

```
1 F:\Alexis\pesquisa\cnn_skin_cancer\venv\Scripts\python.exe
  F:/Alexis/pesquisa/cnn_skin_cancer/cnn_2D_model.py
2 Using TensorFlow backend.
3 WARNING:tensorflow:From F:\Alexis\pesquisa\cnn_skin_cancer
  \venv\lib\site-packages\tensorflow\python\framework\
  op_def_library.py:263: colocate_with (from tensorflow.
  python.framework.ops) is deprecated and will be removed in
  a future version.
4 Instructions for updating:
5 Colocations handled automatically by placer.
6 Found 620 images belonging to 2 classes.
7 Found 74 images belonging to 2 classes.
8 WARNING:tensorflow:From F:\Alexis\pesquisa\cnn_skin_cancer
  \venv\lib\site-packages\tensorflow\python\ops\math_ops.py:
  3066: to_int32 (from tensorflow.python.ops.math_ops) is
  deprecated and will be removed in a future version.
9 Instructions for updating:
10 Use tf.cast instead.
11 Epoch 1/10
12
13   1/620 [........................] - ETA: 1:15:32 -
  loss: 0.7132 - acc: 0.4375
14   2/620 [........................] - ETA: 52:24 -
  loss: 2.0308 - acc: 0.4219
15   3/620 [........................] - ETA: 43:42 -
  loss: 1.5875 - acc: 0.3854
16   4/620 [........................] - ETA: 39:06 -
  loss: 1.6341 - acc: 0.3750
17   5/620 [........................] - ETA: 36:17 -
  loss: 1.5073 - acc: 0.4000
18   6/620 [........................] - ETA: 34:10 -
  loss: 1.3868 - acc: 0.4167
19   7/620 [........................] - ETA: 32:38 -
  loss: 1.2924 - acc: 0.4152
20   8/620 [........................] - ETA: 31:24 -
  loss: 1.2172 - acc: 0.4336
21   9/620 [........................] - ETA: 30:26 -
  loss: 1.1590 - acc: 0.4410
22  10/620 [........................] - ETA: 29:42 -
  loss: 1.1122 - acc: 0.4500
23  11/620 [........................] - ETA: 29:12 -
  loss: 1.0746 - acc: 0.4517
24  12/620 [........................] - ETA: 28:45 -
  loss: 1.0437 - acc: 0.4505
25  13/620 [........................] - ETA: 28:18 -
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25 loss: 1.0169 - acc: 0.4519
26 14/620 [.....] - ETA: 28:00 -
    loss: 0.9930 - acc: 0.4688
27 15/620 [.....] - ETA: 27:38 -
    loss: 0.9728 - acc: 0.4729
28 16/620 [.....] - ETA: 27:19 -
    loss: 0.9551 - acc: 0.4766
29 17/620 [.....] - ETA: 27:03 -
    loss: 0.9402 - acc: 0.4743
30 18/620 [.....] - ETA: 26:48 -
    loss: 0.9267 - acc: 0.4722
31 19/620 [.....] - ETA: 26:36 -
    loss: 0.9143 - acc: 0.4770
32 20/620 [.....] - ETA: 25:48 -
    loss: 0.9032 - acc: 0.4781
33 21/620 [>.....] - ETA: 25:37 -
    loss: 0.8933 - acc: 0.4747
34 22/620 [>.....] - ETA: 25:26 -
    loss: 0.8841 - acc: 0.4858
35 23/620 [>.....] - ETA: 25:17 -
    loss: 0.8756 - acc: 0.5014
36 24/620 [>.....] - ETA: 25:08 -
    loss: 0.8679 - acc: 0.5143
37 25/620 [>.....] - ETA: 25:01 -
    loss: 0.8608 - acc: 0.5175
38 26/620 [>.....] - ETA: 24:54 -
    loss: 0.8542 - acc: 0.5252
39 27/620 [>.....] - ETA: 24:55 -
    loss: 0.8481 - acc: 0.5266
40 28/620 [>.....] - ETA: 24:56 -
    loss: 0.8424 - acc: 0.5290
41 29/620 [>.....] - ETA: 24:47 -
    loss: 0.8372 - acc: 0.5269
42 30/620 [>.....] - ETA: 24:39 -
    loss: 0.8322 - acc: 0.5302
43 31/620 [>.....] - ETA: 24:35 -
    loss: 0.8276 - acc: 0.5312
44 32/620 [>.....] - ETA: 24:29 -
    loss: 0.8232 - acc: 0.5352
45 33/620 [>.....] - ETA: 24:25 -
    loss: 0.8191 - acc: 0.5360
46 34/620 [>.....] - ETA: 24:21 -
    loss: 0.8150 - acc: 0.5414
47 35/620 [>.....] - ETA: 24:15 -
    loss: 0.8112 - acc: 0.5464
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48 36/620 [>.....] - ETA: 24:11 -
    loss: 0.8072 - acc: 0.5530
49 37/620 [>.....] - ETA: 24:05 -
    loss: 0.8039 - acc: 0.5532
50 38/620 [>.....] - ETA: 24:00 -
    loss: 0.8007 - acc: 0.5567
51 39/620 [>.....] - ETA: 23:56 -
    loss: 0.7971 - acc: 0.5633
52 40/620 [>.....] - ETA: 23:34 -
    loss: 0.7936 - acc: 0.5617
53 41/620 [>.....] - ETA: 23:34 -
    loss: 0.7901 - acc: 0.5648
54 42/620 [=>.....] - ETA: 23:31 -
    loss: 0.7869 - acc: 0.5655
55 43/620 [=>.....] - ETA: 23:27 -
    loss: 0.7862 - acc: 0.5610
56 44/620 [=>.....] - ETA: 23:25 -
    loss: 0.7827 - acc: 0.5646
57 45/620 [=>.....] - ETA: 23:20 -
    loss: 0.7797 - acc: 0.5681
58 46/620 [=>.....] - ETA: 23:17 -
    loss: 0.7770 - acc: 0.5713
59 47/620 [=>.....] - ETA: 23:13 -
    loss: 0.7755 - acc: 0.5678
60 48/620 [=>.....] - ETA: 23:09 -
    loss: 0.7724 - acc: 0.5710
61 49/620 [=>.....] - ETA: 23:05 -
    loss: 0.7703 - acc: 0.5721
62 50/620 [=>.....] - ETA: 23:02 -
    loss: 0.7689 - acc: 0.5700
63 51/620 [=>.....] - ETA: 22:59 -
    loss: 0.7671 - acc: 0.5705
64 52/620 [=>.....] - ETA: 22:55 -
    loss: 0.7646 - acc: 0.5727
65 53/620 [=>.....] - ETA: 22:52 -
    loss: 0.7611 - acc: 0.5755
66 54/620 [=>.....] - ETA: 22:53 -
    loss: 0.7590 - acc: 0.5741
67 55/620 [=>.....] - ETA: 22:50 -
    loss: 0.7559 - acc: 0.5750
68 56/620 [=>.....] - ETA: 22:46 -
    loss: 0.7545 - acc: 0.5737
69 57/620 [=>.....] - ETA: 22:42 -
    loss: 0.7523 - acc: 0.5751
70 58/620 [=>.....] - ETA: 22:40 -
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70 loss: 0.7501 - acc: 0.5760
71 59/620 [=>.....] - ETA: 22:36 -
    loss: 0.7486 - acc: 0.5768
72 60/620 [=>.....] - ETA: 22:22 -
    loss: 0.7460 - acc: 0.5783
73 61/620 [=>.....] - ETA: 22:19 -
    loss: 0.7439 - acc: 0.5791
