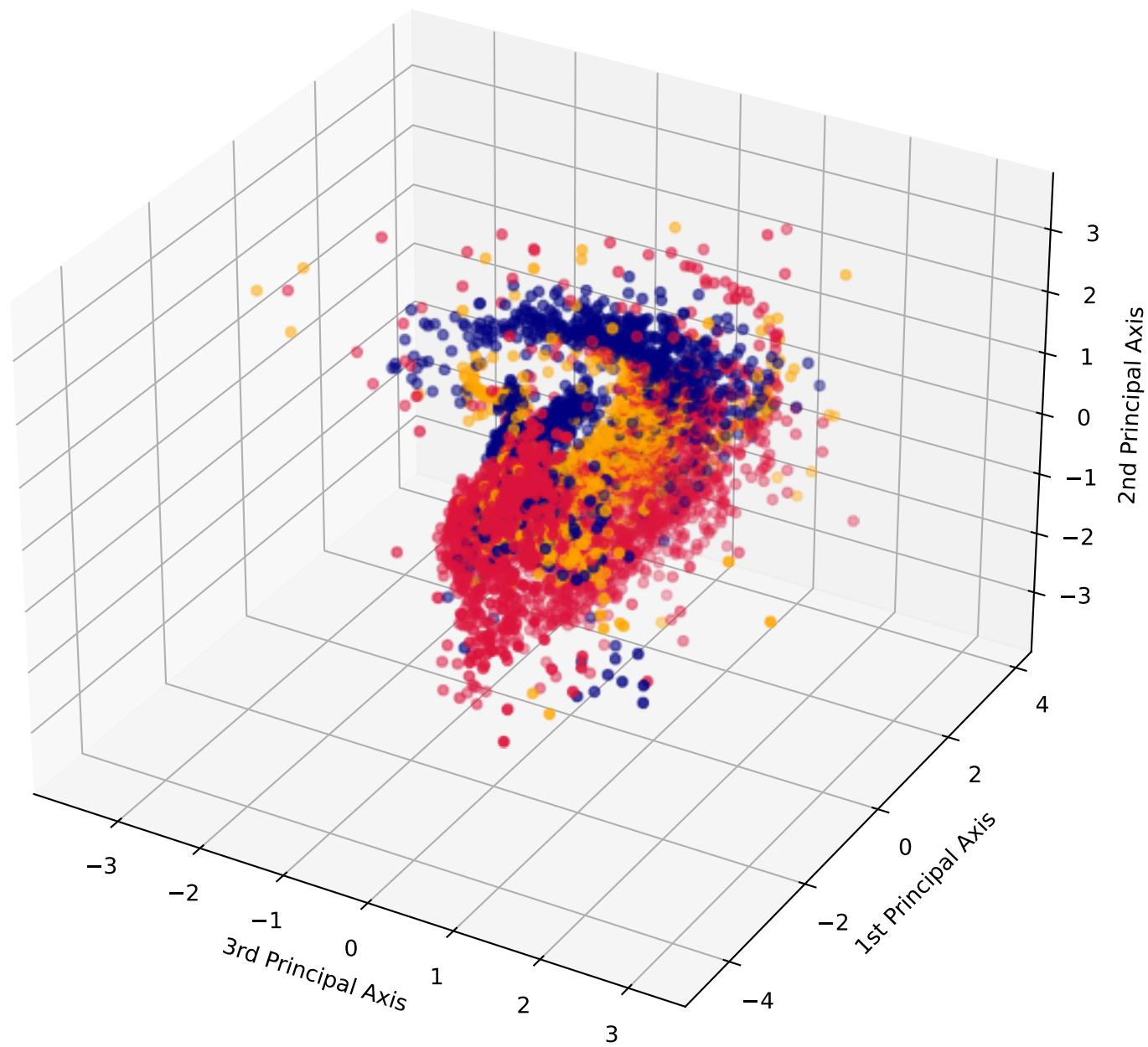
Angle 1



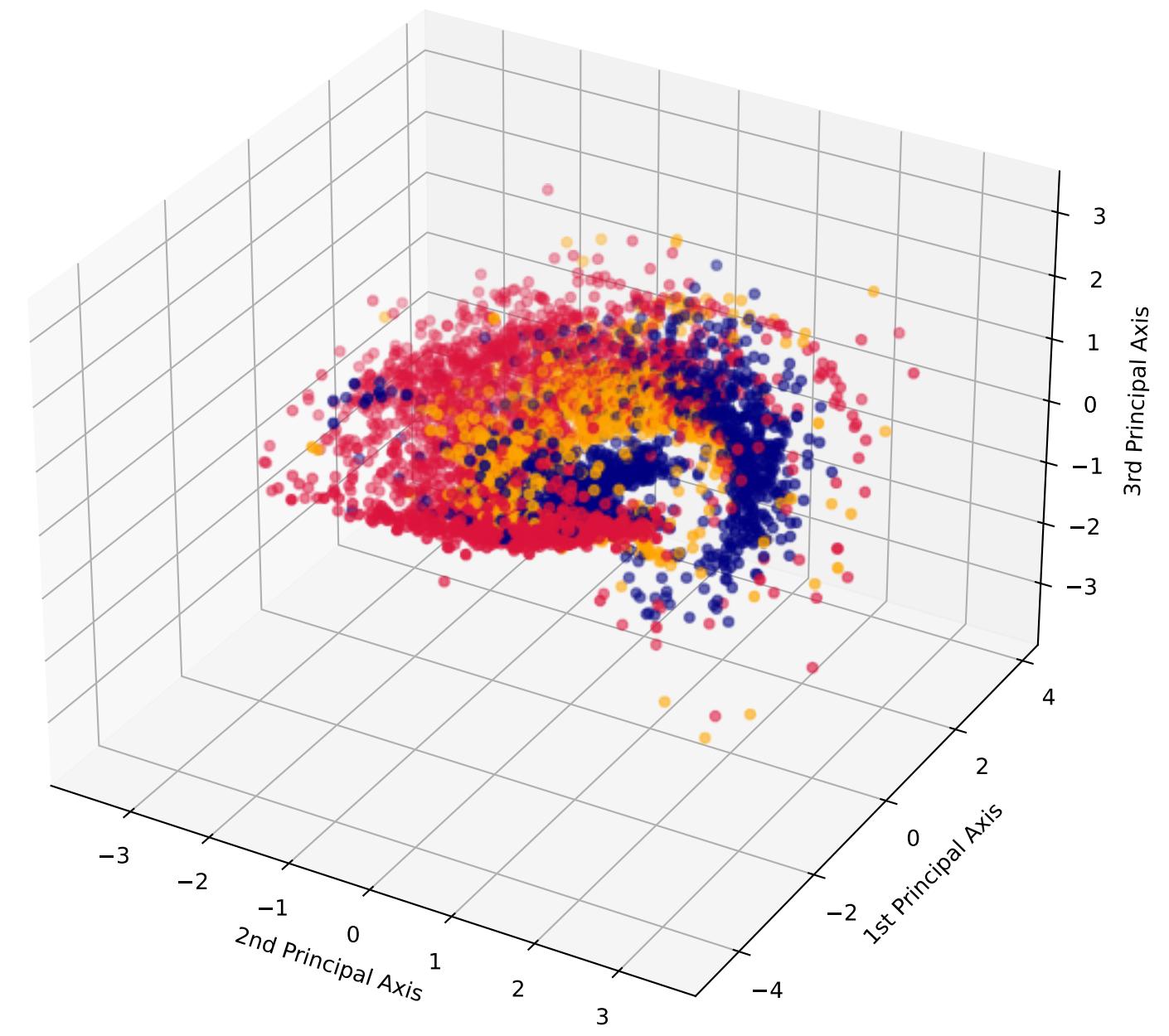
Angle 2



Angle 3



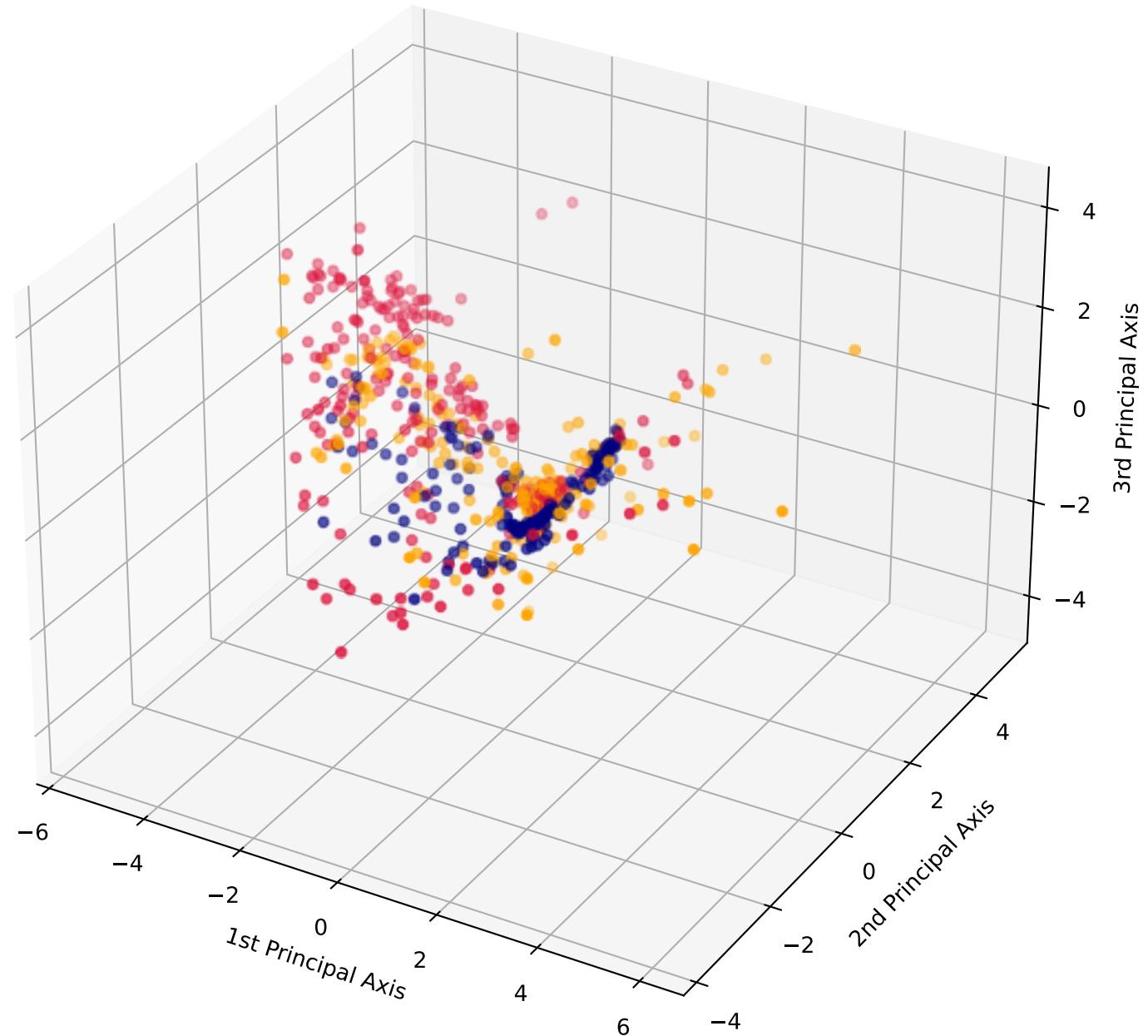
Angle 4



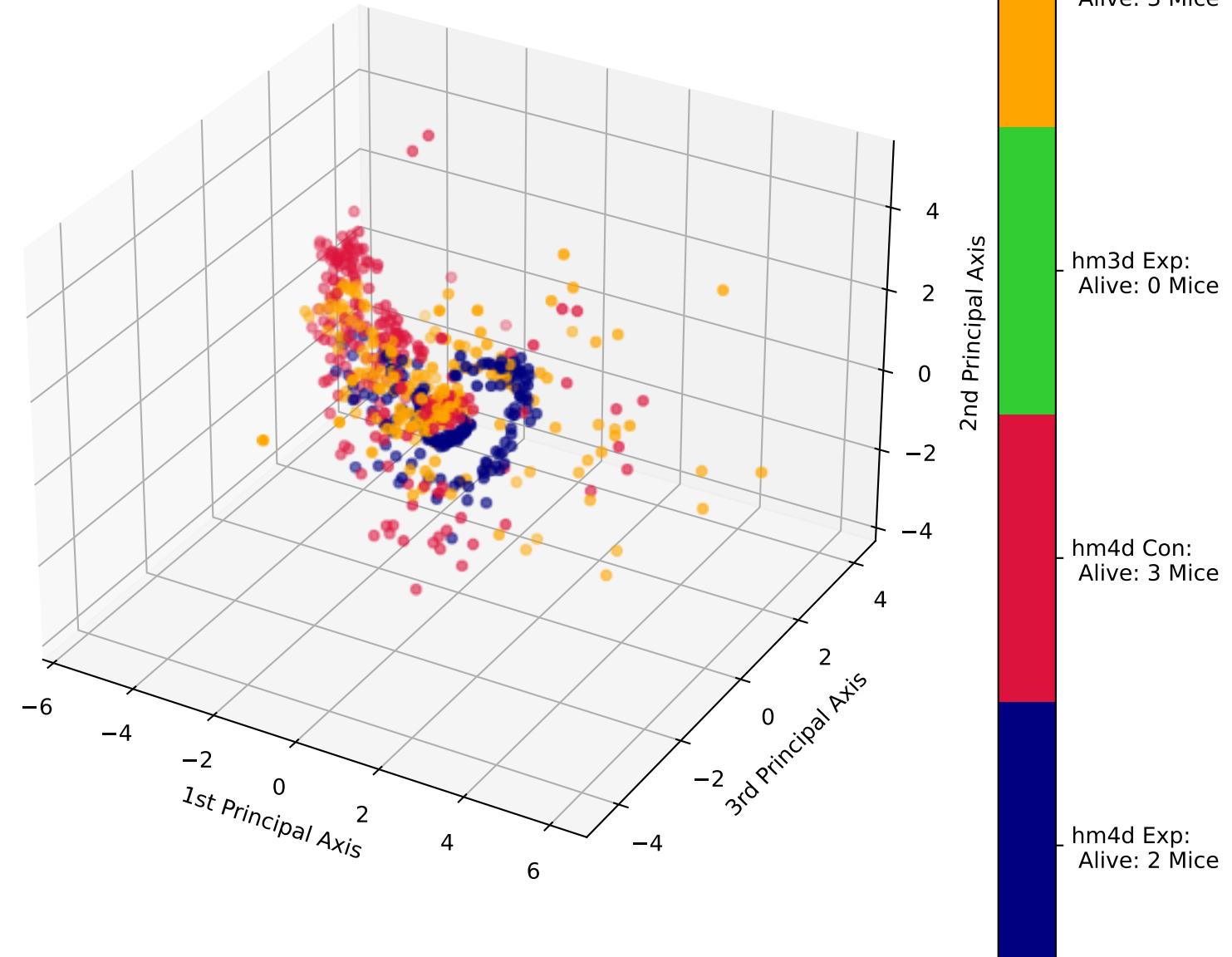
hm3d Con: Alive: 3 Mice
hm3d Exp: Alive: 0 Mice
hm4d Con: Alive: 3 Mice
hm4d Exp: Alive: 2 Mice

Trial Number: 10, Phase: Trial Onset

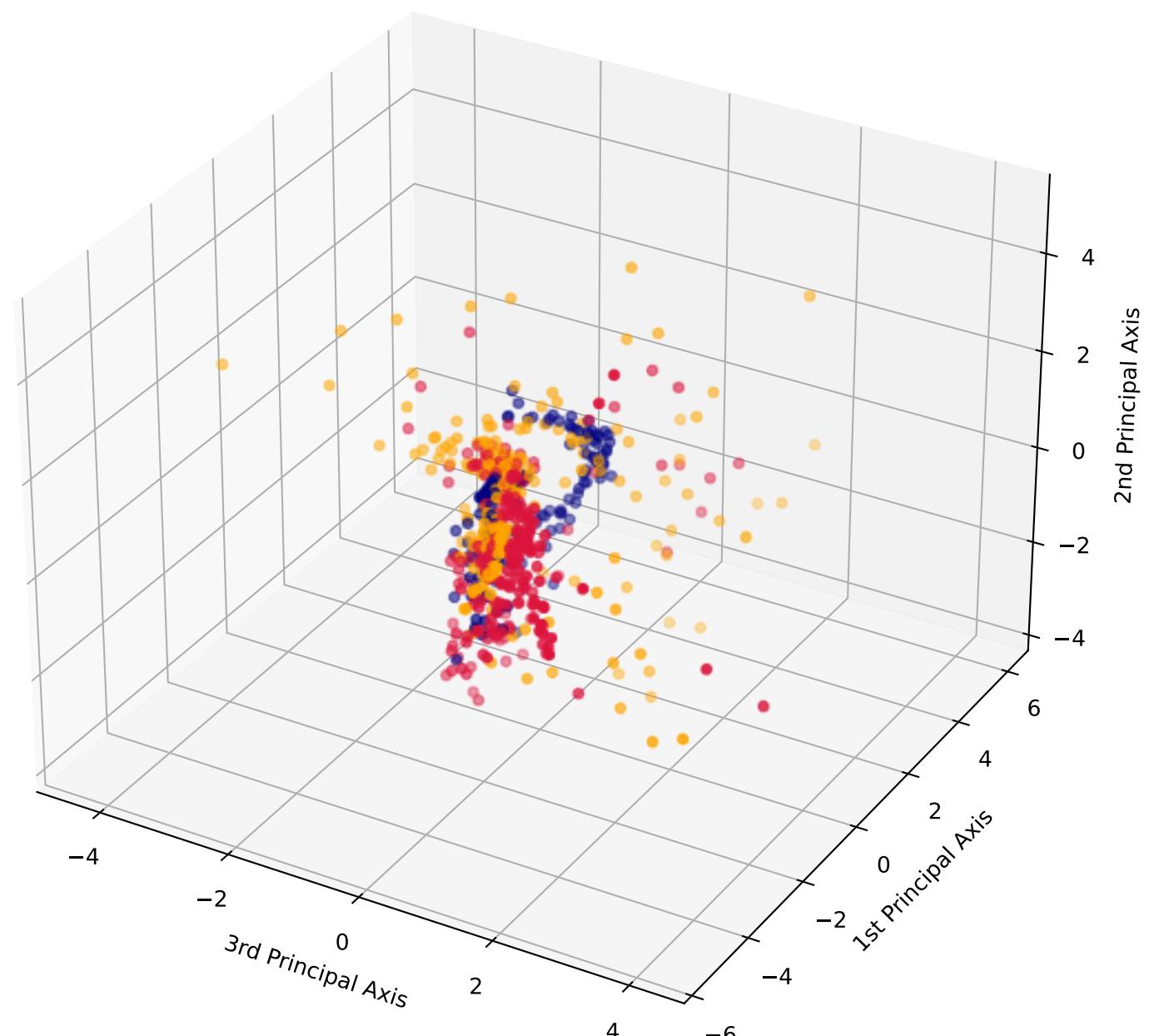
Angle 1



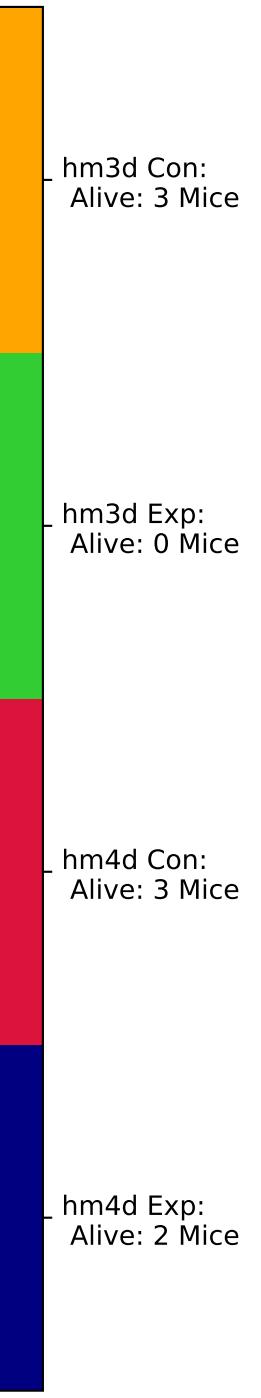
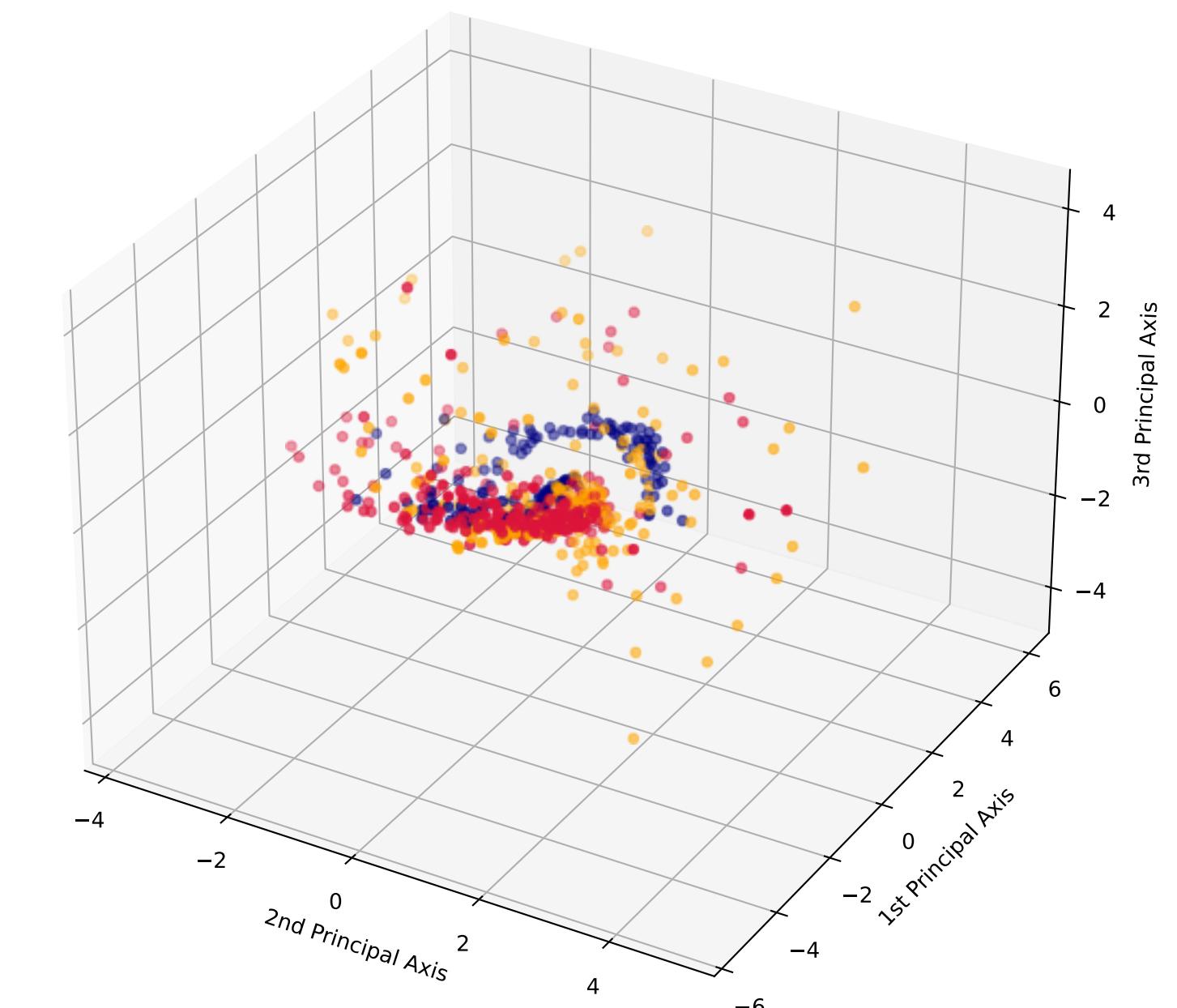
Angle 2