74 62/620 [==>.....] - ETA: 22:16 -
    loss: 0.7419 - acc: 0.5808
75 63/620 [==>.....] - ETA: 22:12 -
    loss: 0.7395 - acc: 0.5815
76 64/620 [==>.....] - ETA: 22:09 -
    loss: 0.7370 - acc: 0.5827
77 65/620 [==>.....] - ETA: 22:06 -
    loss: 0.7358 - acc: 0.5814
78 66/620 [==>.....] - ETA: 22:02 -
    loss: 0.7333 - acc: 0.5821
79 67/620 [==>.....] - ETA: 22:00 -
    loss: 0.7320 - acc: 0.5832
80 68/620 [==>.....] - ETA: 21:57 -
    loss: 0.7296 - acc: 0.5833
81 69/620 [==>.....] - ETA: 21:53 -
    loss: 0.7299 - acc: 0.5812
82 70/620 [==>.....] - ETA: 21:51 -
    loss: 0.7275 - acc: 0.5841
83 71/620 [==>.....] - ETA: 21:48 -
    loss: 0.7260 - acc: 0.5842
84 72/620 [==>.....] - ETA: 21:45 -
    loss: 0.7235 - acc: 0.5861
85 73/620 [==>.....] - ETA: 21:42 -
    loss: 0.7230 - acc: 0.5875
86 74/620 [==>.....] - ETA: 21:39 -
    loss: 0.7216 - acc: 0.5880
87 75/620 [==>.....] - ETA: 21:36 -
    loss: 0.7214 - acc: 0.5876
88 76/620 [==>.....] - ETA: 21:33 -
    loss: 0.7194 - acc: 0.5898
89 77/620 [==>.....] - ETA: 21:31 -
    loss: 0.7179 - acc: 0.5919
90 78/620 [==>.....] - ETA: 21:28 -
    loss: 0.7157 - acc: 0.5939
91 79/620 [==>.....] - ETA: 21:28 -
    loss: 0.7148 - acc: 0.5931
92 80/620 [==>.....] - ETA: 21:18 -
    loss: 0.7112 - acc: 0.5961
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93  81/620 [==>.....] - ETA: 21:16 -
    loss: 0.7100 - acc: 0.5965
94  82/620 [==>.....] - ETA: 21:14 -
    loss: 0.7081 - acc: 0.5995
95  83/620 [==>.....] - ETA: 21:11 -
    loss: 0.7069 - acc: 0.5998
96  84/620 [==>.....] - ETA: 21:08 -
    loss: 0.7055 - acc: 0.6012
97  85/620 [==>.....] - ETA: 21:06 -
    loss: 0.7060 - acc: 0.6007
98  86/620 [==>.....] - ETA: 21:04 -
    loss: 0.7044 - acc: 0.6028
99  87/620 [==>.....] - ETA: 21:01 -
    loss: 0.7021 - acc: 0.6038
100 88/620 [==>.....] - ETA: 20:58 -
    loss: 0.7011 - acc: 0.6048
101 89/620 [==>.....] - ETA: 20:55 -
    loss: 0.6999 - acc: 0.6057
102 90/620 [==>.....] - ETA: 20:53 -
    loss: 0.7000 - acc: 0.6056
103 91/620 [==>.....] - ETA: 20:50 -
    loss: 0.6985 - acc: 0.6071
104 92/620 [==>.....] - ETA: 20:47 -
    loss: 0.6969 - acc: 0.6090
105 93/620 [==>.....] - ETA: 20:45 -
    loss: 0.6958 - acc: 0.6102
106 94/620 [==>.....] - ETA: 20:44 -
    loss: 0.6938 - acc: 0.6124
107 95/620 [==>.....] - ETA: 20:42 -
    loss: 0.6924 - acc: 0.6135
108 96/620 [==>.....] - ETA: 20:39 -
    loss: 0.6910 - acc: 0.6143
109 97/620 [==>.....] - ETA: 20:37 -
    loss: 0.6904 - acc: 0.6150
110 98/620 [==>.....] - ETA: 20:34 -
    loss: 0.6898 - acc: 0.6158
111 99/620 [==>.....] - ETA: 20:32 -
    loss: 0.6882 - acc: 0.6171
112 100/620 [==>.....] - ETA: 20:23 -
    loss: 0.6872 - acc: 0.6176
113 101/620 [==>.....] - ETA: 20:20 -
    loss: 0.6868 - acc: 0.6171
114 102/620 [==>.....] - ETA: 20:18 -
    loss: 0.6847 - acc: 0.6190
115 103/620 [==>.....] - ETA: 20:15 -
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115 loss: 0.6841 - acc: 0.6193
116 104/620 [=====>.....] - ETA: 20:13 -
    loss: 0.6829 - acc: 0.6209
117 105/620 [=====>.....] - ETA: 20:11 -
    loss: 0.6812 - acc: 0.6230
118 106/620 [=====>.....] - ETA: 20:09 -
    loss: 0.6799 - acc: 0.6242
119 107/620 [=====>.....] - ETA: 20:07 -
    loss: 0.6781 - acc: 0.6260
120 108/620 [=====>.....] - ETA: 20:07 -
    loss: 0.6771 - acc: 0.6268
121 109/620 [=====>.....] - ETA: 20:04 -
    loss: 0.6772 - acc: 0.6262
122 110/620 [=====>.....] - ETA: 20:01 -
    loss: 0.6777 - acc: 0.6259
123 111/620 [=====>.....] - ETA: 19:59 -
    loss: 0.6782 - acc: 0.6254
124 112/620 [=====>.....] - ETA: 19:56 -
    loss: 0.6771 - acc: 0.6259
125 113/620 [=====>.....] - ETA: 19:54 -
    loss: 0.6759 - acc: 0.6265
126 114/620 [=====>.....] - ETA: 19:51 -
    loss: 0.6744 - acc: 0.6276
127 115/620 [=====>.....] - ETA: 19:49 -
    loss: 0.6736 - acc: 0.6281
128 116/620 [=====>.....] - ETA: 19:46 -
    loss: 0.6723 - acc: 0.6286
129 117/620 [=====>.....] - ETA: 19:44 -
    loss: 0.6728 - acc: 0.6278
130 118/620 [=====>.....] - ETA: 19:41 -
    loss: 0.6705 - acc: 0.6293
131 119/620 [=====>.....] - ETA: 19:39 -
    loss: 0.6693 - acc: 0.6311
132 120/620 [=====>.....] - ETA: 19:31 -
    loss: 0.6690 - acc: 0.6314
133 121/620 [=====>.....] - ETA: 19:29 -
    loss: 0.6682 - acc: 0.6327
134 122/620 [=====>.....] - ETA: 19:27 -
    loss: 0.6684 - acc: 0.6321
135 123/620 [=====>.....] - ETA: 19:24 -
    loss: 0.6675 - acc: 0.6328
136 124/620 [=====>.....] - ETA: 19:22 -
    loss: 0.6663 - acc: 0.6335
137 125/620 [=====>.....] - ETA: 19:19 -
    loss: 0.6651 - acc: 0.6342
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138 126/620 [=====>.....] - ETA: 19:17 -
    loss: 0.6634 - acc: 0.6358
139 127/620 [=====>.....] - ETA: 19:15 -
    loss: 0.6626 - acc: 0.6365
140 128/620 [=====>.....] - ETA: 19:13 -
    loss: 0.6621 - acc: 0.6371
141 129/620 [=====>.....] - ETA: 19:10 -
    loss: 0.6614 - acc: 0.6368
142 130/620 [=====>.....] - ETA: 19:07 -
    loss: 0.6603 - acc: 0.6377
143 131/620 [=====>.....] - ETA: 19:05 -
    loss: 0.6604 - acc: 0.6376
144 132/620 [=====>.....] - ETA: 19:04 -
    loss: 0.6583 - acc: 0.6389
145 133/620 [=====>.....] - ETA: 19:02 -
    loss: 0.6584 - acc: 0.6393
146 134/620 [=====>.....] - ETA: 19:00 -
    loss: 0.6591 - acc: 0.6389
147 135/620 [=====>.....] - ETA: 18:58 -
    loss: 0.6578 - acc: 0.6404
148 136/620 [=====>.....] - ETA: 18:55 -
    loss: 0.6583 - acc: 0.6401
149 137/620 [=====>.....] - ETA: 18:53 -
    loss: 0.6573 - acc: 0.6413
150 138/620 [=====>.....] - ETA: 18:51 -
    loss: 0.6568 - acc: 0.6412
151 139/620 [=====>.....] - ETA: 18:48 -
    loss: 0.6560 - acc: 0.6422
152 140/620 [=====>.....] - ETA: 18:42 -
    loss: 0.6548 - acc: 0.6436
153 141/620 [=====>.....] - ETA: 18:39 -
    loss: 0.6539 - acc: 0.6439
154 142/620 [=====>.....] - ETA: 18:37 -
    loss: 0.6536 - acc: 0.6444
155 143/620 [=====>.....] - ETA: 18:34 -
    loss: 0.6527 - acc: 0.6445
156 144/620 [=====>.....] - ETA: 18:32 -
    loss: 0.6523 - acc: 0.6448
157 145/620 [=====>.....] - ETA: 18:29 -
    loss: 0.6511 - acc: 0.6458
158 146/620 [=====>.....] - ETA: 18:27 -
    loss: 0.6504 - acc: 0.6465
159 147/620 [=====>.....] - ETA: 18:25 -
    loss: 0.6495 - acc: 0.6474
160 148/620 [=====>.....] - ETA: 18:23 -
```

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160 loss: 0.6494 - acc: 0.6479
161 149/620 [=====>.....] - ETA: 18:20 -
    loss: 0.6484 - acc: 0.6488
162 150/620 [=====>.....] - ETA: 18:18 -
    loss: 0.6491 - acc: 0.6480
163 151/620 [=====>.....] - ETA: 18:15 -
    loss: 0.6486 - acc: 0.6478
164 152/620 [=====>.....] - ETA: 18:13 -
    loss: 0.6470 - acc: 0.6495
165 153/620 [=====>.....] - ETA: 18:11 -
    loss: 0.6467 - acc: 0.6494
166 154/620 [=====>.....] - ETA: 18:08 -
    loss: 0.6457 - acc: 0.6502
167 155/620 [=====>.....] - ETA: 18:06 -
    loss: 0.6453 - acc: 0.6509
168 156/620 [=====>.....] - ETA: 18:03 -
    loss: 0.6449 - acc: 0.6515
169 157/620 [=====>.....] - ETA: 18:01 -
    loss: 0.6443 - acc: 0.6517
170 158/620 [=====>.....] - ETA: 17:59 -
    loss: 0.6439 - acc: 0.6522
171 159/620 [=====>.....] - ETA: 17:56 -
    loss: 0.6431 - acc: 0.6524
172 160/620 [=====>.....] - ETA: 17:51 -
    loss: 0.6435 - acc: 0.6514
173 161/620 [=====>.....] - ETA: 17:49 -
    loss: 0.6428 - acc: 0.6520
174 162/620 [=====>.....] - ETA: 17:47 -
    loss: 0.6421 - acc: 0.6525
175 163/620 [=====>.....] - ETA: 17:45 -
    loss: 0.6422 - acc: 0.6521
176 164/620 [=====>.....] - ETA: 17:42 -
    loss: 0.6415 - acc: 0.6525
177 165/620 [=====>.....] - ETA: 17:40 -
    loss: 0.6403 - acc: 0.6529
178 166/620 [=====>.....] - ETA: 17:37 -
    loss: 0.6395 - acc: 0.6535
179 167/620 [=====>.....] - ETA: 17:35 -
    loss: 0.6381 - acc: 0.6550
180 168/620 [=====>.....] - ETA: 17:33 -
    loss: 0.6376 - acc: 0.6556
181 169/620 [=====>.....] - ETA: 17:30 -
    loss: 0.6379 - acc: 0.6556
182 170/620 [=====>.....] - ETA: 17:28 -
    loss: 0.6370 - acc: 0.6565
```

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183 171/620 [=====>.....] - ETA: 17:25 -
    loss: 0.6361 - acc: 0.6570
184 172/620 [=====>.....] - ETA: 17:23 -
    loss: 0.6360 - acc: 0.6570
185 173/620 [=====>.....] - ETA: 17:21 -
    loss: 0.6355 - acc: 0.6570
186 174/620 [=====>.....] - ETA: 17:19 -
    loss: 0.6353 - acc: 0.6567
187 175/620 [=====>.....] - ETA: 17:16 -
    loss: 0.6355 - acc: 0.6567
188 176/620 [=====>.....] - ETA: 17:14 -
    loss: 0.6348 - acc: 0.6572
189 177/620 [=====>.....] - ETA: 17:11 -
    loss: 0.6343 - acc: 0.6577
190 178/620 [=====>.....] - ETA: 17:09 -
    loss: 0.6341 - acc: 0.6577
191 179/620 [=====>.....] - ETA: 17:06 -
    loss: 0.6332 - acc: 0.6588
192 180/620 [=====>.....] - ETA: 17:01 -
    loss: 0.6318 - acc: 0.6602
193 181/620 [=====>.....] - ETA: 16:59 -
    loss: 0.6311 - acc: 0.6610
194 182/620 [=====>.....] - ETA: 16:57 -
    loss: 0.6298 - acc: 0.6619
195 183/620 [=====>.....] - ETA: 16:54 -
    loss: 0.6302 - acc: 0.6617
196 184/620 [=====>.....] - ETA: 16:52 -
    loss: 0.6300 - acc: 0.6616
197 185/620 [=====>.....] - ETA: 16:50 -
    loss: 0.6300 - acc: 0.6616
198 186/620 [=====>.....] - ETA: 16:49 -
    loss: 0.6289 - acc: 0.6626
199 187/620 [=====>.....] - ETA: 16:47 -
    loss: 0.6289 - acc: 0.6625
200 188/620 [=====>.....] - ETA: 16:44 -
    loss: 0.6286 - acc: 0.6628
201 189/620 [=====>.....] - ETA: 16:42 -
    loss: 0.6279 - acc: 0.6631
202 190/620 [=====>.....] - ETA: 16:39 -
    loss: 0.6269 - acc: 0.6639
203 191/620 [=====>.....] - ETA: 16:37 -
    loss: 0.6267 - acc: 0.6640
204 192/620 [=====>.....] - ETA: 16:35 -
    loss: 0.6263 - acc: 0.6647
205 193/620 [=====>.....] - ETA: 16:32 -
```

```
205 loss: 0.6258 - acc: 0.6653
206 194/620 [=====>.....] - ETA: 16:30 -
    loss: 0.6256 - acc: 0.6657
207 195/620 [=====>.....] - ETA: 16:28 -
    loss: 0.6253 - acc: 0.6663
208 196/620 [=====>.....] - ETA: 16:25 -
    loss: 0.6246 - acc: 0.6667
209 197/620 [=====>.....] - ETA: 16:23 -
    loss: 0.6245 - acc: 0.6670
210 198/620 [=====>.....] - ETA: 16:21 -
    loss: 0.6241 - acc: 0.6671
211 199/620 [=====>.....] - ETA: 16:19 -
    loss: 0.6239 - acc: 0.6672
212 200/620 [=====>.....] - ETA: 16:14 -
    loss: 0.6233 - acc: 0.6676
213 201/620 [=====>.....] - ETA: 16:12 -
    loss: 0.6230 - acc: 0.6677
214 202/620 [=====>.....] - ETA: 16:09 -
    loss: 0.6222 - acc: 0.6683
215 203/620 [=====>.....] - ETA: 16:07 -
    loss: 0.6216 - acc: 0.6685
216 204/620 [=====>.....] - ETA: 16:05 -
    loss: 0.6212 - acc: 0.6688
217 205/620 [=====>.....] - ETA: 16:03 -