Angle 3

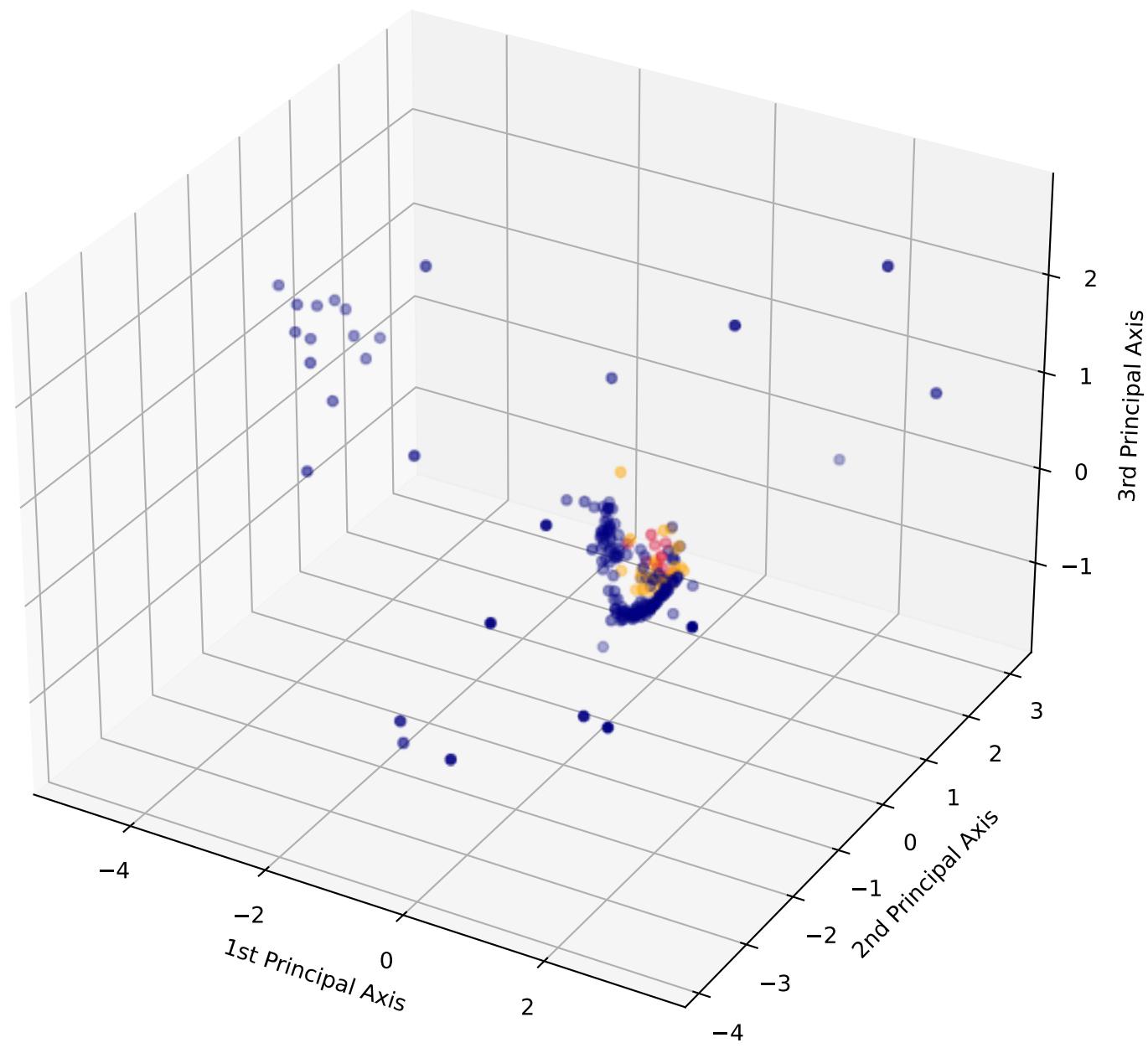


Angle 4

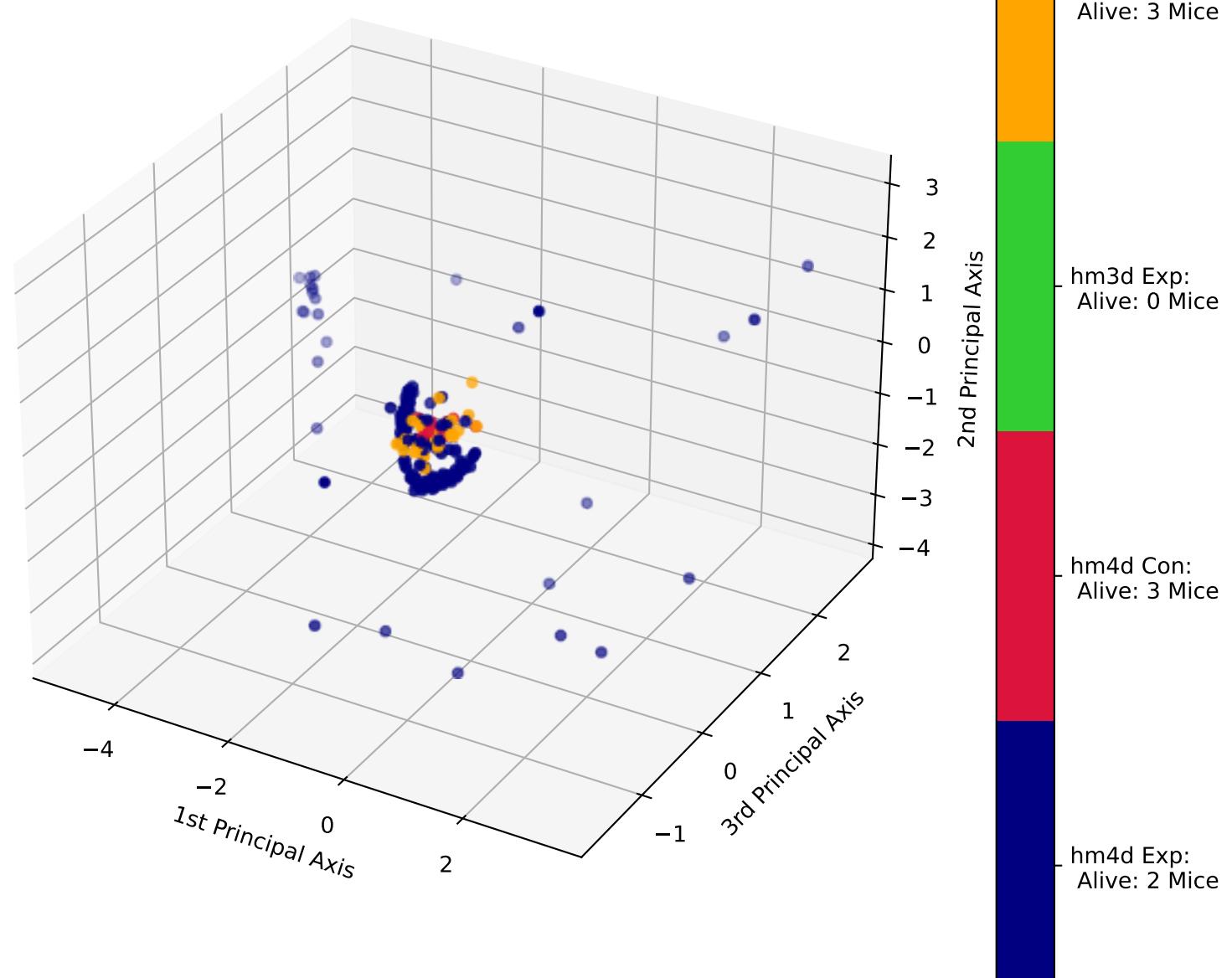


Trial Number: 10, Phase: Apnea Starts

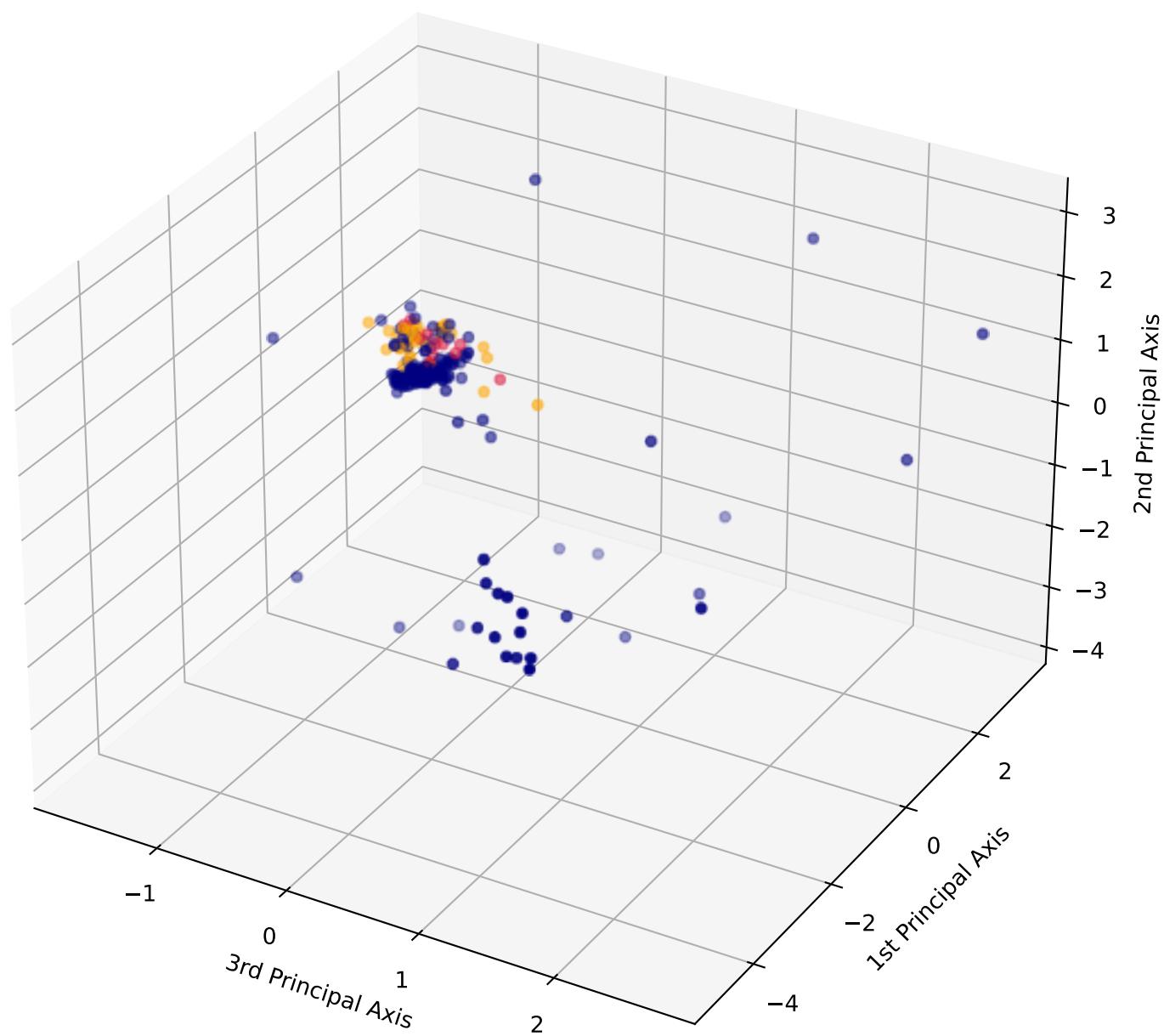
Angle 1



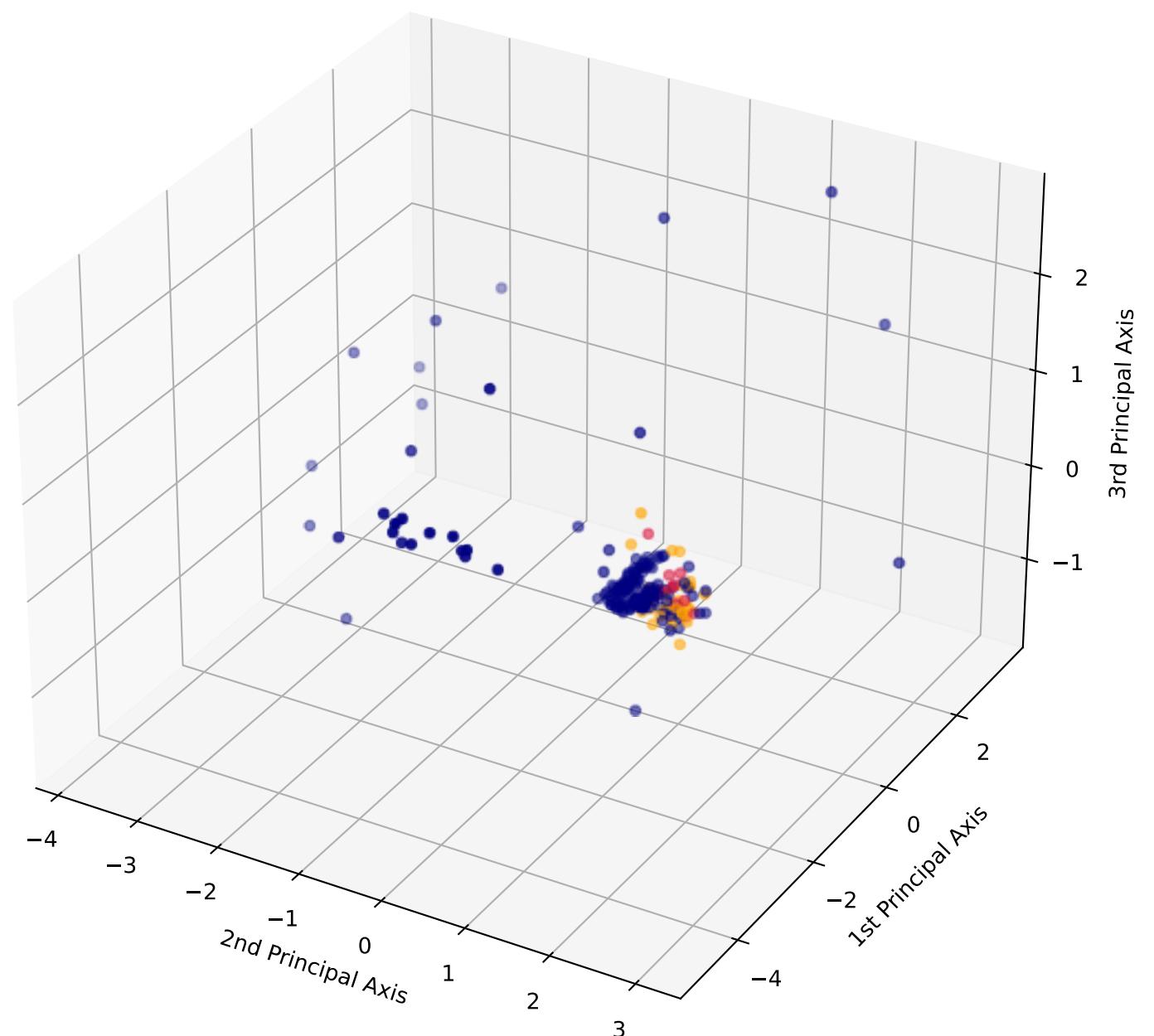
Angle 2



Angle 3

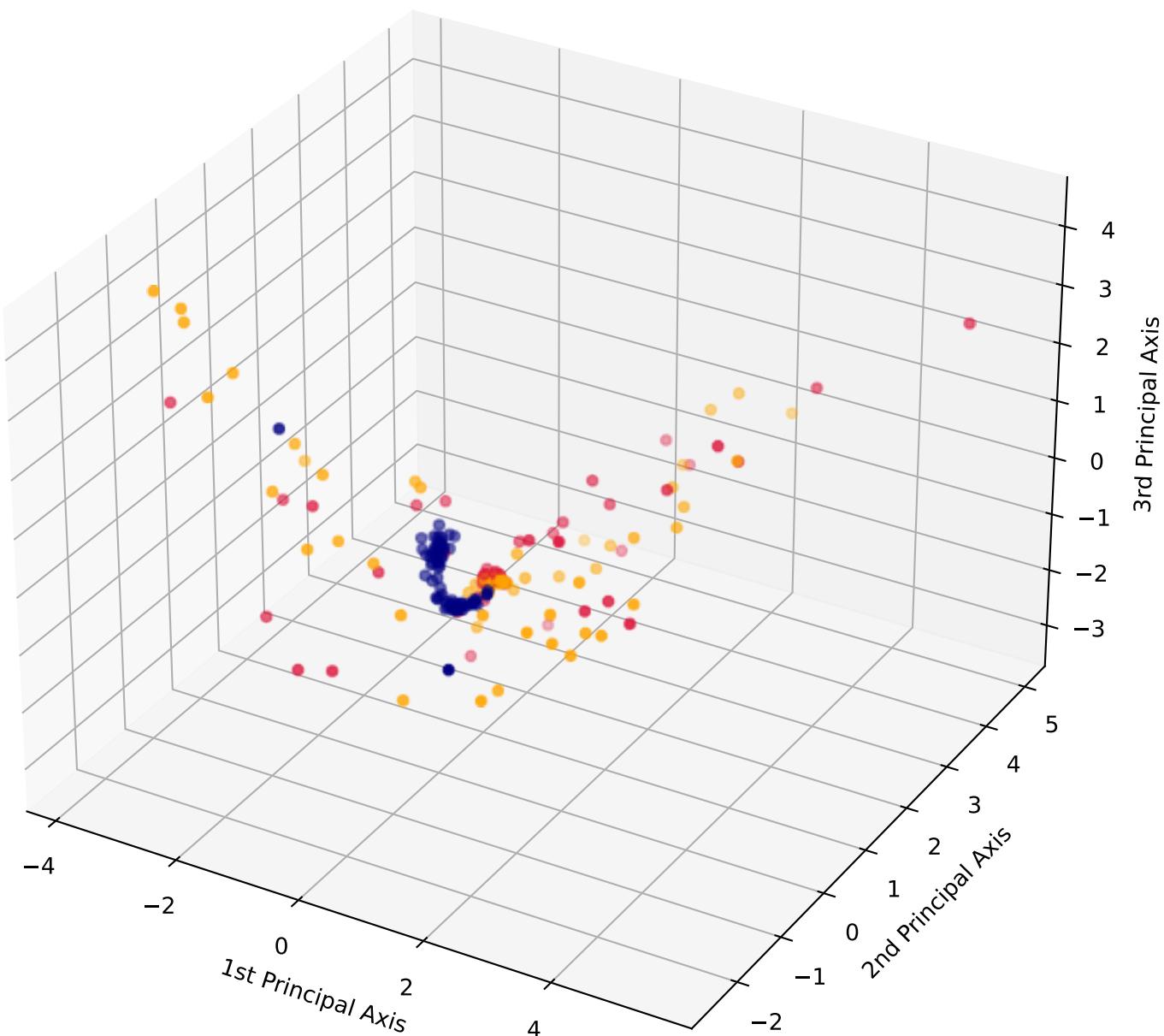


Angle 4

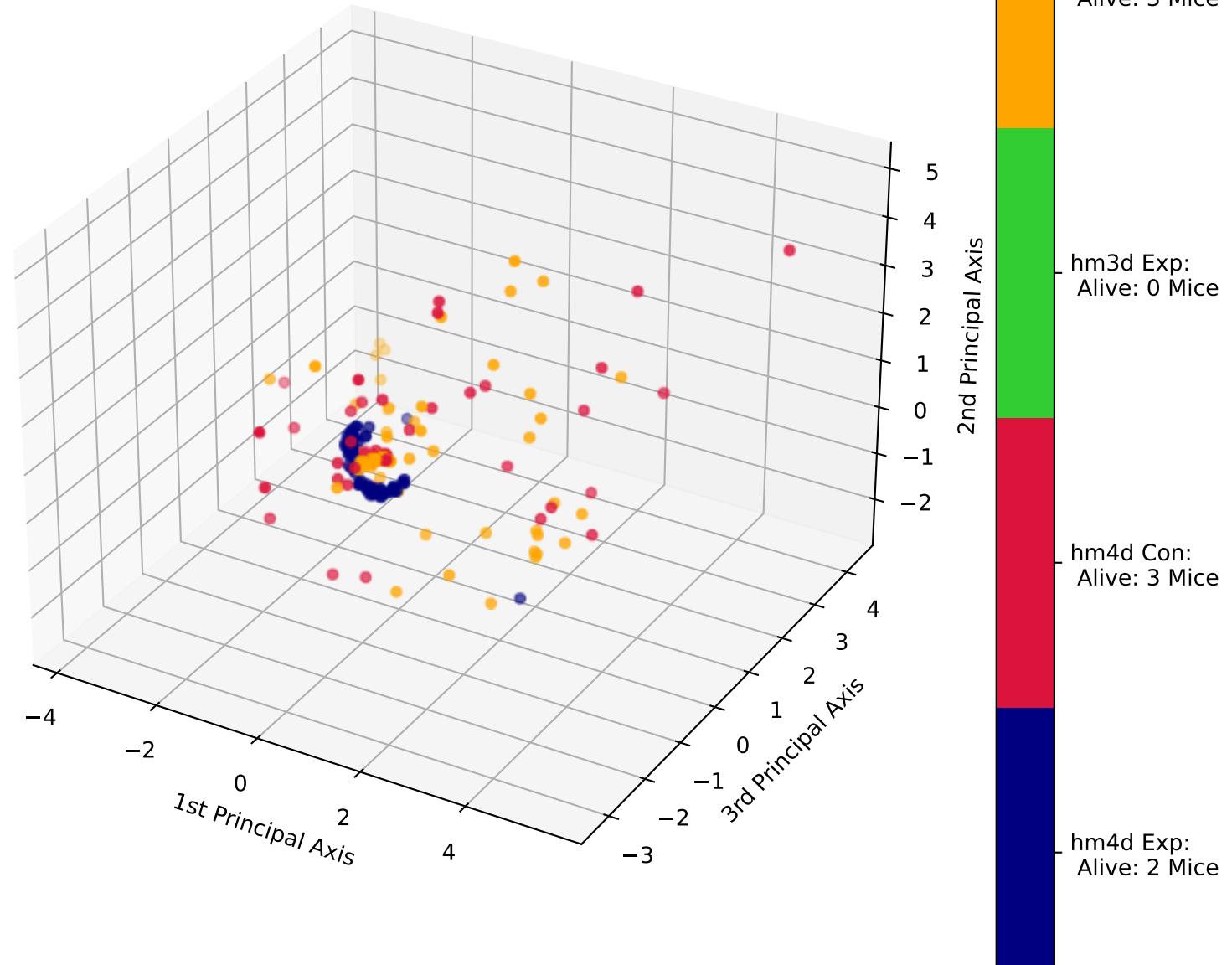


Trial Number: 10, Phase: First Gasp

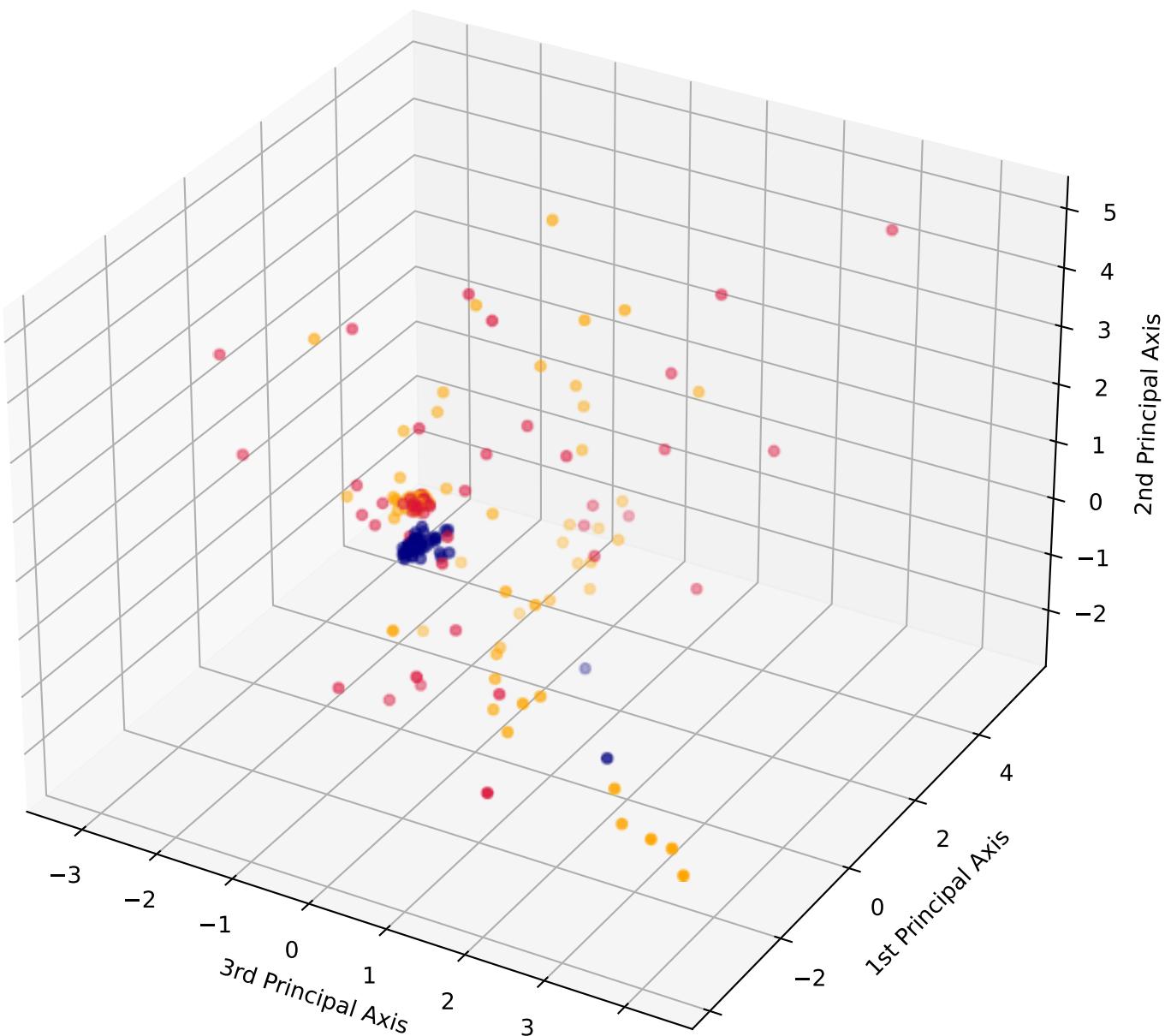
Angle 1



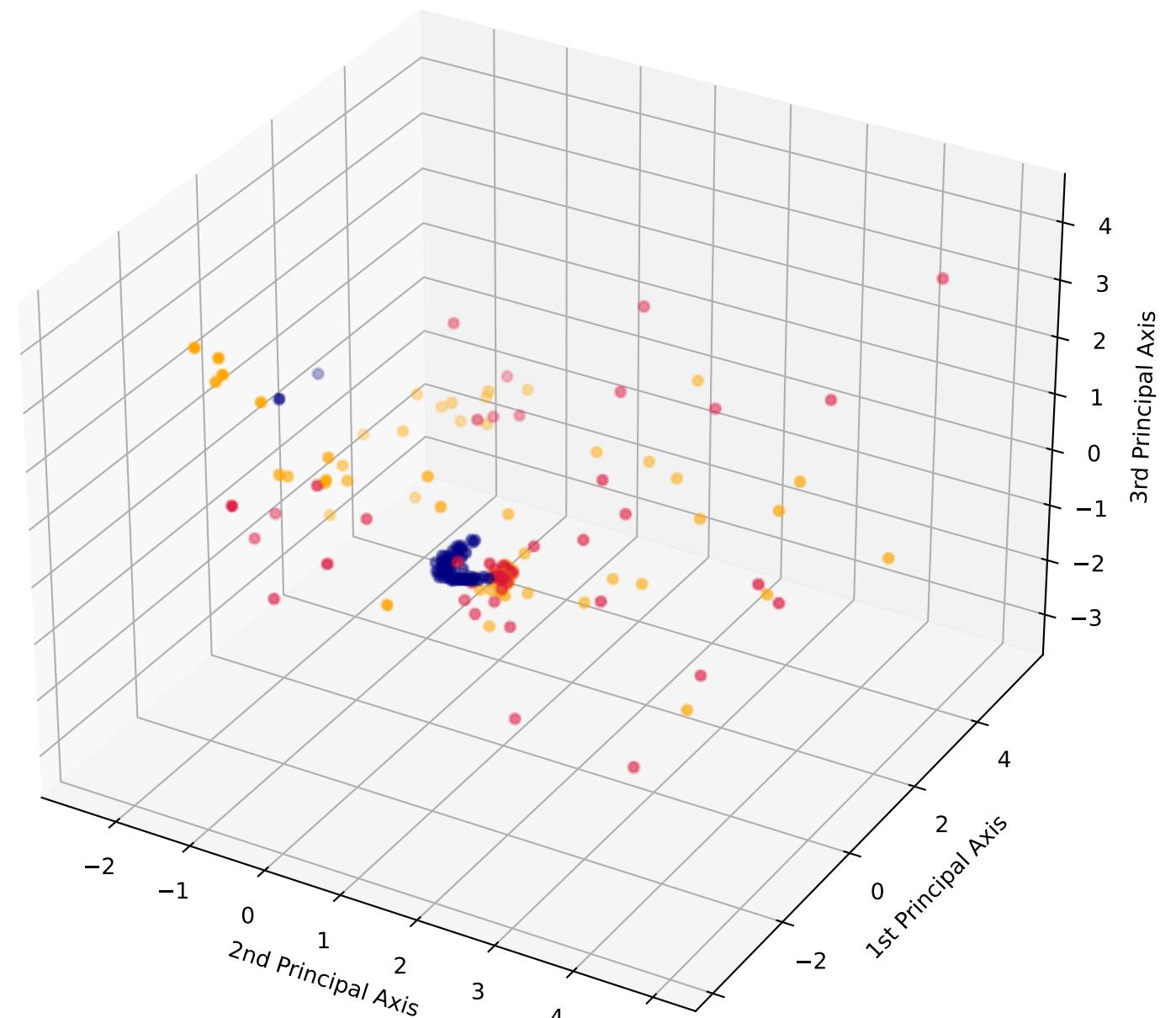
Angle 2



Angle 3



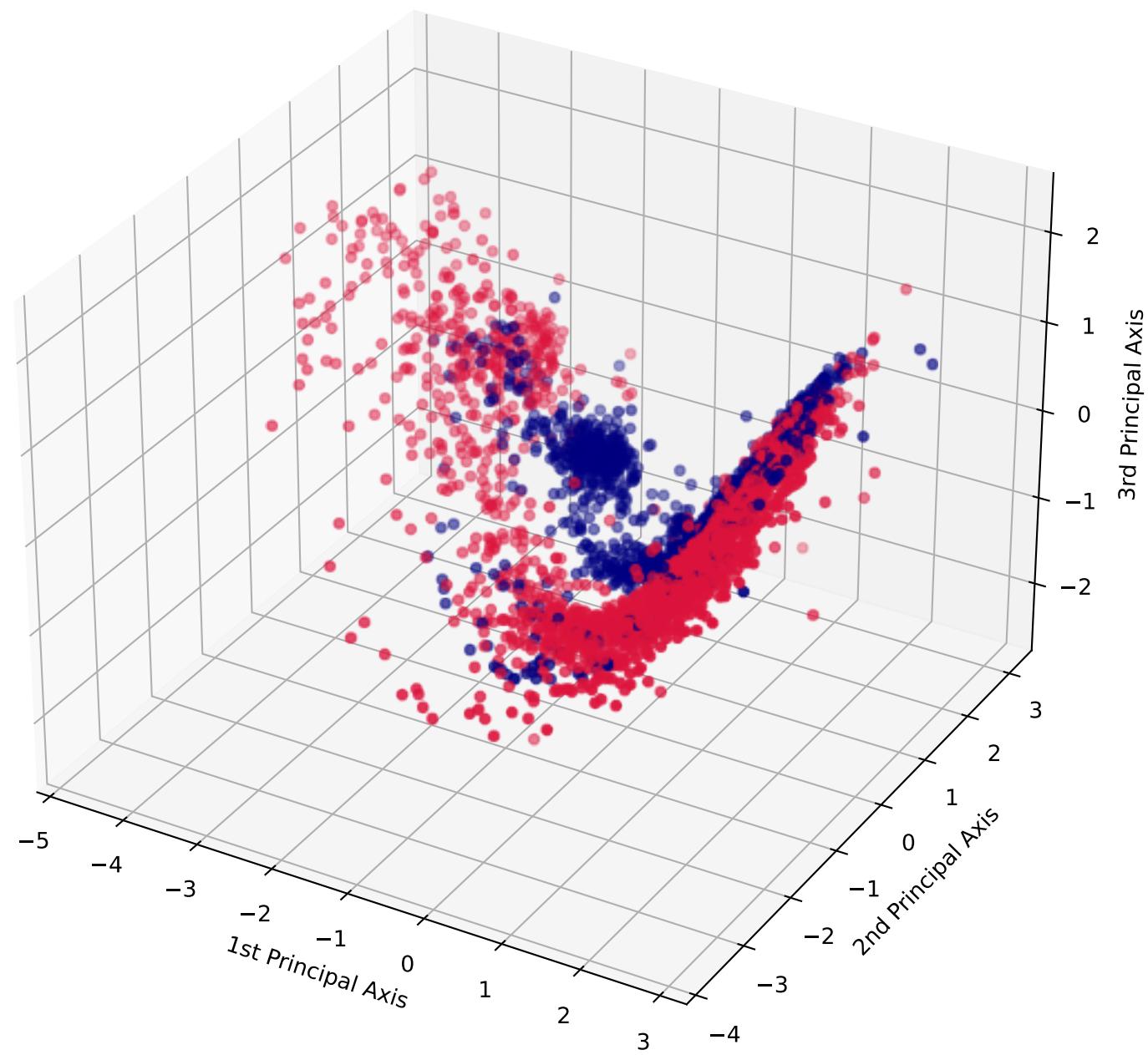
Angle 4



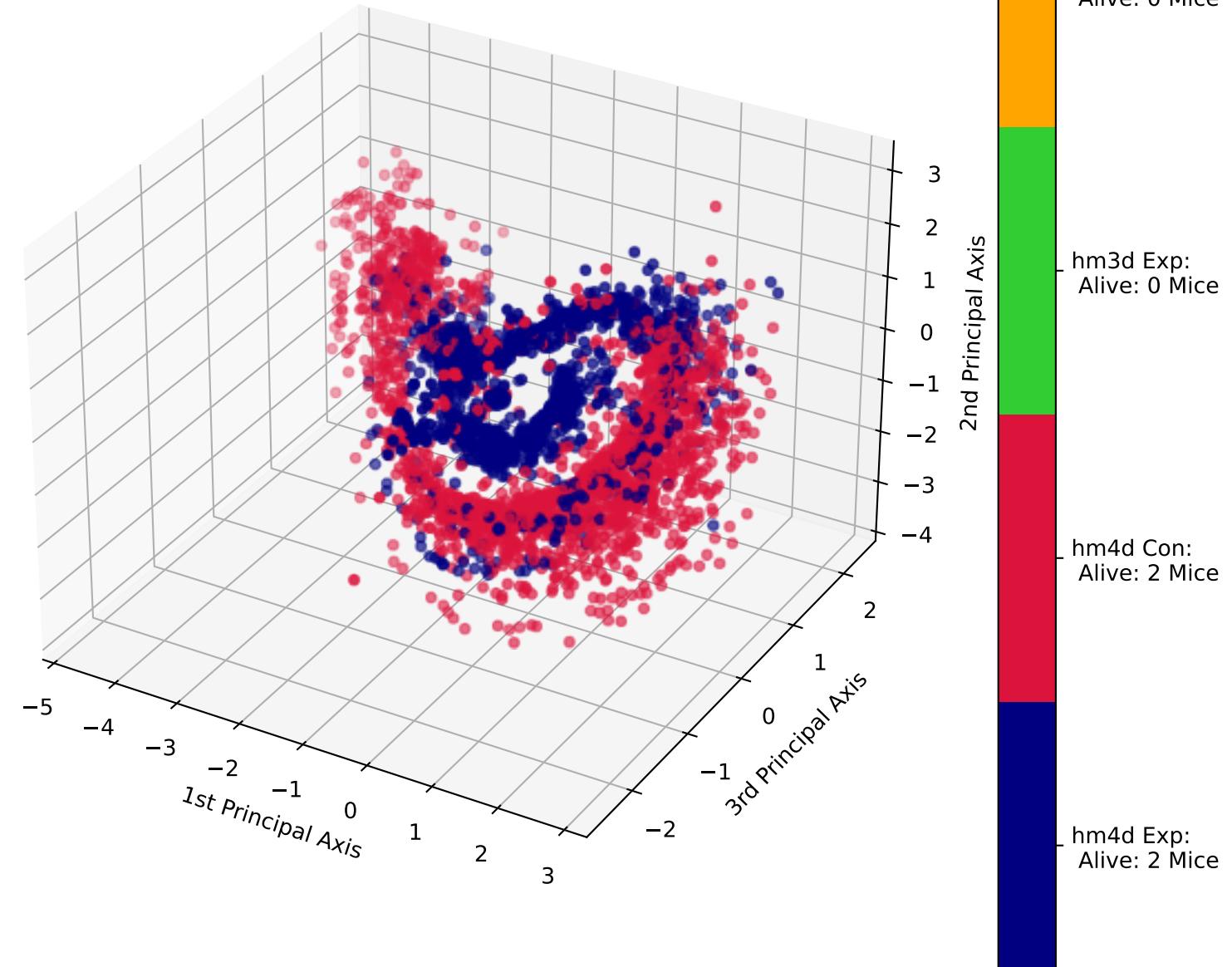
Mice Expired: ('M21481', 'hm3d Con') ('M21483', 'hm3d Con') ('M21486', 'hm3d Con') ('M21628', 'hm4d Con')

Trial Number: 10, Phase: Eupnea Recovery

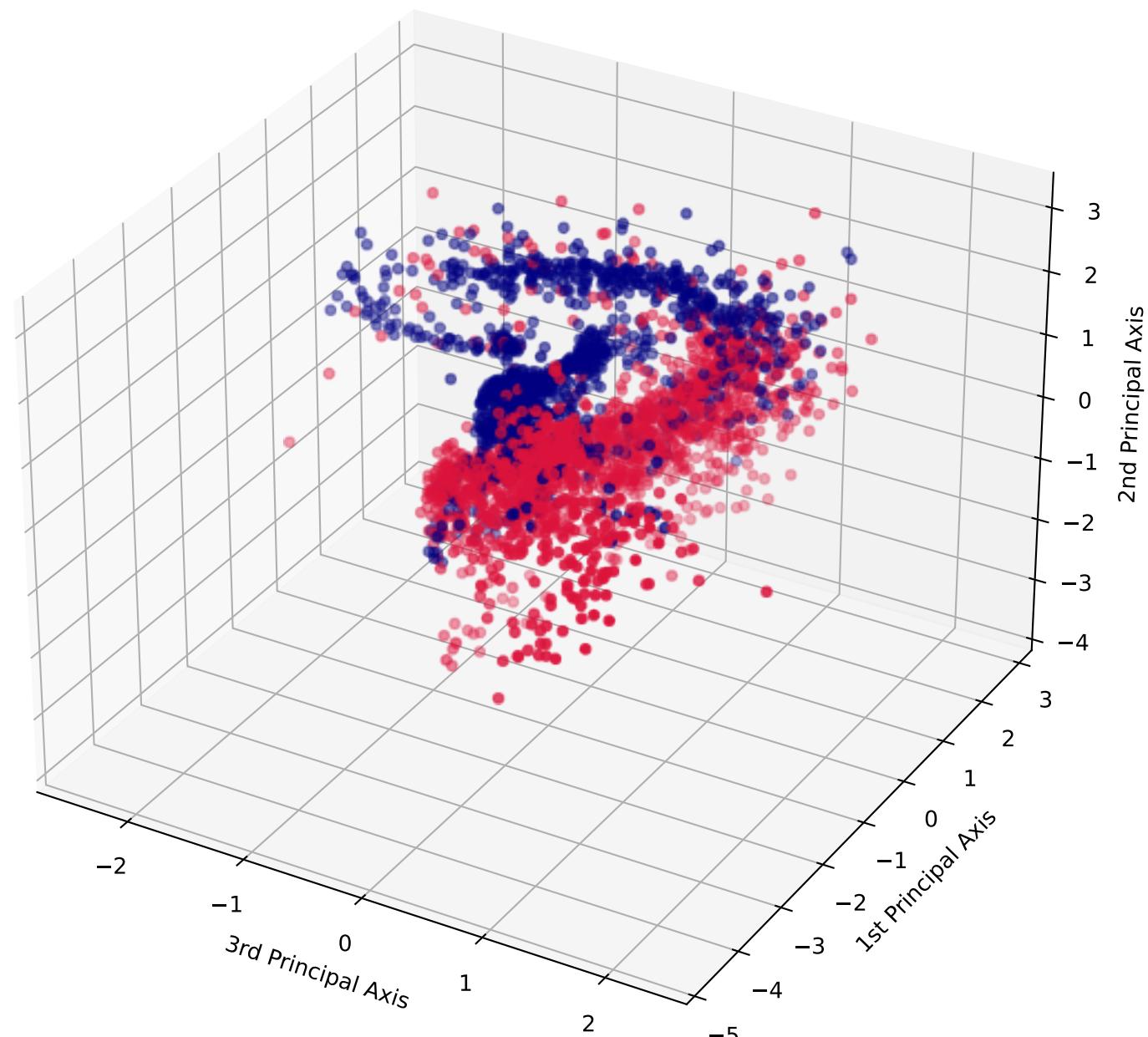
Angle 1



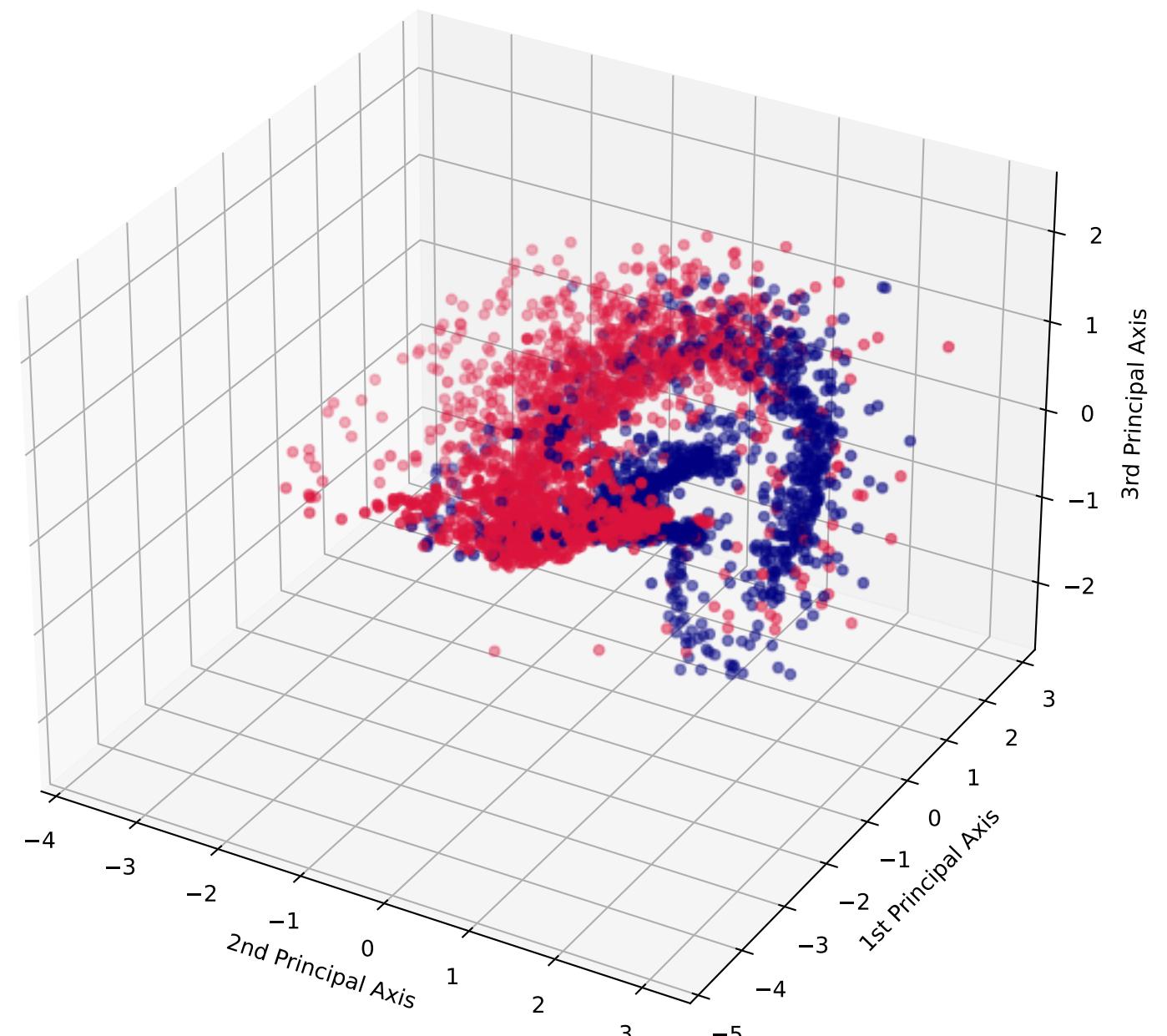
Angle 2



Angle 3

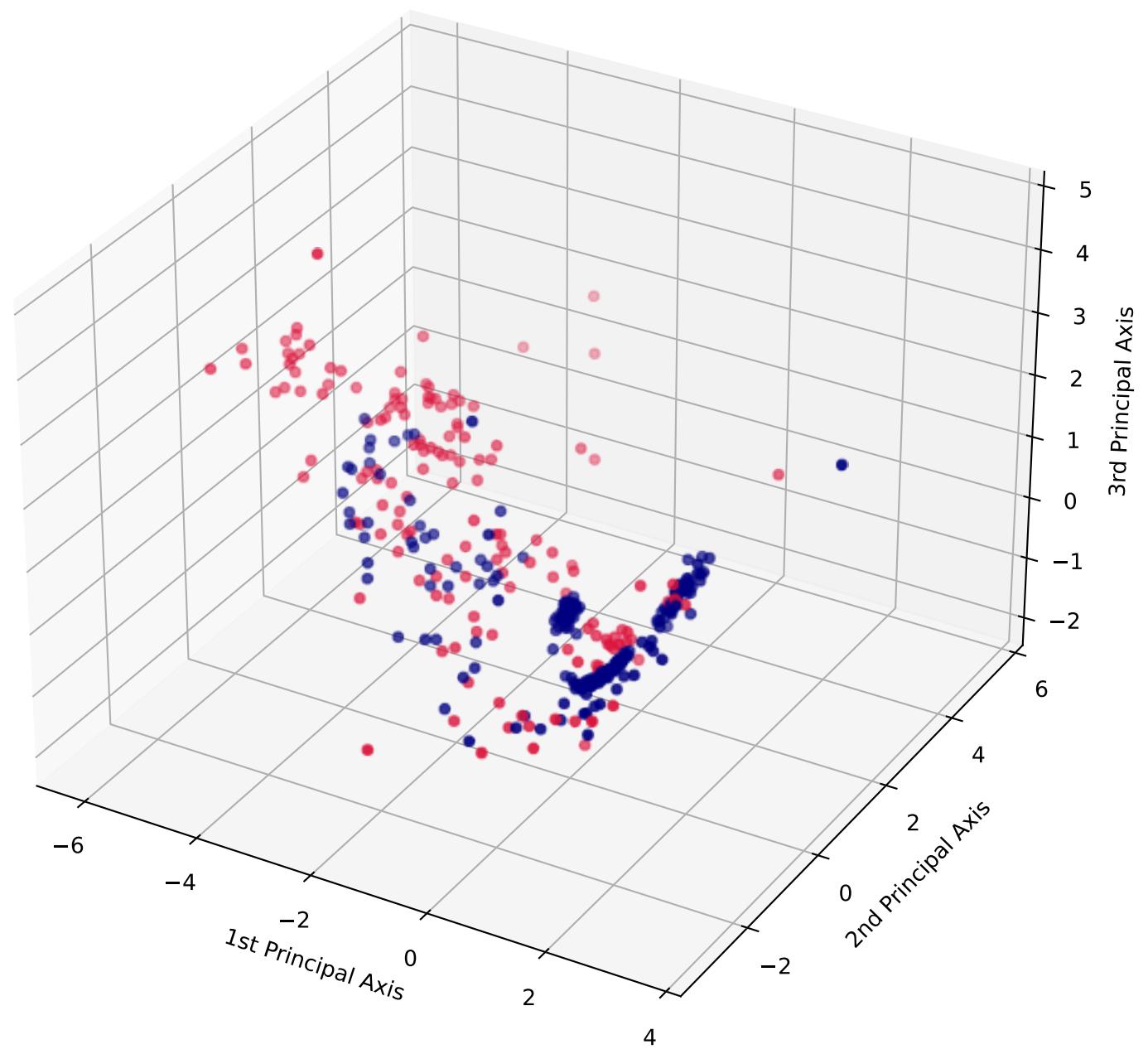


Angle 4

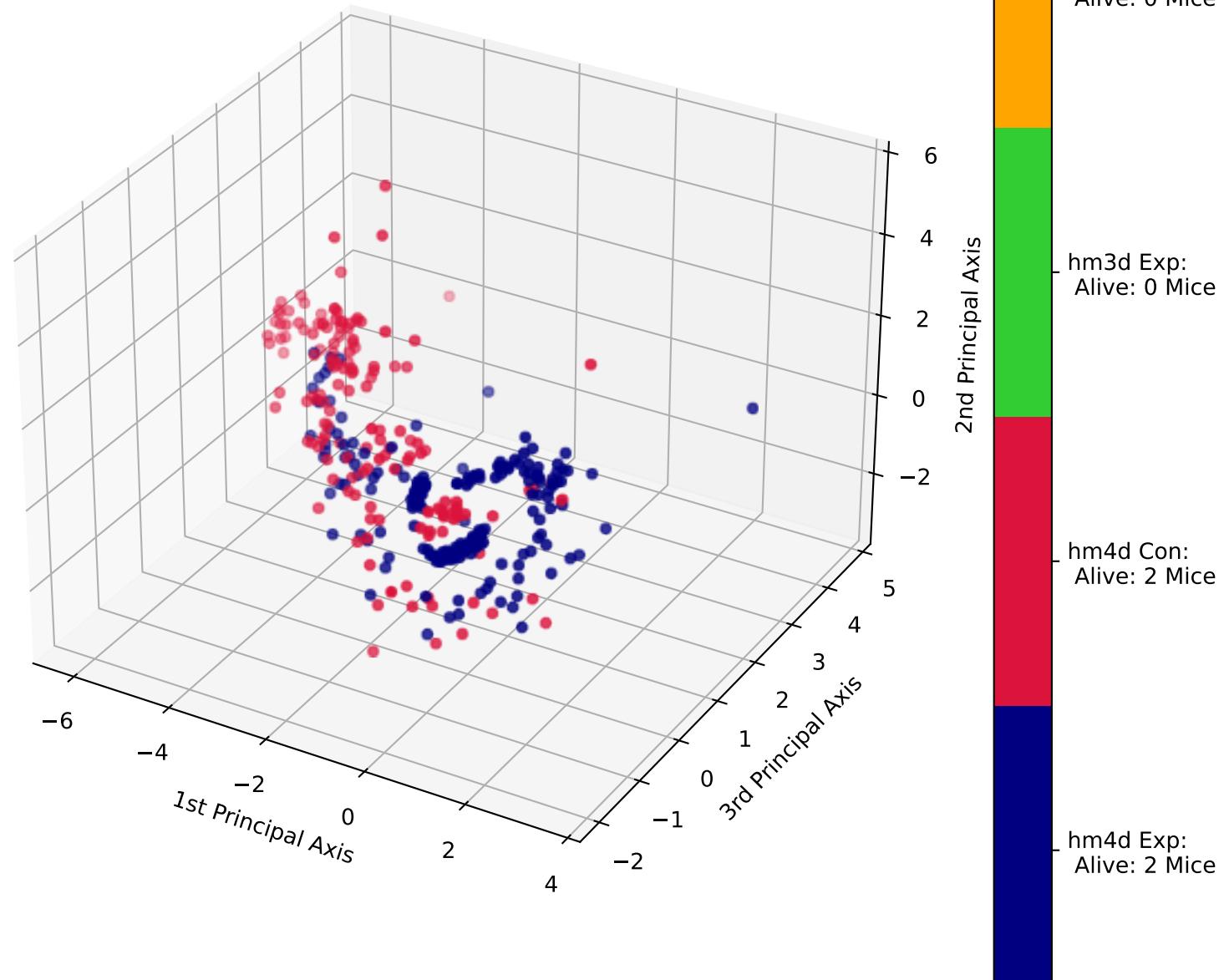


Trial Number: 11, Phase: Trial Onset

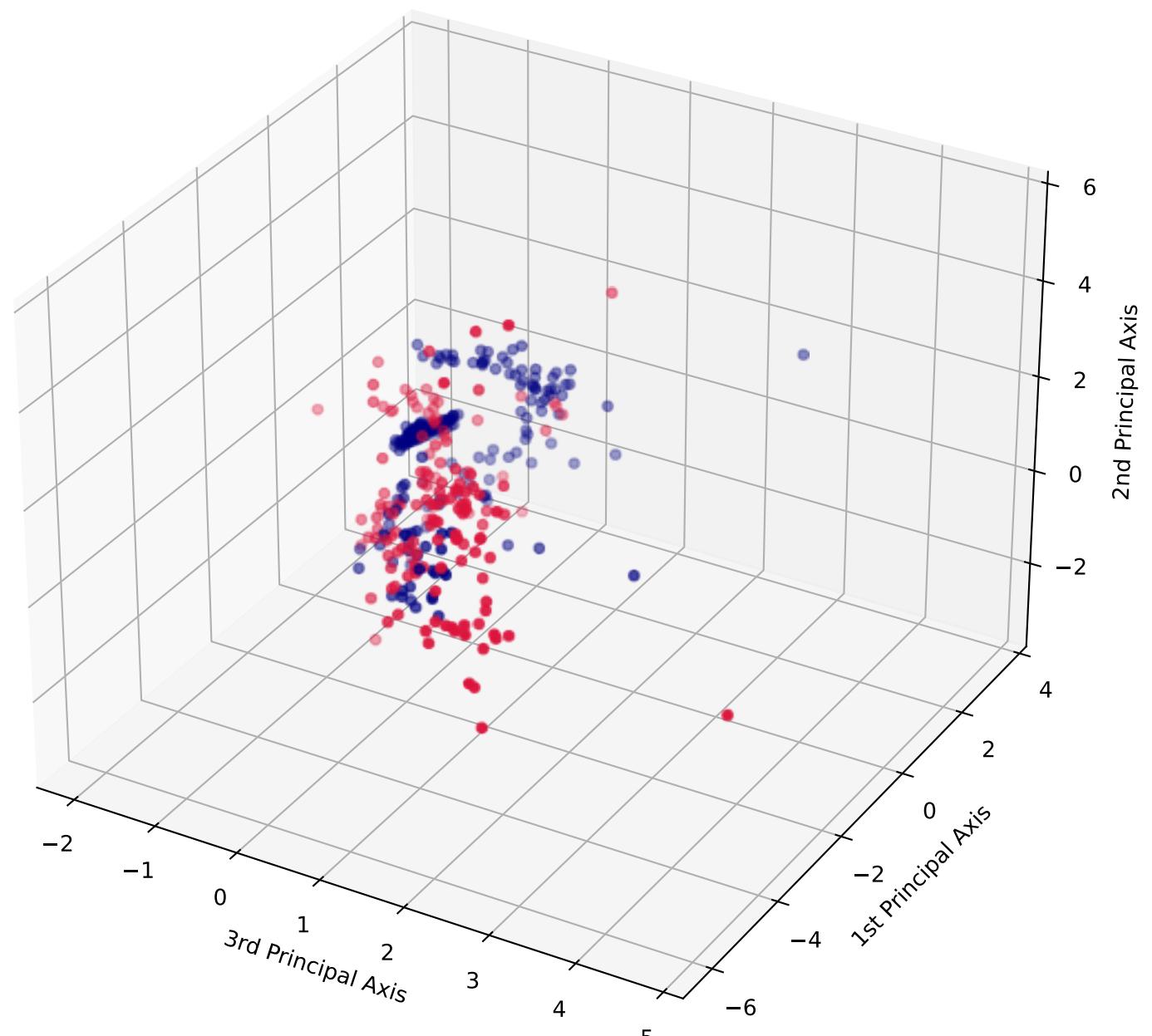
Angle 1



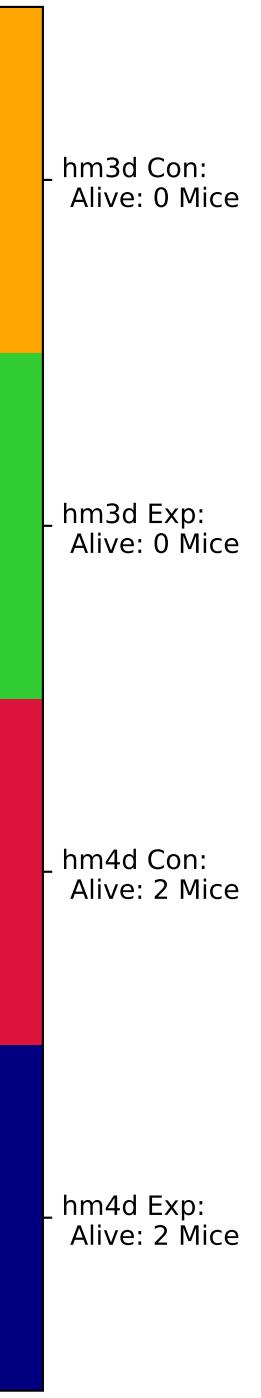
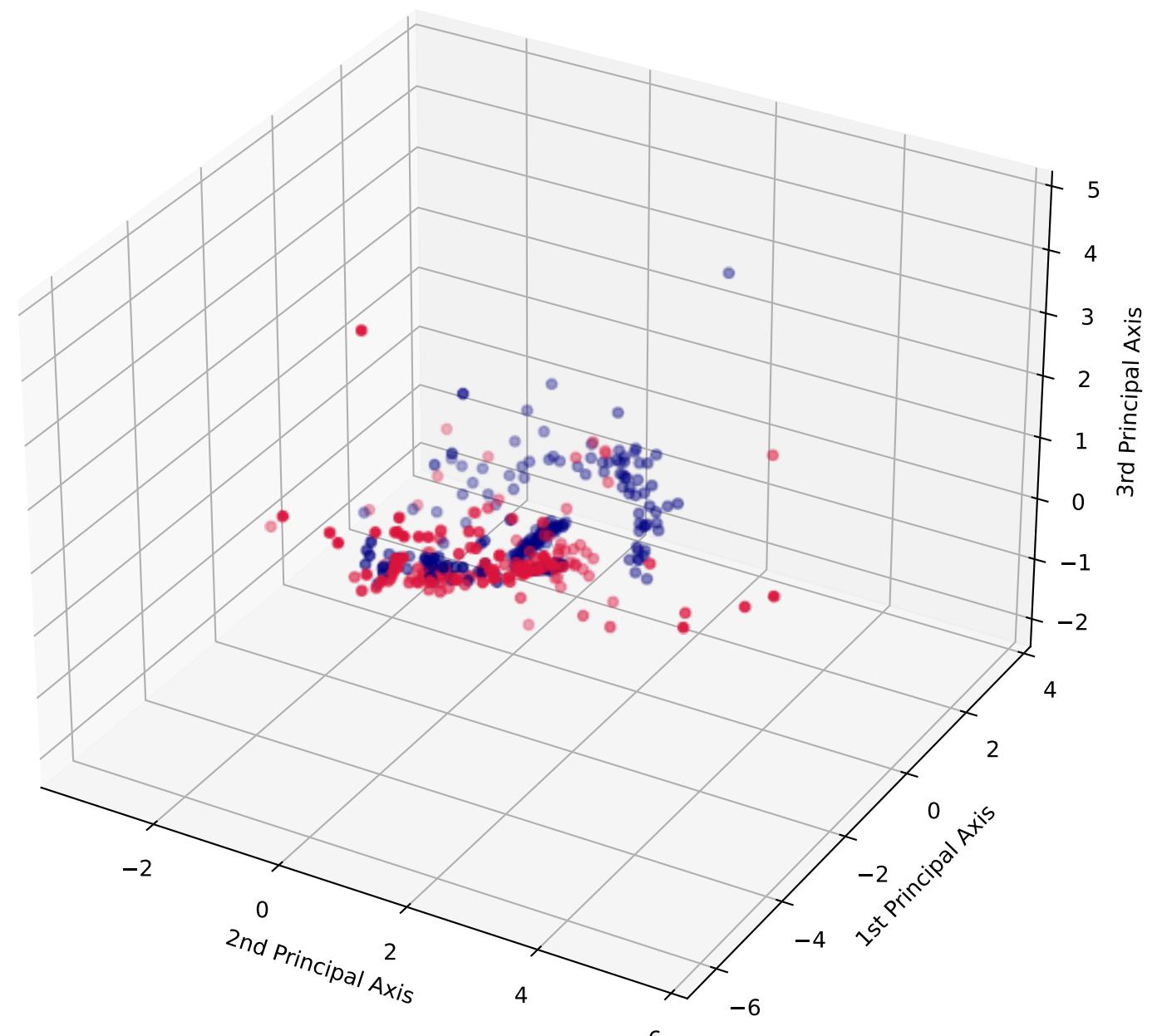
Angle 2



Angle 3

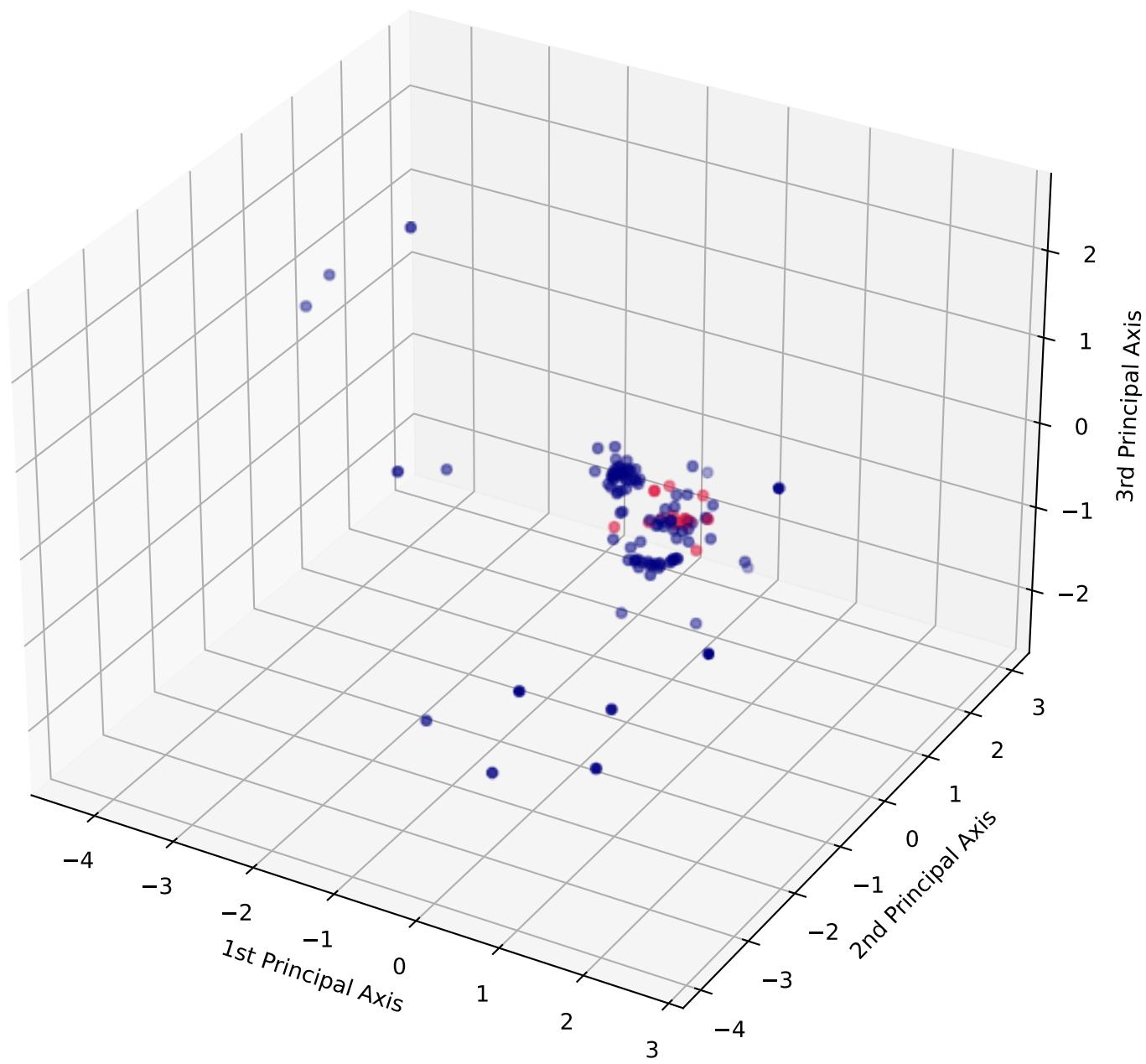


Angle 4

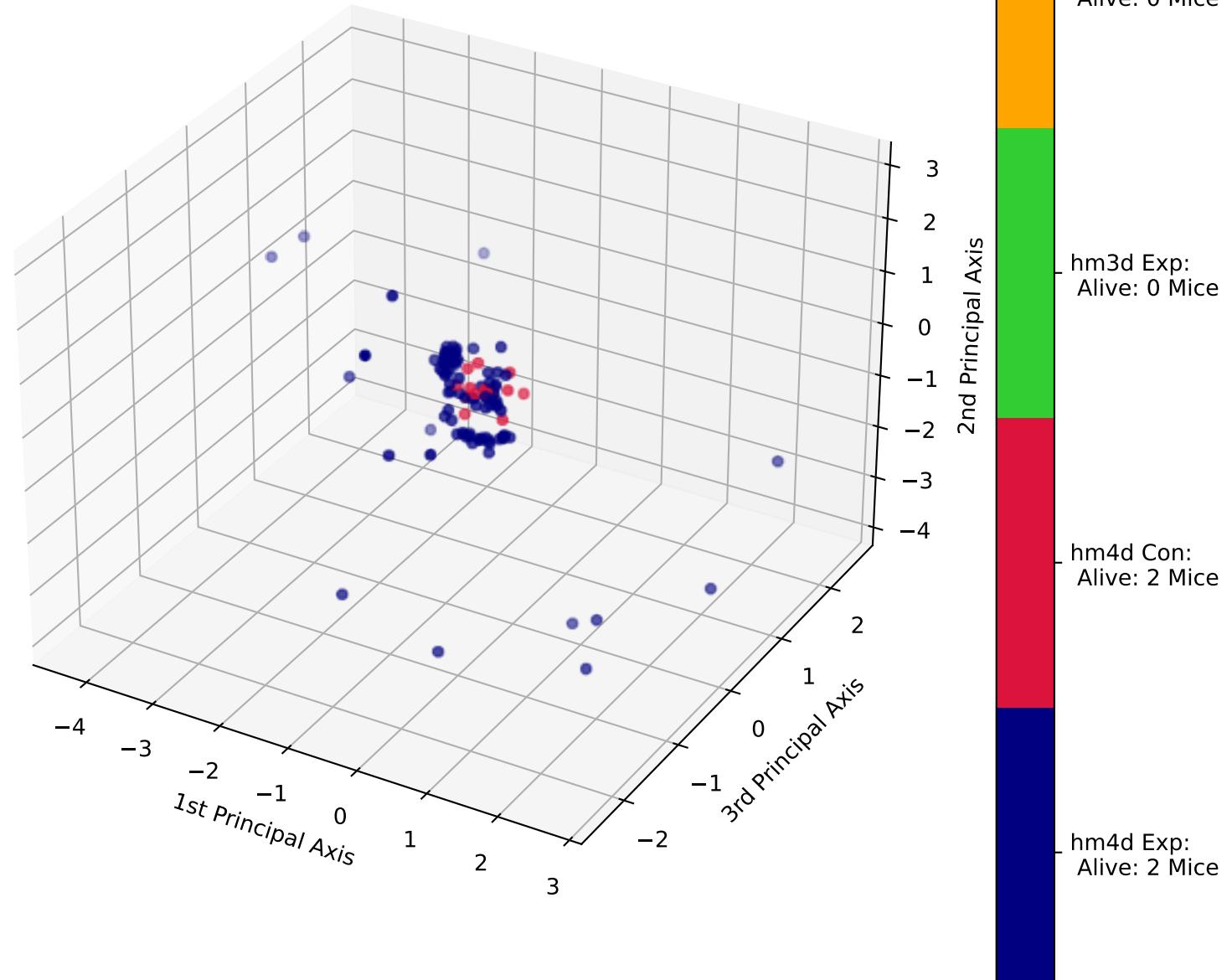


Trial Number: 11, Phase: Apnea Starts

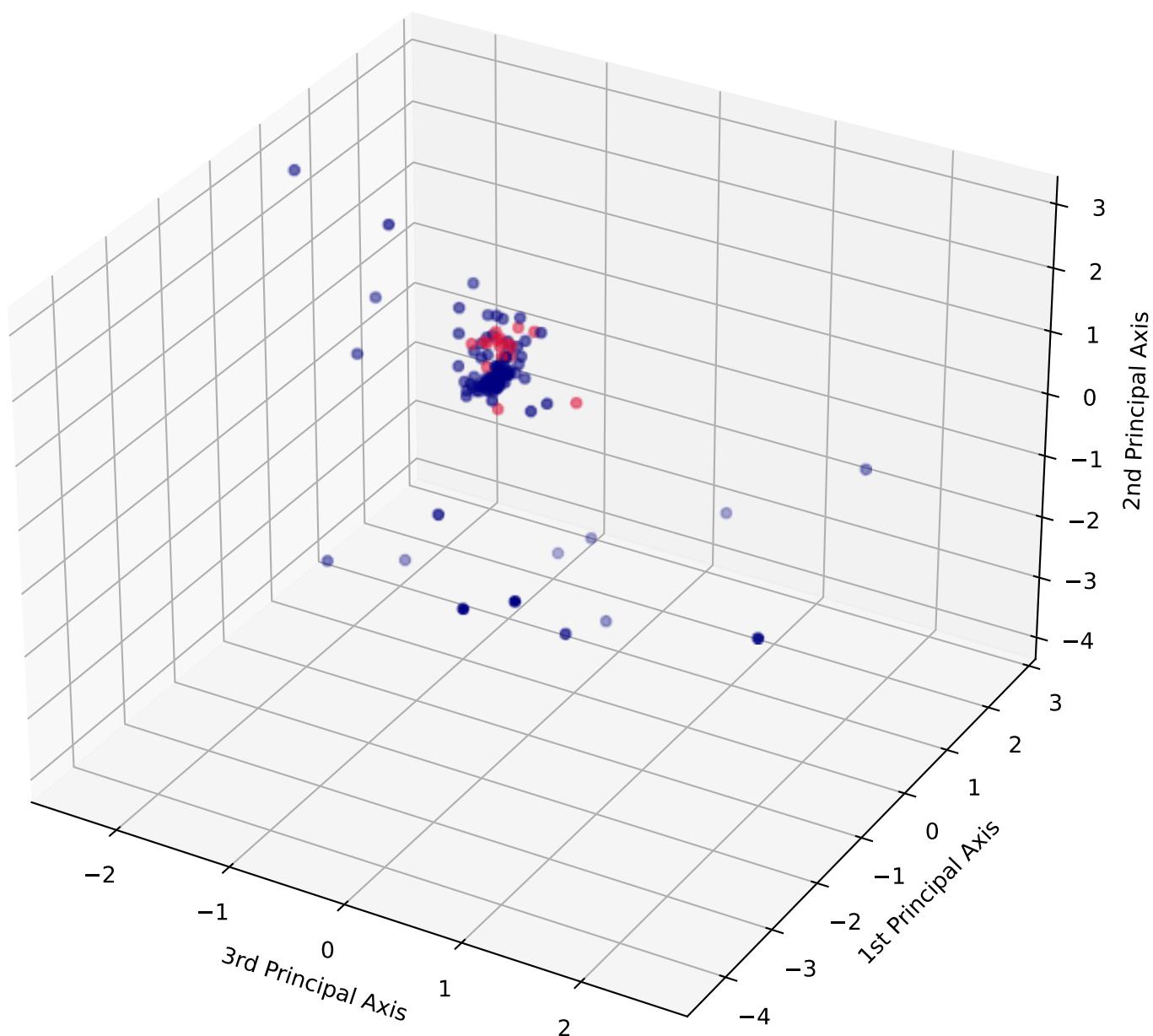
Angle 1



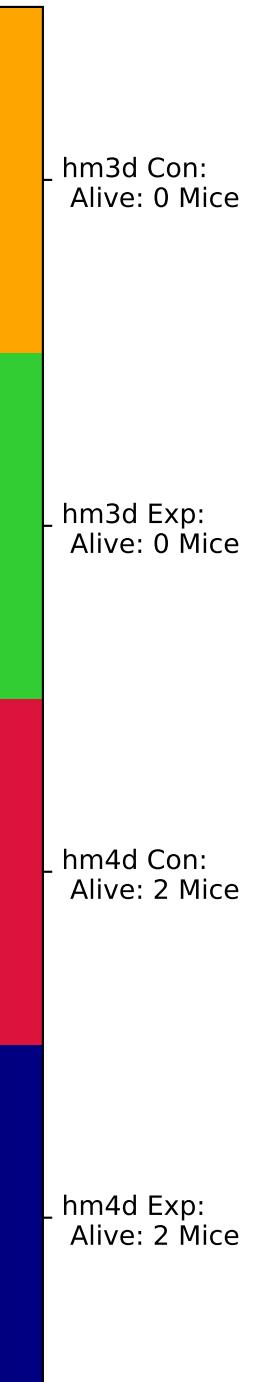
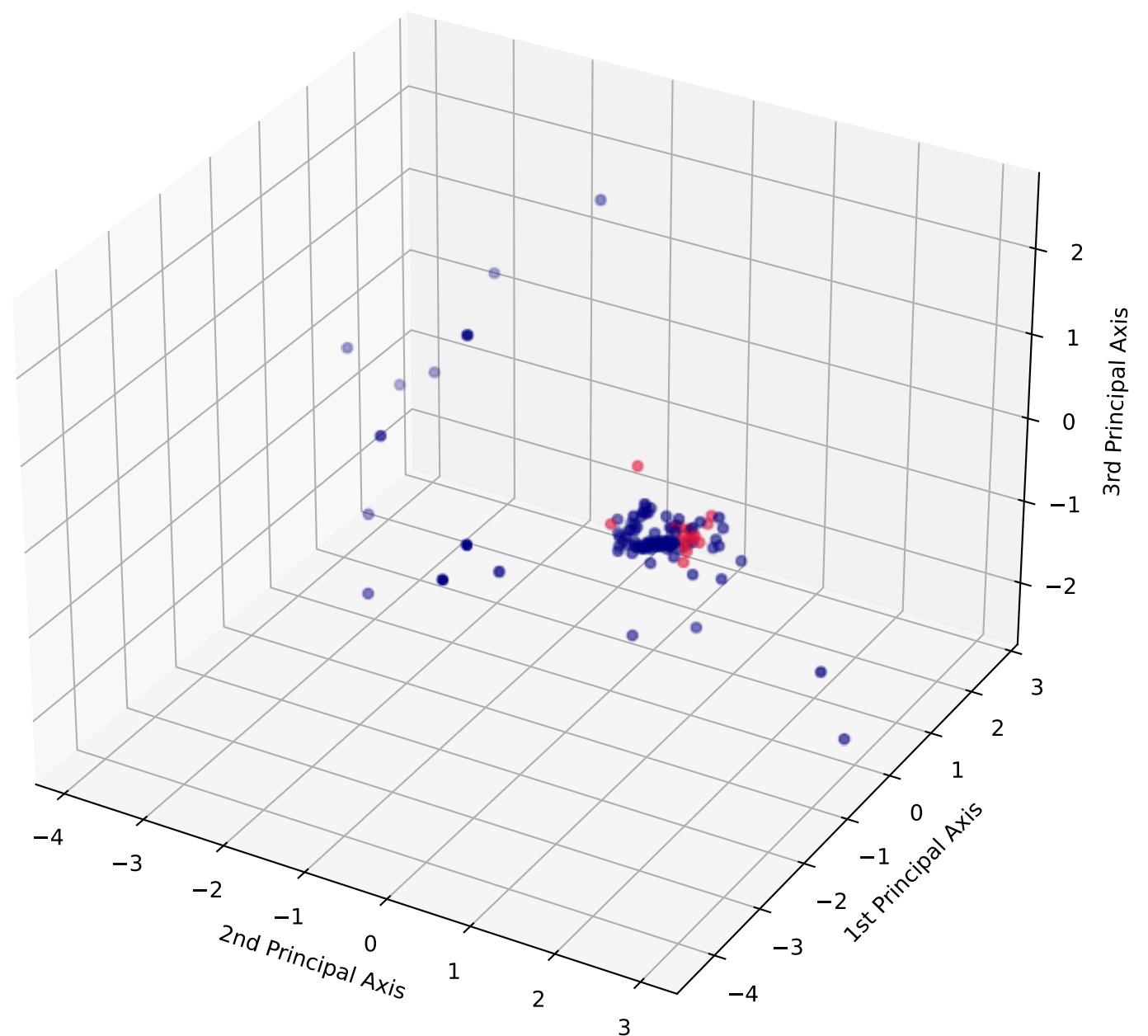
Angle 2