    loss: 0.6211 - acc: 0.6690
218 206/620 [=====>.....] - ETA: 16:00 -
    loss: 0.6206 - acc: 0.6697
219 207/620 [=====>.....] - ETA: 15:58 -
    loss: 0.6201 - acc: 0.6704
220 208/620 [=====>.....] - ETA: 15:56 -
    loss: 0.6194 - acc: 0.6711
221 209/620 [=====>.....] - ETA: 15:53 -
    loss: 0.6191 - acc: 0.6712
222 210/620 [=====>.....] - ETA: 15:51 -
    loss: 0.6182 - acc: 0.6718
223 211/620 [=====>.....] - ETA: 15:48 -
    loss: 0.6180 - acc: 0.6719
224 212/620 [=====>.....] - ETA: 15:46 -
    loss: 0.6174 - acc: 0.6726
225 213/620 [=====>.....] - ETA: 15:44 -
    loss: 0.6171 - acc: 0.6729
226 214/620 [=====>.....] - ETA: 15:42 -
    loss: 0.6165 - acc: 0.6734
227 215/620 [=====>.....] - ETA: 15:40 -
    loss: 0.6159 - acc: 0.6738
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File - cnn_2D_model

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228 216/620 [=====>.....] - ETA: 15:38 -
    loss: 0.6163 - acc: 0.6736
229 217/620 [=====>.....] - ETA: 15:35 -
    loss: 0.6157 - acc: 0.6743
230 218/620 [=====>.....] - ETA: 15:33 -
    loss: 0.6156 - acc: 0.6743
231 219/620 [=====>.....] - ETA: 15:31 -
    loss: 0.6164 - acc: 0.6739
232 220/620 [=====>.....] - ETA: 15:26 -
    loss: 0.6159 - acc: 0.6739
233 221/620 [=====>.....] - ETA: 15:24 -
    loss: 0.6159 - acc: 0.6736
234 222/620 [=====>.....] - ETA: 15:21 -
    loss: 0.6150 - acc: 0.6747
235 223/620 [=====>.....] - ETA: 15:19 -
    loss: 0.6146 - acc: 0.6749
236 224/620 [=====>.....] - ETA: 15:16 -
    loss: 0.6143 - acc: 0.6752
237 225/620 [=====>.....] - ETA: 15:14 -
    loss: 0.6136 - acc: 0.6758
238 226/620 [=====>.....] - ETA: 15:12 -
    loss: 0.6140 - acc: 0.6752
239 227/620 [=====>.....] - ETA: 15:10 -
    loss: 0.6132 - acc: 0.6761
240 228/620 [=====>.....] - ETA: 15:07 -
    loss: 0.6129 - acc: 0.6761
241 229/620 [=====>.....] - ETA: 15:05 -
    loss: 0.6132 - acc: 0.6758
242 230/620 [=====>.....] - ETA: 15:03 -
    loss: 0.6131 - acc: 0.6753
243 231/620 [=====>.....] - ETA: 15:00 -
    loss: 0.6129 - acc: 0.6752
244 232/620 [=====>.....] - ETA: 14:58 -
    loss: 0.6123 - acc: 0.6755
245 233/620 [=====>.....] - ETA: 14:56 -
    loss: 0.6127 - acc: 0.6750
246 234/620 [=====>.....] - ETA: 14:53 -
    loss: 0.6126 - acc: 0.6751
247 235/620 [=====>.....] - ETA: 14:51 -
    loss: 0.6124 - acc: 0.6754
248 236/620 [=====>.....] - ETA: 14:49 -
    loss: 0.6119 - acc: 0.6758
249 237/620 [=====>.....] - ETA: 14:48 -
    loss: 0.6118 - acc: 0.6762
250 238/620 [=====>.....] - ETA: 14:47 -
```

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250 loss: 0.6114 - acc: 0.6765
251 239/620 [=====>.....] - ETA: 14:45 -
    loss: 0.6119 - acc: 0.6759
252 240/620 [=====>.....] - ETA: 14:41 -
    loss: 0.6133 - acc: 0.6751
253 241/620 [=====>.....] - ETA: 14:39 -
    loss: 0.6130 - acc: 0.6752
254 242/620 [=====>.....] - ETA: 14:37 -
    loss: 0.6128 - acc: 0.6751
255 243/620 [=====>.....] - ETA: 14:35 -
    loss: 0.6124 - acc: 0.6755
256 244/620 [=====>.....] - ETA: 14:33 -
    loss: 0.6124 - acc: 0.6756
257 245/620 [=====>.....] - ETA: 14:30 -
    loss: 0.6123 - acc: 0.6756
258 246/620 [=====>.....] - ETA: 14:28 -
    loss: 0.6119 - acc: 0.6762
259 247/620 [=====>.....] - ETA: 14:26 -
    loss: 0.6122 - acc: 0.6755
260 248/620 [=====>.....] - ETA: 14:23 -
    loss: 0.6118 - acc: 0.6759
261 249/620 [=====>.....] - ETA: 14:21 -
    loss: 0.6112 - acc: 0.6766
262 250/620 [=====>.....] - ETA: 14:18 -
    loss: 0.6111 - acc: 0.6769
263 251/620 [=====>.....] - ETA: 14:17 -
    loss: 0.6110 - acc: 0.6768
264 252/620 [=====>.....] - ETA: 14:14 -
    loss: 0.6104 - acc: 0.6776
265 253/620 [=====>.....] - ETA: 14:12 -
    loss: 0.6104 - acc: 0.6779
266 254/620 [=====>.....] - ETA: 14:10 -
    loss: 0.6102 - acc: 0.6783
267 255/620 [=====>.....] - ETA: 14:07 -
    loss: 0.6099 - acc: 0.6788
268 256/620 [=====>.....] - ETA: 14:05 -
    loss: 0.6097 - acc: 0.6791
269 257/620 [=====>.....] - ETA: 14:03 -
    loss: 0.6095 - acc: 0.6791
270 258/620 [=====>.....] - ETA: 14:00 -
    loss: 0.6089 - acc: 0.6795
271 259/620 [=====>.....] - ETA: 13:58 -
    loss: 0.6086 - acc: 0.6798
272 260/620 [=====>.....] - ETA: 13:54 -
    loss: 0.6082 - acc: 0.6800
```

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273 261/620 [=====>.....] - ETA: 13:52 -
    loss: 0.6079 - acc: 0.6800
274 262/620 [=====>.....] - ETA: 13:49 -
    loss: 0.6076 - acc: 0.6800
275 263/620 [=====>.....] - ETA: 13:47 -
    loss: 0.6069 - acc: 0.6807
276 264/620 [=====>.....] - ETA: 13:45 -
    loss: 0.6067 - acc: 0.6809
277 265/620 [=====>.....] - ETA: 13:42 -
    loss: 0.6062 - acc: 0.6809
278 266/620 [=====>.....] - ETA: 13:40 -
    loss: 0.6059 - acc: 0.6812
279 267/620 [=====>.....] - ETA: 13:38 -
    loss: 0.6056 - acc: 0.6815
280 268/620 [=====>.....] - ETA: 13:35 -
    loss: 0.6063 - acc: 0.6809
281 269/620 [=====>.....] - ETA: 13:33 -
    loss: 0.6060 - acc: 0.6812
282 270/620 [=====>.....] - ETA: 13:31 -
    loss: 0.6056 - acc: 0.6815
283 271/620 [=====>.....] - ETA: 13:28 -
    loss: 0.6060 - acc: 0.6814
284 272/620 [=====>.....] - ETA: 13:26 -
    loss: 0.6059 - acc: 0.6816
285 273/620 [=====>.....] - ETA: 13:23 -
    loss: 0.6055 - acc: 0.6815
286 274/620 [=====>.....] - ETA: 13:21 -
    loss: 0.6054 - acc: 0.6819
287 275/620 [=====>.....] - ETA: 13:19 -
    loss: 0.6060 - acc: 0.6818
288 276/620 [=====>.....] - ETA: 13:17 -
    loss: 0.6056 - acc: 0.6822
289 277/620 [=====>.....] - ETA: 13:14 -
    loss: 0.6049 - acc: 0.6828
290 278/620 [=====>.....] - ETA: 13:12 -
    loss: 0.6042 - acc: 0.6837
291 279/620 [=====>.....] - ETA: 13:10 -
    loss: 0.6042 - acc: 0.6836
292 280/620 [=====>.....] - ETA: 13:06 -
    loss: 0.6045 - acc: 0.6835
293 281/620 [=====>.....] - ETA: 13:04 -
    loss: 0.6044 - acc: 0.6834
294 282/620 [=====>.....] - ETA: 13:01 -
    loss: 0.6042 - acc: 0.6835
295 283/620 [=====>.....] - ETA: 12:59 -
```

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295 loss: 0.6042 - acc: 0.6837
296 284/620 [=====>.....] - ETA: 12:57 -
    loss: 0.6039 - acc: 0.6840
297 285/620 [=====>.....] - ETA: 12:54 -
    loss: 0.6033 - acc: 0.6846
298 286/620 [=====>.....] - ETA: 12:52 -
    loss: 0.6030 - acc: 0.6848
299 287/620 [=====>.....] - ETA: 12:49 -
    loss: 0.6028 - acc: 0.6850
300 288/620 [=====>.....] - ETA: 12:47 -
    loss: 0.6024 - acc: 0.6850
301 289/620 [=====>.....] - ETA: 12:45 -
    loss: 0.6025 - acc: 0.6850
302 290/620 [=====>.....] - ETA: 12:43 -
    loss: 0.6021 - acc: 0.6851
303 291/620 [=====>.....] - ETA: 12:41 -
    loss: 0.6021 - acc: 0.6851
304 292/620 [=====>.....] - ETA: 12:39 -
    loss: 0.6017 - acc: 0.6855
305 293/620 [=====>.....] - ETA: 12:37 -
    loss: 0.6017 - acc: 0.6853
306 294/620 [=====>.....] - ETA: 12:35 -
    loss: 0.6014 - acc: 0.6857
307 295/620 [=====>.....] - ETA: 12:32 -
    loss: 0.6012 - acc: 0.6858
308 296/620 [=====>.....] - ETA: 12:30 -
    loss: 0.6010 - acc: 0.6862
309 297/620 [=====>.....] - ETA: 12:28 -
    loss: 0.6010 - acc: 0.6864
310 298/620 [=====>.....] - ETA: 12:25 -
    loss: 0.6008 - acc: 0.6866
311 299/620 [=====>.....] - ETA: 12:23 -
    loss: 0.6004 - acc: 0.6870
312 300/620 [=====>.....] - ETA: 12:19 -
    loss: 0.6000 - acc: 0.6872
313 301/620 [=====>.....] - ETA: 12:17 -
    loss: 0.6000 - acc: 0.6870
314 302/620 [=====>.....] - ETA: 12:15 -
    loss: 0.5994 - acc: 0.6873
315 303/620 [=====>.....] - ETA: 12:13 -
    loss: 0.5999 - acc: 0.6869
316 304/620 [=====>.....] - ETA: 12:10 -
    loss: 0.5996 - acc: 0.6872
317 305/620 [=====>.....] - ETA: 12:08 -
    loss: 0.5993 - acc: 0.6876
```

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318 306/620 [=====>.....] - ETA: 12:06 -
    loss: 0.5990 - acc: 0.6878
319 307/620 [=====>.....] - ETA: 12:04 -
    loss: 0.5989 - acc: 0.6879
320 308/620 [=====>.....] - ETA: 12:01 -
    loss: 0.5988 - acc: 0.6879
321 309/620 [=====>.....] - ETA: 11:59 -
    loss: 0.5987 - acc: 0.6881
322 310/620 [=====>.....] - ETA: 11:56 -
    loss: 0.5982 - acc: 0.6885
323 311/620 [=====>.....] - ETA: 11:54 -
    loss: 0.5980 - acc: 0.6887
324 312/620 [=====>.....] - ETA: 11:52 -
    loss: 0.5979 - acc: 0.6889
325 313/620 [=====>.....] - ETA: 11:49 -
    loss: 0.5977 - acc: 0.6889
326 314/620 [=====>.....] - ETA: 11:47 -
    loss: 0.5983 - acc: 0.6885
327 315/620 [=====>.....] - ETA: 11:45 -
    loss: 0.5979 - acc: 0.6889
328 316/620 [=====>.....] - ETA: 11:42 -
    loss: 0.5976 - acc: 0.6890
329 317/620 [=====>.....] - ETA: 11:40 -
    loss: 0.5977 - acc: 0.6889
330 318/620 [=====>.....] - ETA: 11:38 -
    loss: 0.5974 - acc: 0.6888
331 319/620 [=====>.....] - ETA: 11:36 -
    loss: 0.5982 - acc: 0.6882
332 320/620 [=====>.....] - ETA: 11:33 -
    loss: 0.5976 - acc: 0.6887
333 321/620 [=====>.....] - ETA: 11:30 -
    loss: 0.5977 - acc: 0.6887
334 322/620 [=====>.....] - ETA: 11:28 -
    loss: 0.5970 - acc: 0.6892
335 323/620 [=====>.....] - ETA: 11:26 -
    loss: 0.5970 - acc: 0.6893
336 324/620 [=====>.....] - ETA: 11:23 -
    loss: 0.5966 - acc: 0.6897
337 325/620 [=====>.....] - ETA: 11:21 -
    loss: 0.5967 - acc: 0.6899
338 326/620 [=====>.....] - ETA: 11:19 -
    loss: 0.5965 - acc: 0.6900
339 327/620 [=====>.....] - ETA: 11:16 -
    loss: 0.5968 - acc: 0.6899
340 328/620 [=====>.....] - ETA: 11:14 -
```

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340 loss: 0.5963 - acc: 0.6903
341 329/620 [=====>.....] - ETA: 11:12 -
    loss: 0.5960 - acc: 0.6905
342 330/620 [=====>.....] - ETA: 11:10 -
    loss: 0.5955 - acc: 0.6909
343 331/620 [=====>.....] - ETA: 11:07 -
    loss: 0.5956 - acc: 0.6909
344 332/620 [=====>.....] - ETA: 11:05 -
    loss: 0.5953 - acc: 0.6911
345 333/620 [=====>.....] - ETA: 11:03 -
    loss: 0.5950 - acc: 0.6913
346 334/620 [=====>.....] - ETA: 11:00 -
    loss: 0.5946 - acc: 0.6914
347 335/620 [=====>.....] - ETA: 10:58 -
    loss: 0.5949 - acc: 0.6910
348 336/620 [=====>.....] - ETA: 10:56 -
    loss: 0.5947 - acc: 0.6913
349 337/620 [=====>.....] - ETA: 10:54 -
    loss: 0.5944 - acc: 0.6916
350 338/620 [=====>.....] - ETA: 10:51 -
    loss: 0.5943 - acc: 0.6916
351 339/620 [=====>.....] - ETA: 10:49 -
    loss: 0.5943 - acc: 0.6916
352 340/620 [=====>.....] - ETA: 10:46 -
    loss: 0.5941 - acc: 0.6915
353 341/620 [=====>.....] - ETA: 10:43 -
    loss: 0.5940 - acc: 0.6915
354 342/620 [=====>.....] - ETA: 10:41 -
    loss: 0.5936 - acc: 0.6917
355 343/620 [=====>.....] - ETA: 10:39 -
    loss: 0.5935 - acc: 0.6919
356 344/620 [=====>.....] - ETA: 10:37 -
    loss: 0.5935 - acc: 0.6917