Angle 3

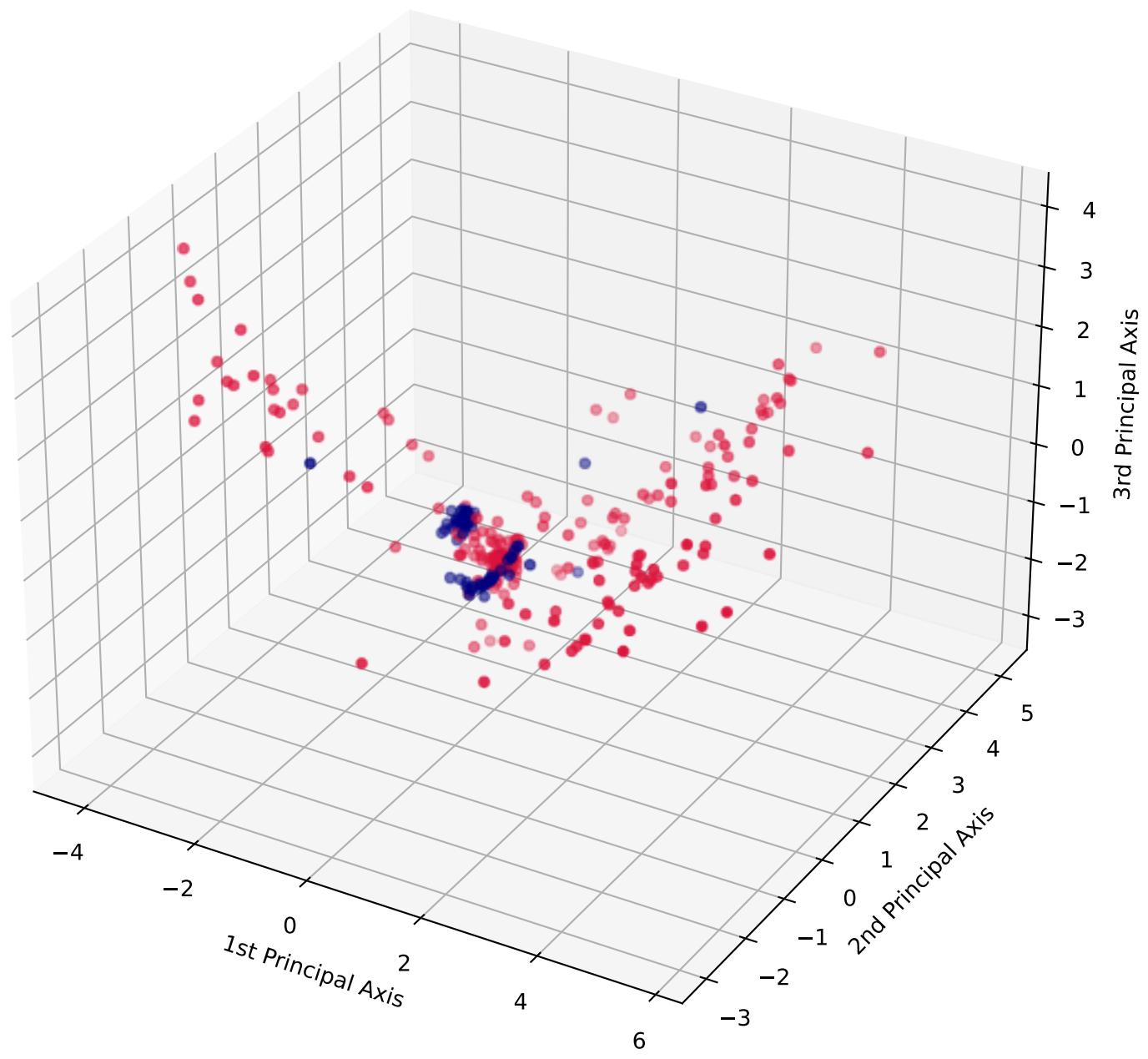


Angle 4

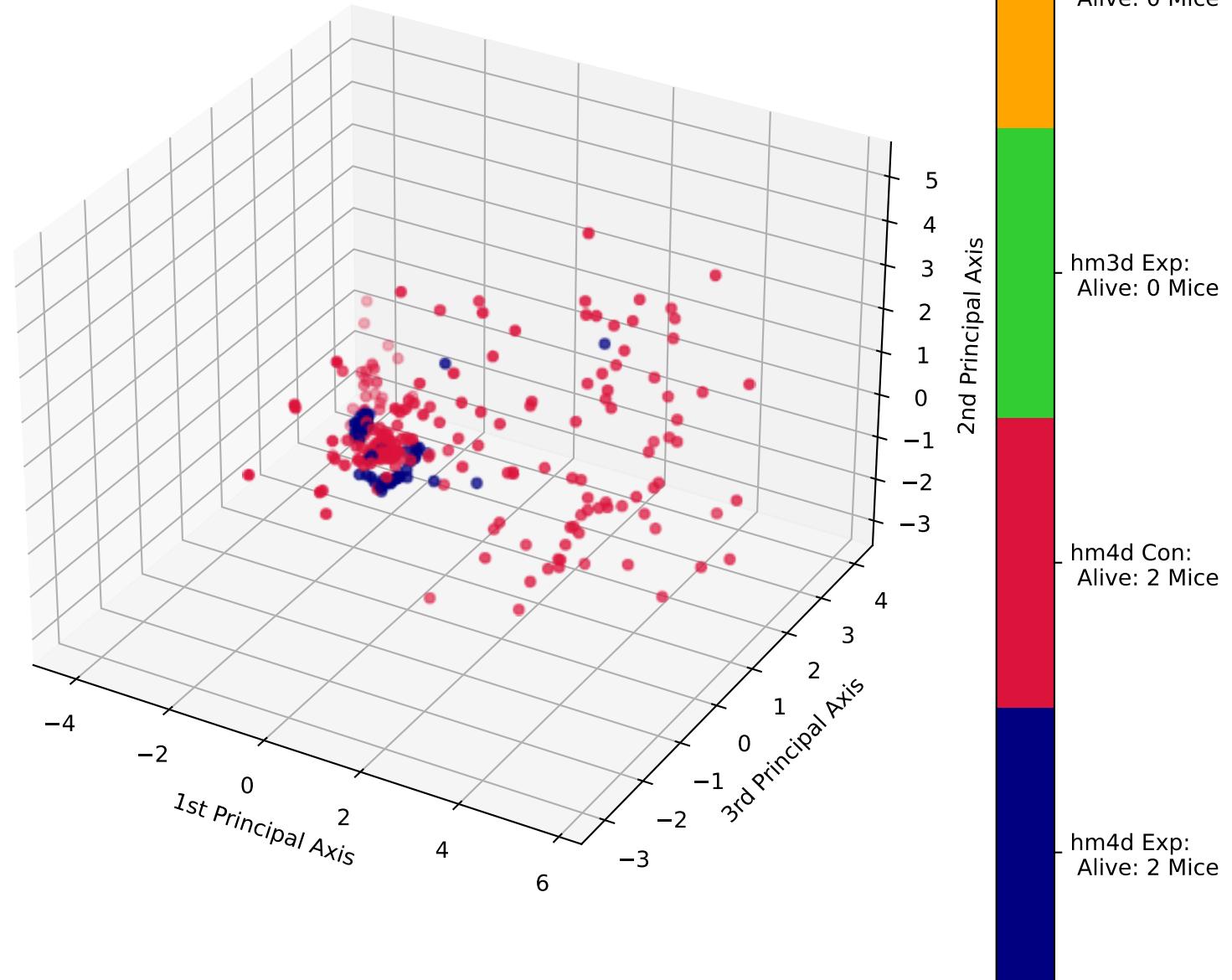


Trial Number: 11, Phase: First Gasp

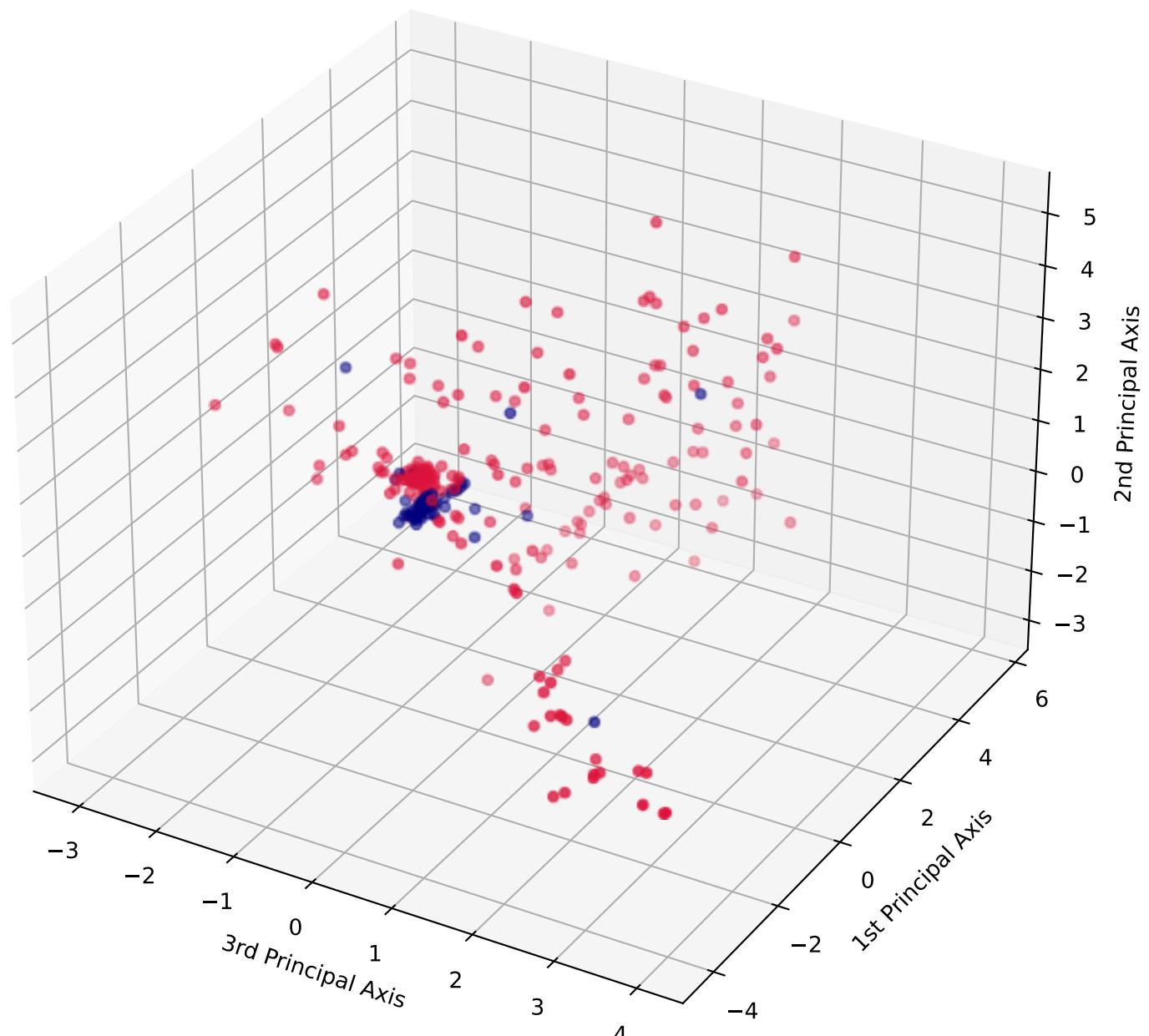
Angle 1



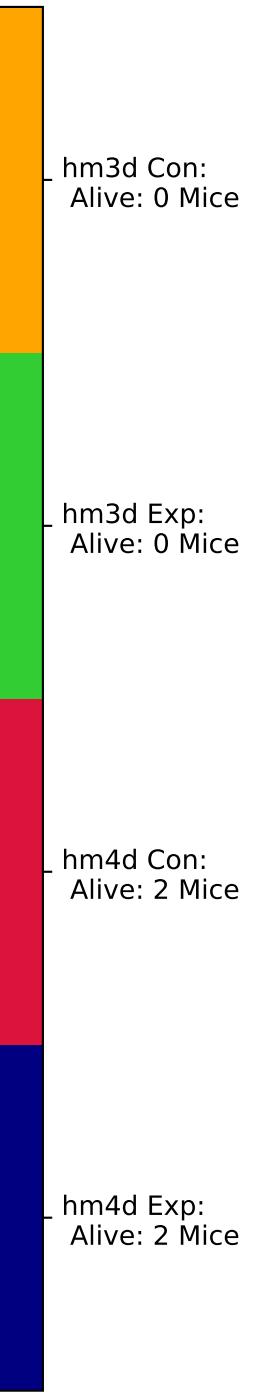
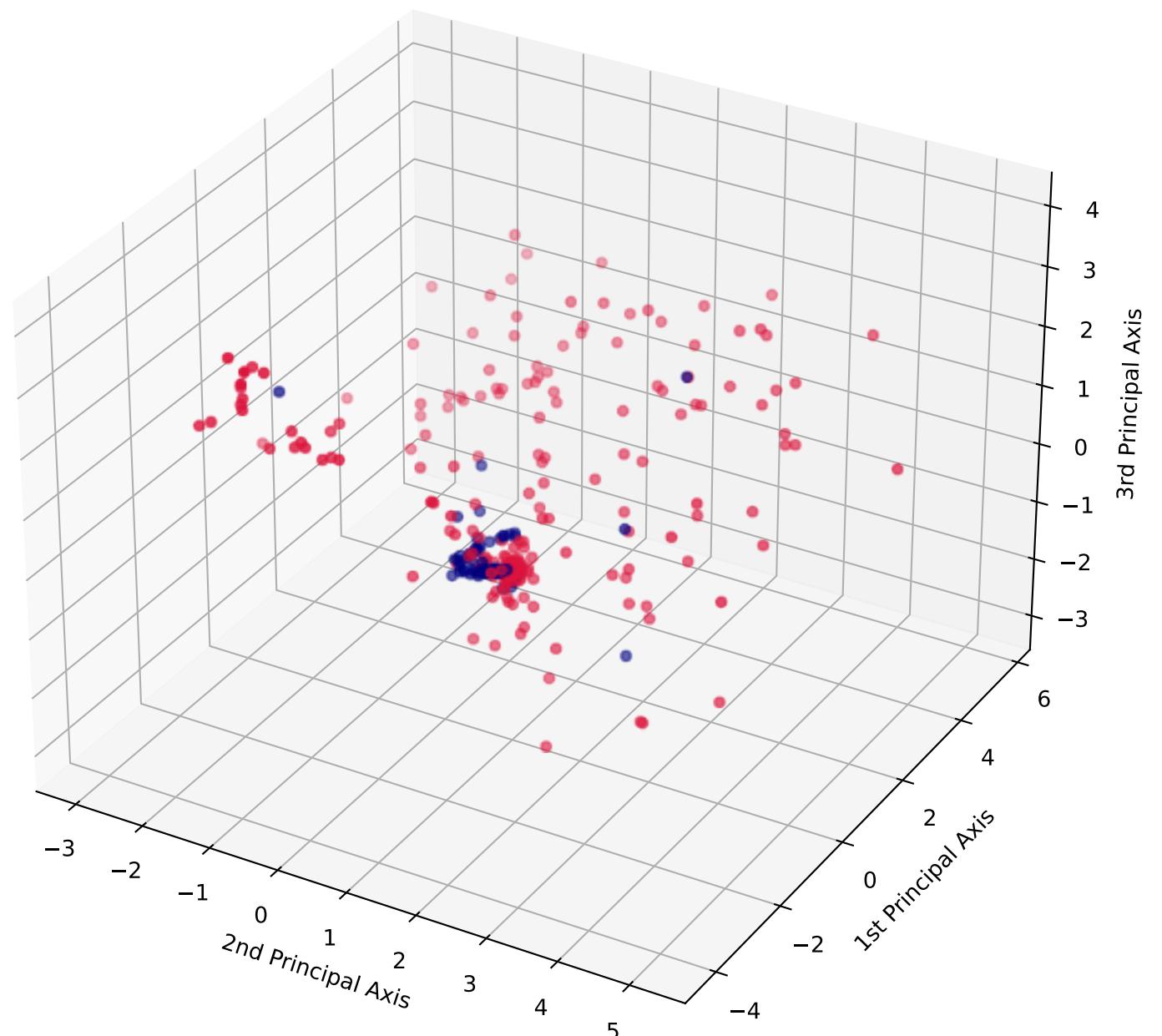
Angle 2



Angle 3

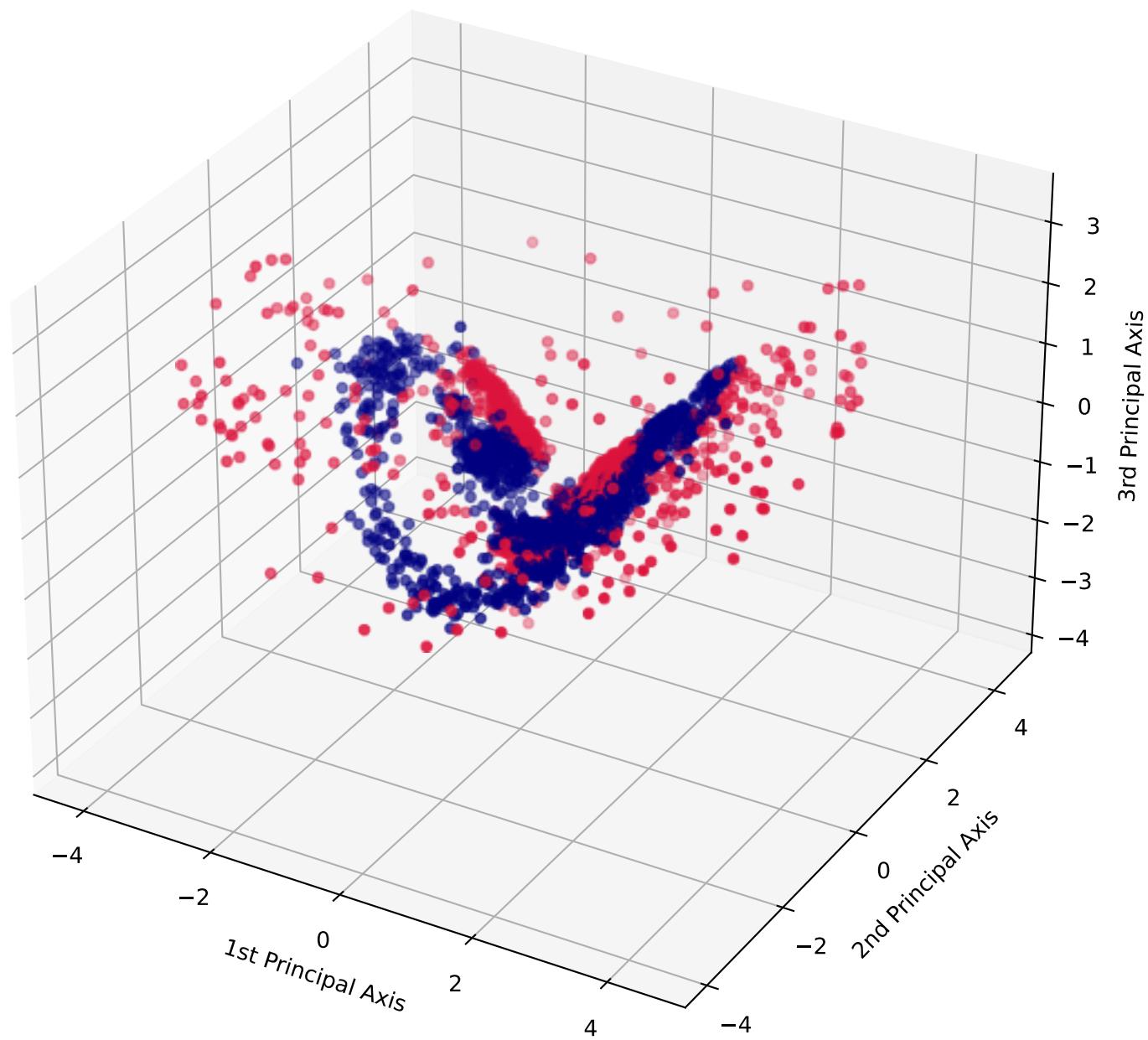


Angle 4

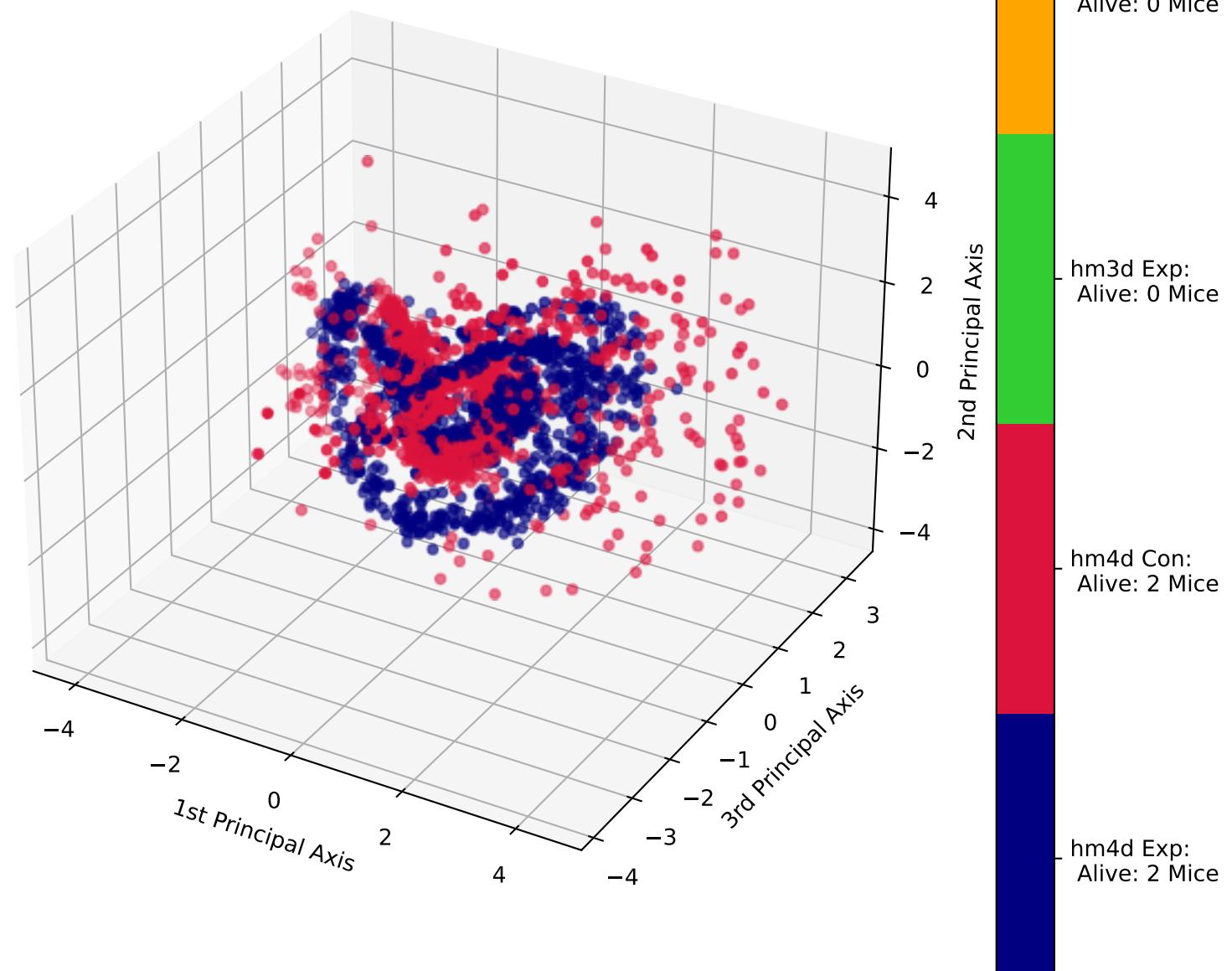


Trial Number: 11, Phase: Eupnea Recovery

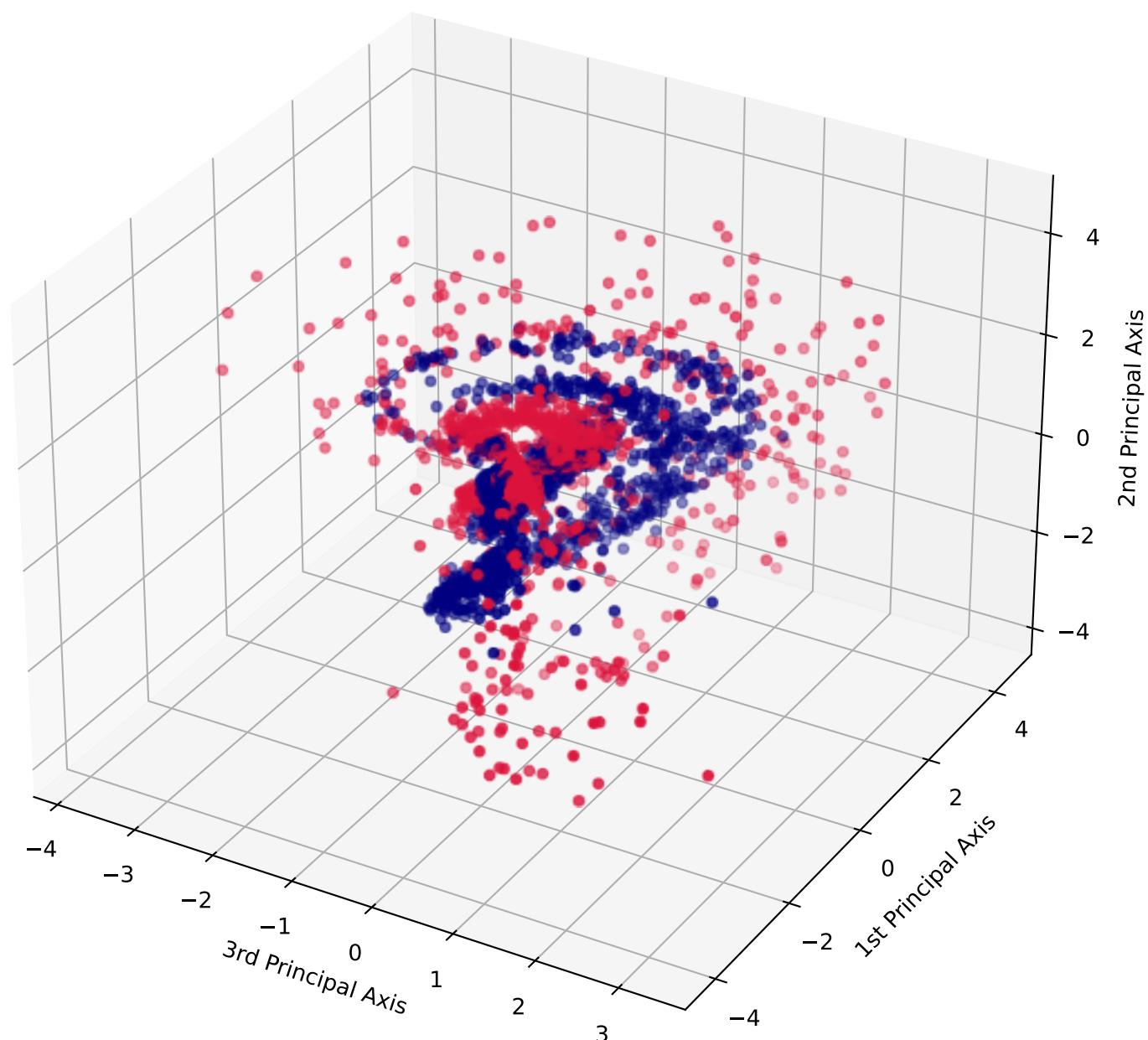
Angle 1



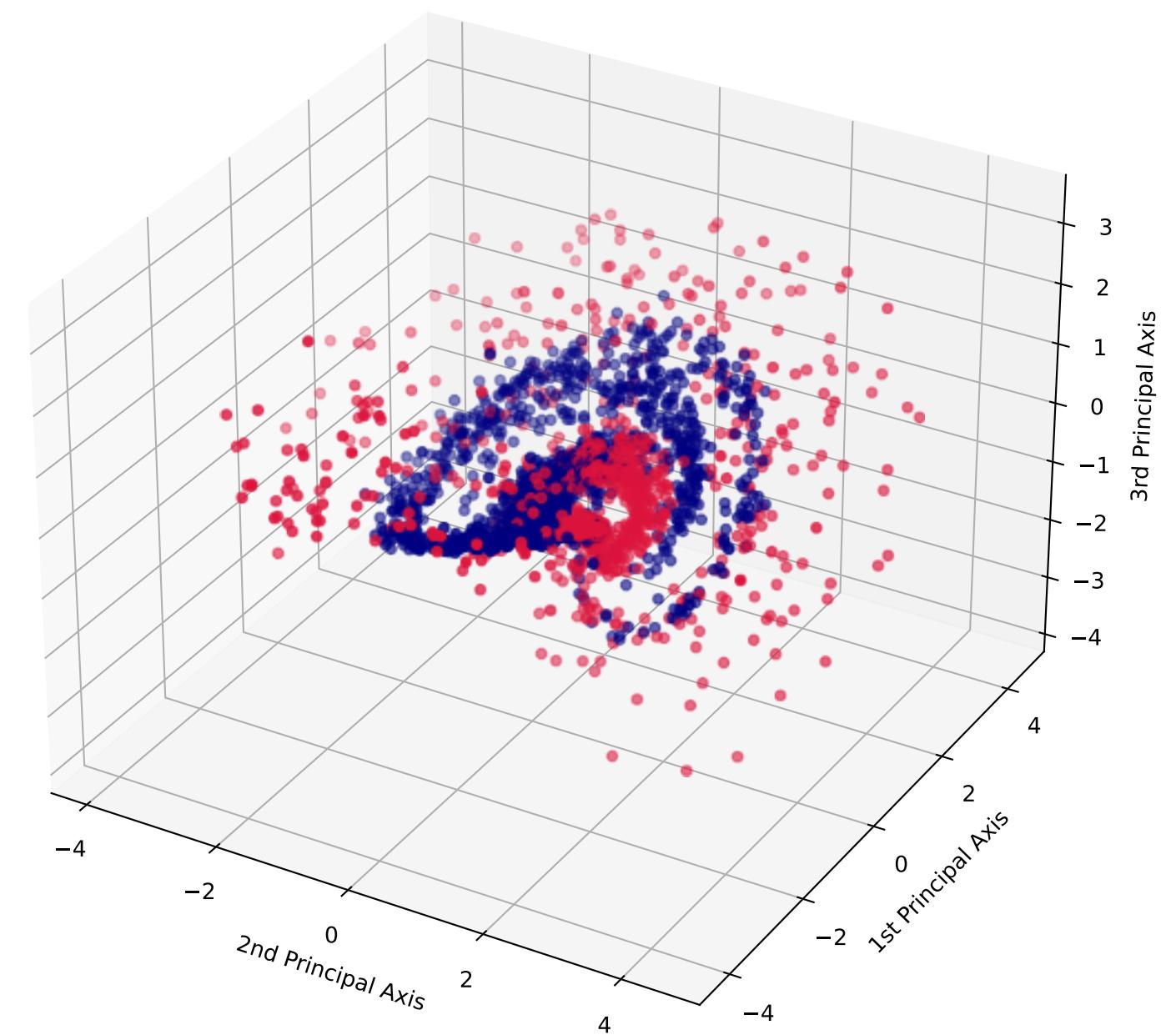
Angle 2



Angle 3

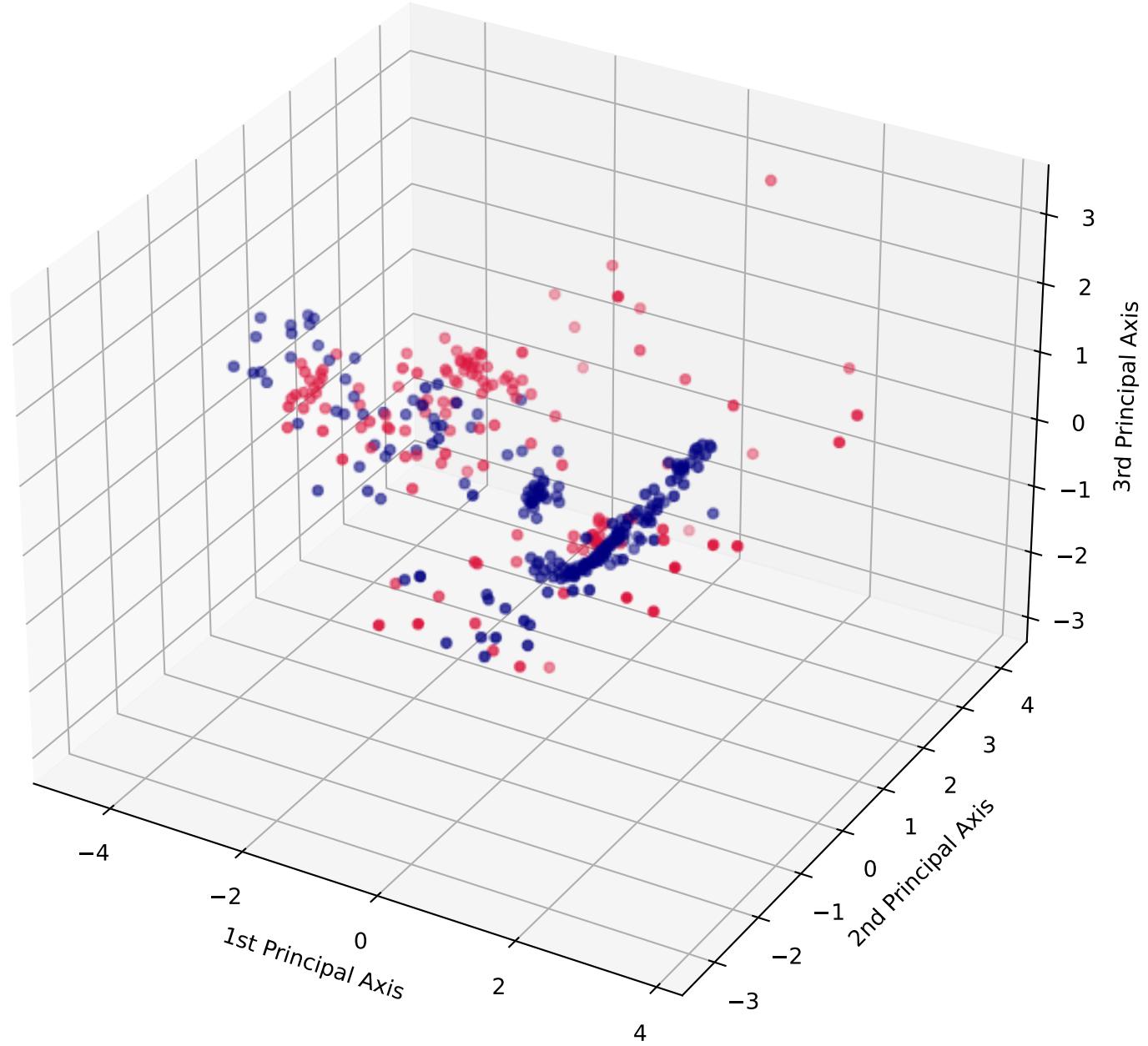


Angle 4

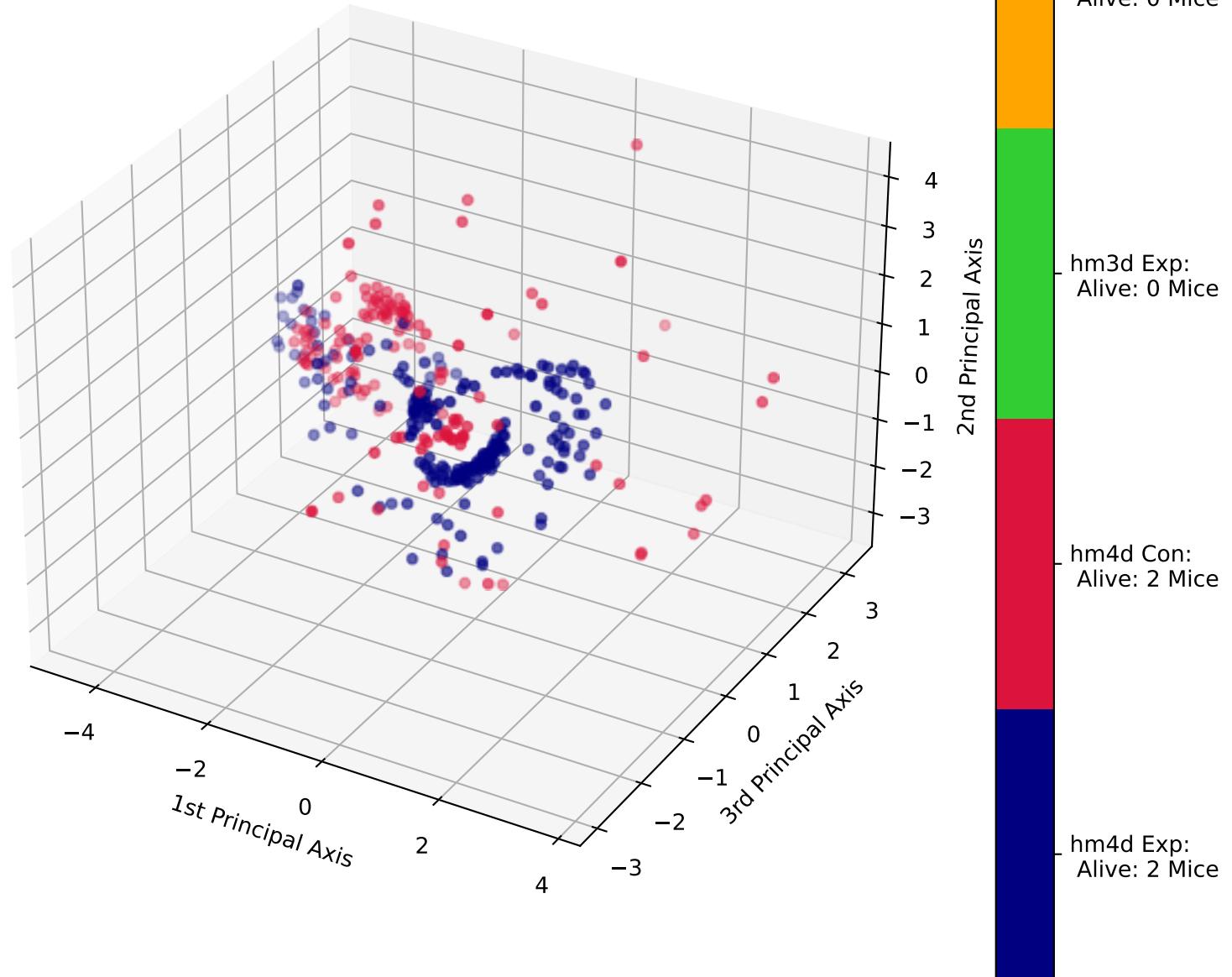


Trial Number: 12, Phase: Trial Onset

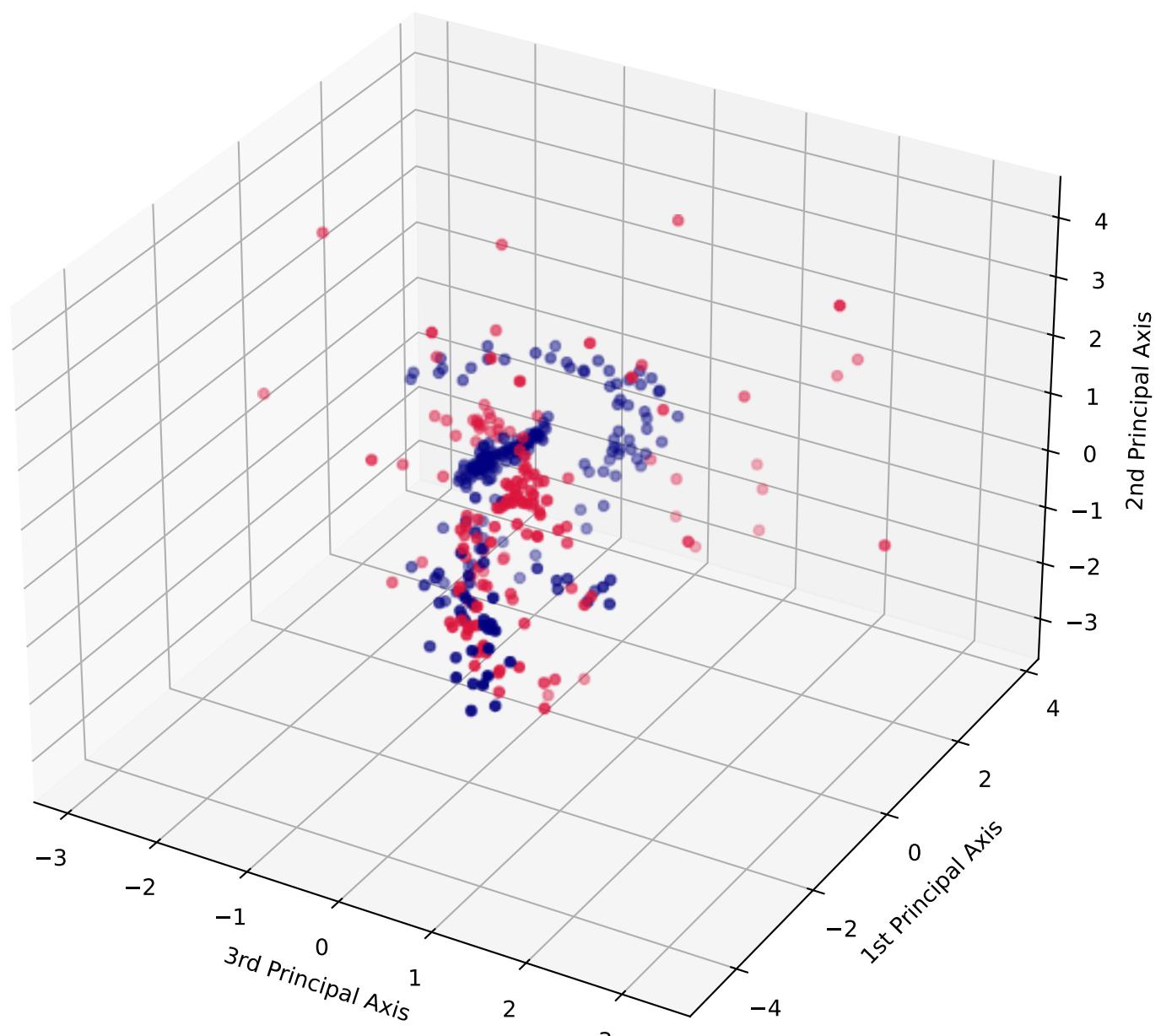
Angle 1



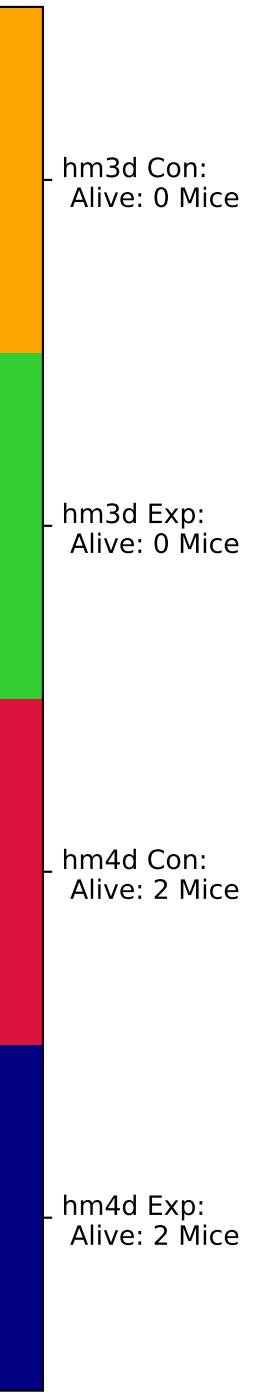
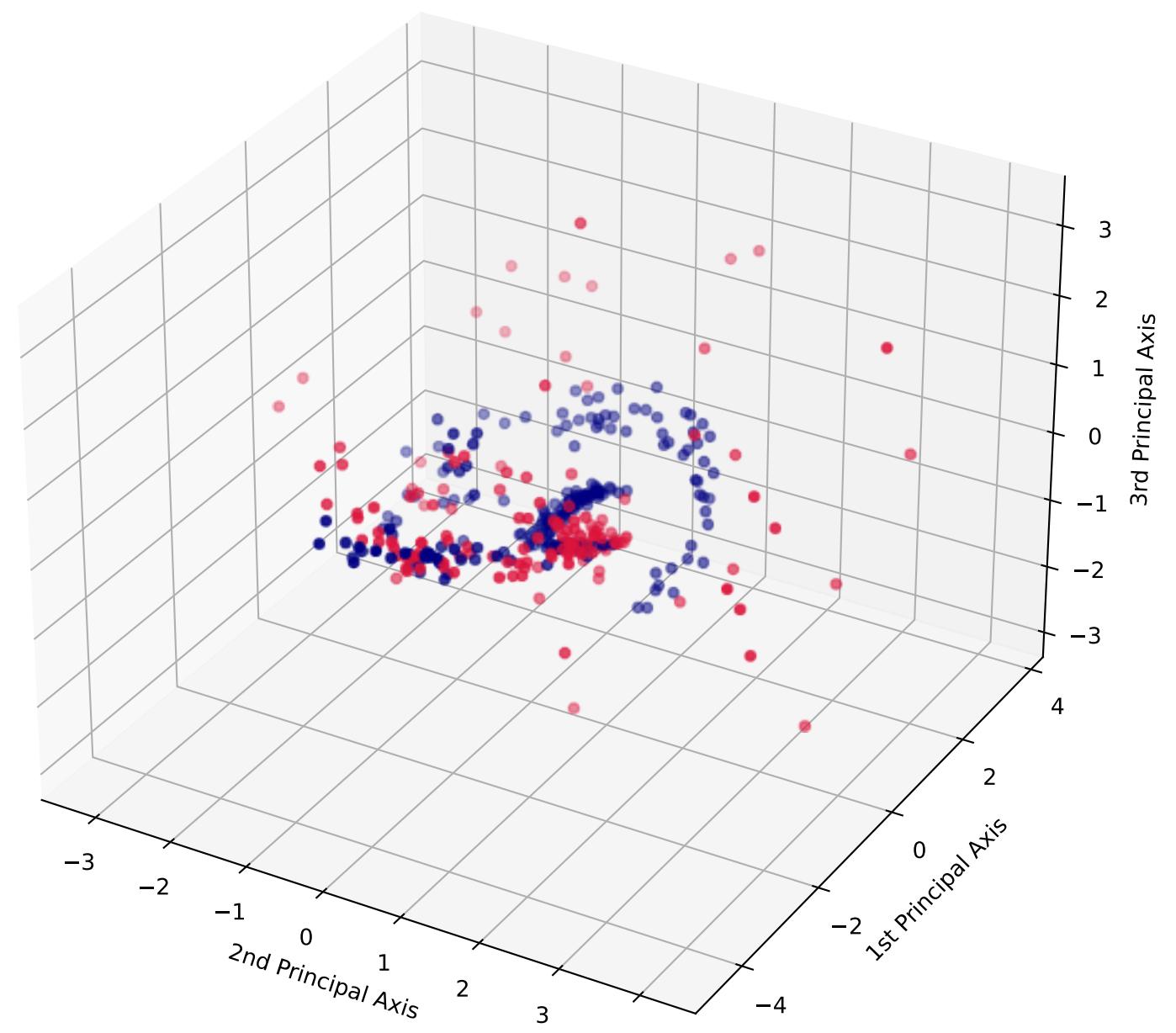
Angle 2