357 345/620 [=====>.....] - ETA: 10:35 -
    loss: 0.5933 - acc: 0.6920
358 346/620 [=====>.....] - ETA: 10:32 -
    loss: 0.5932 - acc: 0.6920
359 347/620 [=====>.....] - ETA: 10:30 -
    loss: 0.5926 - acc: 0.6927
360 348/620 [=====>.....] - ETA: 10:28 -
    loss: 0.5923 - acc: 0.6930
361 349/620 [=====>.....] - ETA: 10:25 -
    loss: 0.5918 - acc: 0.6932
362 350/620 [=====>.....] - ETA: 10:23 -
    loss: 0.5917 - acc: 0.6934
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363 351/620 [=====>.....] - ETA: 10:21 -
    loss: 0.5913 - acc: 0.6937
364 352/620 [=====>.....] - ETA: 10:18 -
    loss: 0.5913 - acc: 0.6937
365 353/620 [=====>.....] - ETA: 10:16 -
    loss: 0.5910 - acc: 0.6939
366 354/620 [=====>.....] - ETA: 10:14 -
    loss: 0.5914 - acc: 0.6935
367 355/620 [=====>.....] - ETA: 10:12 -
    loss: 0.5917 - acc: 0.6933
368 356/620 [=====>.....] - ETA: 10:10 -
    loss: 0.5919 - acc: 0.6931
369 357/620 [=====>.....] - ETA: 10:08 -
    loss: 0.5915 - acc: 0.6933
370 358/620 [=====>.....] - ETA: 10:05 -
    loss: 0.5912 - acc: 0.6934
371 359/620 [=====>.....] - ETA: 10:03 -
    loss: 0.5911 - acc: 0.6935
372 360/620 [=====>.....] - ETA: 10:00 -
    loss: 0.5907 - acc: 0.6937
373 361/620 [=====>.....] - ETA: 9:58 -
    loss: 0.5903 - acc: 0.6941
374 362/620 [=====>.....] - ETA: 9:55 -
    loss: 0.5900 - acc: 0.6941
375 363/620 [=====>.....] - ETA: 9:53 -
    loss: 0.5899 - acc: 0.6941
376 364/620 [=====>.....] - ETA: 9:51 -
    loss: 0.5903 - acc: 0.6941
377 365/620 [=====>.....] - ETA: 9:48 -
    loss: 0.5903 - acc: 0.6944
378 366/620 [=====>.....] - ETA: 9:46 -
    loss: 0.5904 - acc: 0.6944
379 367/620 [=====>.....] - ETA: 9:44 -
    loss: 0.5906 - acc: 0.6942
380 368/620 [=====>.....] - ETA: 9:41 -
    loss: 0.5904 - acc: 0.6945
381 369/620 [=====>.....] - ETA: 9:39 -
    loss: 0.5899 - acc: 0.6949
382 370/620 [=====>.....] - ETA: 9:37 -
    loss: 0.5903 - acc: 0.6943
383 371/620 [=====>.....] - ETA: 9:35 -
    loss: 0.5900 - acc: 0.6944
384 372/620 [=====>.....] - ETA: 9:32 -
    loss: 0.5898 - acc: 0.6946
385 373/620 [=====>.....] - ETA: 9:30 -
```

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385 loss: 0.5898 - acc: 0.6944
386 374/620 [=====>.....] - ETA: 9:28 -
    loss: 0.5896 - acc: 0.6946
387 375/620 [=====>.....] - ETA: 9:25 -
    loss: 0.5896 - acc: 0.6947
388 376/620 [=====>.....] - ETA: 9:23 -
    loss: 0.5898 - acc: 0.6948
389 377/620 [=====>.....] - ETA: 9:21 -
    loss: 0.5894 - acc: 0.6951
390 378/620 [=====>.....] - ETA: 9:19 -
    loss: 0.5890 - acc: 0.6954
391 379/620 [=====>.....] - ETA: 9:16 -
    loss: 0.5886 - acc: 0.6958
392 380/620 [=====>.....] - ETA: 9:13 -
    loss: 0.5880 - acc: 0.6964
393 381/620 [=====>.....] - ETA: 9:11 -
    loss: 0.5881 - acc: 0.6962
394 382/620 [=====>.....] - ETA: 9:09 -
    loss: 0.5882 - acc: 0.6960
395 383/620 [=====>.....] - ETA: 9:06 -
    loss: 0.5885 - acc: 0.6956
396 384/620 [=====>.....] - ETA: 9:04 -
    loss: 0.5884 - acc: 0.6956
397 385/620 [=====>.....] - ETA: 9:02 -
    loss: 0.5882 - acc: 0.6958
398 386/620 [=====>.....] - ETA: 8:59 -
    loss: 0.5878 - acc: 0.6962
399 387/620 [=====>.....] - ETA: 8:57 -
    loss: 0.5879 - acc: 0.6960
400 388/620 [=====>.....] - ETA: 8:55 -
    loss: 0.5880 - acc: 0.6959
401 389/620 [=====>.....] - ETA: 8:52 -
    loss: 0.5876 - acc: 0.6963
402 390/620 [=====>.....] - ETA: 8:50 -
    loss: 0.5873 - acc: 0.6966
403 391/620 [=====>.....] - ETA: 8:48 -
    loss: 0.5872 - acc: 0.6967
404 392/620 [=====>.....] - ETA: 8:45 -
    loss: 0.5867 - acc: 0.6971
405 393/620 [=====>.....] - ETA: 8:43 -
    loss: 0.5869 - acc: 0.6970
406 394/620 [=====>.....] - ETA: 8:41 -
    loss: 0.5864 - acc: 0.6974
407 395/620 [=====>.....] - ETA: 8:39 -
    loss: 0.5863 - acc: 0.6974
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408 396/620 [=====>.....] - ETA: 8:37 -
    loss: 0.5858 - acc: 0.6977
409 397/620 [=====>.....] - ETA: 8:34 -
    loss: 0.5853 - acc: 0.6981
410 398/620 [=====>.....] - ETA: 8:32 -
    loss: 0.5851 - acc: 0.6984
411 399/620 [=====>.....] - ETA: 8:30 -
    loss: 0.5849 - acc: 0.6986
412 400/620 [=====>.....] - ETA: 8:27 -
    loss: 0.5858 - acc: 0.6981
413 401/620 [=====>.....] - ETA: 8:24 -
    loss: 0.5855 - acc: 0.6984
414 402/620 [=====>.....] - ETA: 8:22 -
    loss: 0.5855 - acc: 0.6984
415 403/620 [=====>.....] - ETA: 8:20 -
    loss: 0.5852 - acc: 0.6987
416 404/620 [=====>.....] - ETA: 8:17 -
    loss: 0.5850 - acc: 0.6988
417 405/620 [=====>.....] - ETA: 8:15 -
    loss: 0.5850 - acc: 0.6988
418 406/620 [=====>.....] - ETA: 8:13 -
    loss: 0.5847 - acc: 0.6989
419 407/620 [=====>.....] - ETA: 8:11 -
    loss: 0.5850 - acc: 0.6988
420 408/620 [=====>.....] - ETA: 8:08 -
    loss: 0.5852 - acc: 0.6984
421 409/620 [=====>.....] - ETA: 8:06 -
    loss: 0.5852 - acc: 0.6984
422 410/620 [=====>.....] - ETA: 8:04 -
    loss: 0.5851 - acc: 0.6986
423 411/620 [=====>.....] - ETA: 8:01 -
    loss: 0.5851 - acc: 0.6988
424 412/620 [=====>.....] - ETA: 7:59 -
    loss: 0.5850 - acc: 0.6991
425 413/620 [=====>.....] - ETA: 7:57 -
    loss: 0.5848 - acc: 0.6991
426 414/620 [=====>.....] - ETA: 7:55 -
    loss: 0.5846 - acc: 0.6995
427 415/620 [=====>.....] - ETA: 7:52 -
    loss: 0.5843 - acc: 0.6997
428 416/620 [=====>.....] - ETA: 7:50 -
    loss: 0.5839 - acc: 0.7000
429 417/620 [=====>.....] - ETA: 7:48 -
    loss: 0.5837 - acc: 0.7003
430 418/620 [=====>.....] - ETA: 7:45 -
```

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430 loss: 0.5838 - acc: 0.7002
431 419/620 [=====>.....] - ETA: 7:43 -
    loss: 0.5836 - acc: 0.7003
432 420/620 [=====>.....] - ETA: 7:40 -
    loss: 0.5834 - acc: 0.7008
433 421/620 [=====>.....] - ETA: 7:38 -
    loss: 0.5830 - acc: 0.7010
434 422/620 [=====>.....] - ETA: 7:36 -
    loss: 0.5829 - acc: 0.7009
435 423/620 [=====>.....] - ETA: 7:34 -
    loss: 0.5828 - acc: 0.7007
436 424/620 [=====>.....] - ETA: 7:31 -
    loss: 0.5829 - acc: 0.7008
437 425/620 [=====>.....] - ETA: 7:29 -
    loss: 0.5823 - acc: 0.7013
438 426/620 [=====>.....] - ETA: 7:27 -
    loss: 0.5824 - acc: 0.7012
439 427/620 [=====>.....] - ETA: 7:24 -
    loss: 0.5819 - acc: 0.7018
440 428/620 [=====>.....] - ETA: 7:22 -
    loss: 0.5818 - acc: 0.7018
441 429/620 [=====>.....] - ETA: 7:20 -
    loss: 0.5819 - acc: 0.7019
442 430/620 [=====>.....] - ETA: 7:17 -
    loss: 0.5817 - acc: 0.7020
443 431/620 [=====>.....] - ETA: 7:15 -
    loss: 0.5816 - acc: 0.7021
444 432/620 [=====>.....] - ETA: 7:13 -
    loss: 0.5813 - acc: 0.7024
445 433/620 [=====>.....] - ETA: 7:10 -
    loss: 0.5813 - acc: 0.7024
446 434/620 [=====>.....] - ETA: 7:08 -
    loss: 0.5813 - acc: 0.7025
447 435/620 [=====>.....] - ETA: 7:06 -
    loss: 0.5815 - acc: 0.7024
448 436/620 [=====>.....] - ETA: 7:04 -
    loss: 0.5814 - acc: 0.7026
449 437/620 [=====>.....] - ETA: 7:01 -
    loss: 0.5811 - acc: 0.7027
450 438/620 [=====>.....] - ETA: 6:59 -
    loss: 0.5809 - acc: 0.7029
451 439/620 [=====>.....] - ETA: 6:57 -
    loss: 0.5811 - acc: 0.7029
452 440/620 [=====>.....] - ETA: 6:54 -
    loss: 0.5808 - acc: 0.7030
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453 441/620 [=====>.....] - ETA: 6:52 -
    loss: 0.5808 - acc: 0.7028
454 442/620 [=====>.....] - ETA: 6:49 -
    loss: 0.5807 - acc: 0.7028
455 443/620 [=====>.....] - ETA: 6:47 -
    loss: 0.5812 - acc: 0.7025
456 444/620 [=====>.....] - ETA: 6:45 -
    loss: 0.5812 - acc: 0.7024
457 445/620 [=====>.....] - ETA: 6:42 -
    loss: 0.5811 - acc: 0.7026
458 446/620 [=====>.....] - ETA: 6:40 -
    loss: 0.5807 - acc: 0.7029
459 447/620 [=====>.....] - ETA: 6:38 -
    loss: 0.5806 - acc: 0.7027
460 448/620 [=====>.....] - ETA: 6:36 -
    loss: 0.5805 - acc: 0.7028
461 449/620 [=====>.....] - ETA: 6:33 -
    loss: 0.5804 - acc: 0.7027
462 450/620 [=====>.....] - ETA: 6:31 -
    loss: 0.5806 - acc: 0.7027
463 451/620 [=====>.....] - ETA: 6:29 -
    loss: 0.5804 - acc: 0.7030
464 452/620 [=====>.....] - ETA: 6:26 -
    loss: 0.5804 - acc: 0.7029
465 453/620 [=====>.....] - ETA: 6:24 -
    loss: 0.5803 - acc: 0.7027
466 454/620 [=====>.....] - ETA: 6:22 -
    loss: 0.5802 - acc: 0.7028
467 455/620 [=====>.....] - ETA: 6:20 -
    loss: 0.5800 - acc: 0.7033
468 456/620 [=====>.....] - ETA: 6:17 -
    loss: 0.5800 - acc: 0.7031
469 457/620 [=====>.....] - ETA: 6:15 -
    loss: 0.5798 - acc: 0.7033
470 458/620 [=====>.....] - ETA: 6:13 -
    loss: 0.5799 - acc: 0.7035
471 459/620 [=====>.....] - ETA: 6:10 -
    loss: 0.5799 - acc: 0.7034
472 460/620 [=====>.....] - ETA: 6:08 -
    loss: 0.5797 - acc: 0.7036
473 461/620 [=====>.....] - ETA: 6:05 -
    loss: 0.5797 - acc: 0.7036
474 462/620 [=====>.....] - ETA: 6:03 -
    loss: 0.5794 - acc: 0.7038
475 463/620 [=====>.....] - ETA: 6:01 -
```

```
475 loss: 0.5793 - acc: 0.7039
476 464/620 [=====>.....] - ETA: 5:58 -
    loss: 0.5792 - acc: 0.7040
477 465/620 [=====>.....] - ETA: 5:56 -
    loss: 0.5794 - acc: 0.7039
478 466/620 [=====>.....] - ETA: 5:54 -
    loss: 0.5791 - acc: 0.7042
479 467/620 [=====>.....] - ETA: 5:52 -
    loss: 0.5790 - acc: 0.7042
480 468/620 [=====>.....] - ETA: 5:49 -
    loss: 0.5789 - acc: 0.7042
481 469/620 [=====>.....] - ETA: 5:47 -
    loss: 0.5793 - acc: 0.7038
482 470/620 [=====>.....] - ETA: 5:45 -
    loss: 0.5790 - acc: 0.7040
483 471/620 [=====>.....] - ETA: 5:42 -
    loss: 0.5792 - acc: 0.7040
484 472/620 [=====>.....] - ETA: 5:40 -
    loss: 0.5788 - acc: 0.7045
485 473/620 [=====>.....] - ETA: 5:38 -
    loss: 0.5785 - acc: 0.7047
486 474/620 [=====>.....] - ETA: 5:35 -
    loss: 0.5783 - acc: 0.7049
487 475/620 [=====>.....] - ETA: 5:33 -
    loss: 0.5784 - acc: 0.7048
488 476/620 [=====>.....] - ETA: 5:31 -
    loss: 0.5787 - acc: 0.7045
489 477/620 [=====>.....] - ETA: 5:29 -
    loss: 0.5787 - acc: 0.7046
490 478/620 [=====>.....] - ETA: 5:26 -
    loss: 0.5786 - acc: 0.7048
491 479/620 [=====>.....] - ETA: 5:24 -
    loss: 0.5784 - acc: 0.7050
492 480/620 [=====>.....] - ETA: 5:21 -
    loss: 0.5784 - acc: 0.7049
493 481/620 [=====>.....] - ETA: 5:19 -
    loss: 0.5782 - acc: 0.7051
494 482/620 [=====>.....] - ETA: 5:17 -
    loss: 0.5782 - acc: 0.7052
495 483/620 [=====>.....] - ETA: 5:14 -
    loss: 0.5784 - acc: 0.7050
496 484/620 [=====>.....] - ETA: 5:12 -
    loss: 0.5784 - acc: 0.7050
497 485/620 [=====>.....] - ETA: 5:10 -
    loss: 0.5783 - acc: 0.7050
```

```
498 486/620 [=====>.....] - ETA: 5:08 -
    loss: 0.5781 - acc: 0.7054
499 487/620 [=====>.....] - ETA: 5:05 -