Angle 3

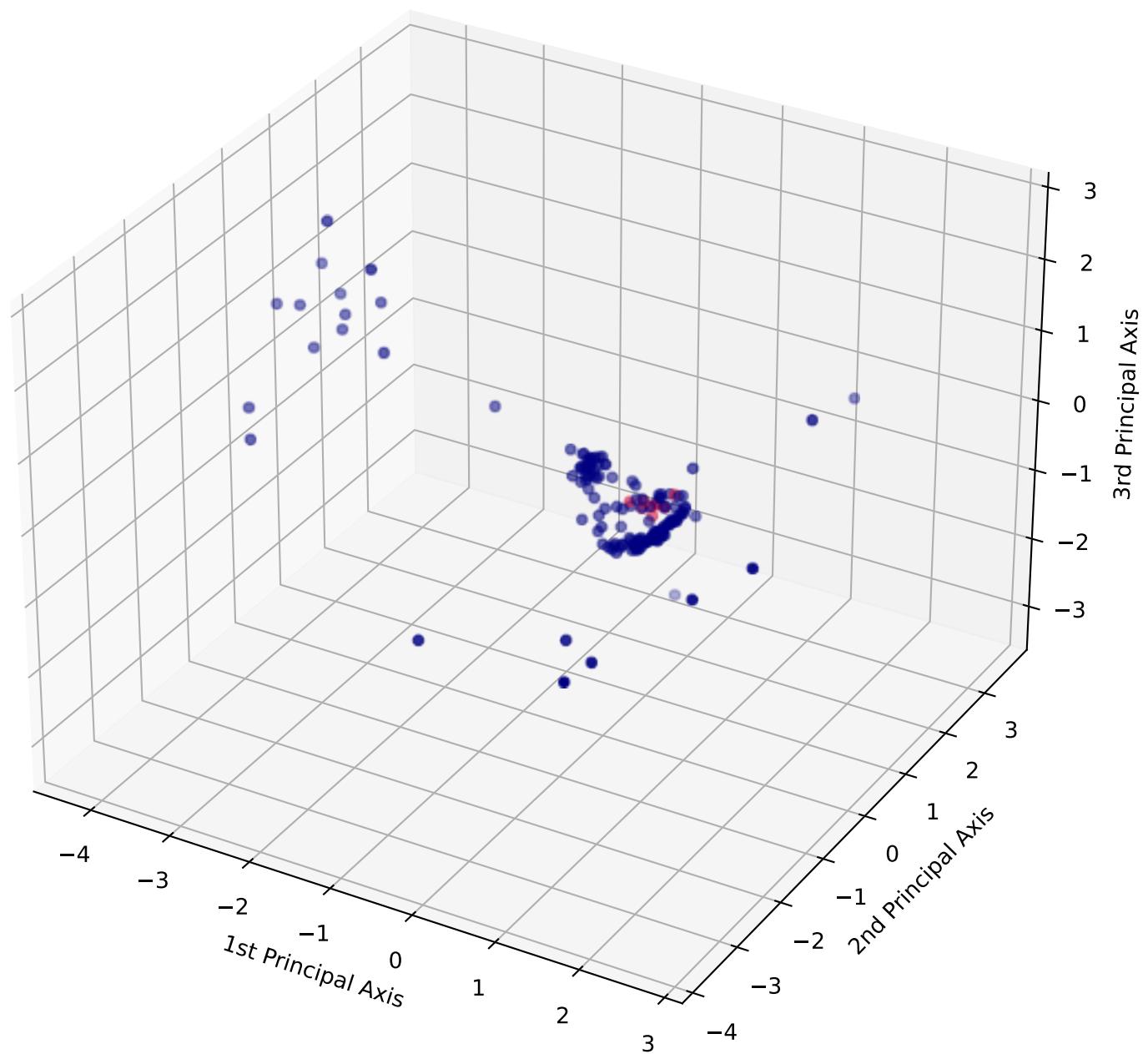


Angle 4

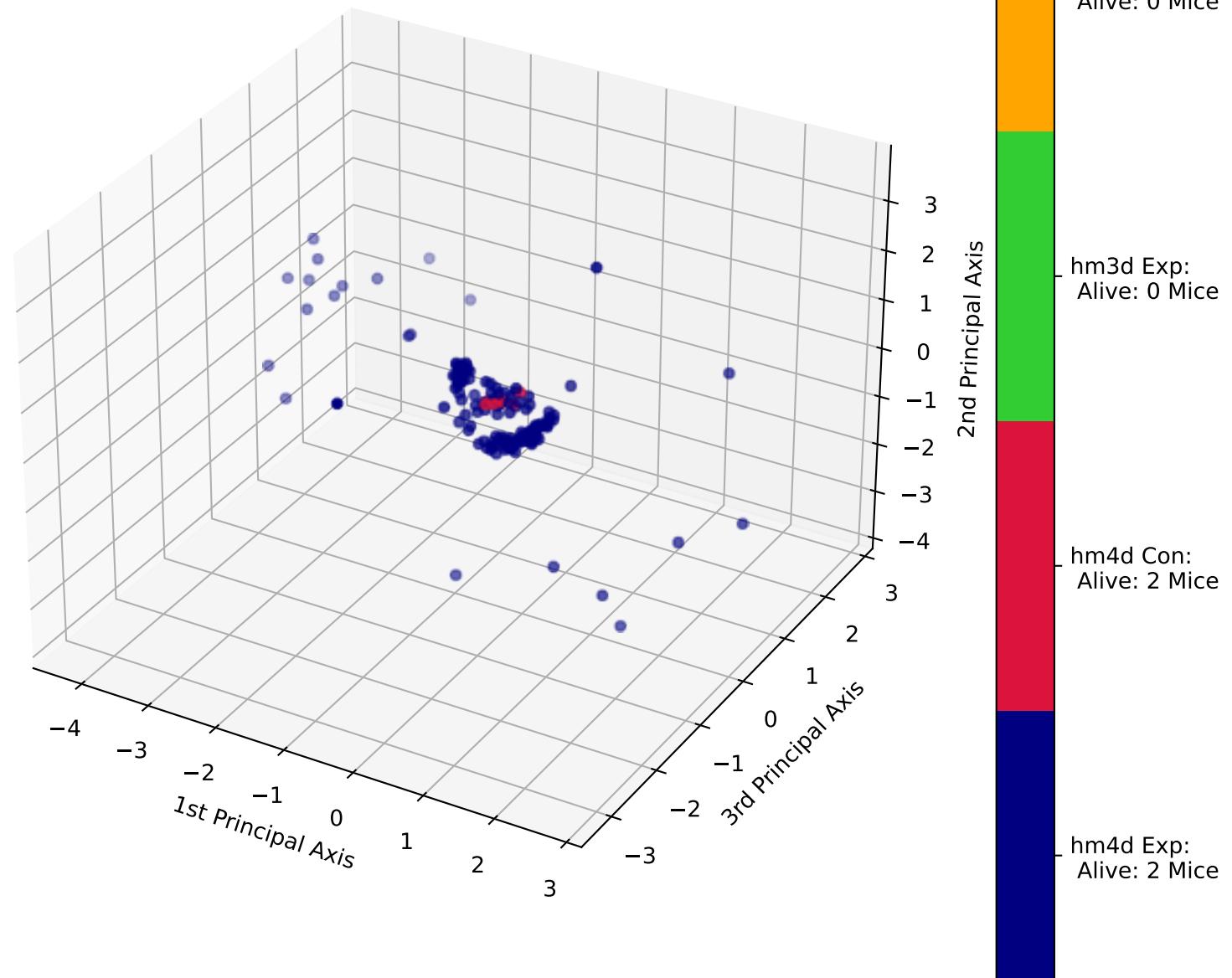


Trial Number: 12, Phase: Apnea Starts

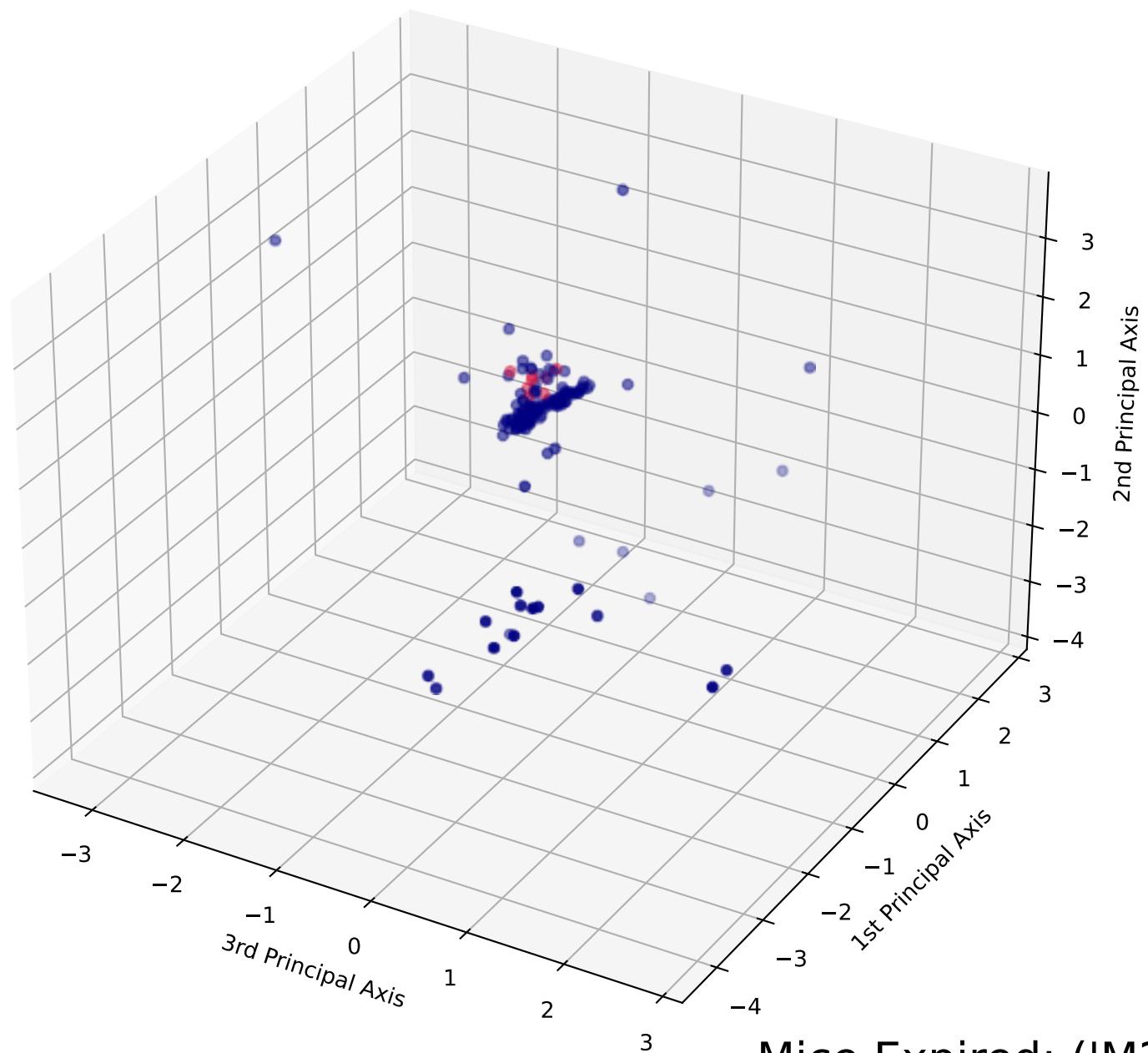
Angle 1



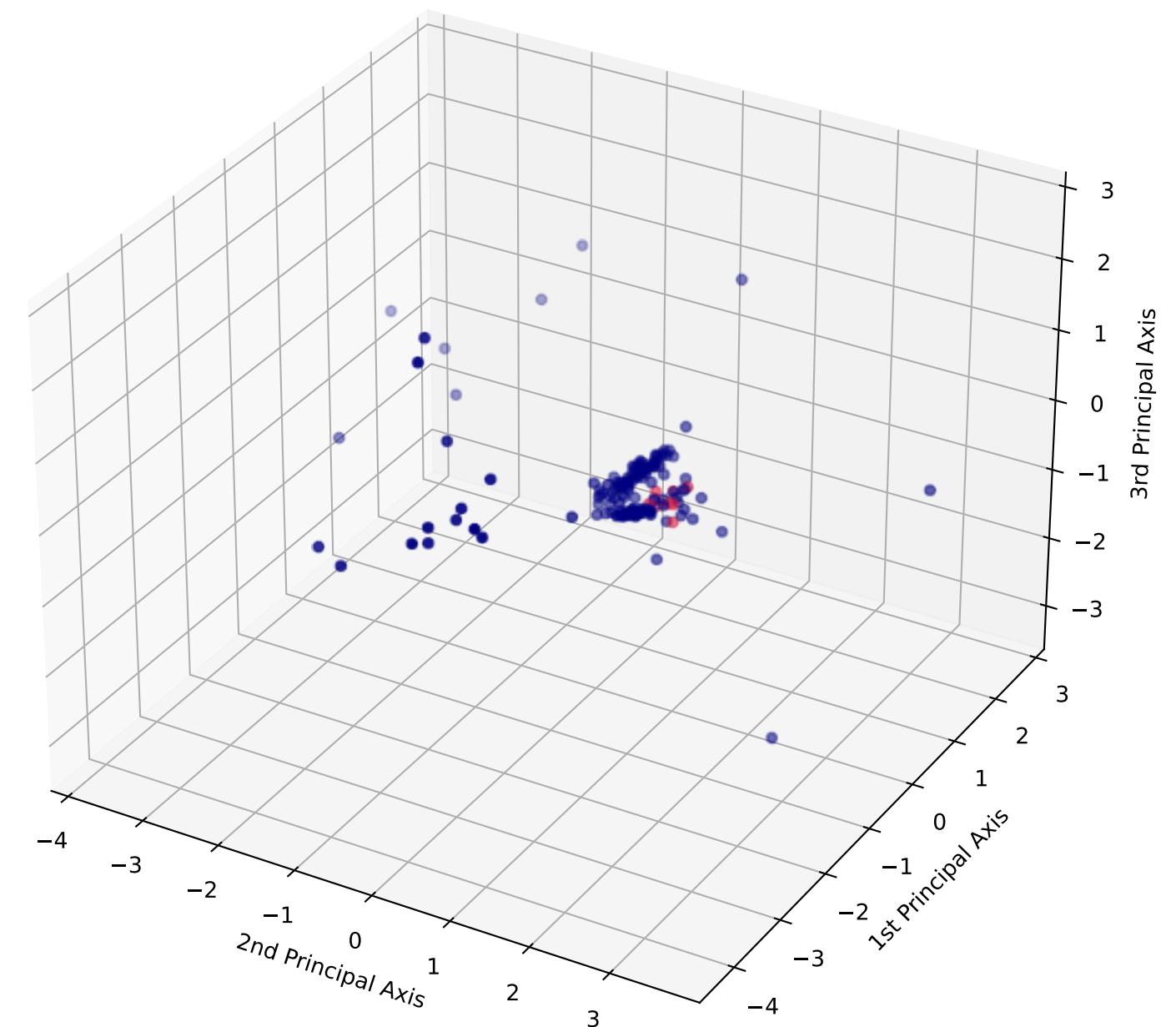
Angle 2



Angle 3



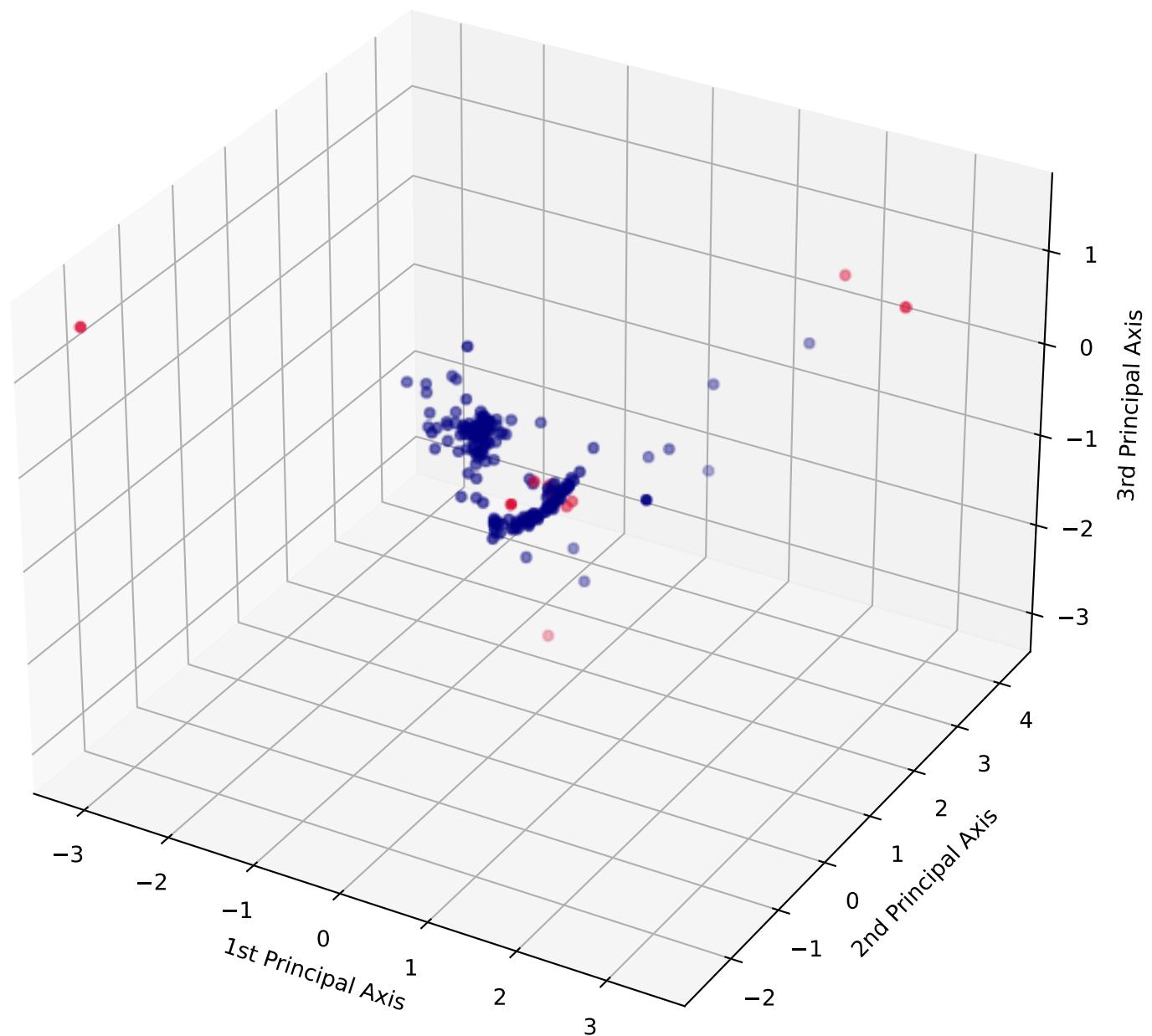
Angle 4



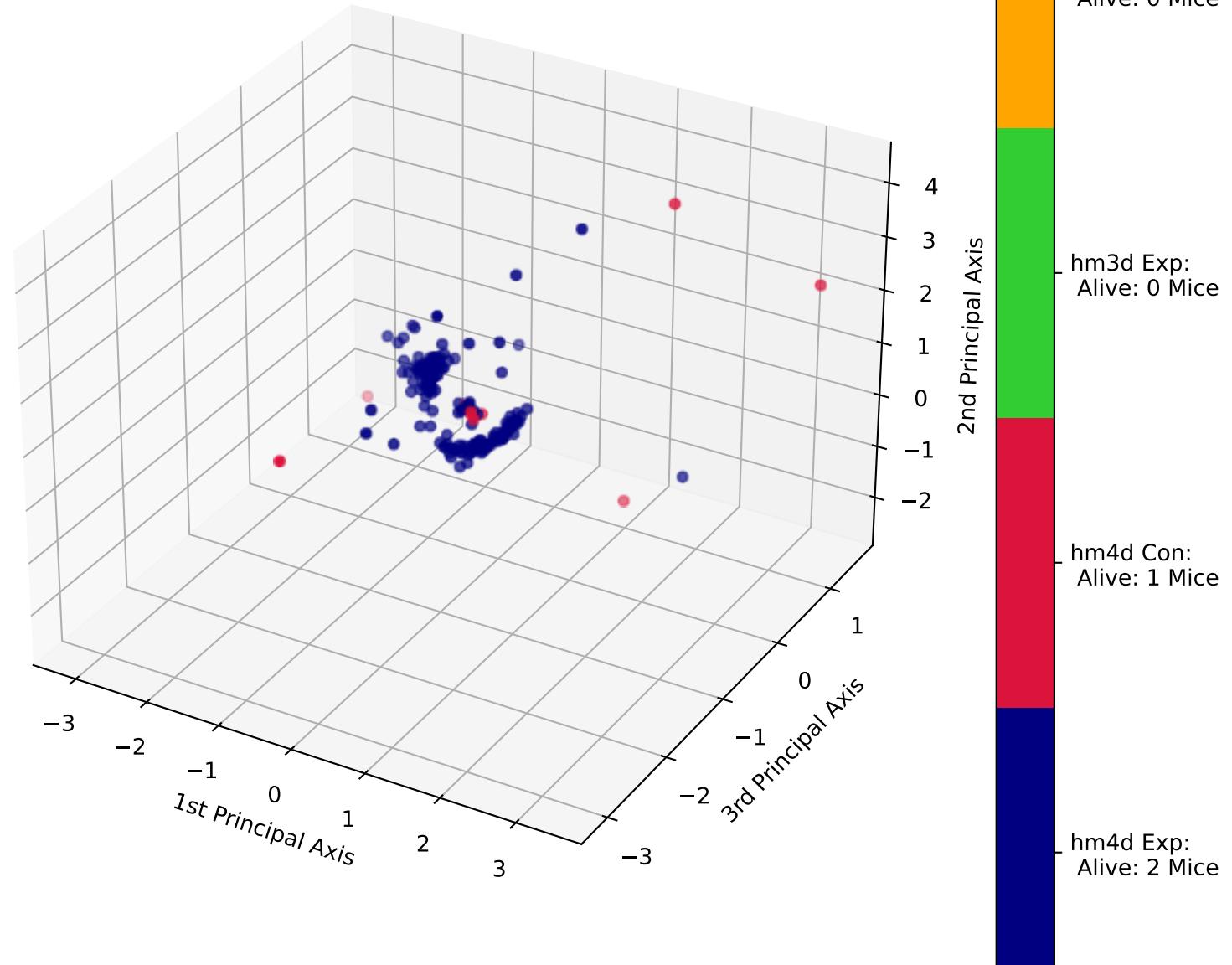
Mice Expired: ('M21630', 'hm4d Con')

Trial Number: 12, Phase: First Gasp

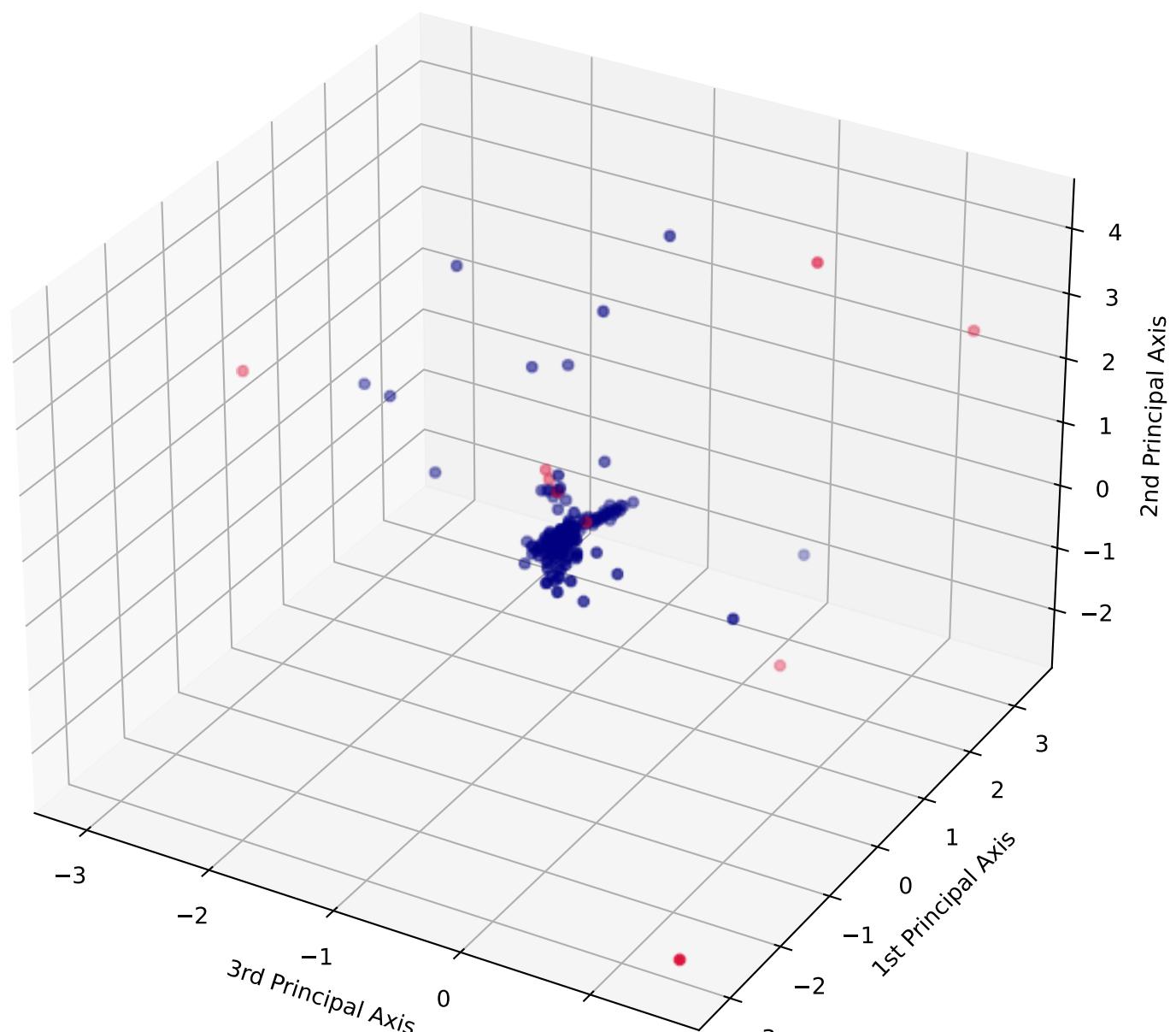
Angle 1



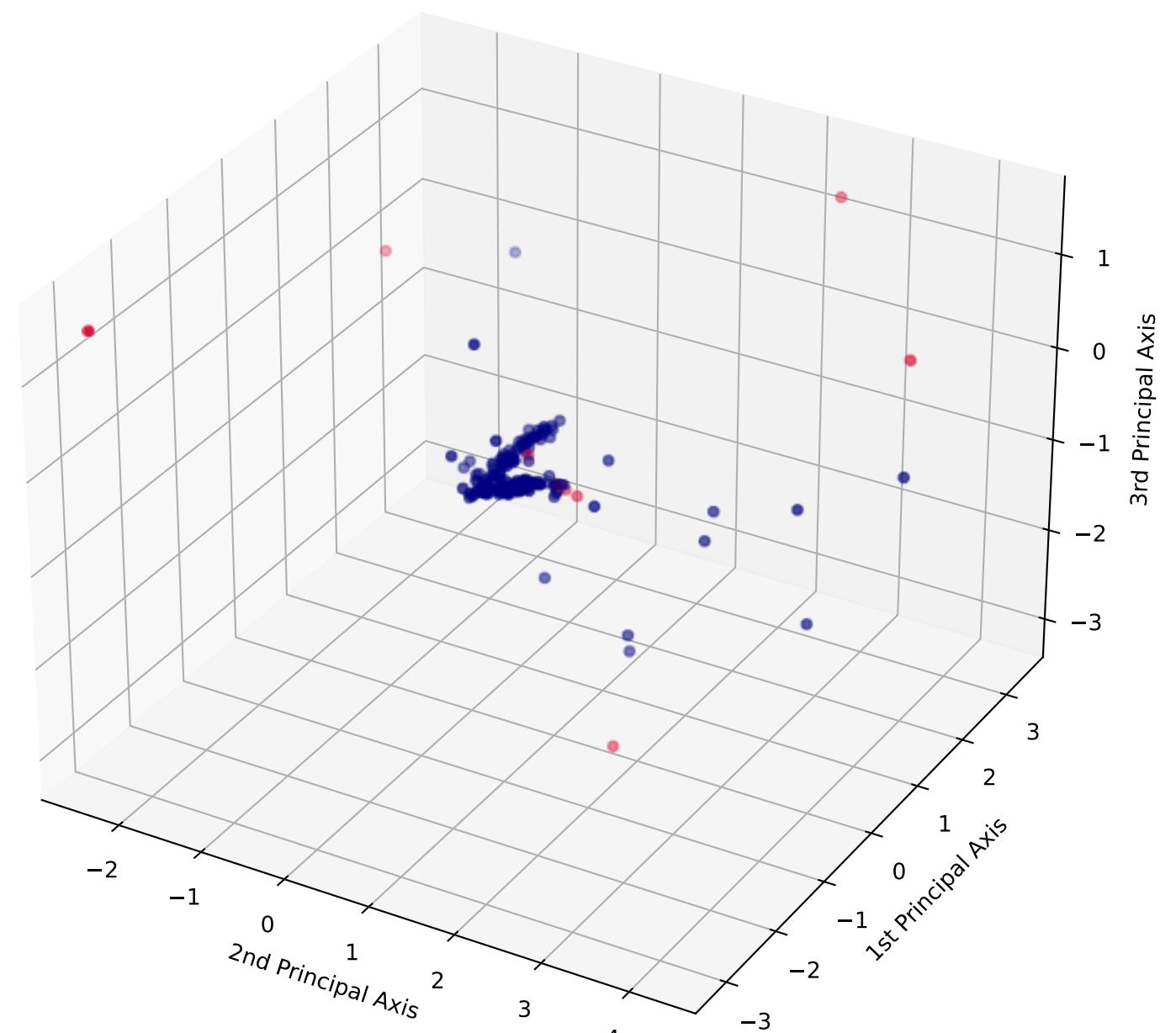
Angle 2



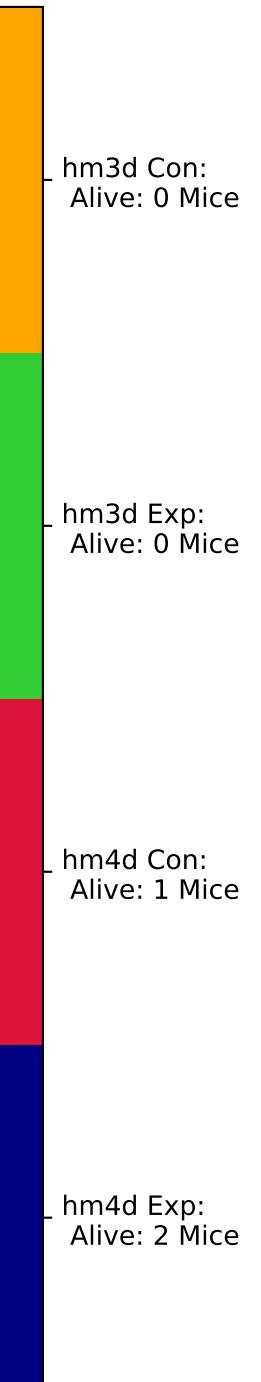
Angle 3



Angle 4

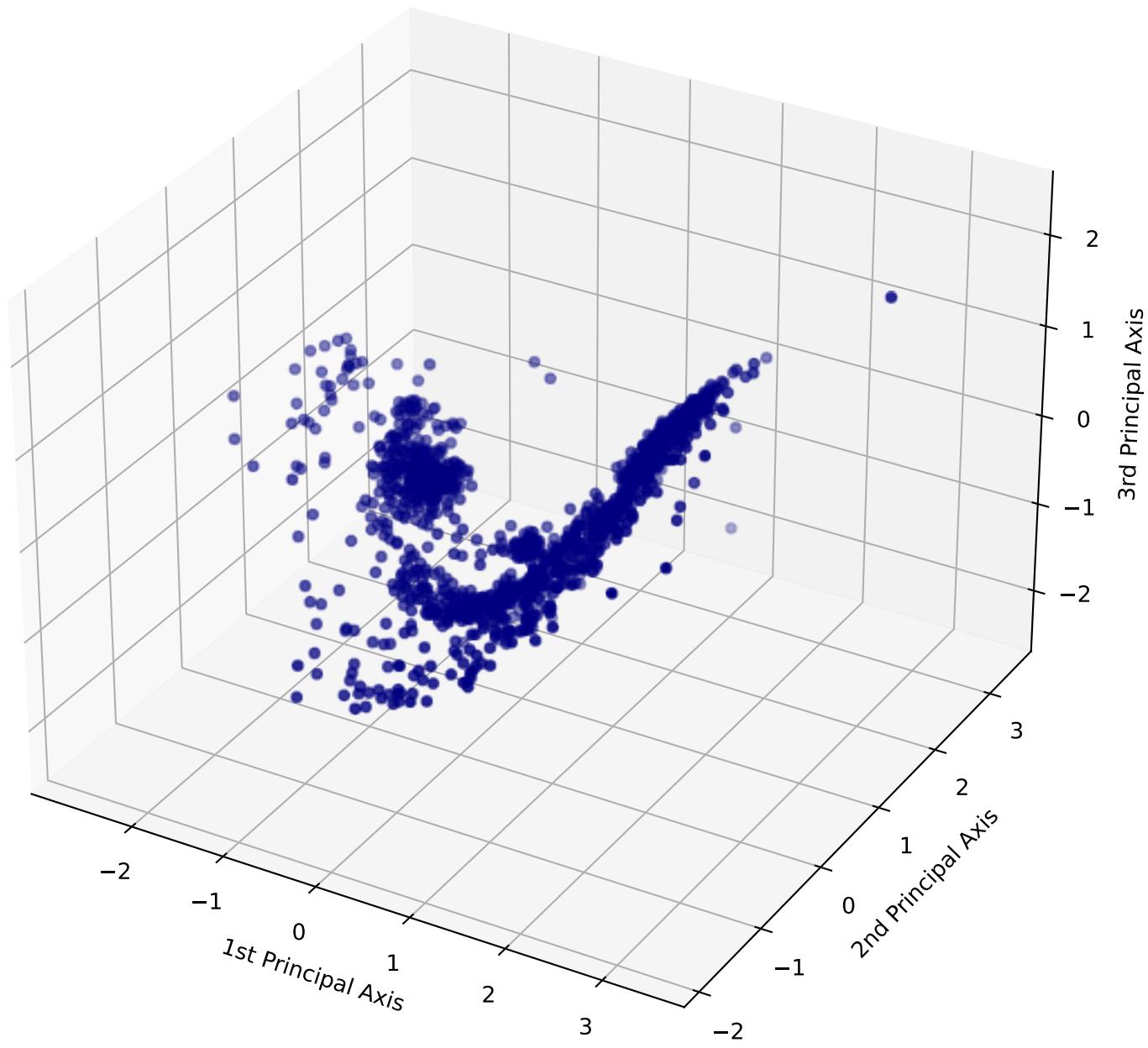


Mice Expired: ('M21627', 'hm4d Con')

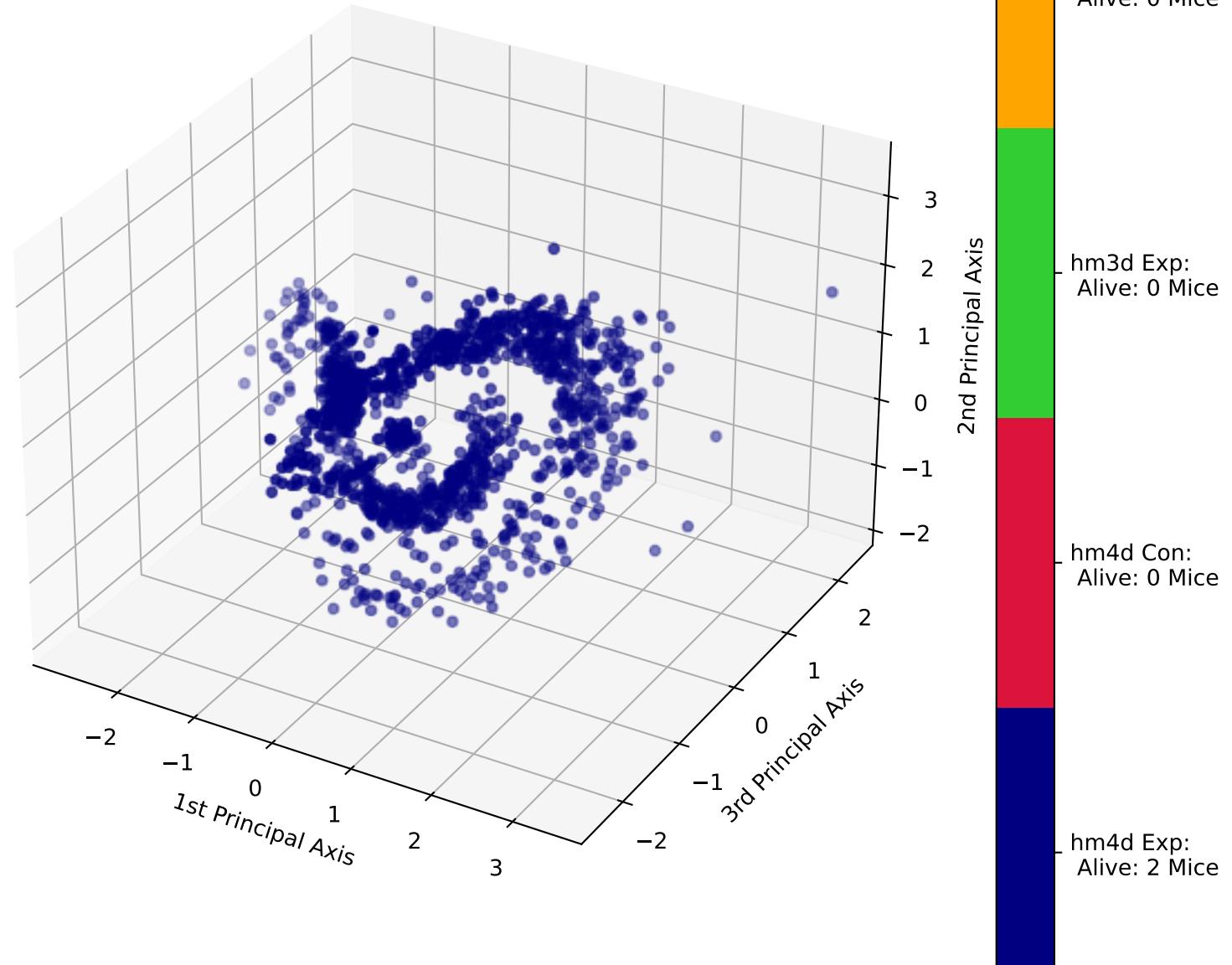


Trial Number: 12, Phase: Eupnea Recovery

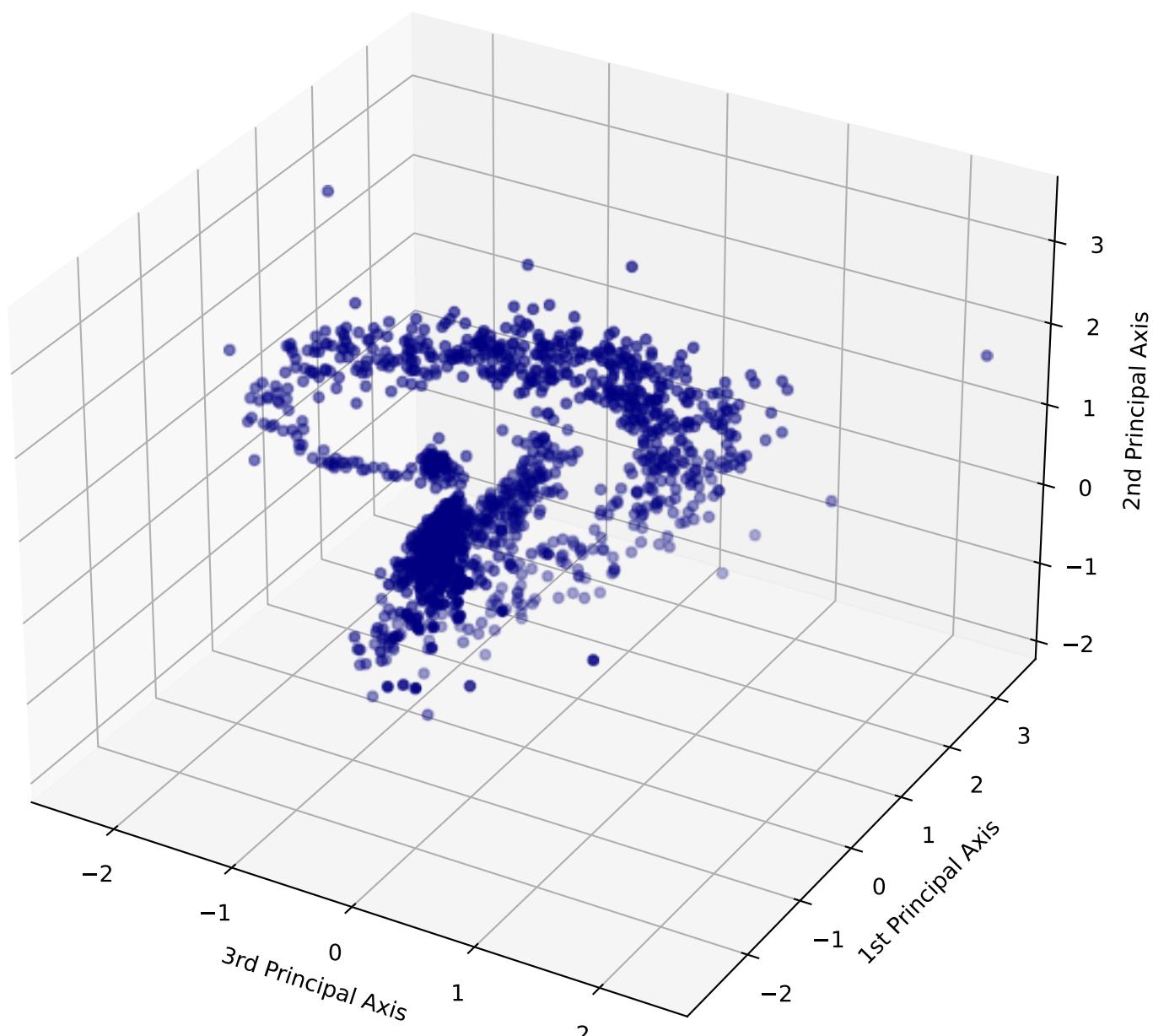
Angle 1



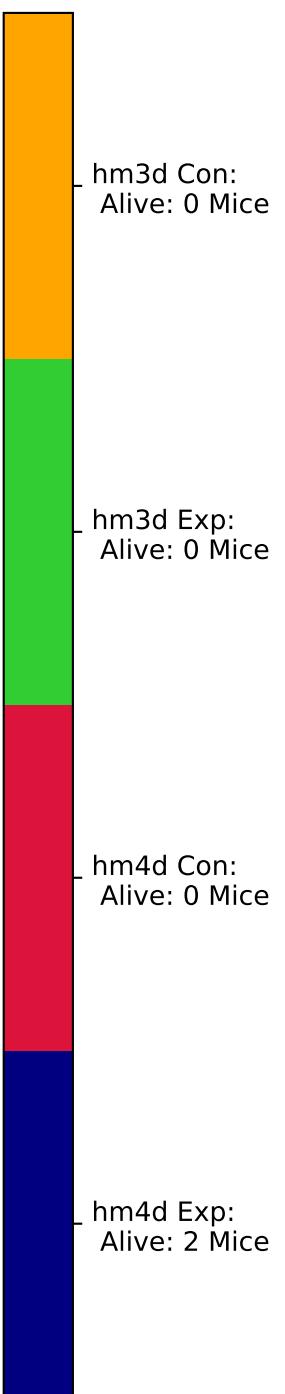
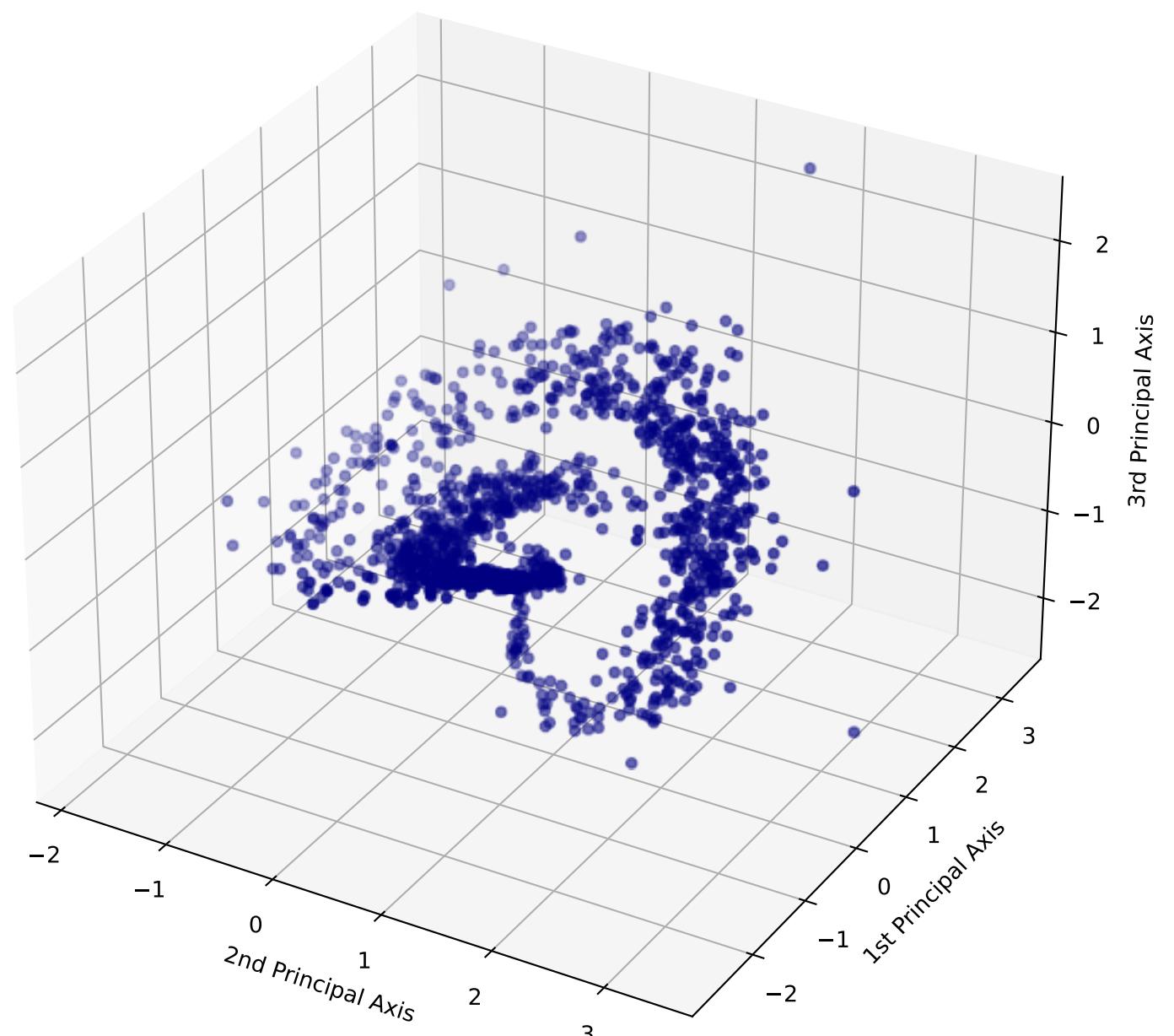
Angle 2



Angle 3

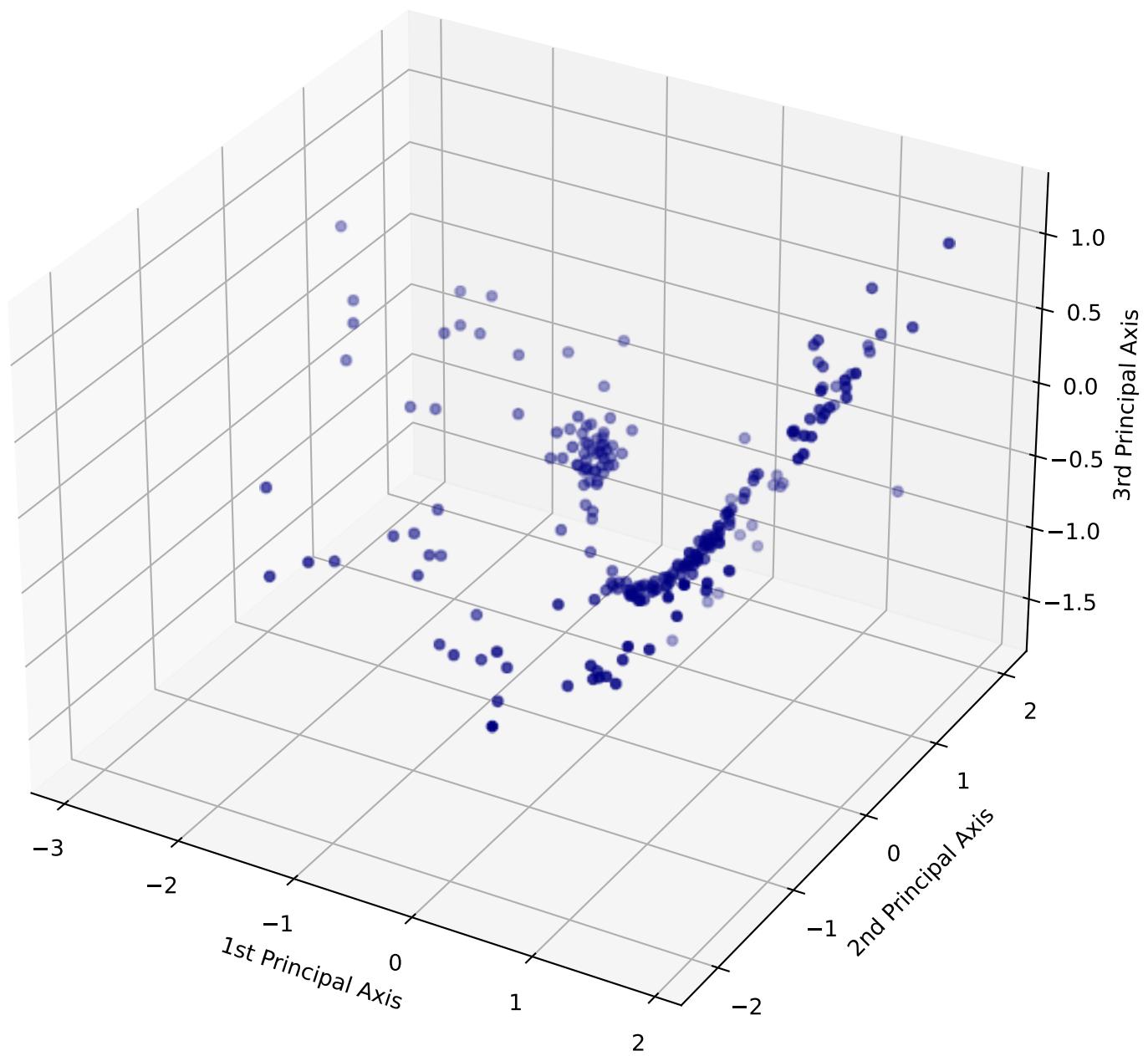


Angle 4

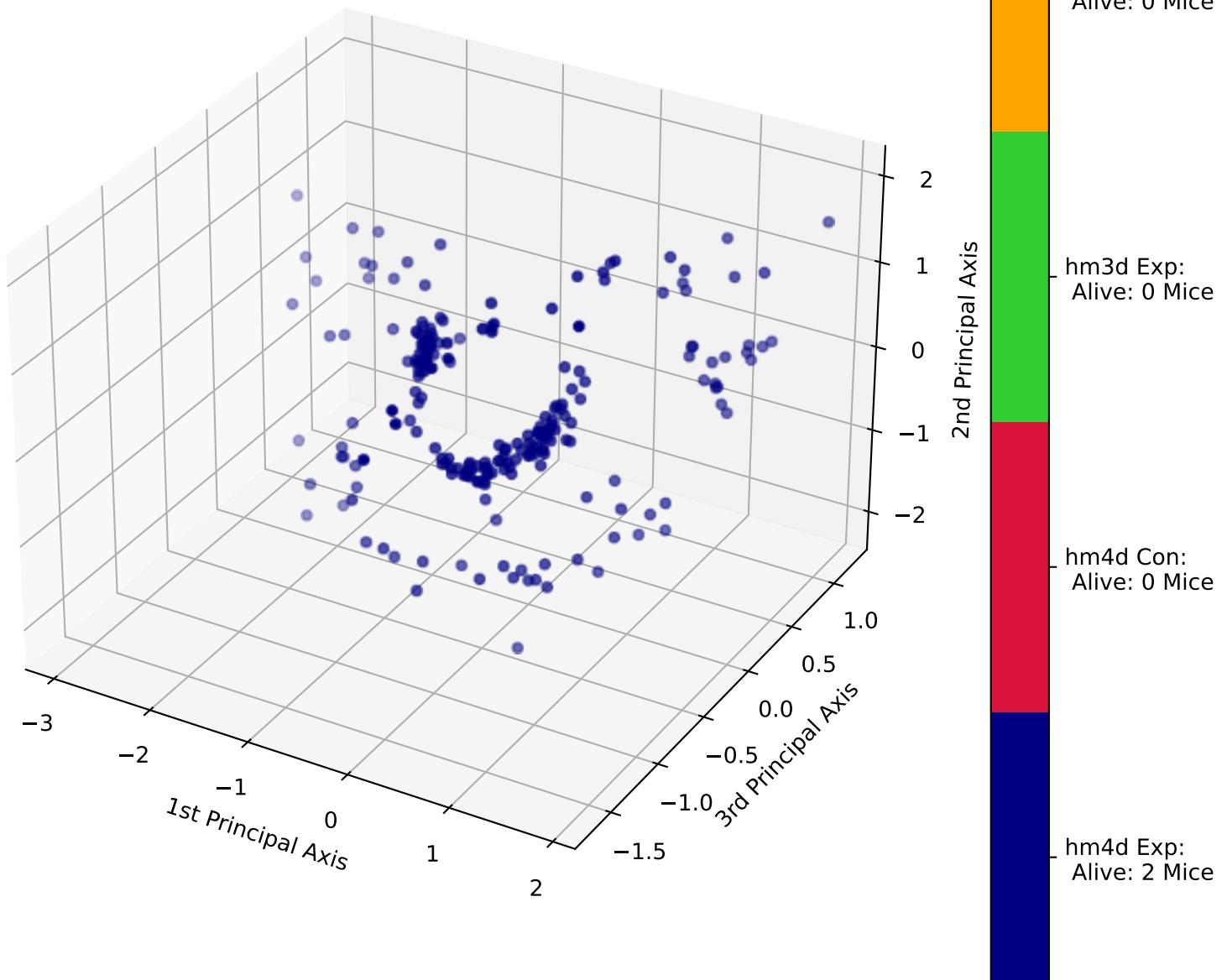


Trial Number: 13, Phase: Trial Onset

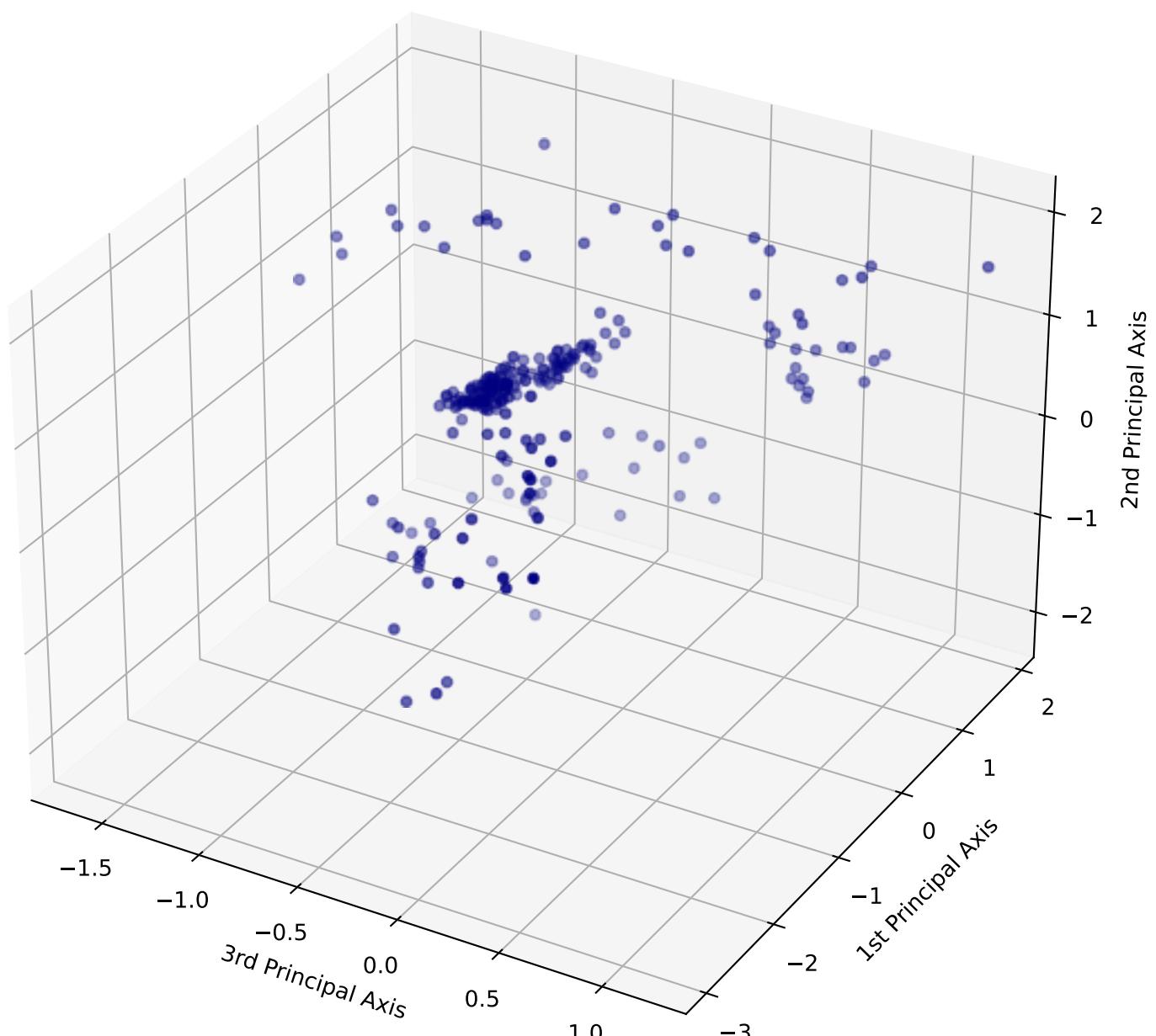
Angle 1



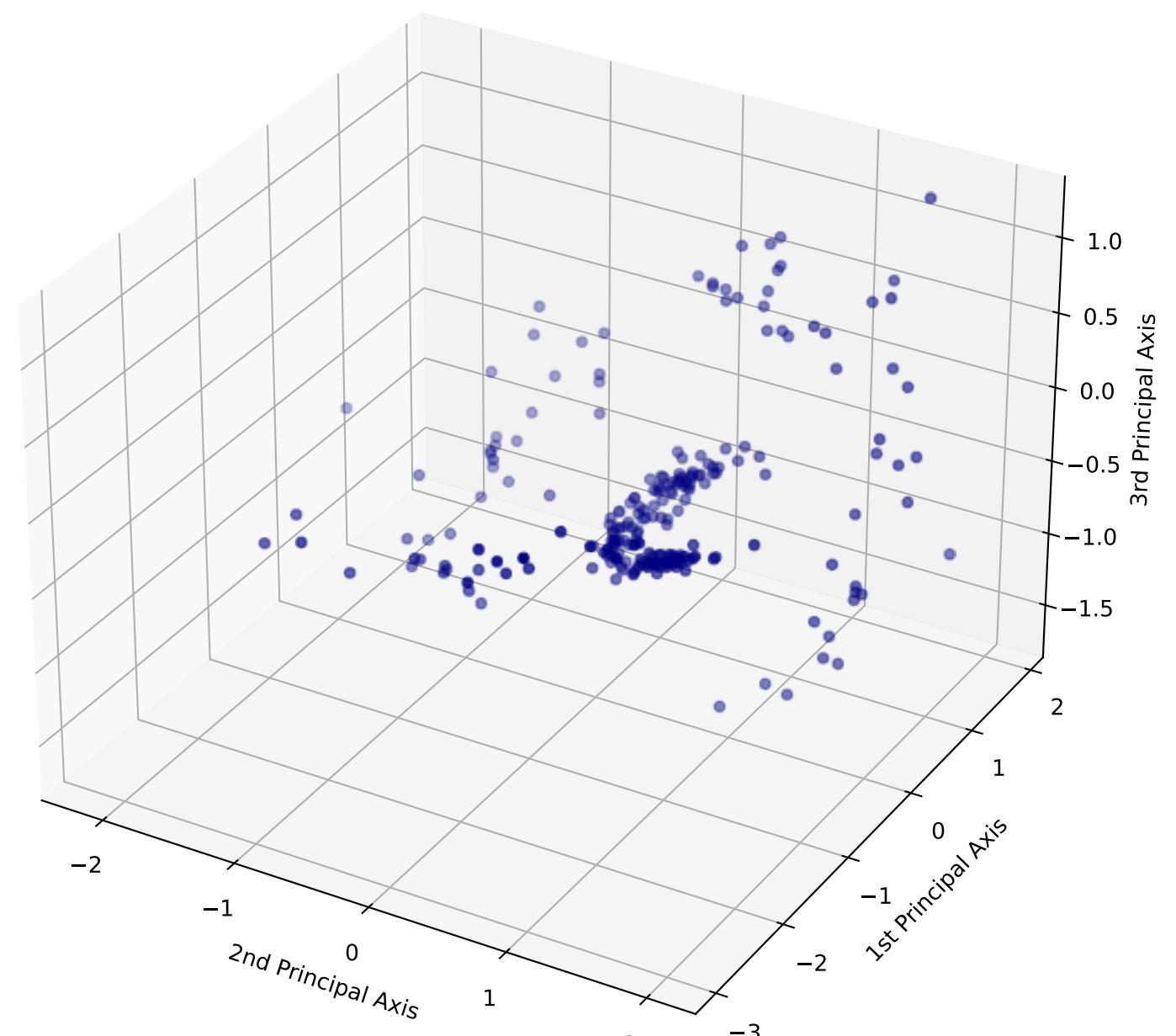
Angle 2



Angle 3

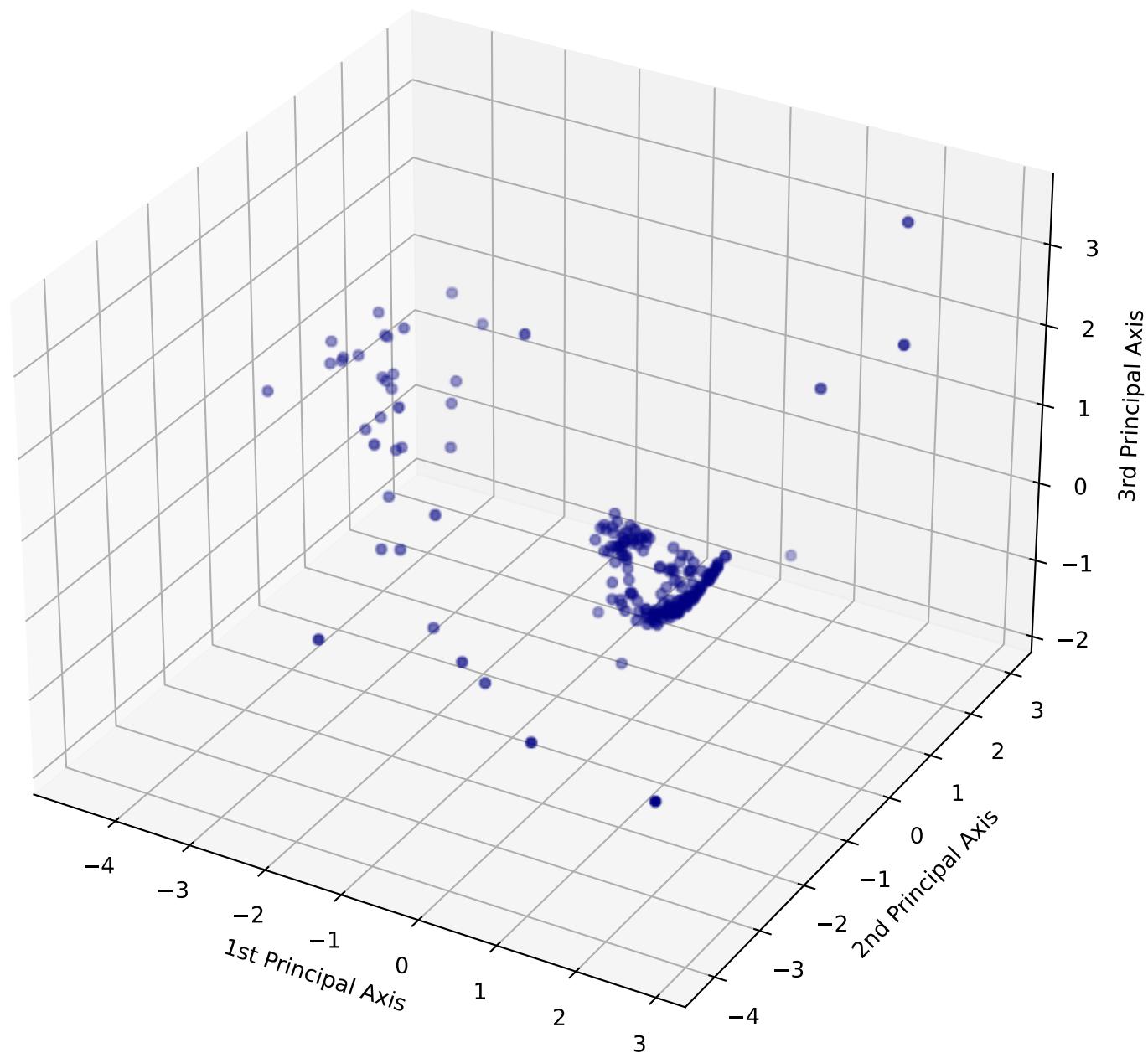


Angle 4

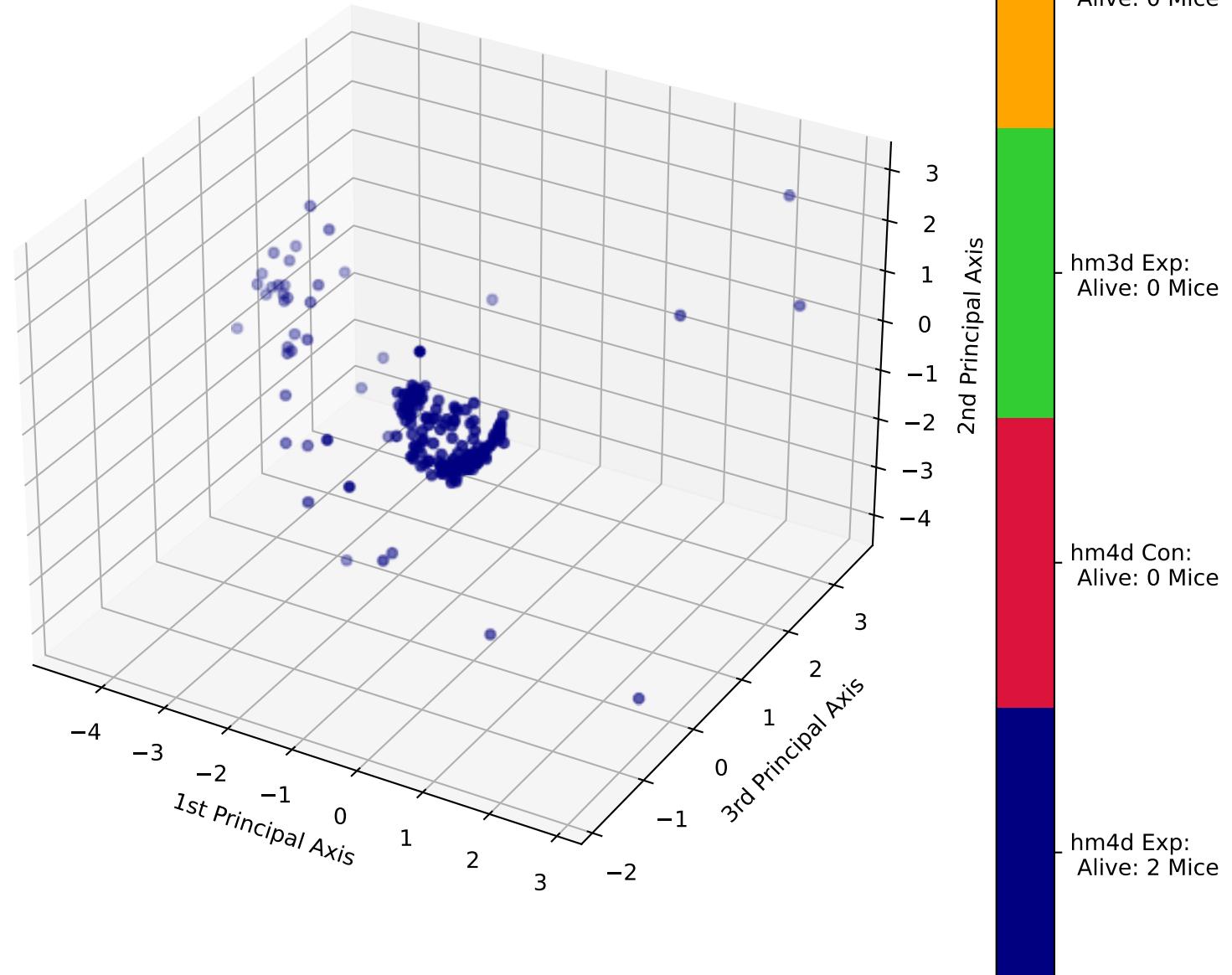


Trial Number: 13, Phase: Apnea Starts

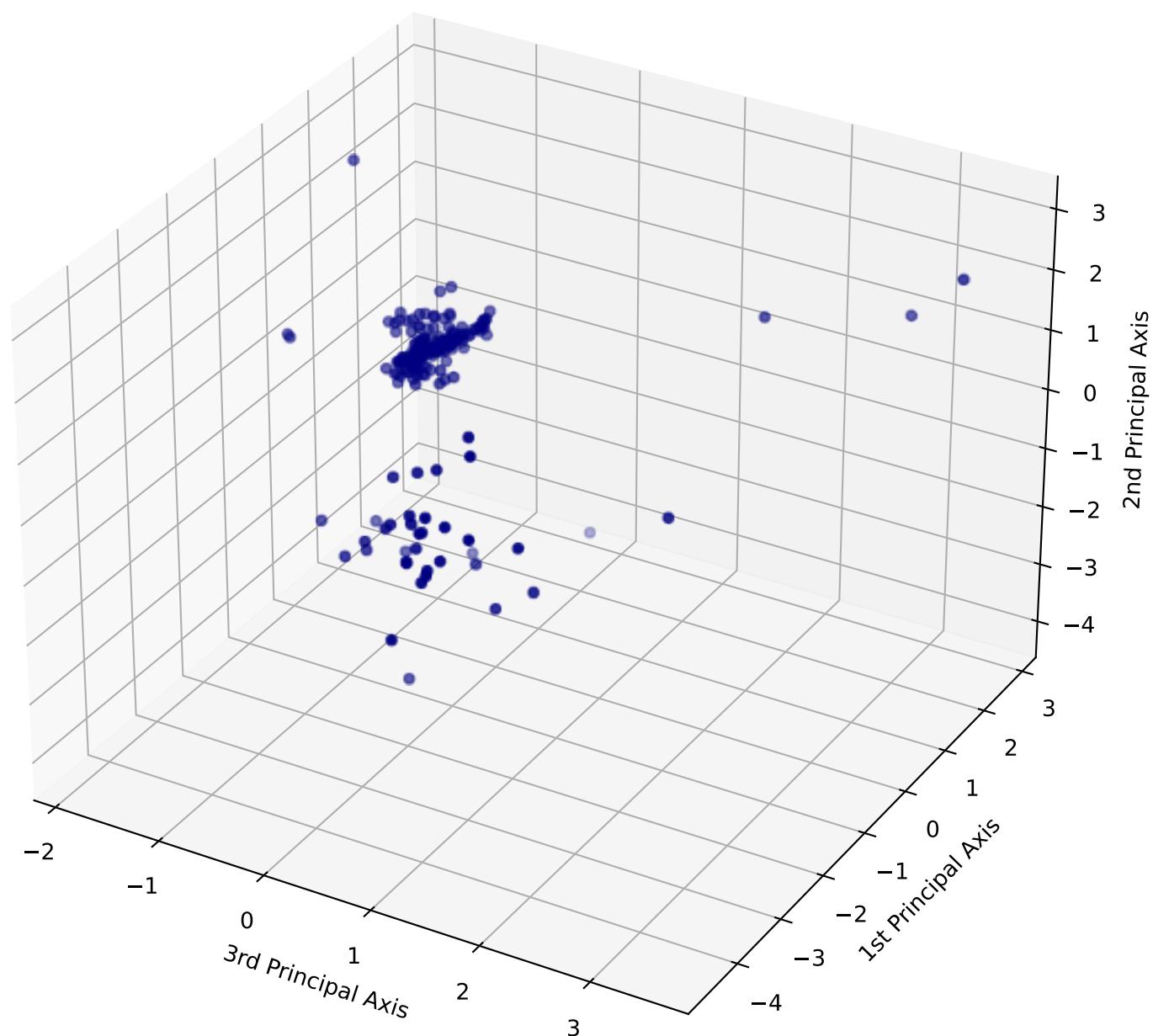
Angle 1



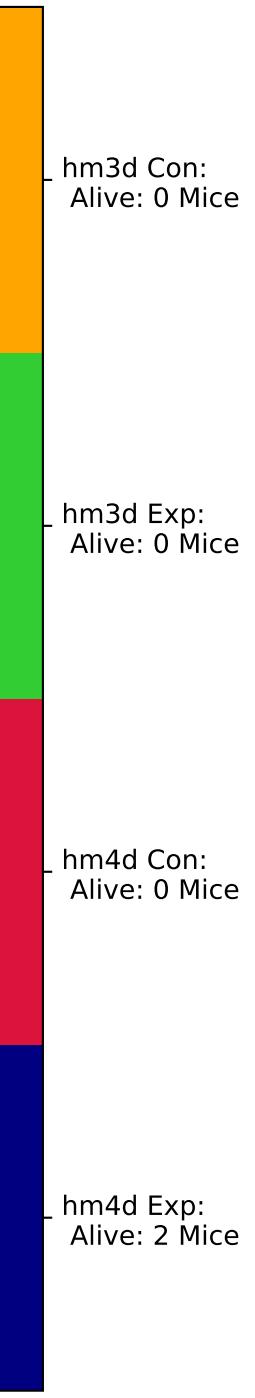
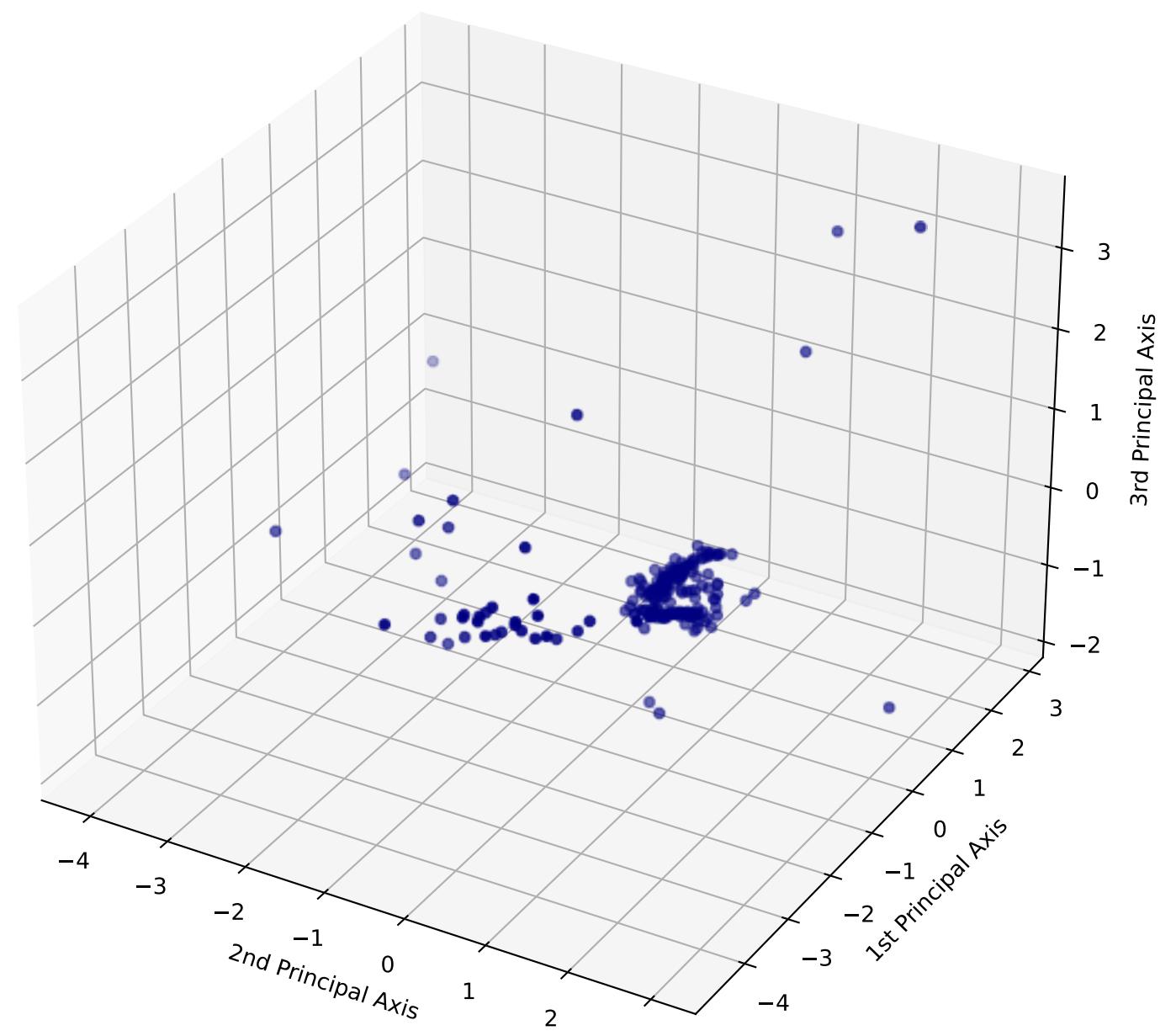
Angle 2



Angle 3

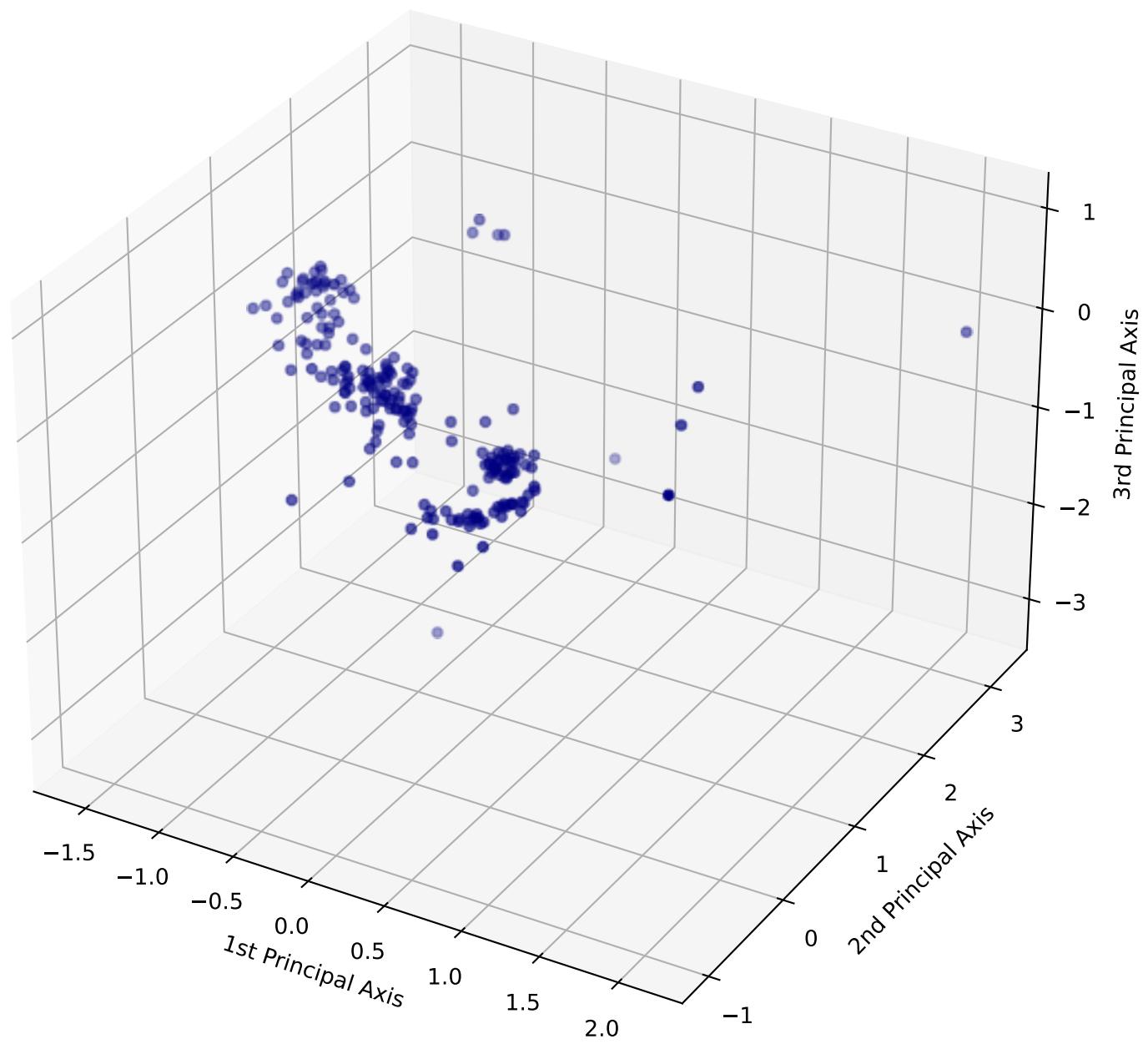


Angle 4

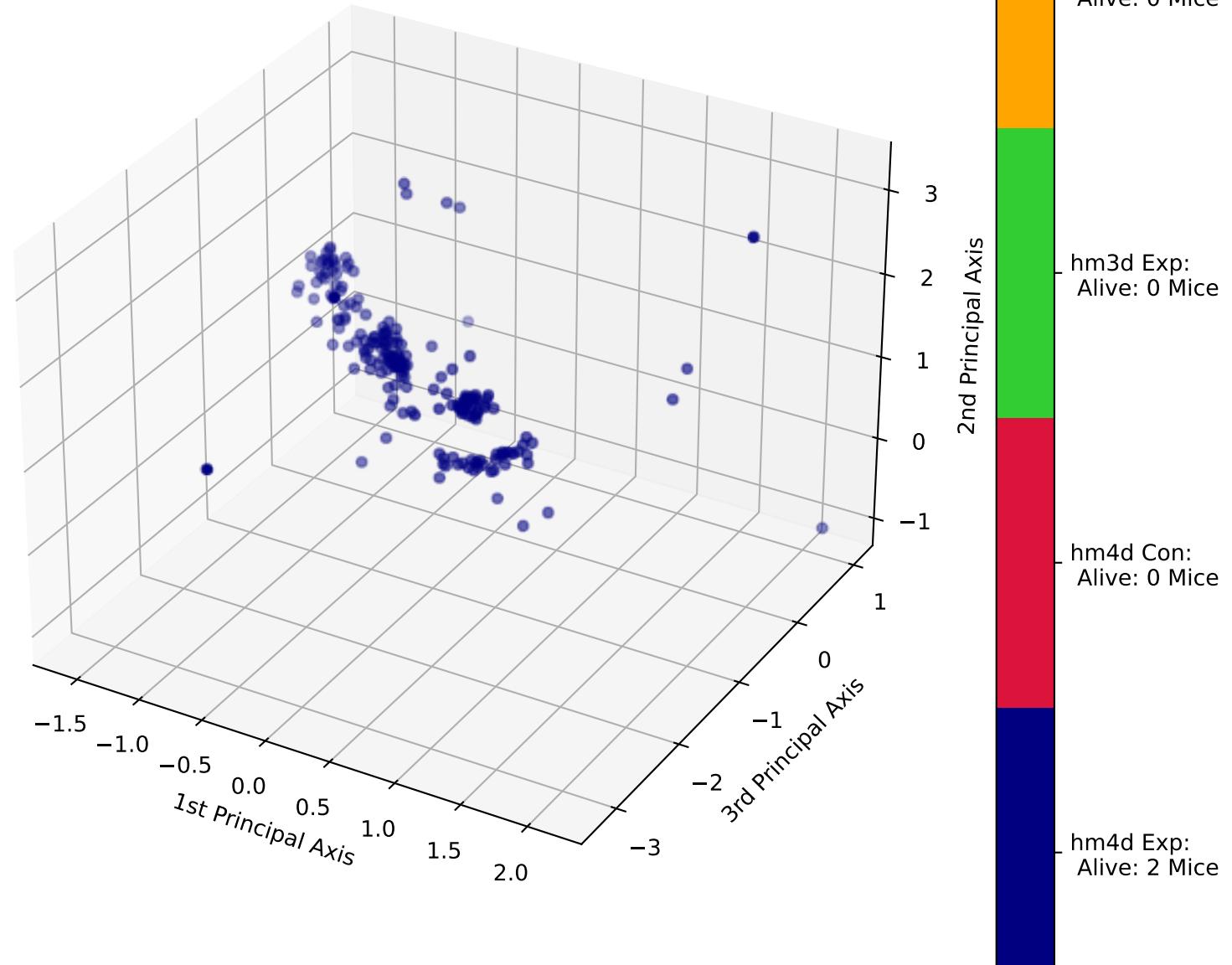


Trial Number: 13, Phase: First Gasp

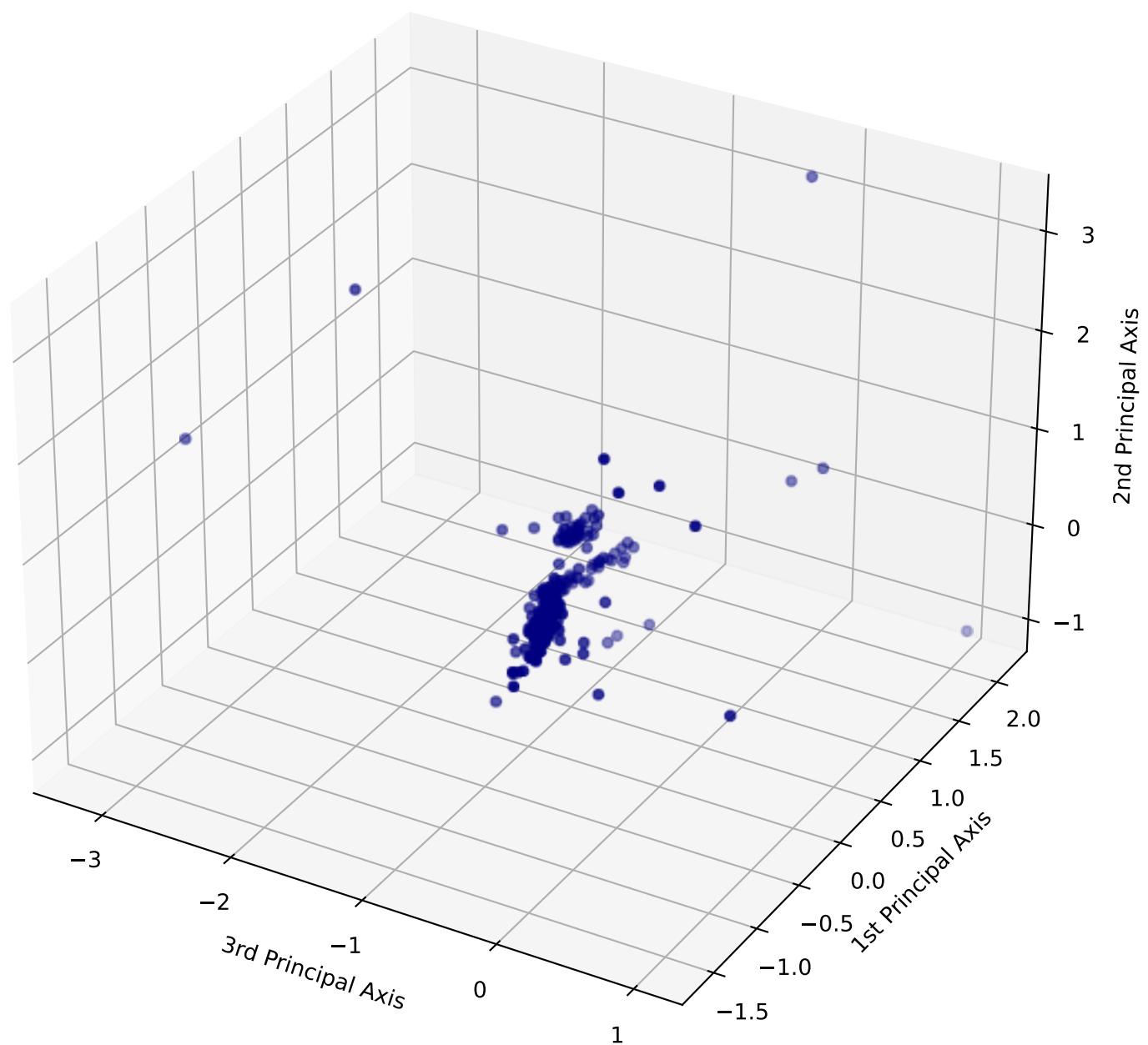
Angle 1



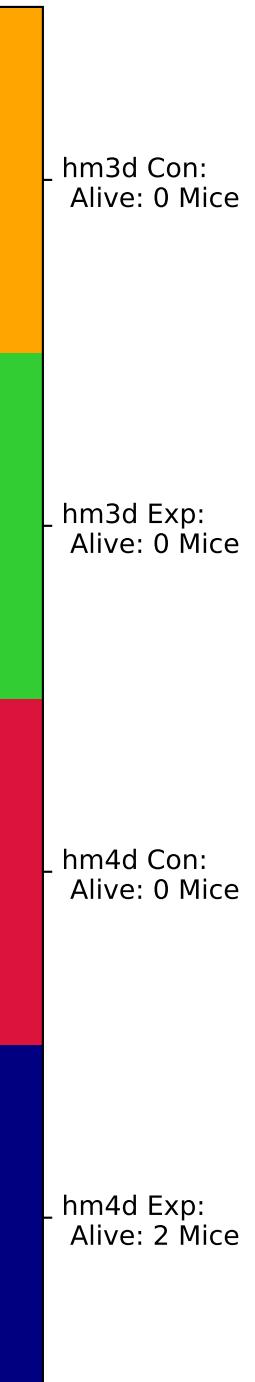
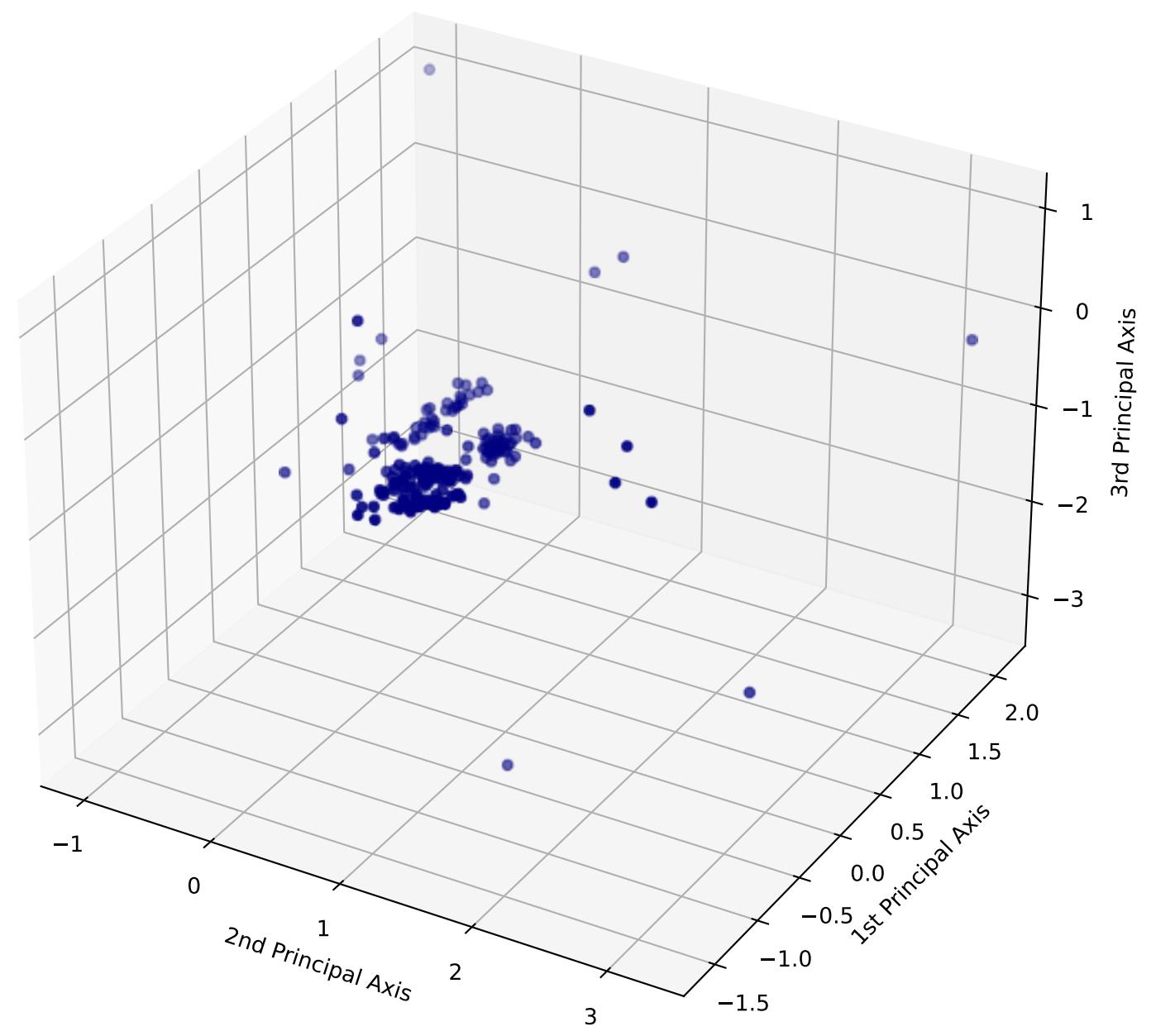
Angle 2



Angle 3

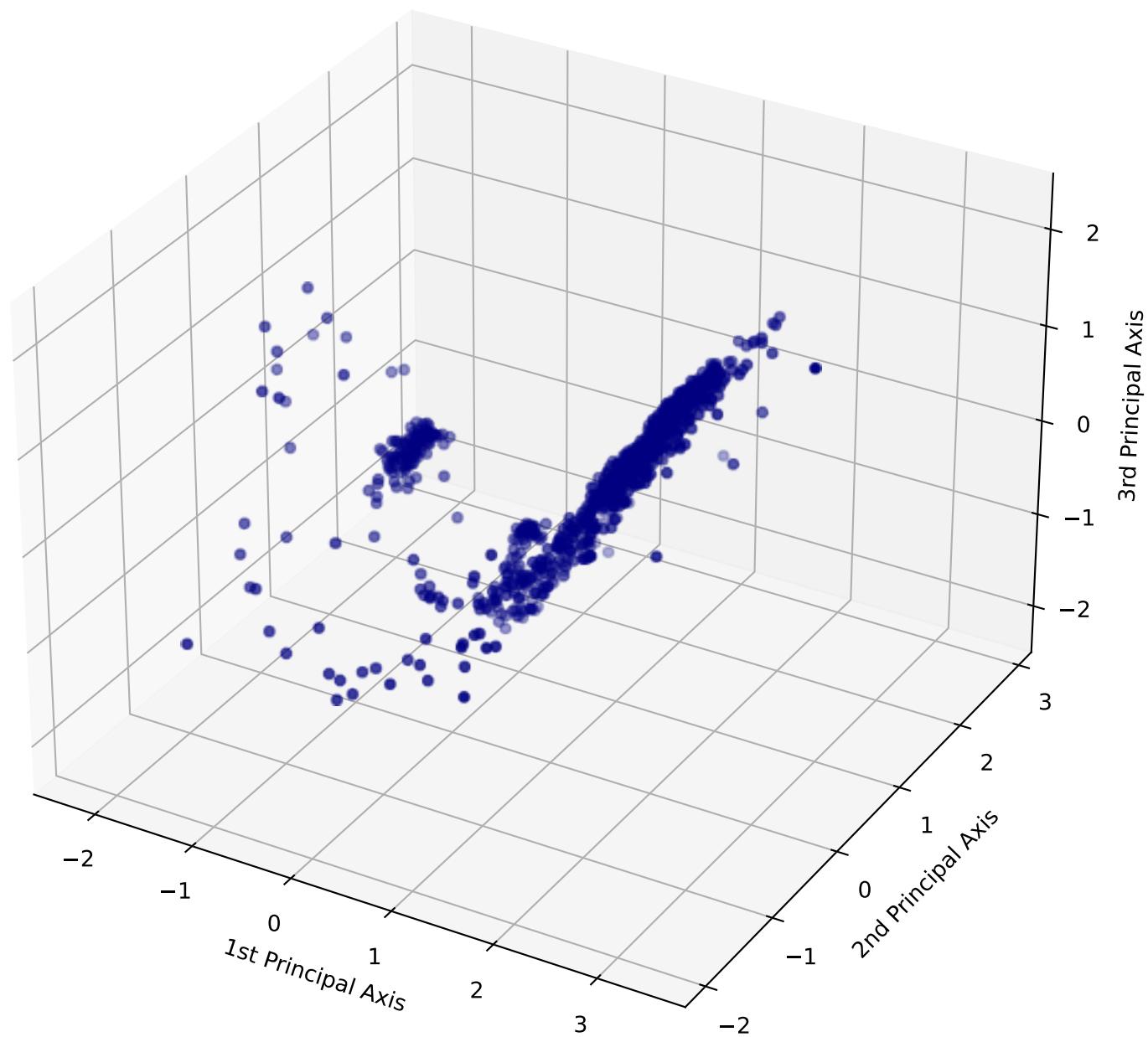


Angle 4

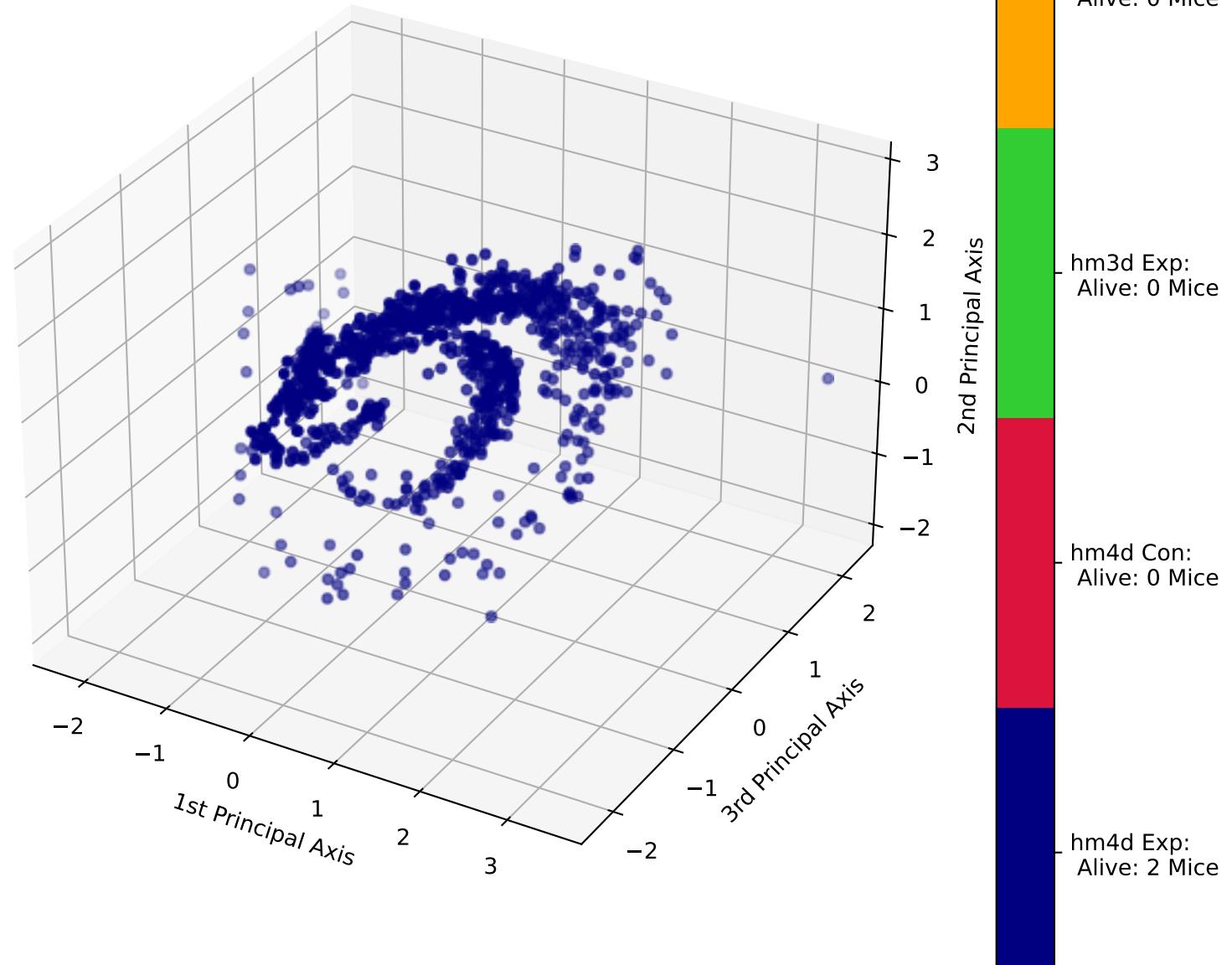


Trial Number: 13, Phase: Eupnea Recovery

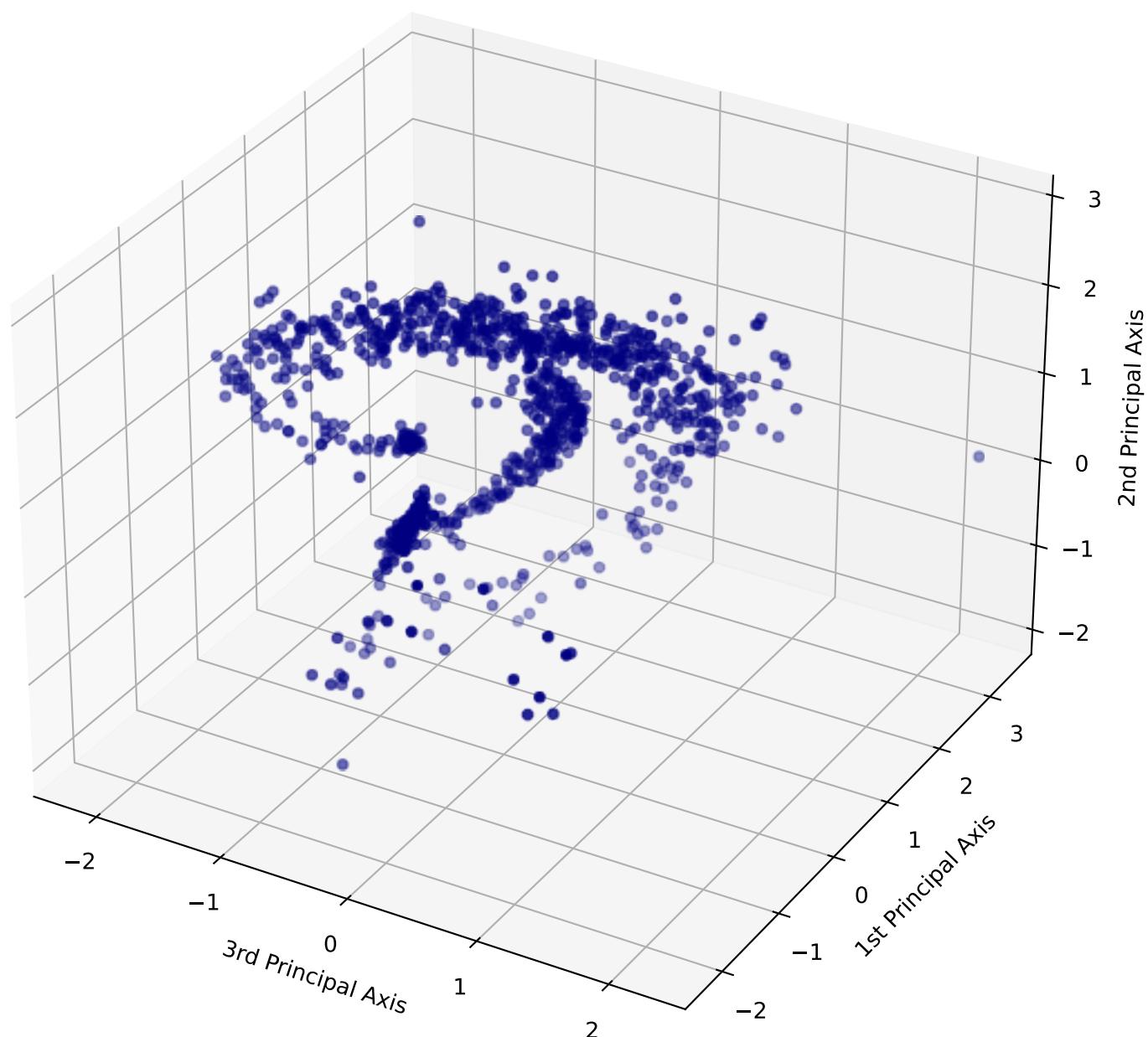
Angle 1



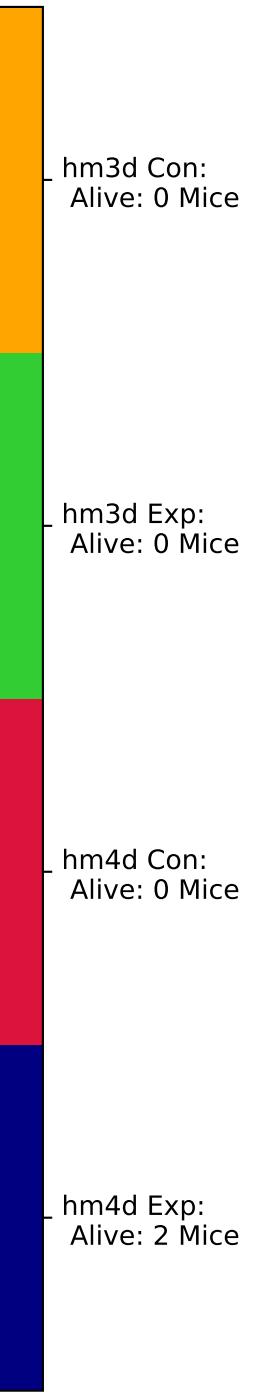
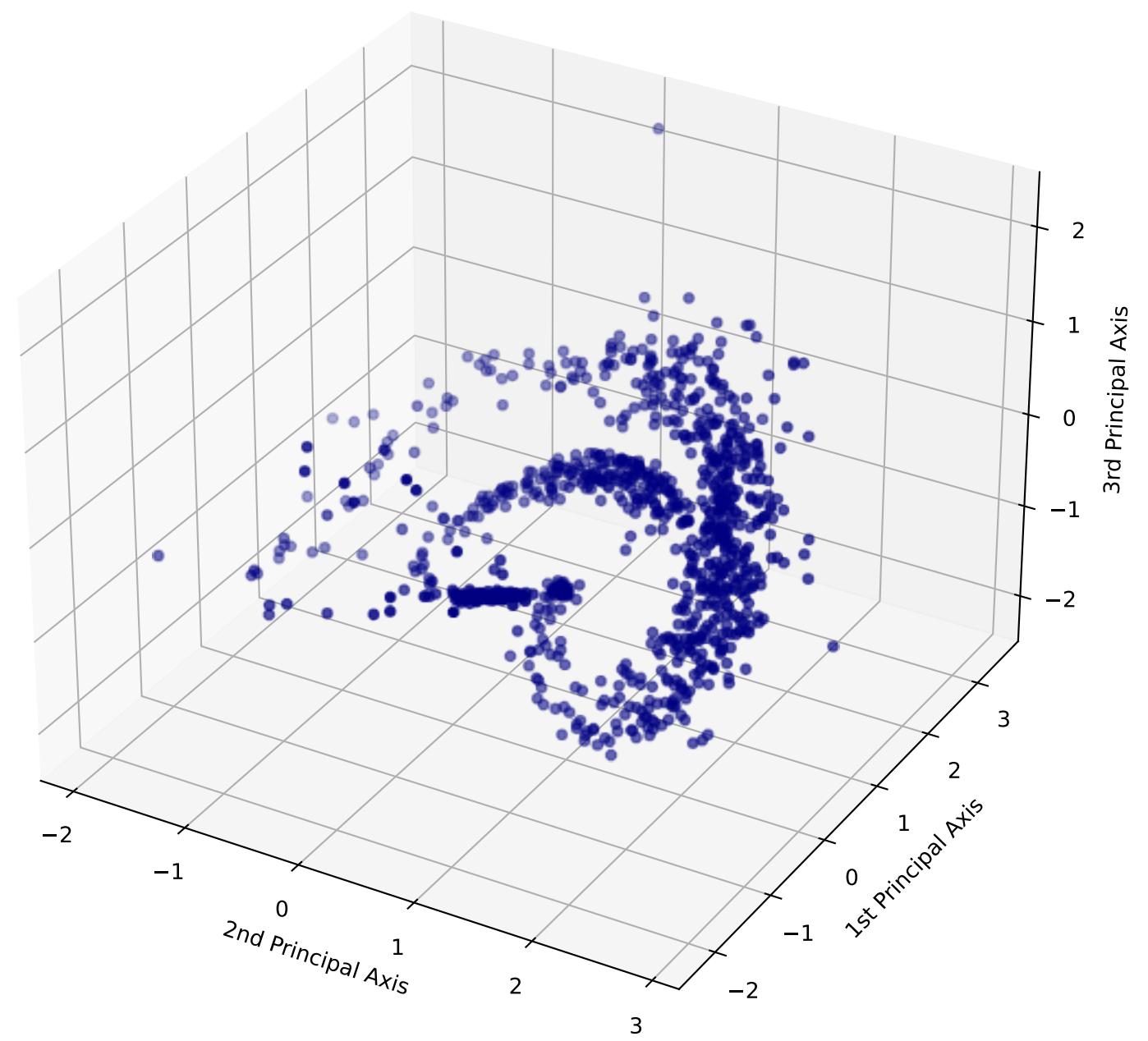
Angle 2



Angle 3

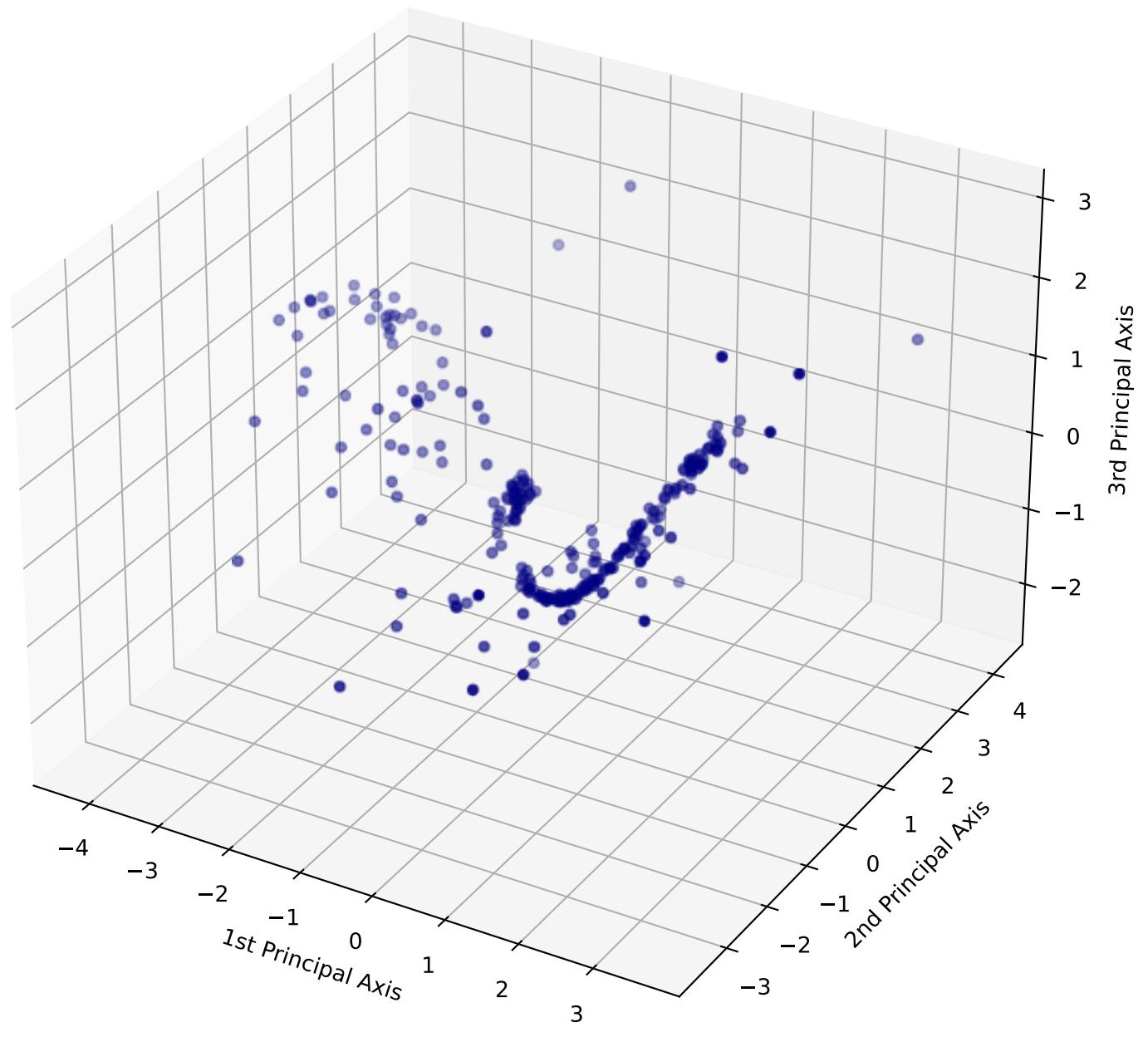


Angle 4

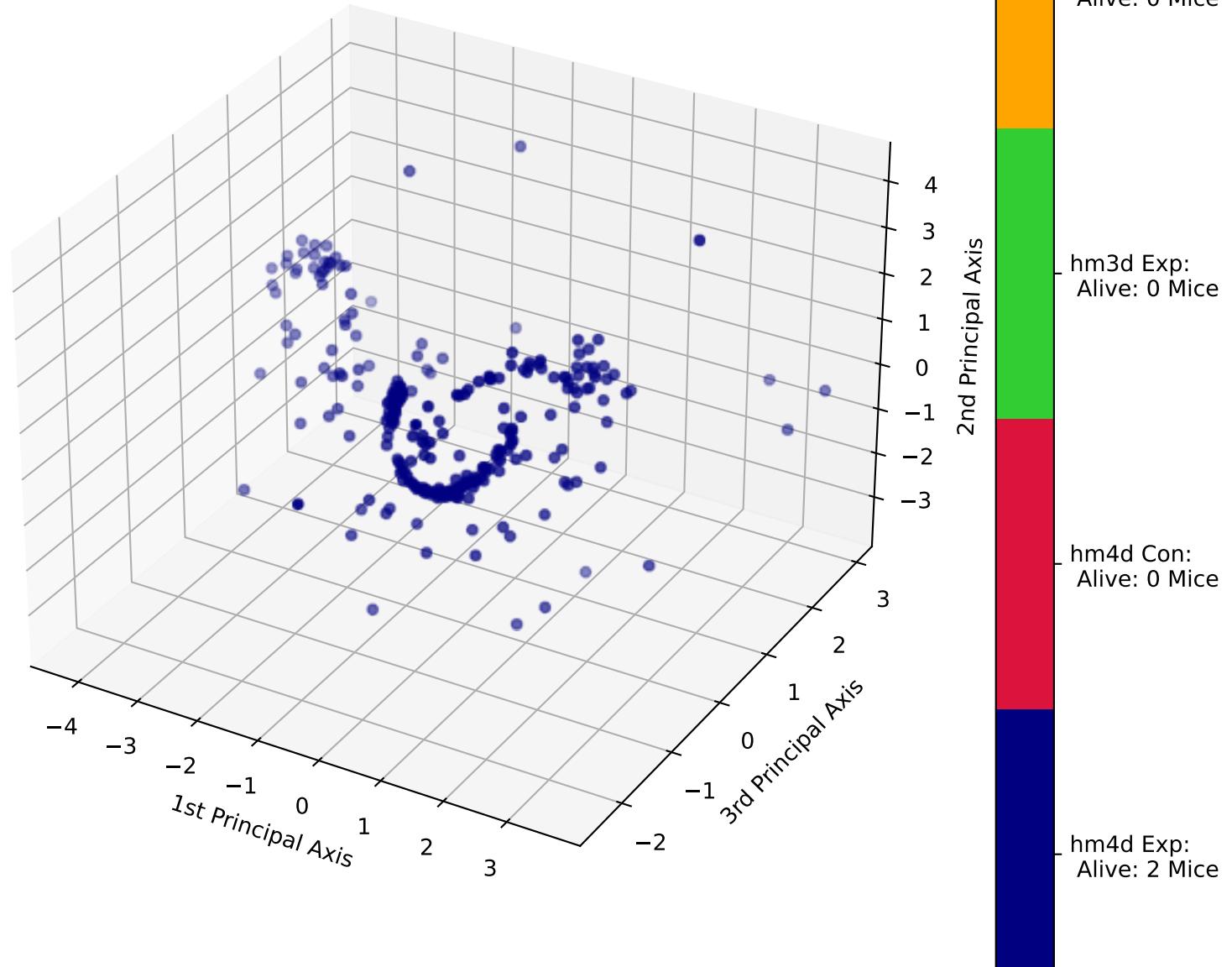


Trial Number: 14, Phase: Trial Onset

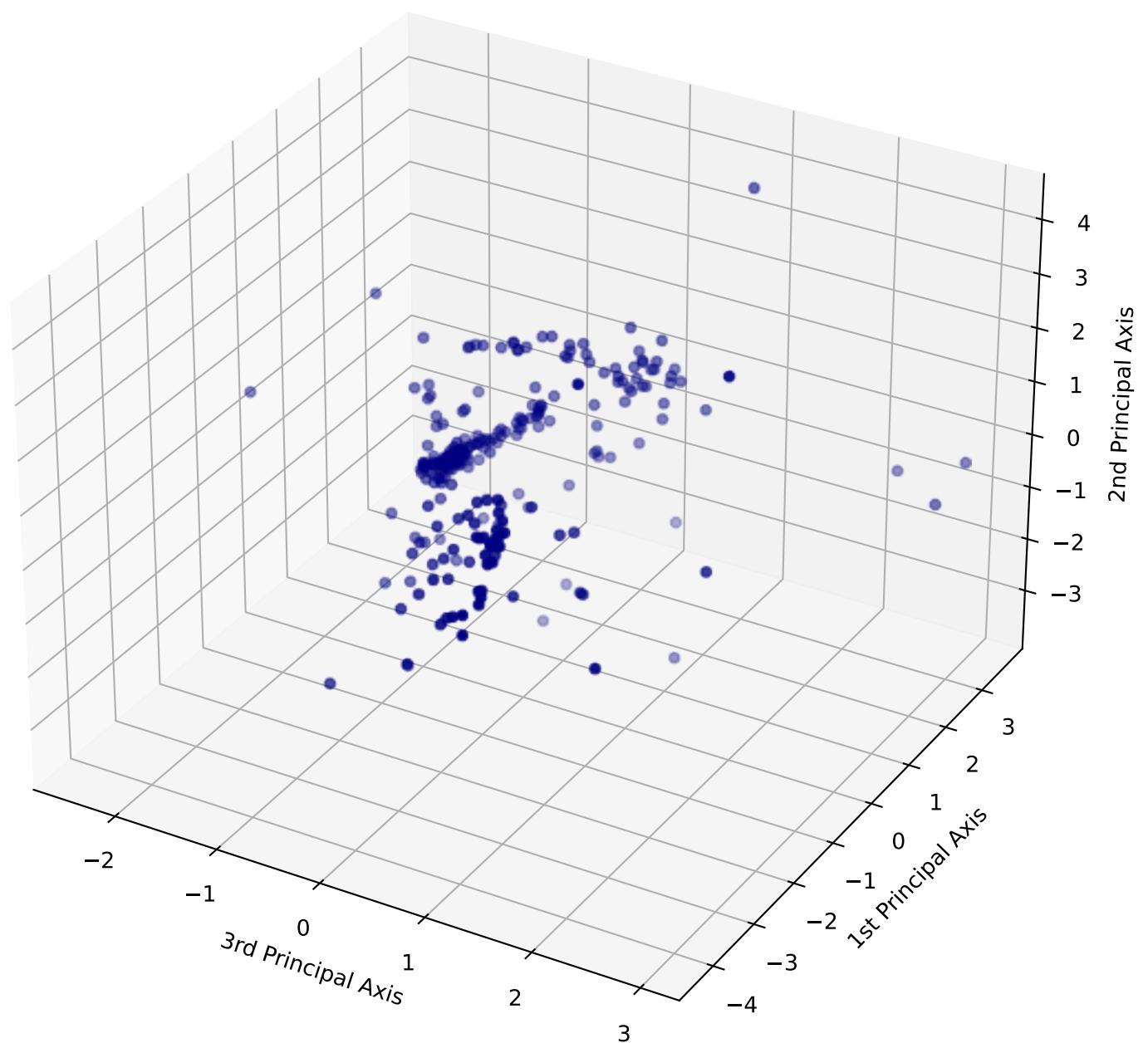
Angle 1



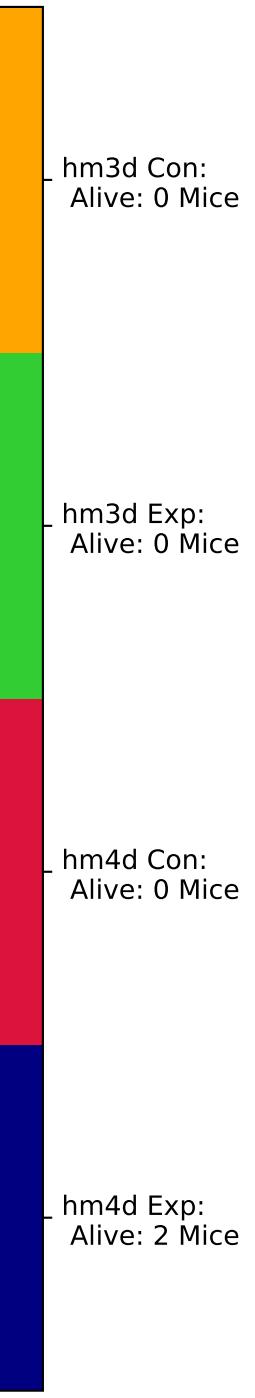
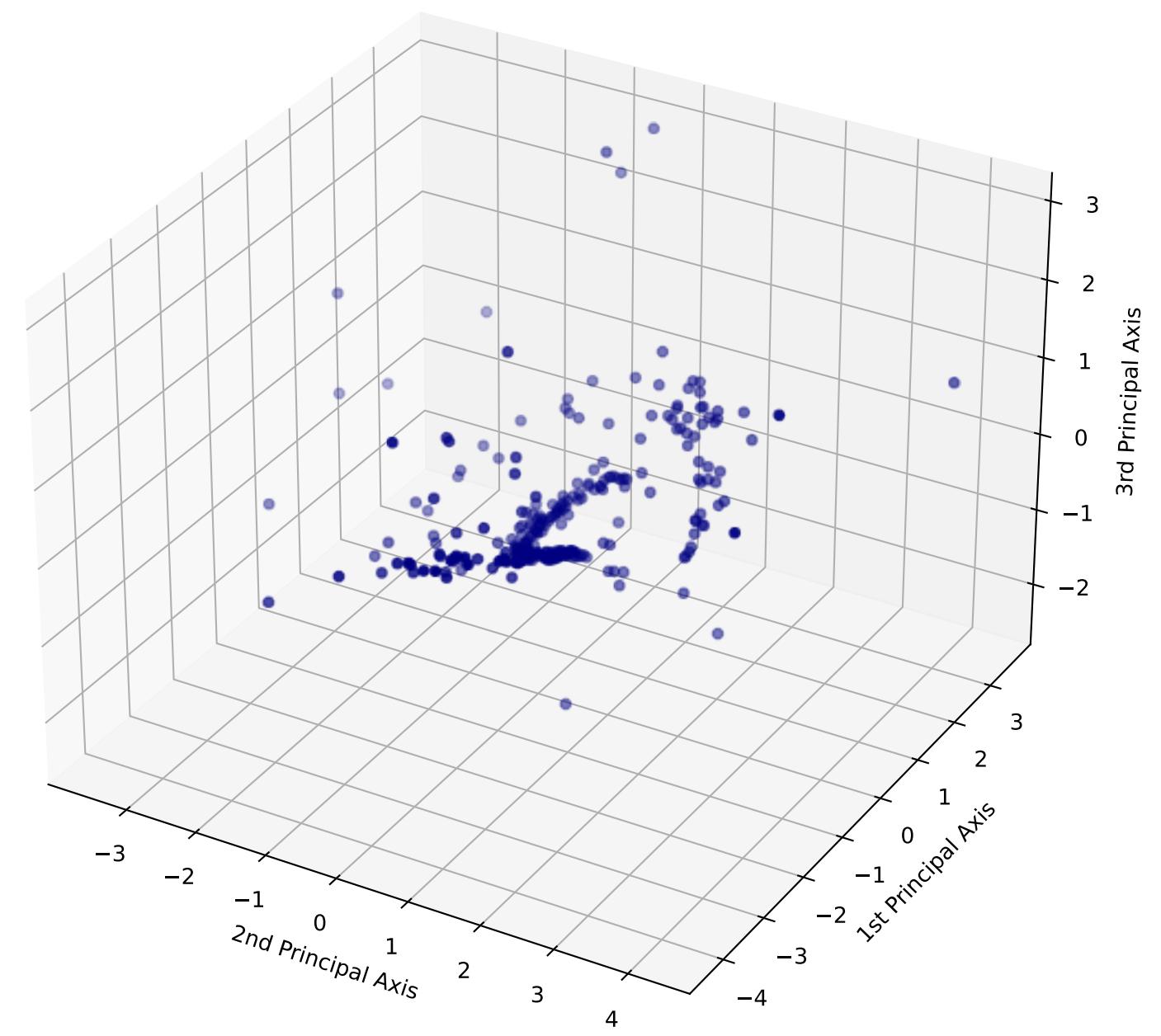
Angle 2



Angle 3

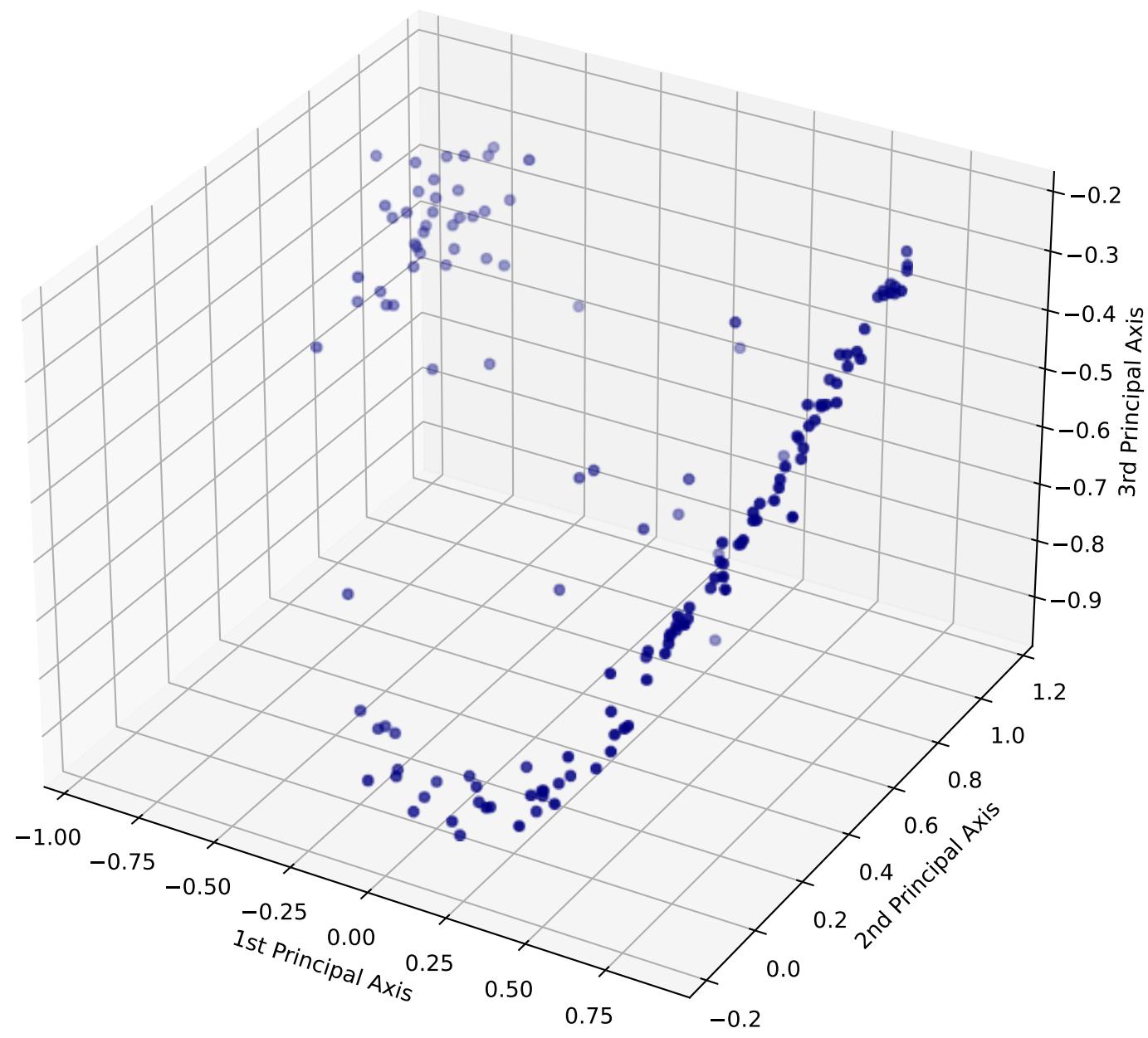


Angle 4

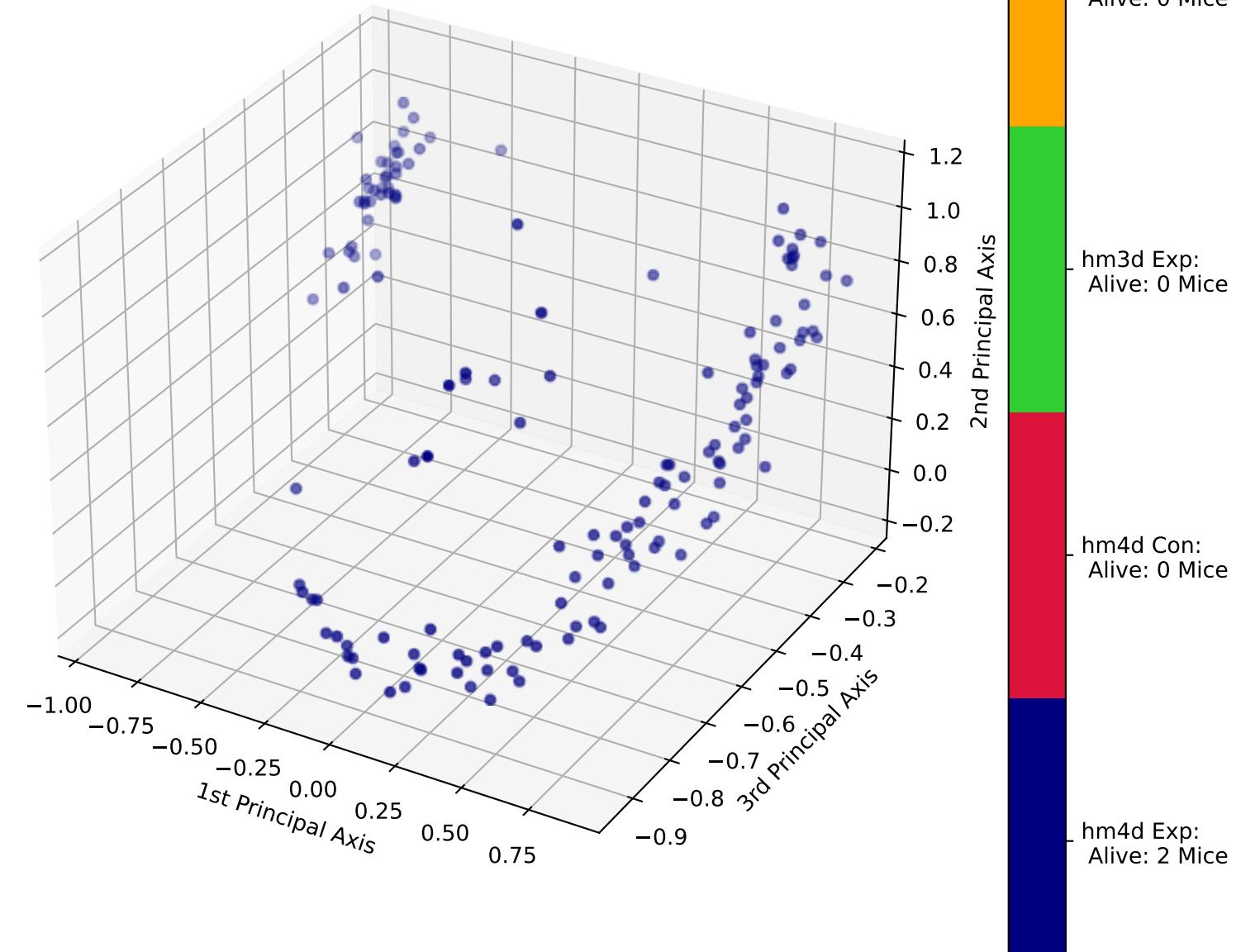


Trial Number: 14, Phase: Apnea Starts

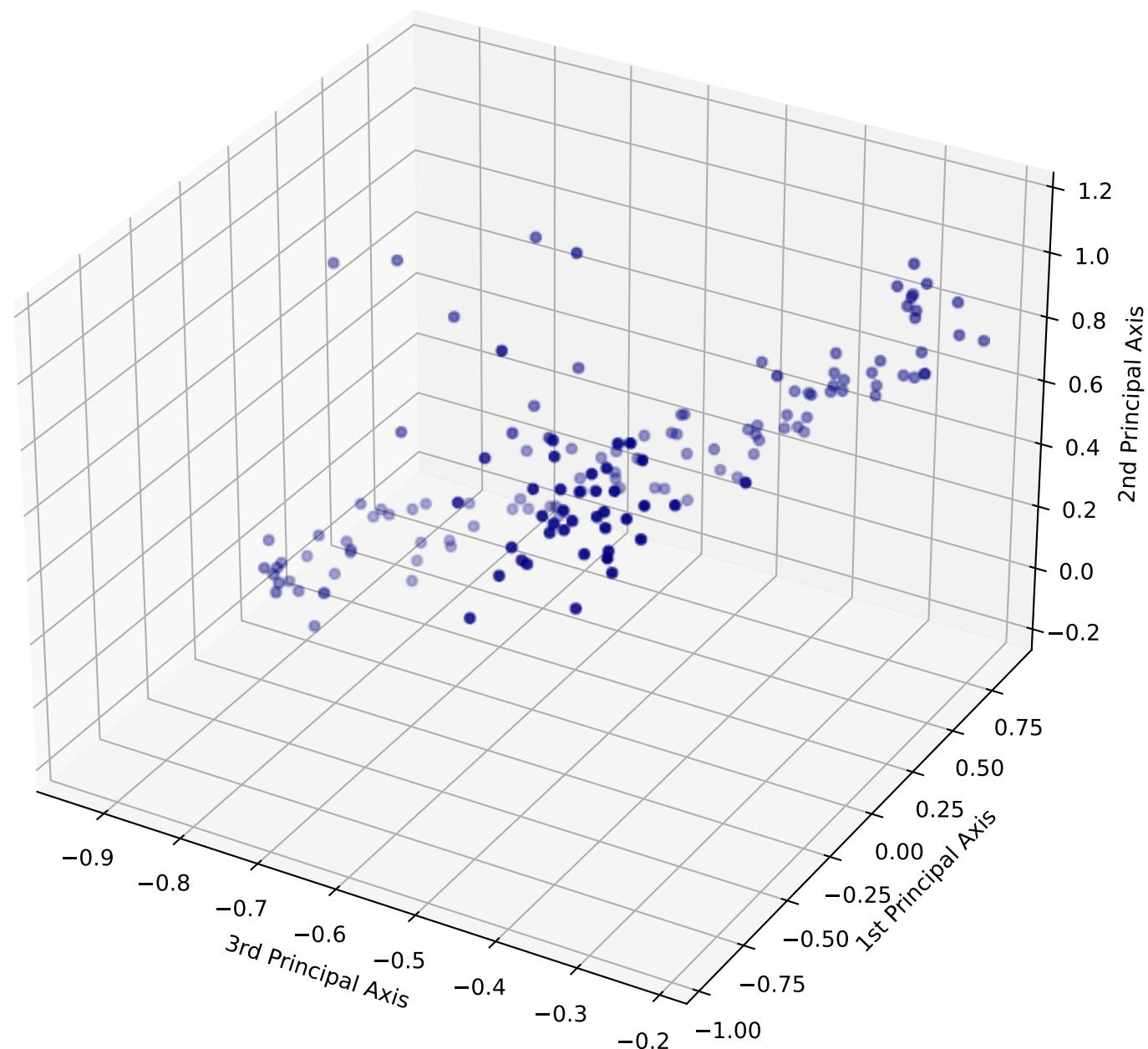
Angle 1



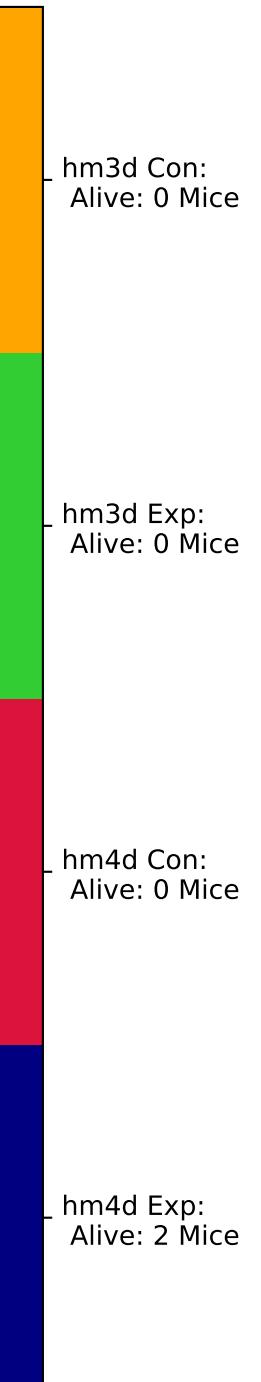
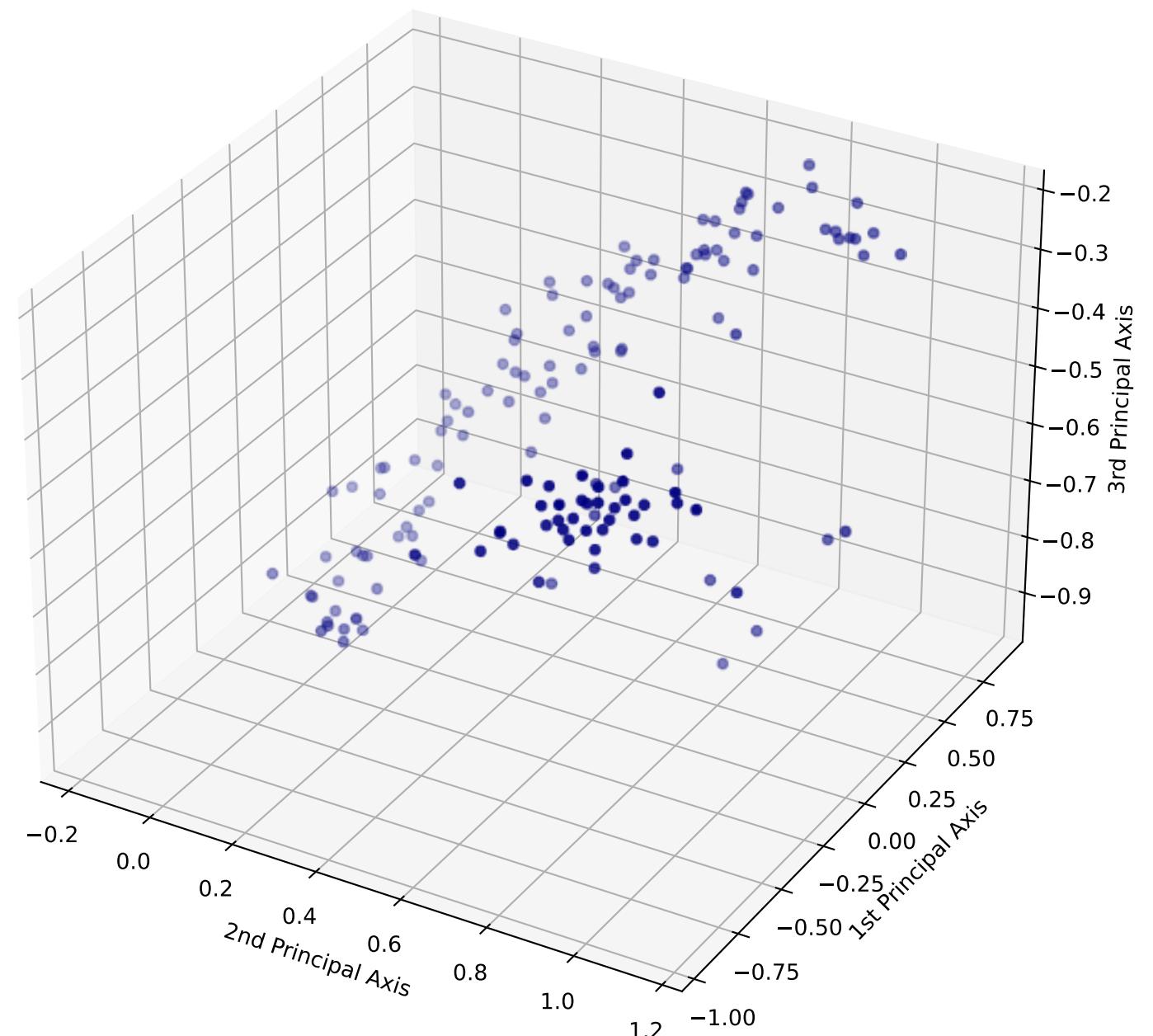
Angle 2



Angle 3

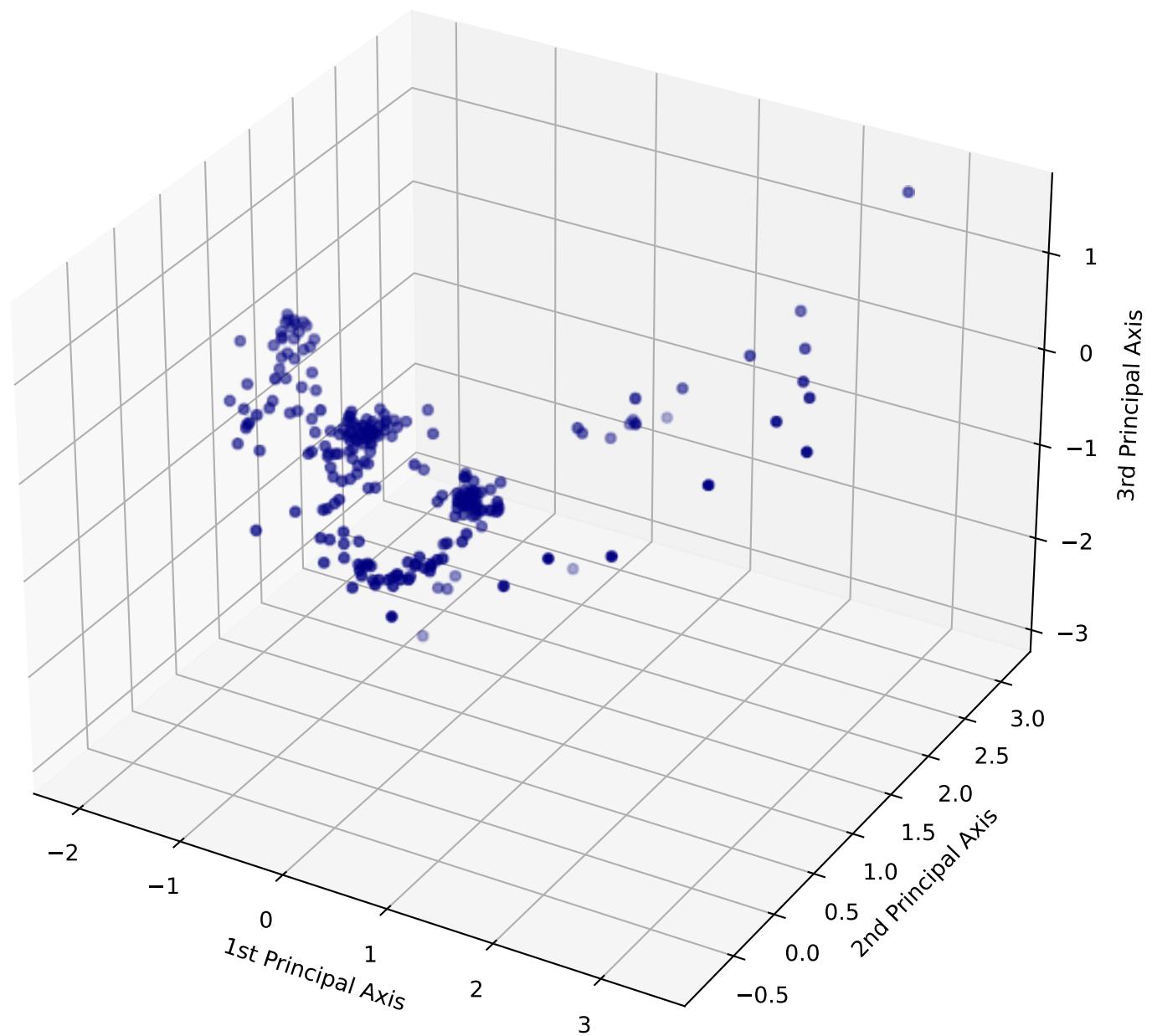


Angle 4

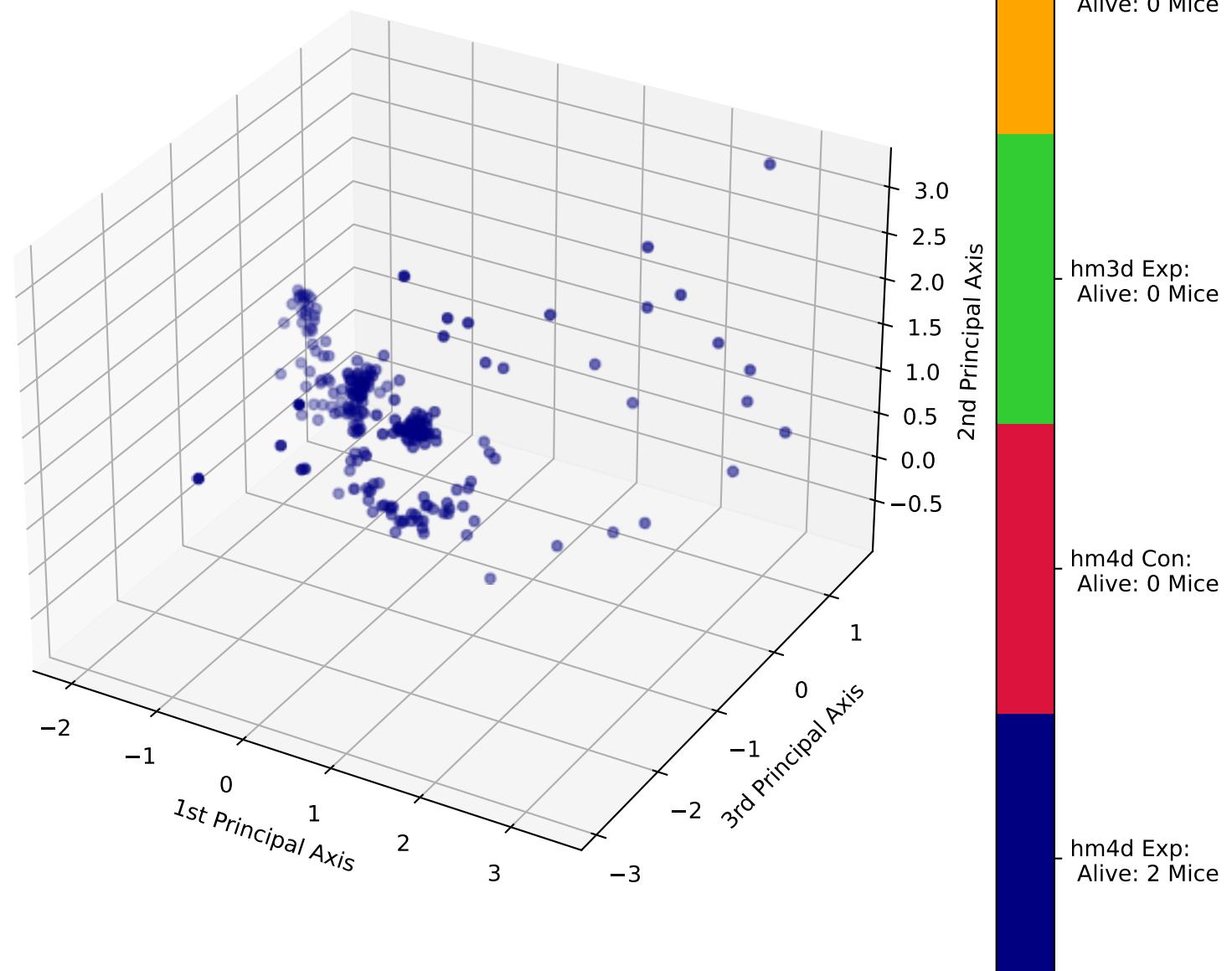


Trial Number: 14, Phase: First Gasp

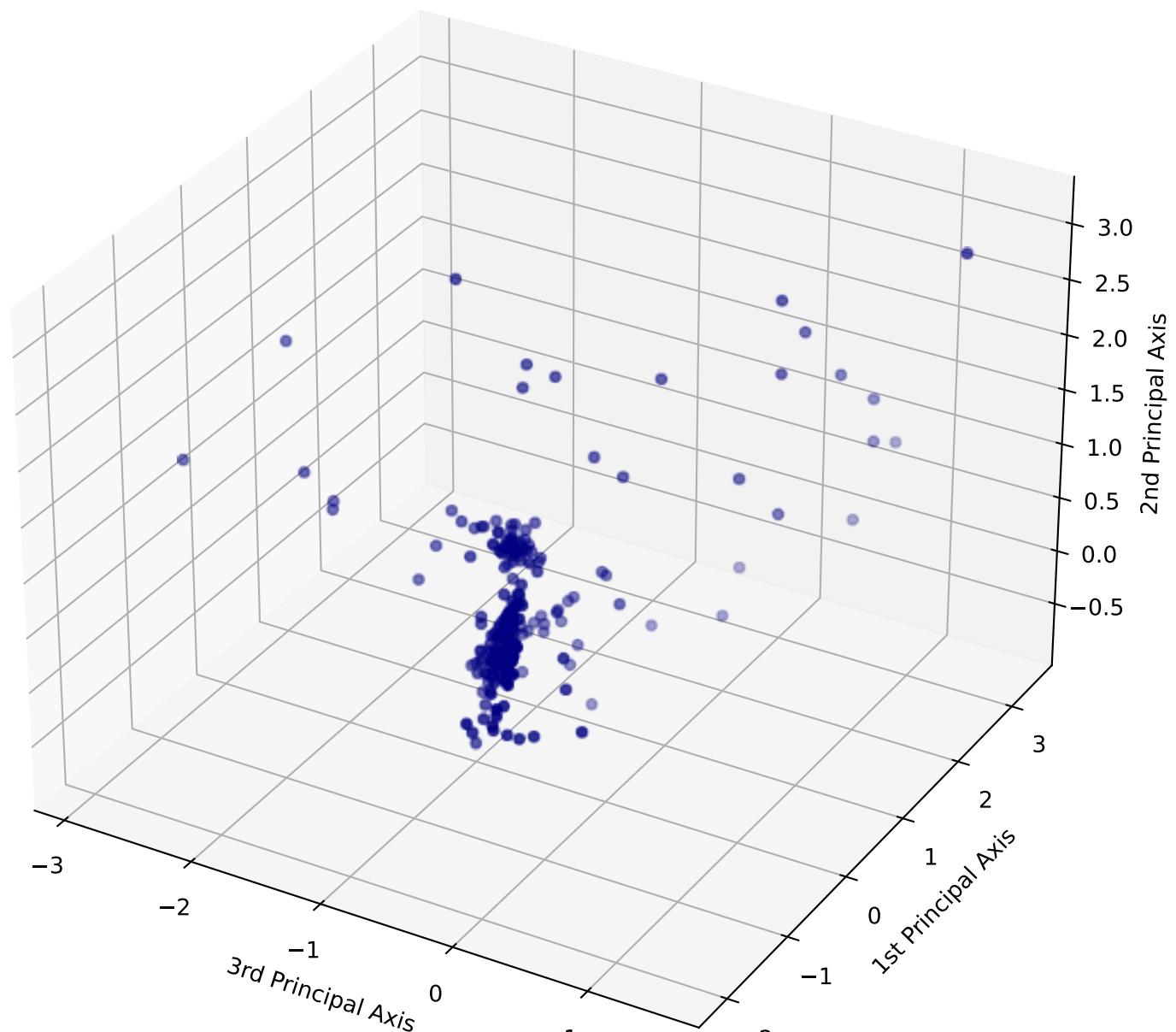
Angle 1



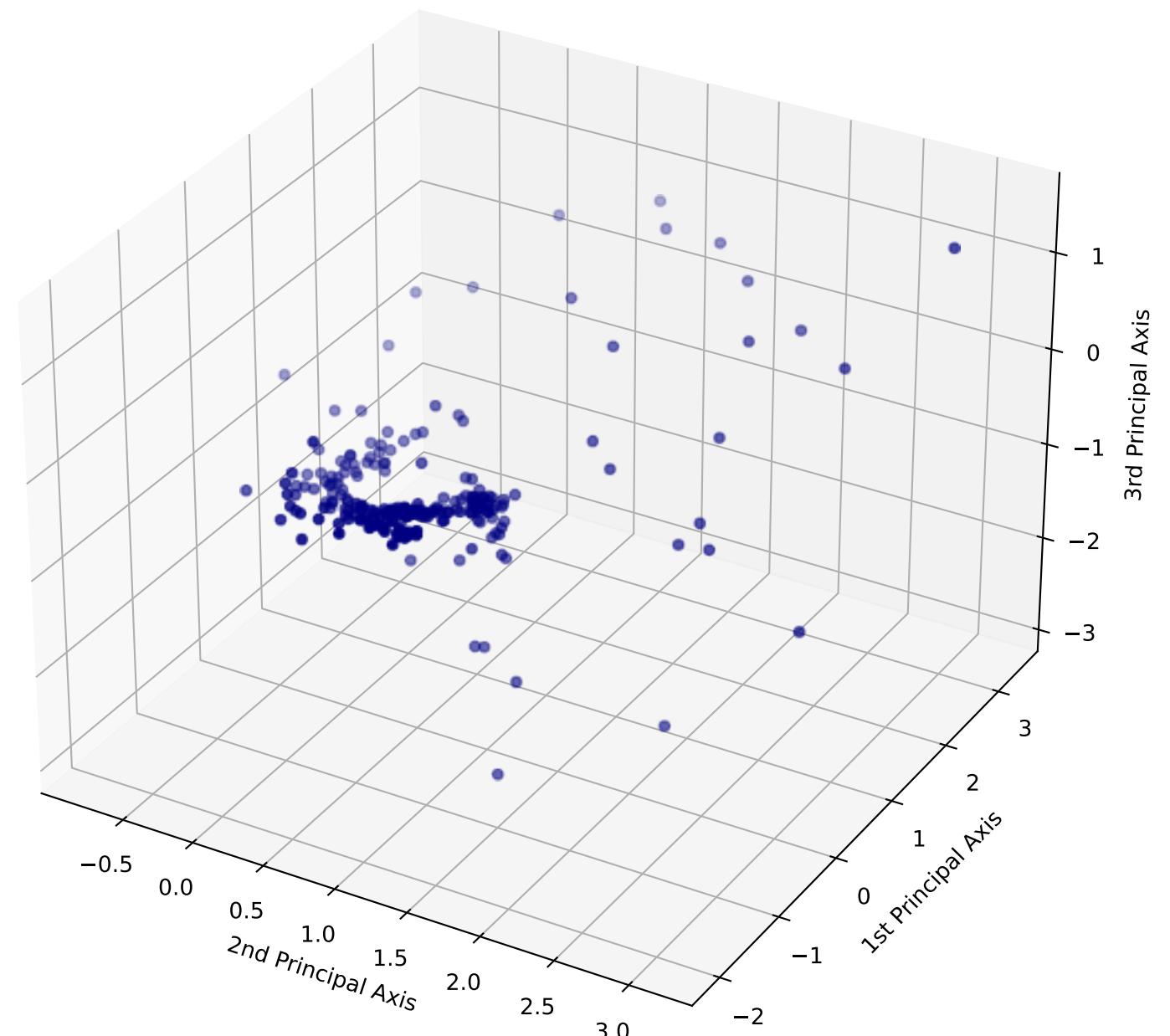
Angle 2



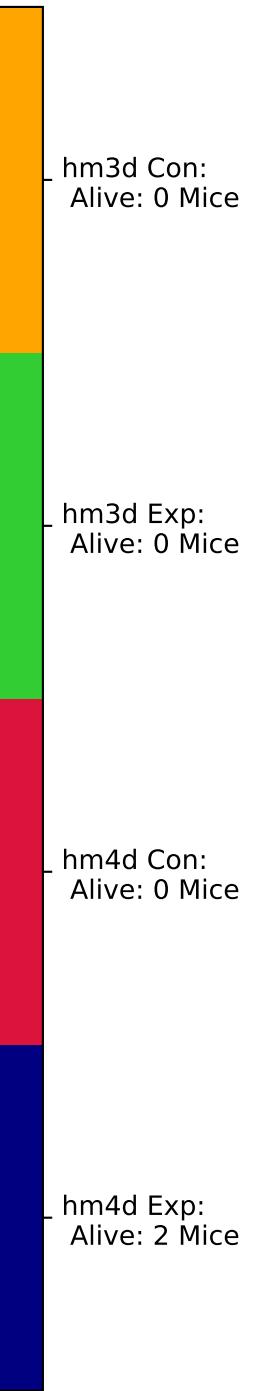
Angle 3



Angle 4

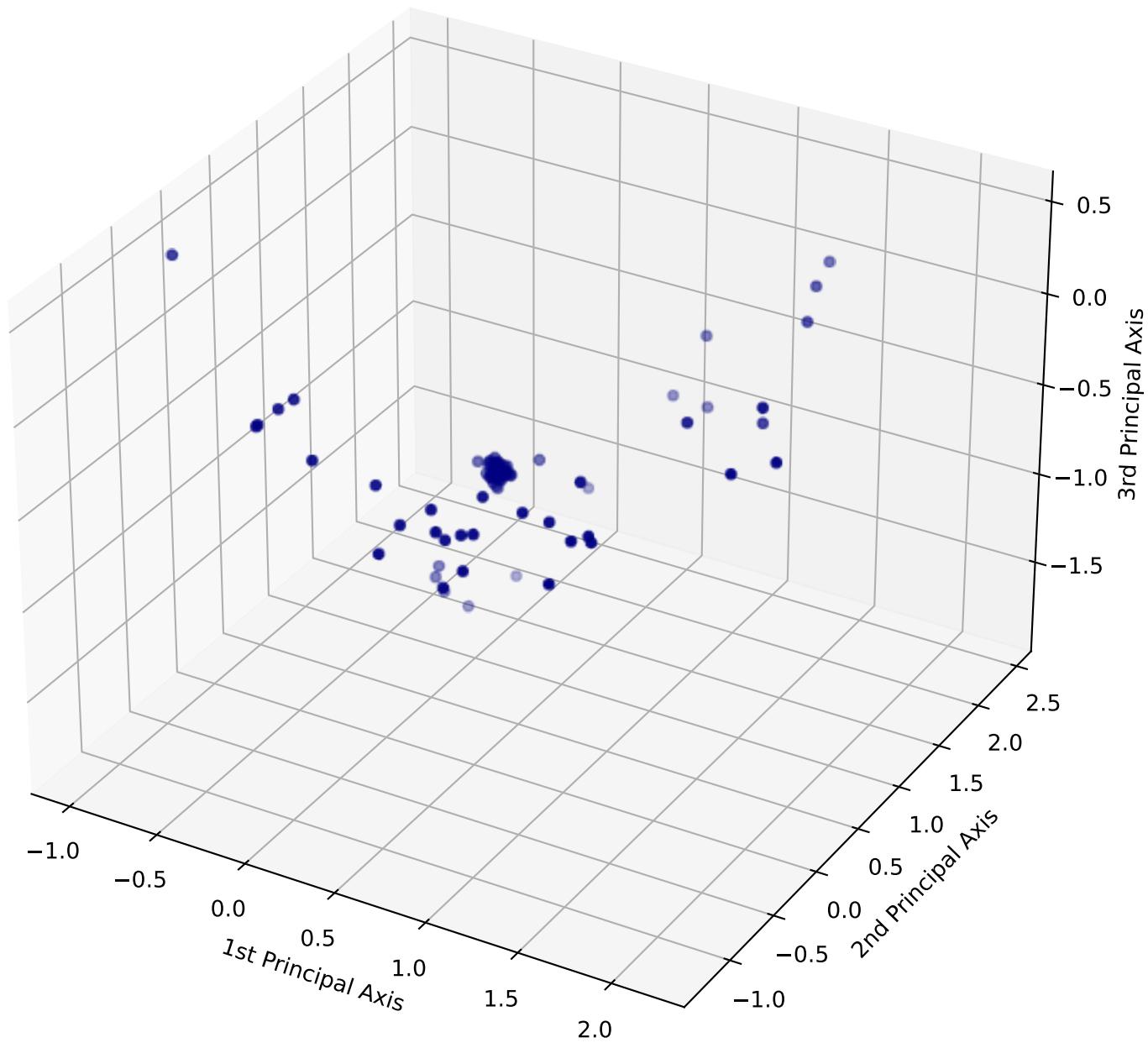


Mice Expired: ('M21267', 'hm4d Exp')

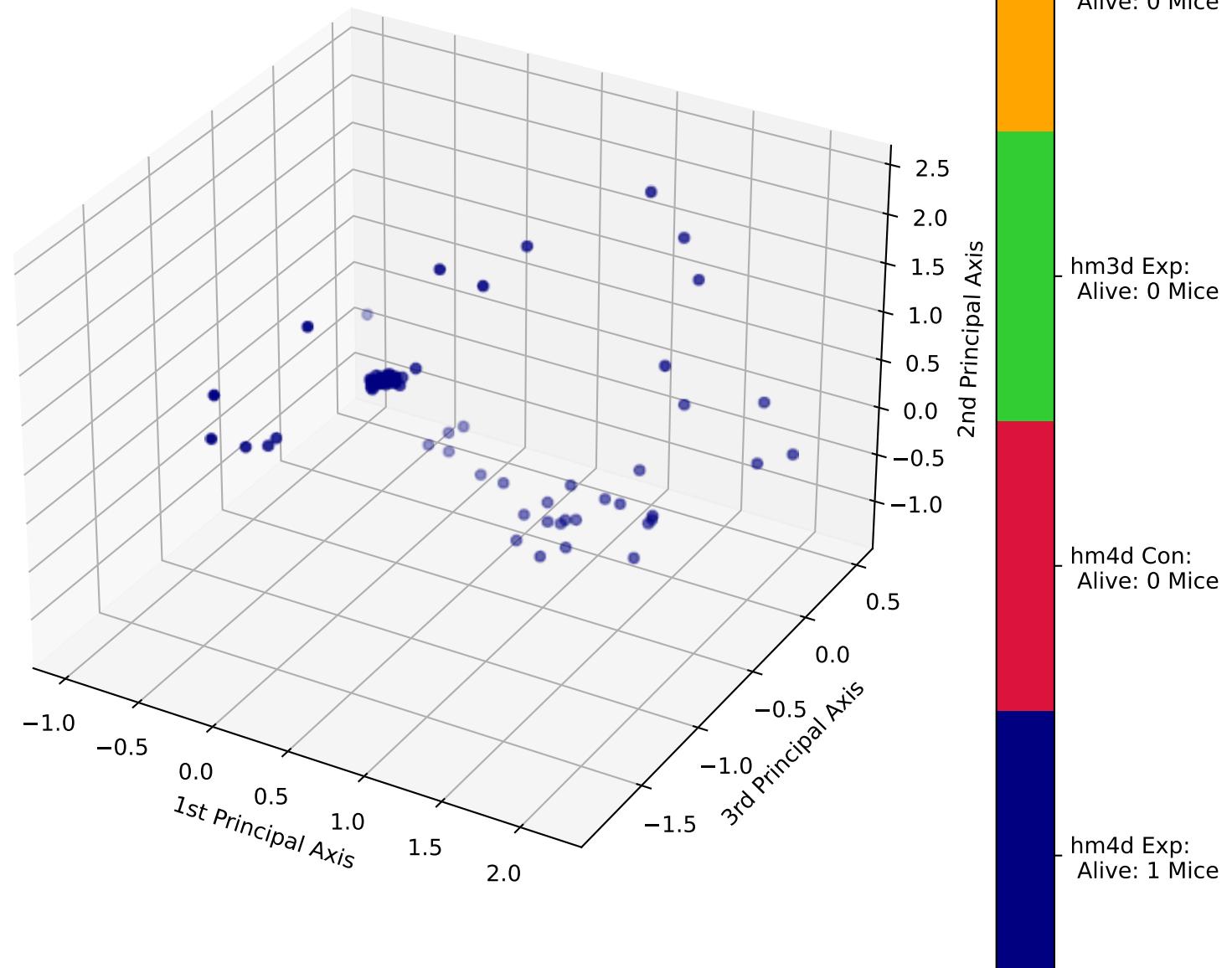


Trial Number: 14, Phase: Eupnea Recovery

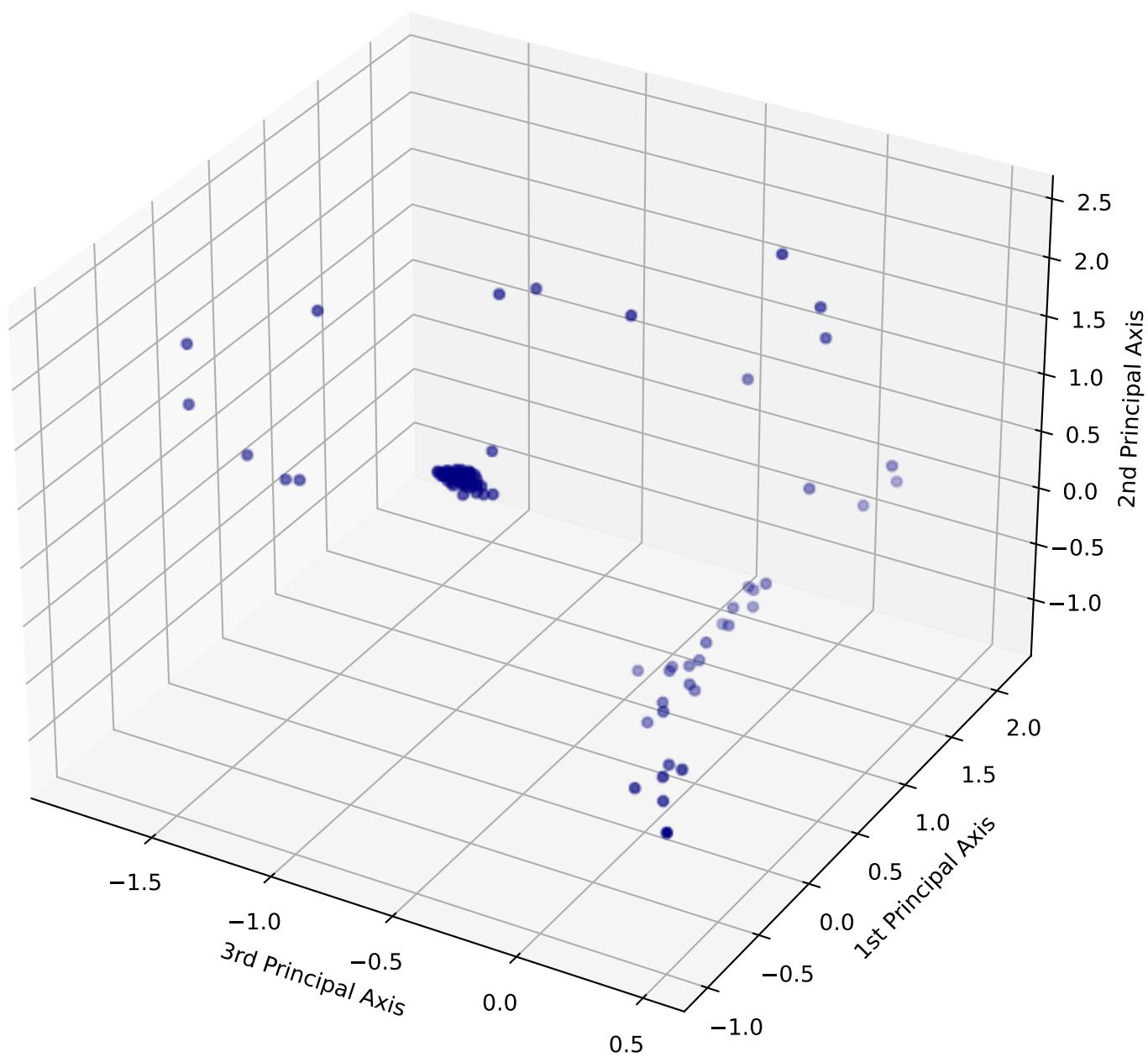
Angle 1



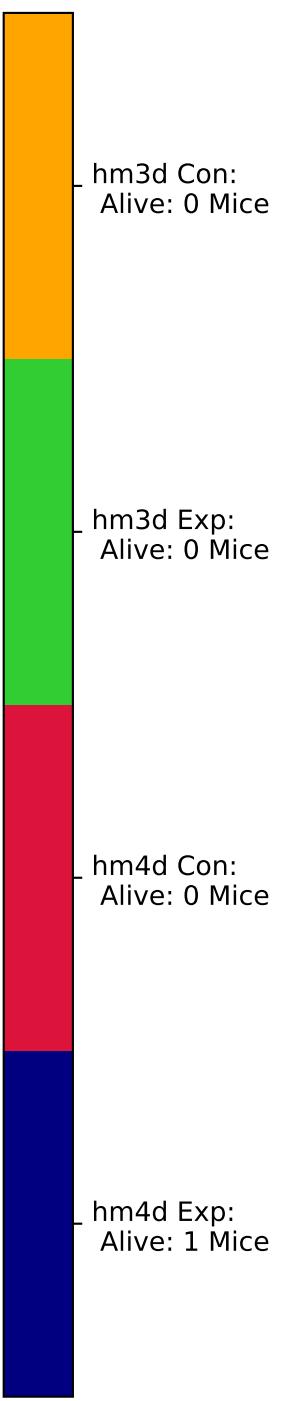
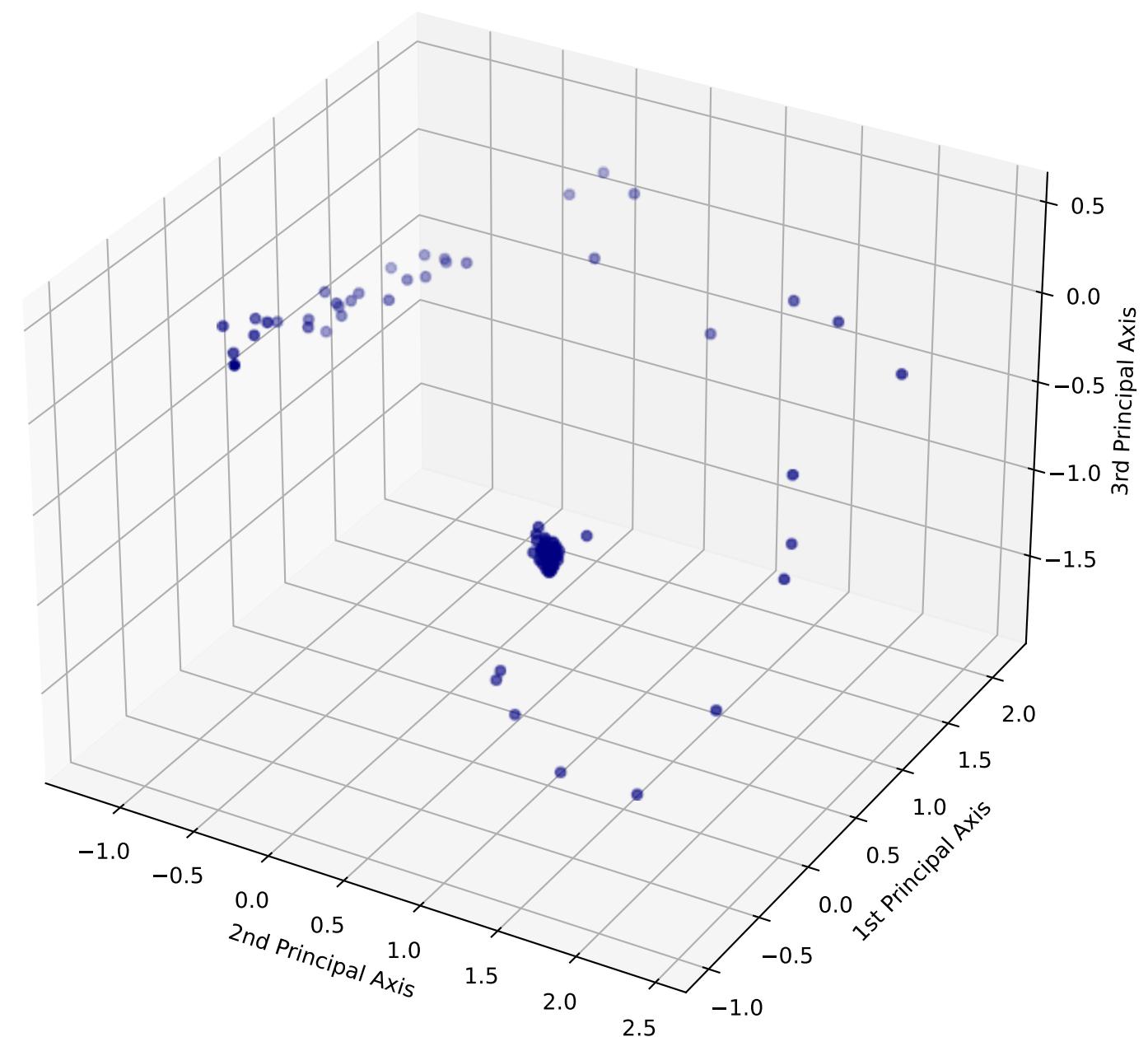
Angle 2



Angle 3

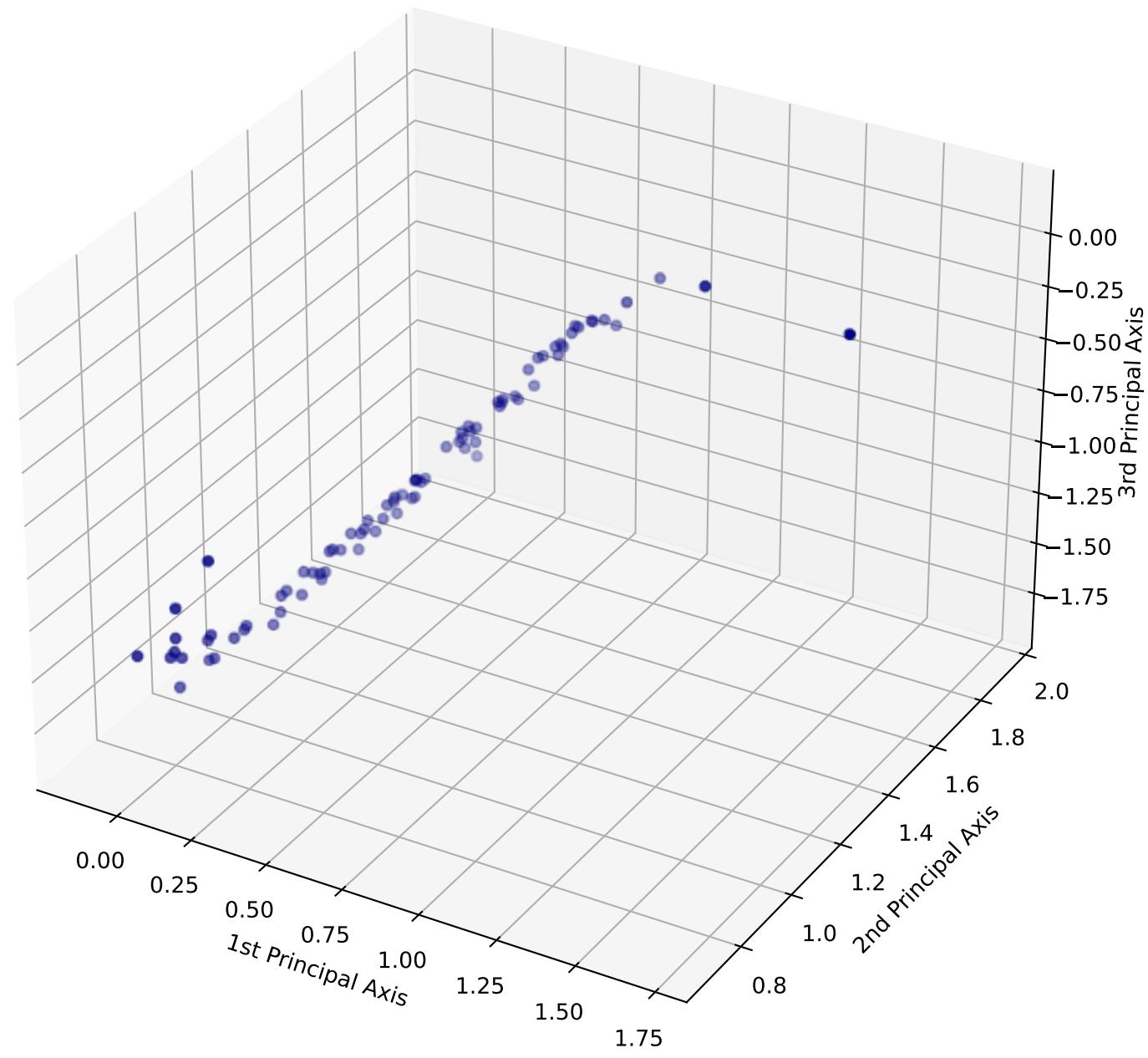


Angle 4

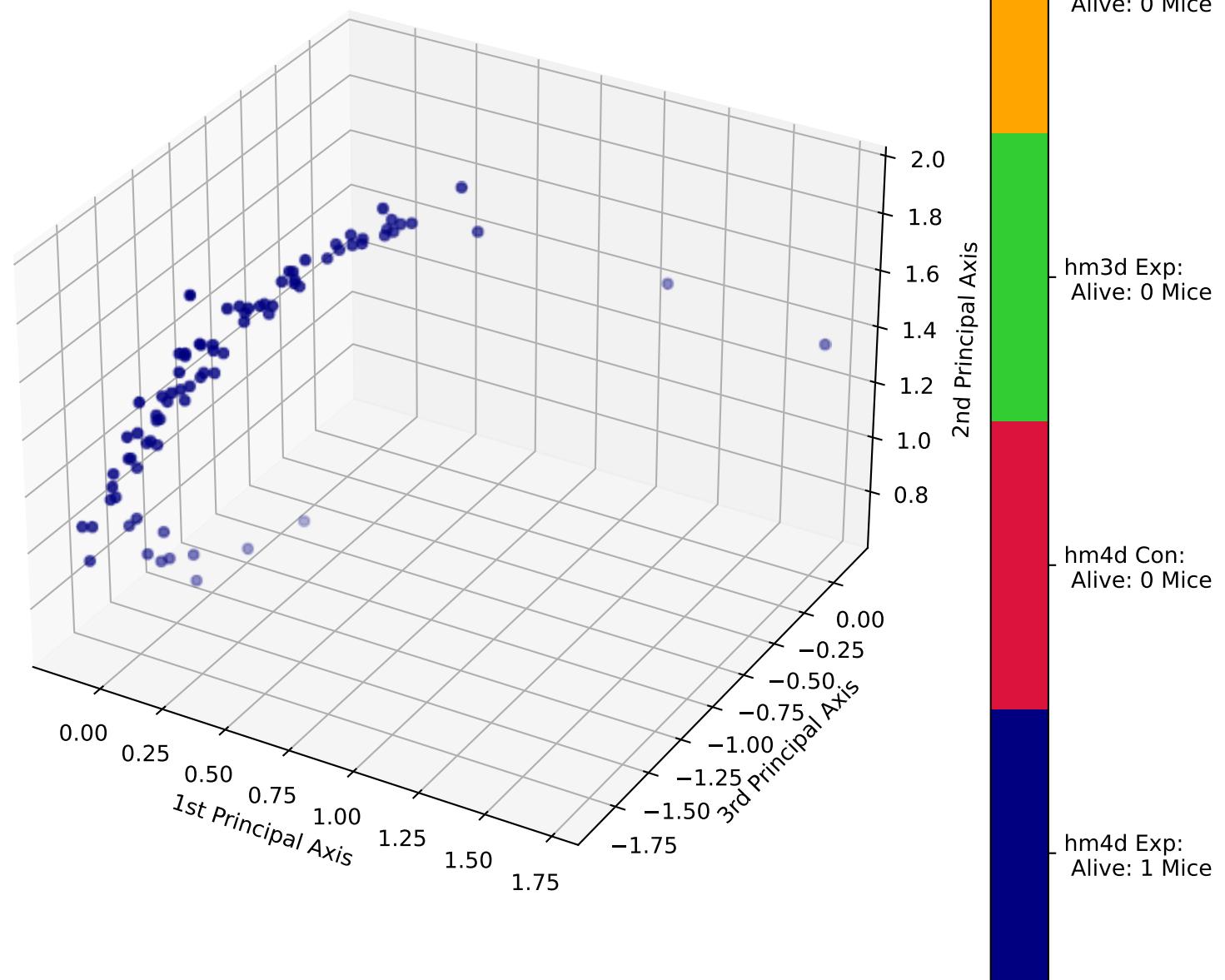


Trial Number: 15, Phase: Trial Onset

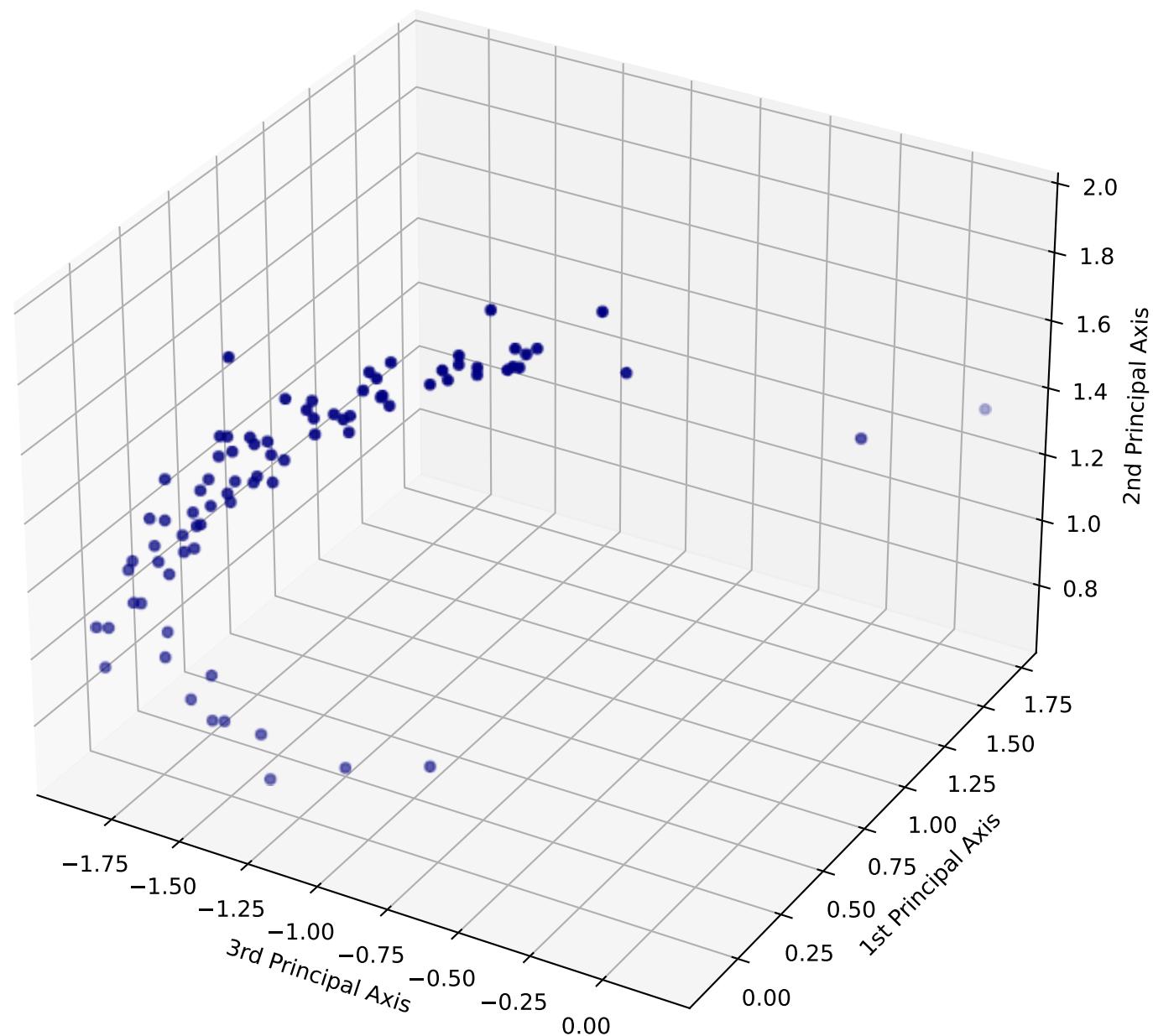
Angle 1



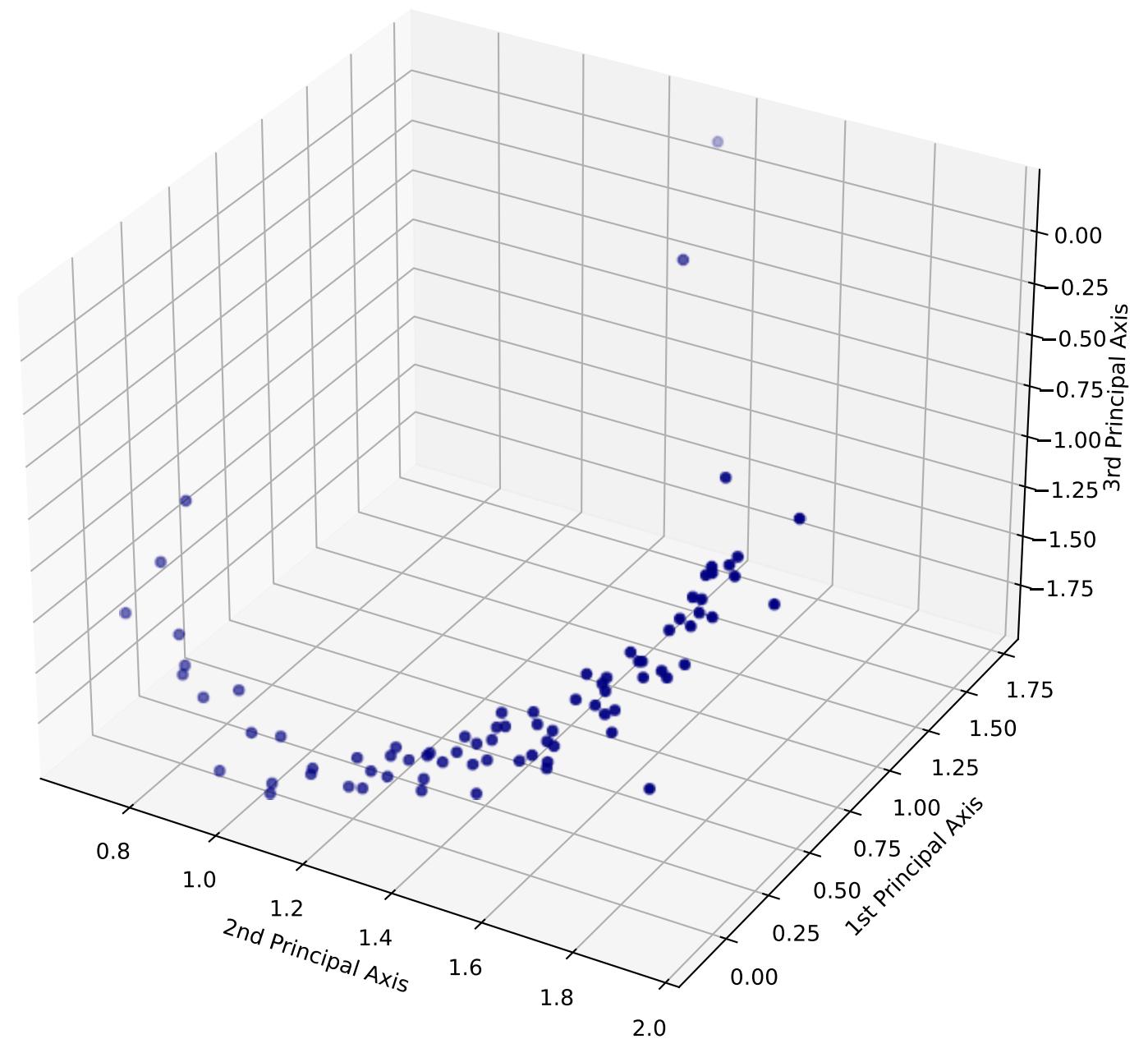
Angle 2



Angle 3

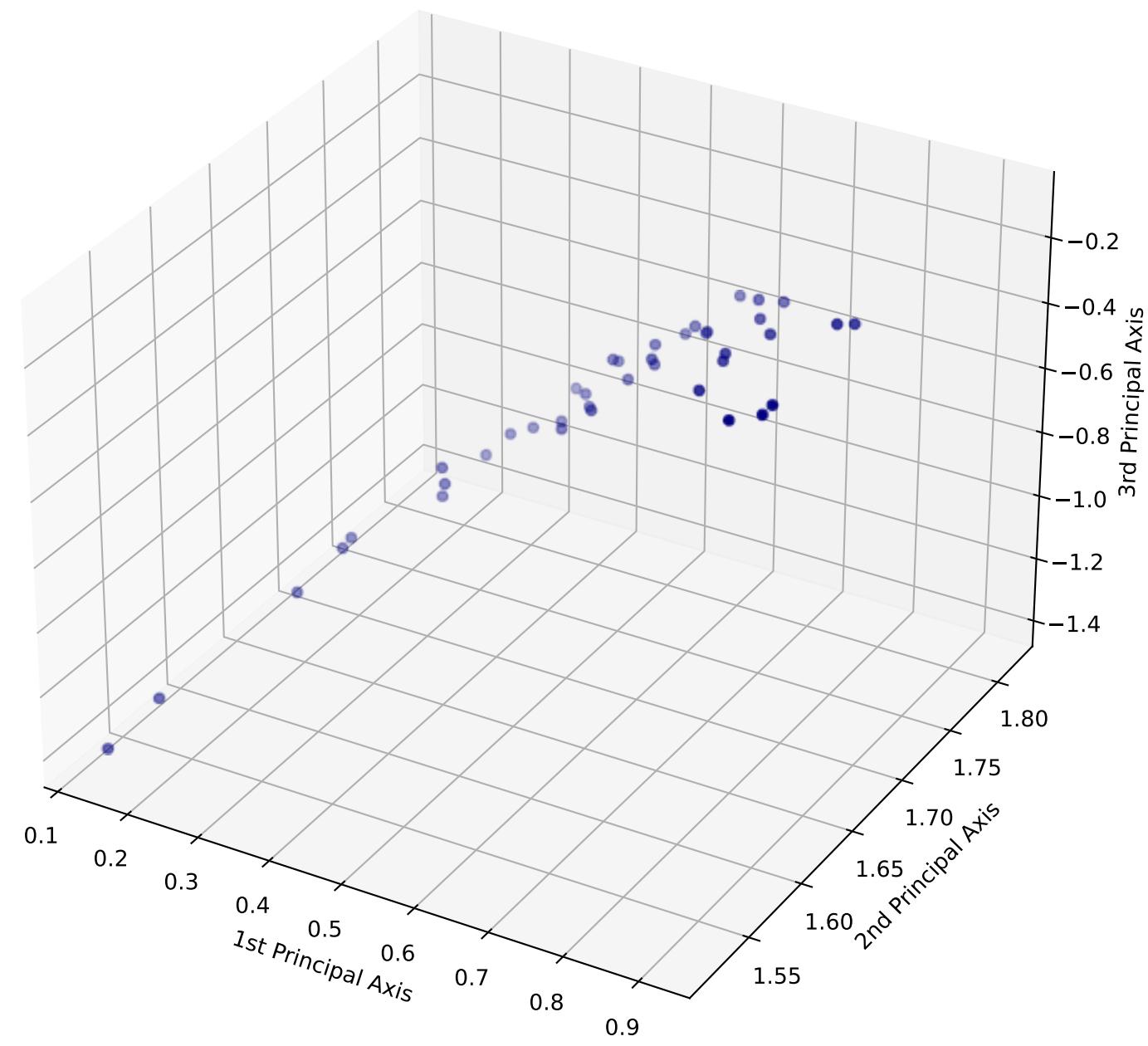


Angle 4

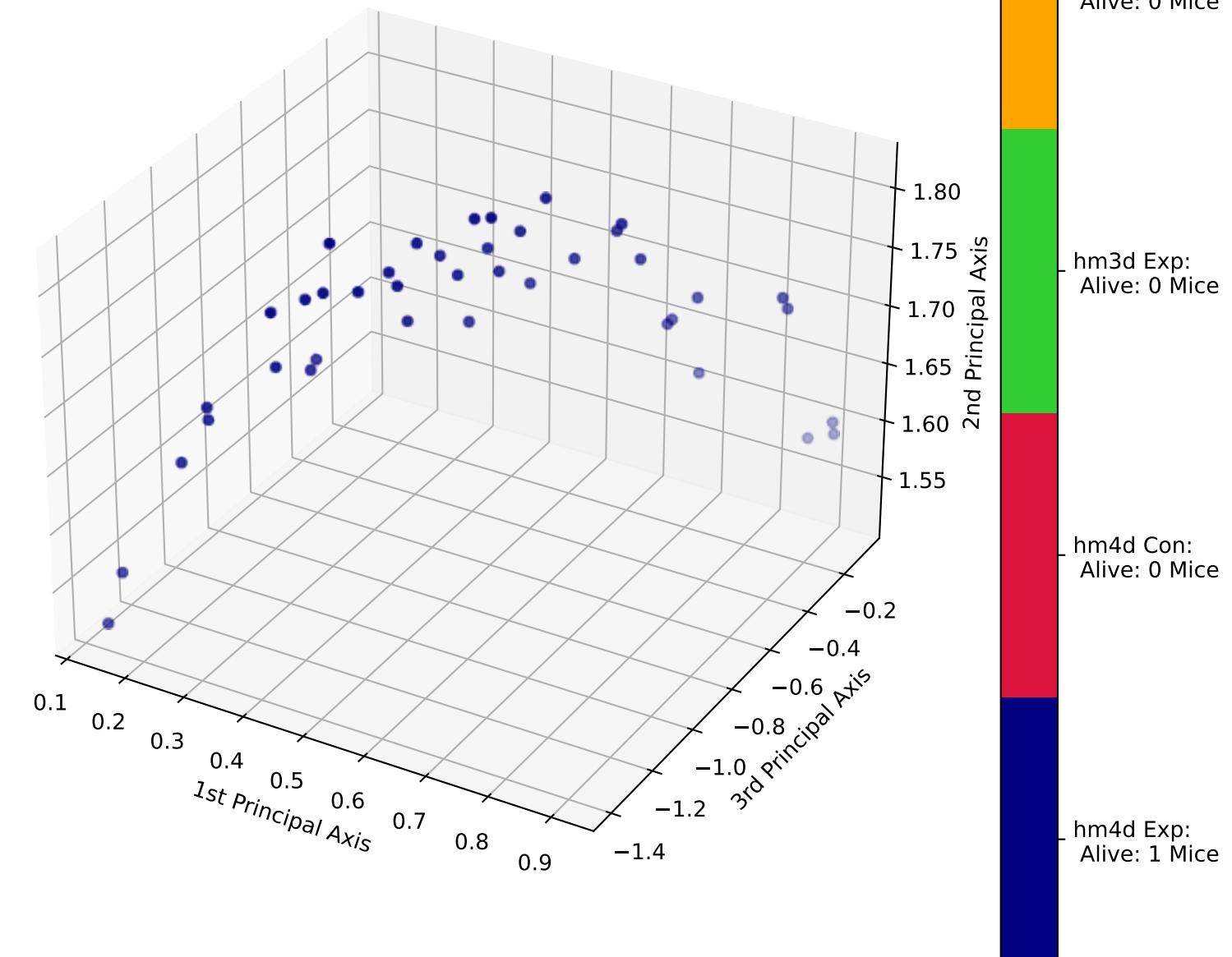


Trial Number: 15, Phase: Apnea Starts

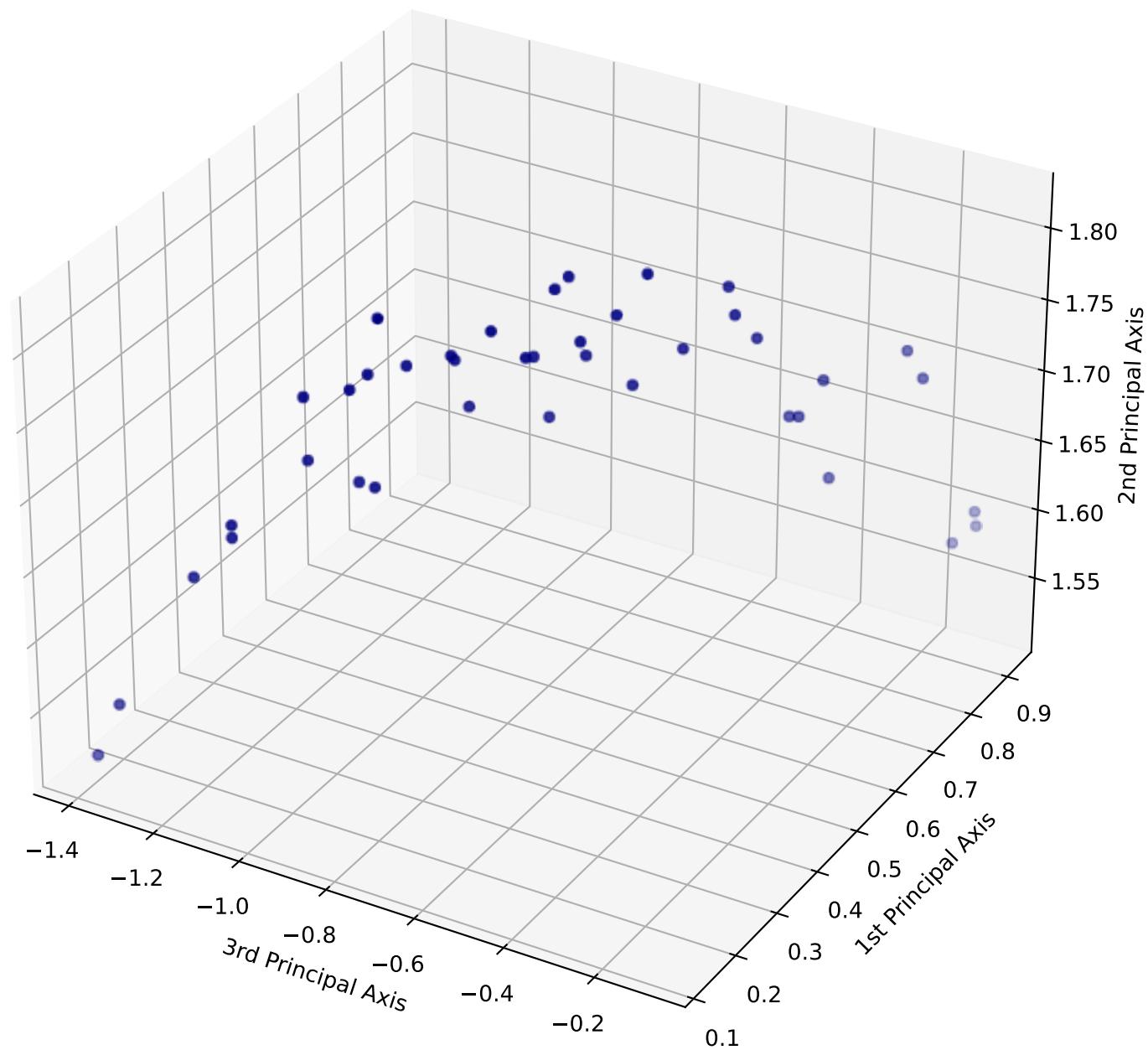
Angle 1



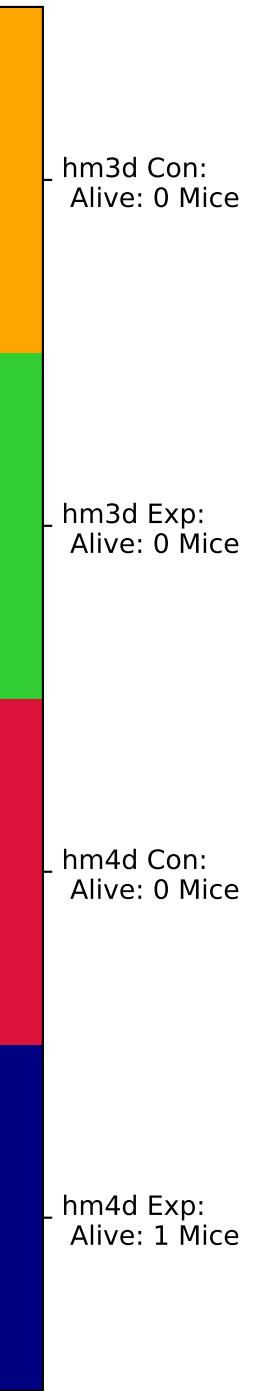
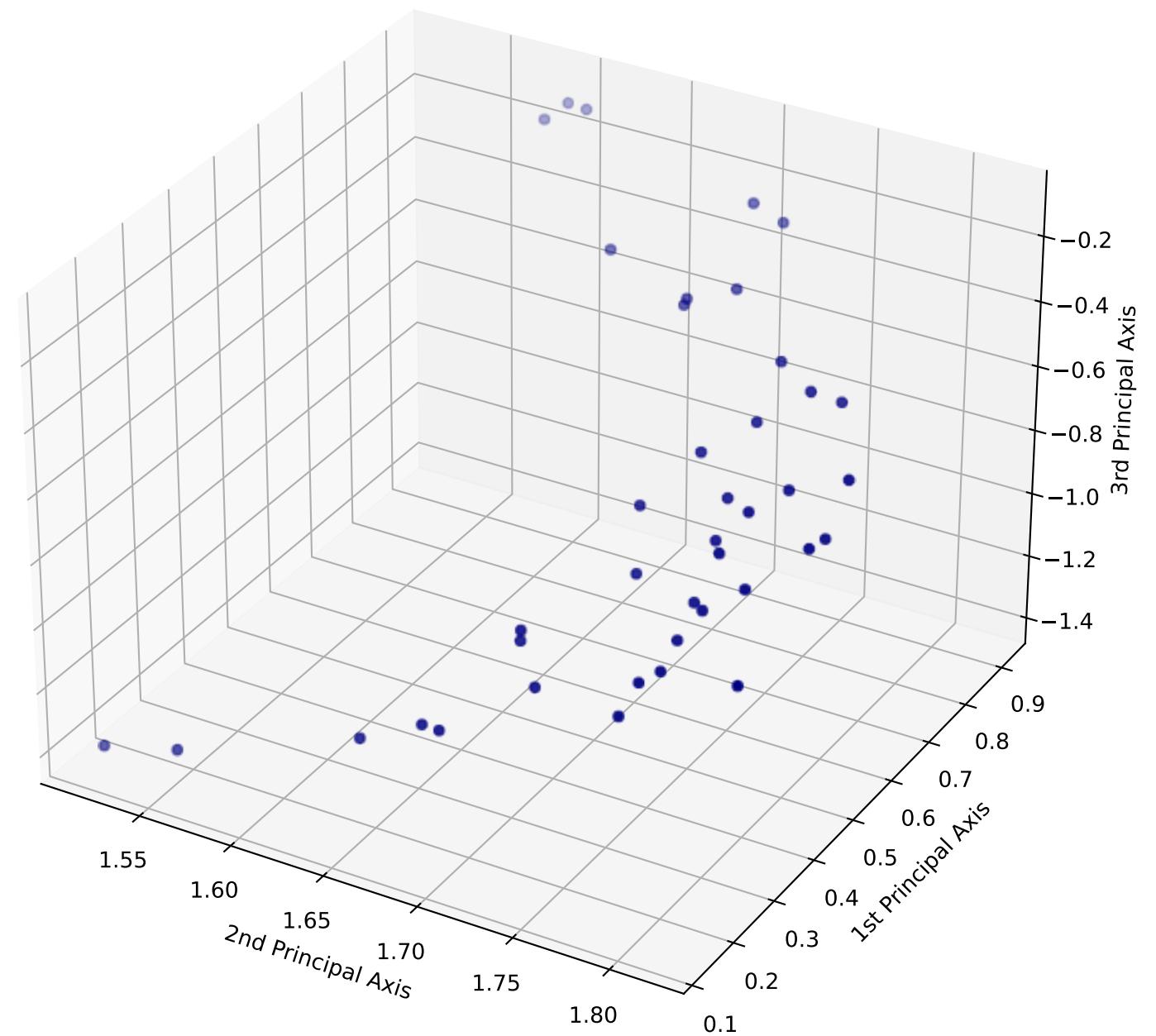
Angle 2



Angle 3

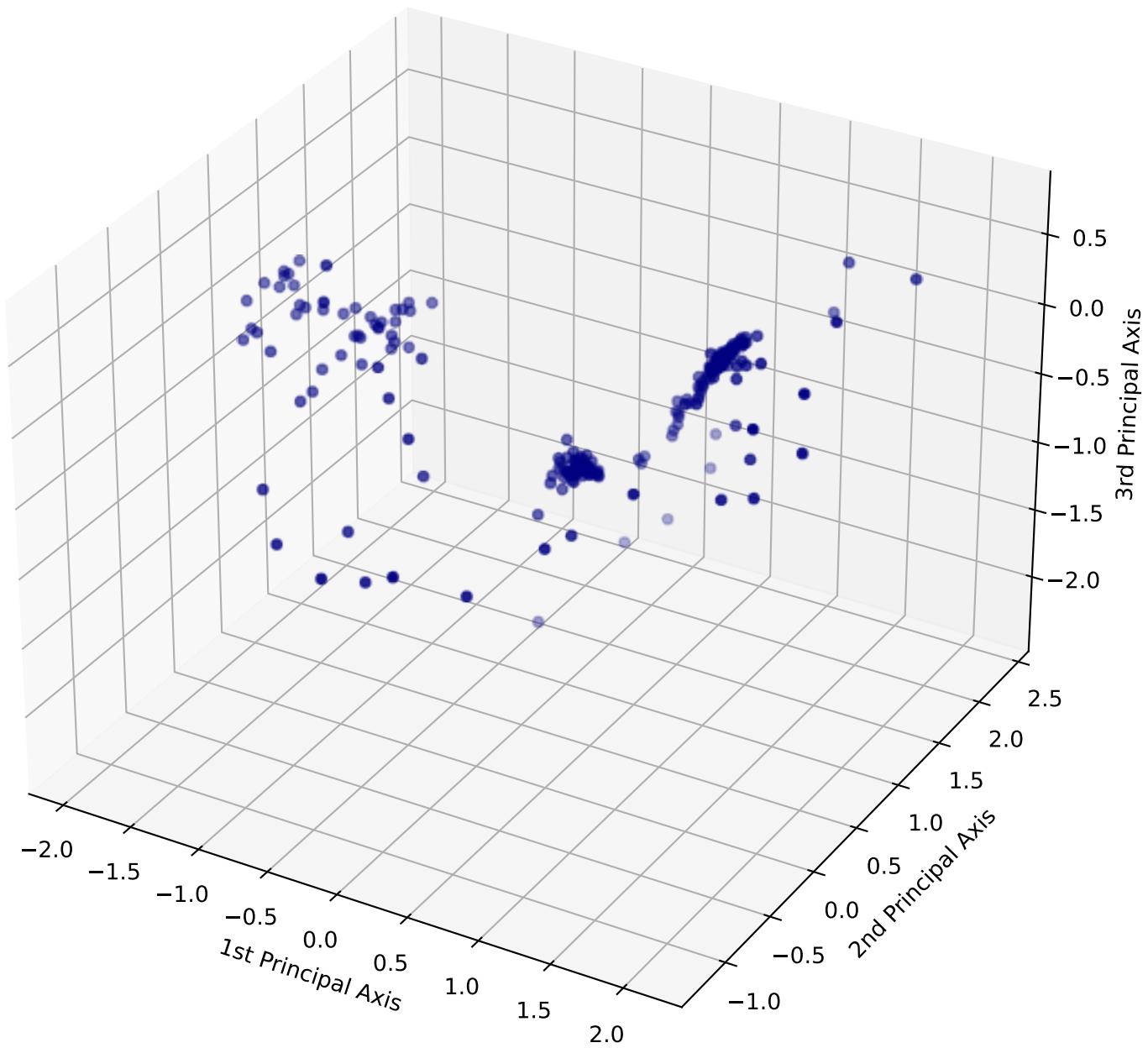


Angle 4

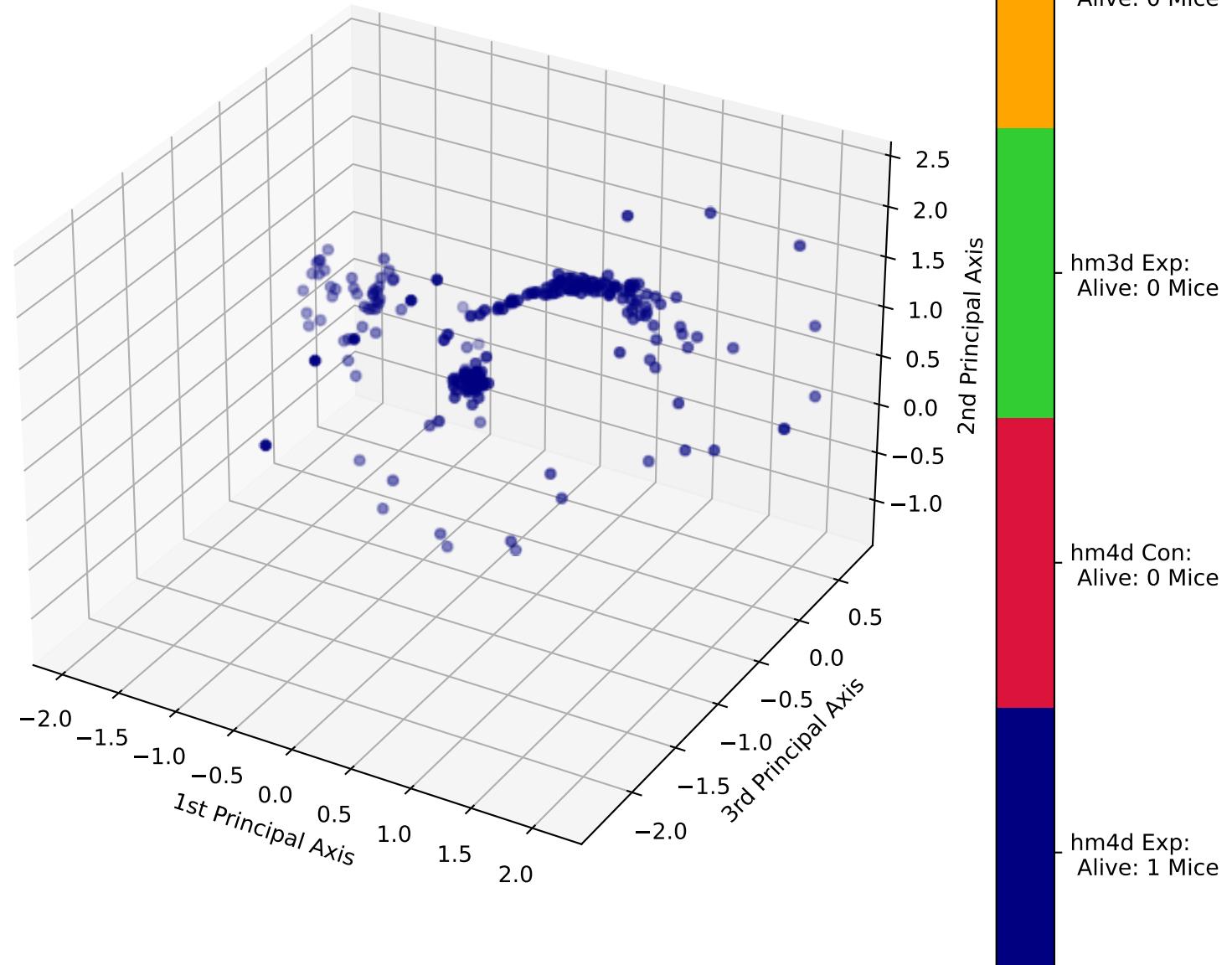


Trial Number: 15, Phase: First Gasp

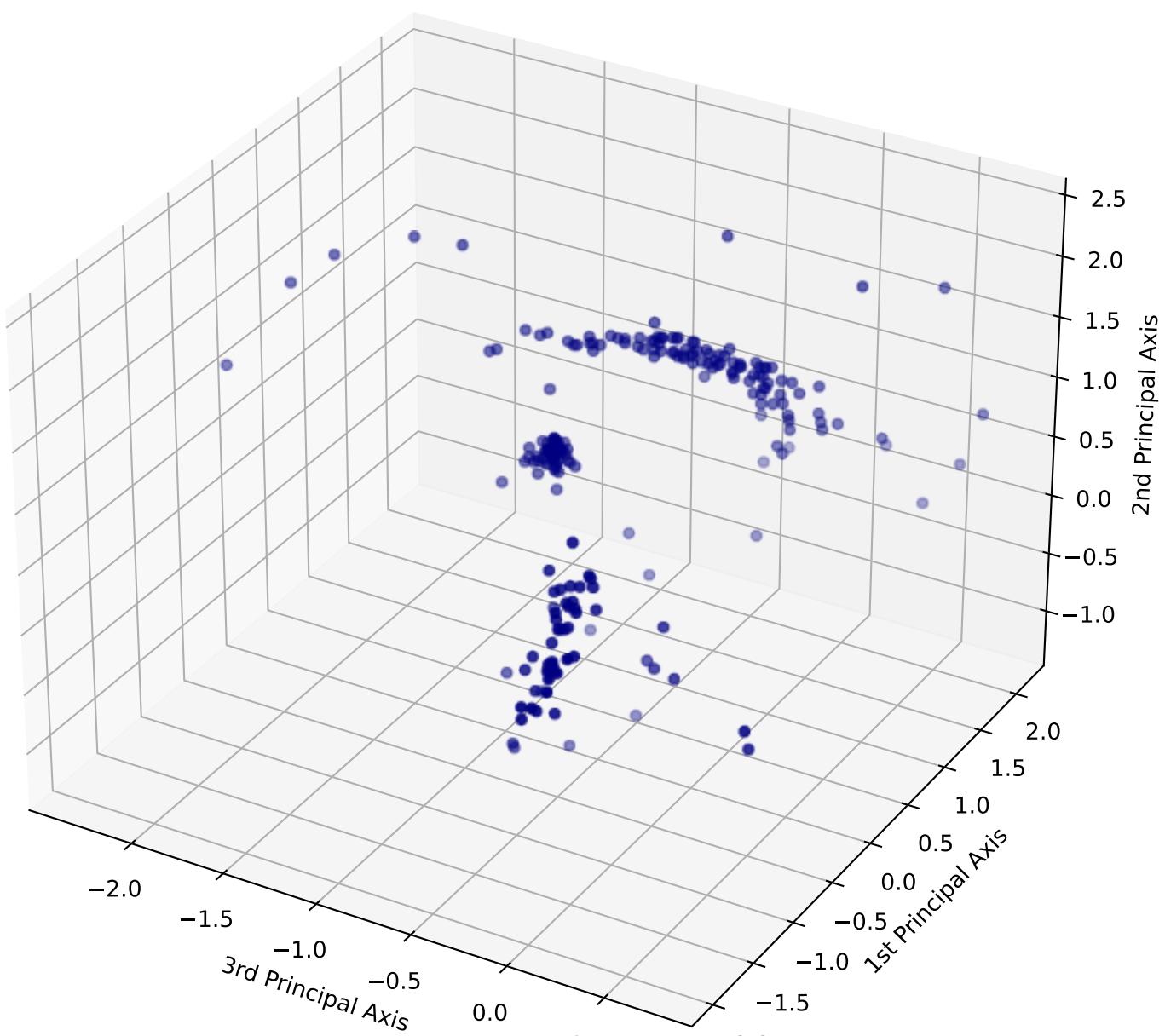
Angle 1



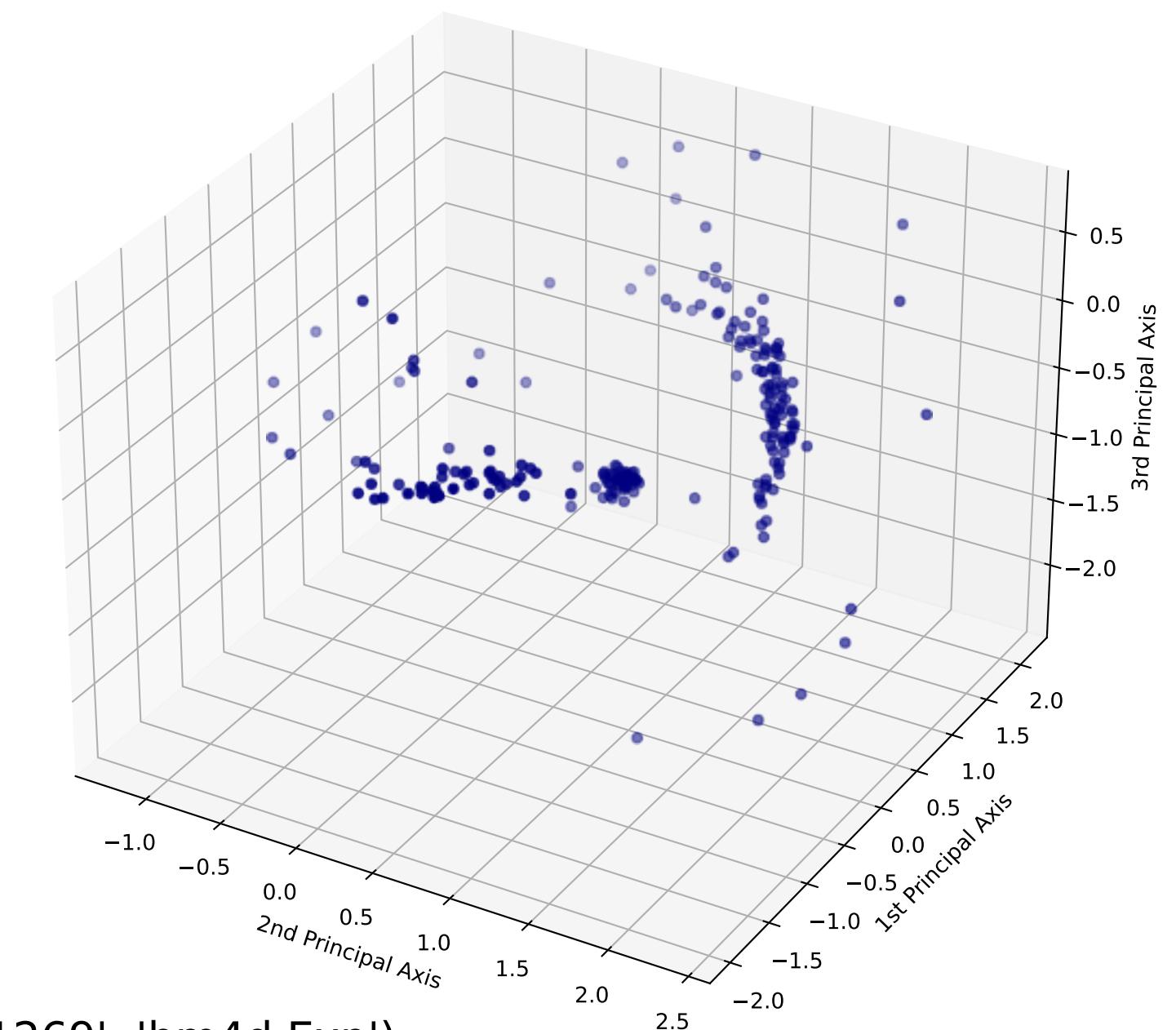
Angle 2



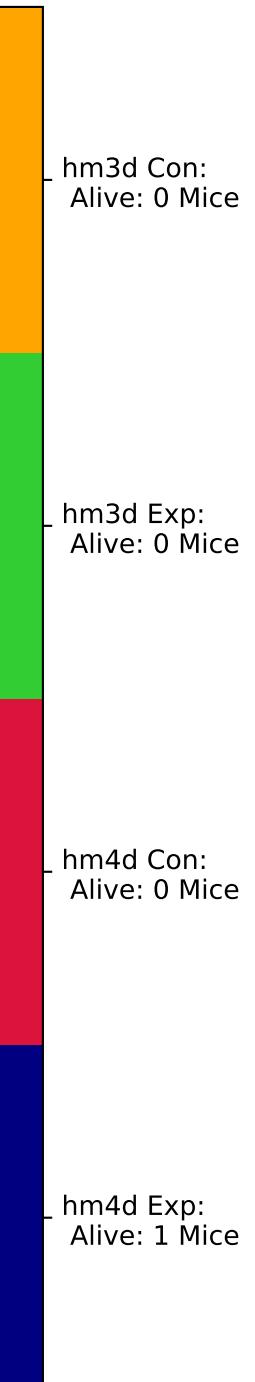
Angle 3



Angle 4

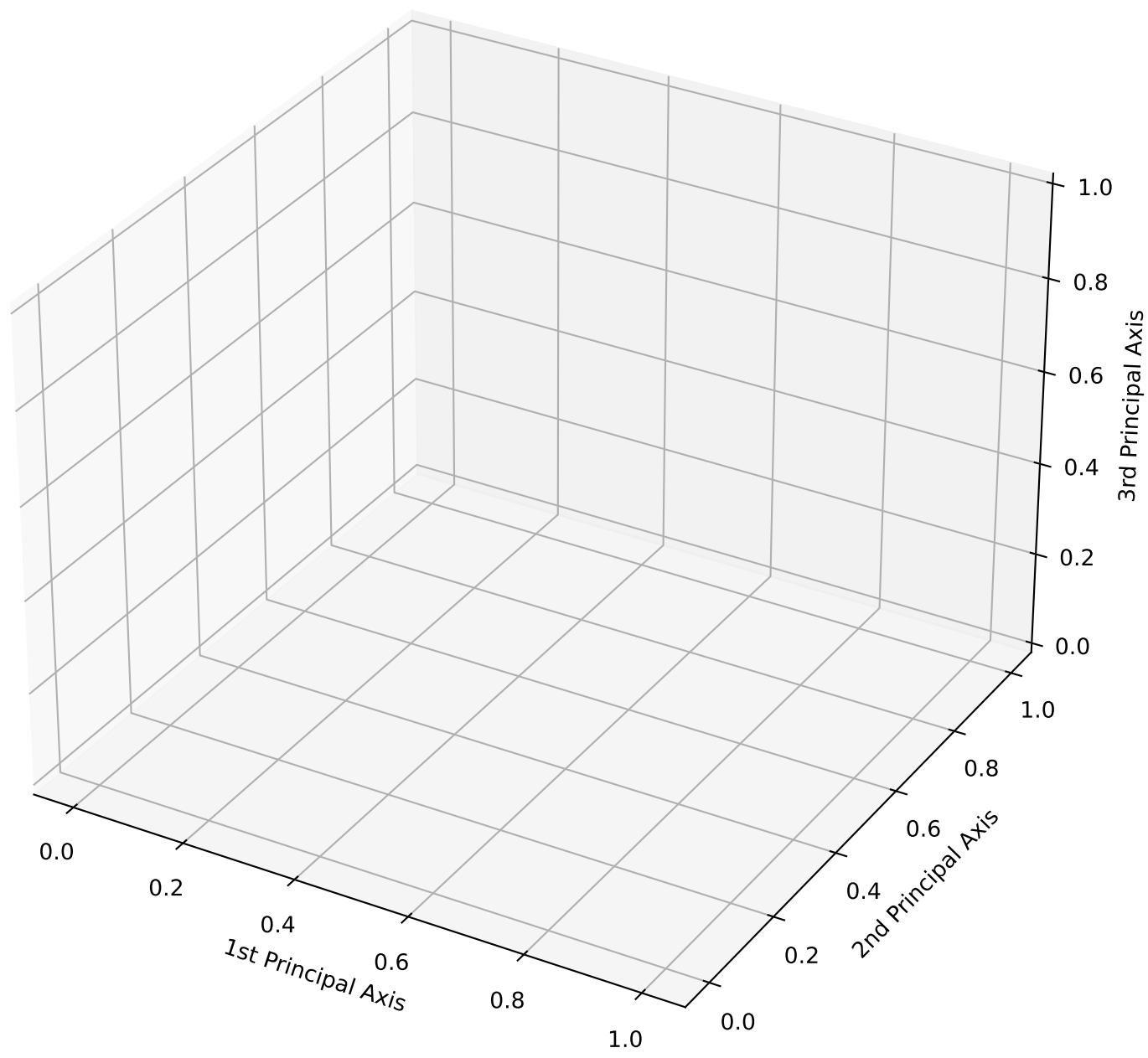


Mice Expired: ('M21269', 'hm4d Exp')

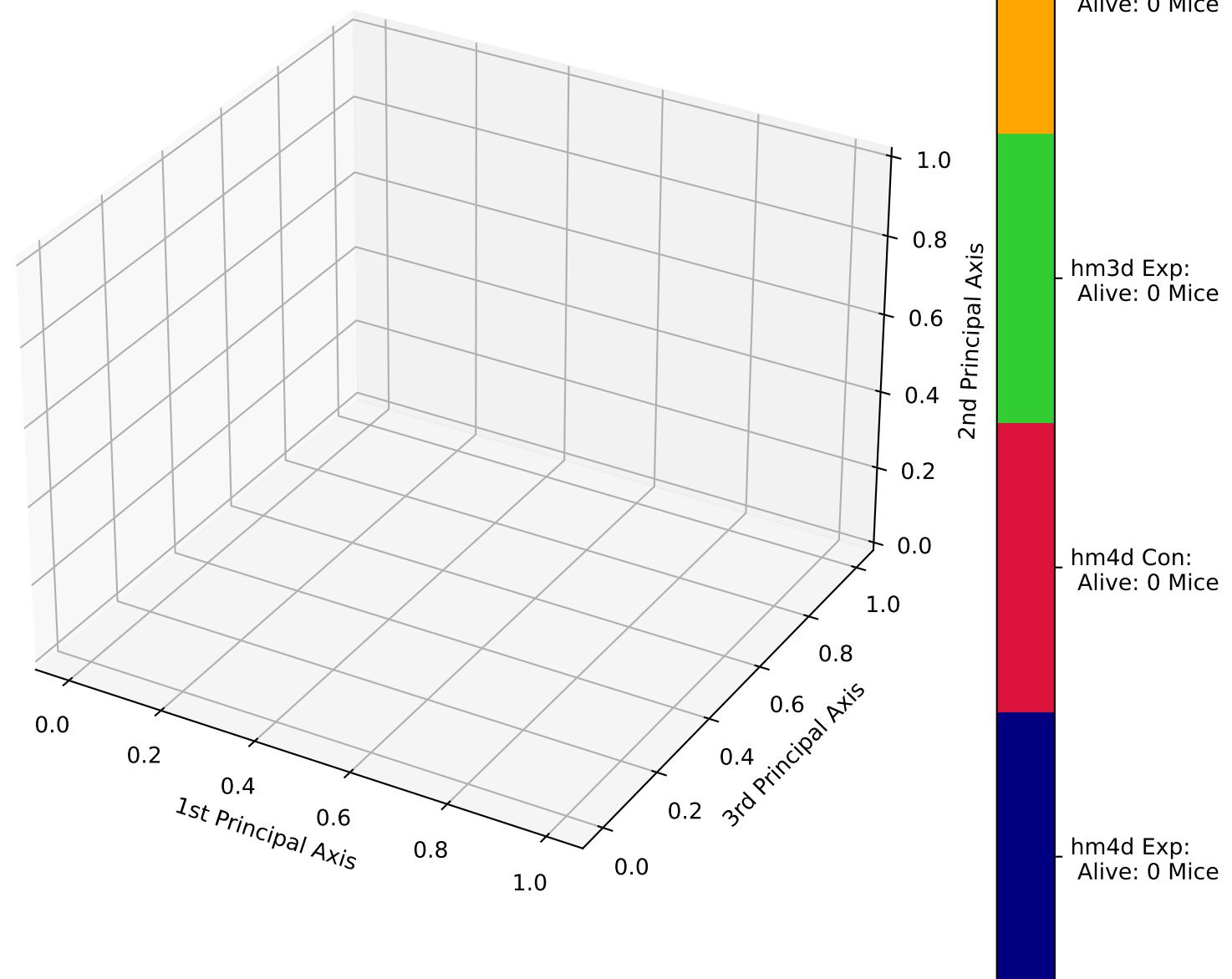


Trial Number: 15, Phase: Eupnea Recovery

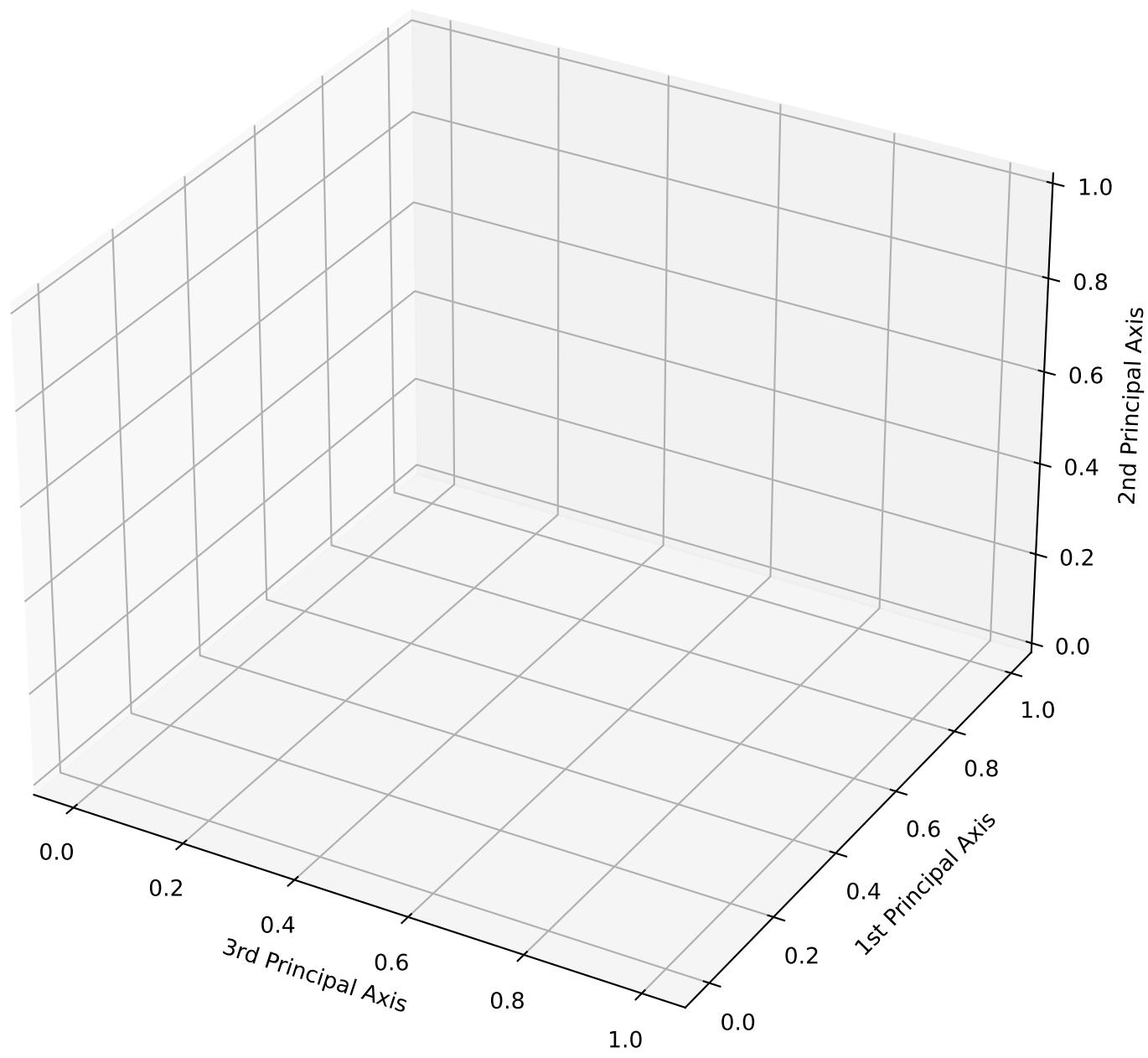
Angle 1



Angle 2



Angle 3



Angle 4