    loss: 0.5777 - acc: 0.7058
500 488/620 [=====>.....] - ETA: 5:03 -
    loss: 0.5775 - acc: 0.7059
501 489/620 [=====>.....] - ETA: 5:01 -
    loss: 0.5774 - acc: 0.7060
502 490/620 [=====>.....] - ETA: 4:58 -
    loss: 0.5773 - acc: 0.7058
503 491/620 [=====>.....] - ETA: 4:56 -
    loss: 0.5772 - acc: 0.7058
504 492/620 [=====>.....] - ETA: 4:54 -
    loss: 0.5771 - acc: 0.7057
505 493/620 [=====>.....] - ETA: 4:52 -
    loss: 0.5768 - acc: 0.7060
506 494/620 [=====>.....] - ETA: 4:49 -
    loss: 0.5770 - acc: 0.7060
507 495/620 [=====>.....] - ETA: 4:47 -
    loss: 0.5767 - acc: 0.7062
508 496/620 [=====>.....] - ETA: 4:45 -
    loss: 0.5765 - acc: 0.7063
509 497/620 [=====>.....] - ETA: 4:42 -
    loss: 0.5765 - acc: 0.7063
510 498/620 [=====>.....] - ETA: 4:40 -
    loss: 0.5767 - acc: 0.7061
511 499/620 [=====>.....] - ETA: 4:38 -
    loss: 0.5766 - acc: 0.7063
512 500/620 [=====>.....] - ETA: 4:35 -
    loss: 0.5763 - acc: 0.7065
513 501/620 [=====>.....] - ETA: 4:33 -
    loss: 0.5762 - acc: 0.7064
514 502/620 [=====>.....] - ETA: 4:31 -
    loss: 0.5759 - acc: 0.7068
515 503/620 [=====>.....] - ETA: 4:29 -
    loss: 0.5756 - acc: 0.7071
516 504/620 [=====>.....] - ETA: 4:26 -
    loss: 0.5762 - acc: 0.7070
517 505/620 [=====>.....] - ETA: 4:24 -
    loss: 0.5760 - acc: 0.7071
518 506/620 [=====>.....] - ETA: 4:22 -
    loss: 0.5759 - acc: 0.7072
519 507/620 [=====>.....] - ETA: 4:19 -
    loss: 0.5758 - acc: 0.7071
520 508/620 [=====>.....] - ETA: 4:17 -
```

```
520 loss: 0.5755 - acc: 0.7073
521 509/620 [=====>.....] - ETA: 4:15 -
    loss: 0.5757 - acc: 0.7071
522 510/620 [=====>.....] - ETA: 4:13 -
    loss: 0.5758 - acc: 0.7070
523 511/620 [=====>.....] - ETA: 4:10 -
    loss: 0.5757 - acc: 0.7070
524 512/620 [=====>.....] - ETA: 4:08 -
    loss: 0.5755 - acc: 0.7071
525 513/620 [=====>.....] - ETA: 4:06 -
    loss: 0.5756 - acc: 0.7071
526 514/620 [=====>.....] - ETA: 4:03 -
    loss: 0.5753 - acc: 0.7074
527 515/620 [=====>.....] - ETA: 4:01 -
    loss: 0.5750 - acc: 0.7077
528 516/620 [=====>.....] - ETA: 3:59 -
    loss: 0.5749 - acc: 0.7079
529 517/620 [=====>.....] - ETA: 3:57 -
    loss: 0.5748 - acc: 0.7077
530 518/620 [=====>.....] - ETA: 3:54 -
    loss: 0.5747 - acc: 0.7078
531 519/620 [=====>.....] - ETA: 3:52 -
    loss: 0.5748 - acc: 0.7076
532 520/620 [=====>.....] - ETA: 3:49 -
    loss: 0.5744 - acc: 0.7080
533 521/620 [=====>.....] - ETA: 3:47 -
    loss: 0.5741 - acc: 0.7083
534 522/620 [=====>.....] - ETA: 3:45 -
    loss: 0.5741 - acc: 0.7082
535 523/620 [=====>.....] - ETA: 3:42 -
    loss: 0.5743 - acc: 0.7080
536 524/620 [=====>.....] - ETA: 3:40 -
    loss: 0.5741 - acc: 0.7081
537 525/620 [=====>.....] - ETA: 3:38 -
    loss: 0.5742 - acc: 0.7079
538 526/620 [=====>.....] - ETA: 3:36 -
    loss: 0.5742 - acc: 0.7080
539 527/620 [=====>.....] - ETA: 3:33 -
    loss: 0.5741 - acc: 0.7080
540 528/620 [=====>.....] - ETA: 3:31 -
    loss: 0.5738 - acc: 0.7081
541 529/620 [=====>.....] - ETA: 3:29 -
    loss: 0.5736 - acc: 0.7083
542 530/620 [=====>.....] - ETA: 3:26 -
    loss: 0.5734 - acc: 0.7085
```

```
543 531/620 [=====>....] - ETA: 3:24 -
    loss: 0.5731 - acc: 0.7087
544 532/620 [=====>....] - ETA: 3:22 -
    loss: 0.5730 - acc: 0.7088
545 533/620 [=====>....] - ETA: 3:20 -
    loss: 0.5727 - acc: 0.7089
546 534/620 [=====>....] - ETA: 3:17 -
    loss: 0.5725 - acc: 0.7089
547 535/620 [=====>....] - ETA: 3:15 -
    loss: 0.5722 - acc: 0.7092
548 536/620 [=====>....] - ETA: 3:13 -
    loss: 0.5720 - acc: 0.7094
549 537/620 [=====>....] - ETA: 3:10 -
    loss: 0.5721 - acc: 0.7094
550 538/620 [=====>....] - ETA: 3:08 -
    loss: 0.5723 - acc: 0.7092
551 539/620 [=====>....] - ETA: 3:06 -
    loss: 0.5722 - acc: 0.7092
552 540/620 [=====>....] - ETA: 3:03 -
    loss: 0.5726 - acc: 0.7089
553 541/620 [=====>....] - ETA: 3:01 -
    loss: 0.5729 - acc: 0.7086
554 542/620 [=====>....] - ETA: 2:59 -
    loss: 0.5729 - acc: 0.7088
555 543/620 [=====>....] - ETA: 2:56 -
    loss: 0.5727 - acc: 0.7089
556 544/620 [=====>....] - ETA: 2:54 -
    loss: 0.5728 - acc: 0.7089
557 545/620 [=====>....] - ETA: 2:52 -
    loss: 0.5724 - acc: 0.7092
558 546/620 [=====>....] - ETA: 2:50 -
    loss: 0.5723 - acc: 0.7094
559 547/620 [=====>....] - ETA: 2:47 -
    loss: 0.5724 - acc: 0.7094
560 548/620 [=====>....] - ETA: 2:45 -
    loss: 0.5727 - acc: 0.7094
561 549/620 [=====>....] - ETA: 2:43 -
    loss: 0.5726 - acc: 0.7094
562 550/620 [=====>....] - ETA: 2:40 -
    loss: 0.5726 - acc: 0.7094
563 551/620 [=====>....] - ETA: 2:38 -
    loss: 0.5727 - acc: 0.7092
564 552/620 [=====>....] - ETA: 2:36 -
    loss: 0.5725 - acc: 0.7093
565 553/620 [=====>....] - ETA: 2:34 -
```

```
565 loss: 0.5726 - acc: 0.7091
566 554/620 [=====>....] - ETA: 2:31 -
    loss: 0.5726 - acc: 0.7092
567 555/620 [=====>....] - ETA: 2:29 -
    loss: 0.5725 - acc: 0.7093
568 556/620 [=====>....] - ETA: 2:27 -
    loss: 0.5724 - acc: 0.7094
569 557/620 [=====>....] - ETA: 2:24 -
    loss: 0.5720 - acc: 0.7097
570 558/620 [=====>...] - ETA: 2:22 -
    loss: 0.5719 - acc: 0.7097
571 559/620 [=====>...] - ETA: 2:20 -
    loss: 0.5719 - acc: 0.7097
572 560/620 [=====>...] - ETA: 2:17 -
    loss: 0.5716 - acc: 0.7099
573 561/620 [=====>...] - ETA: 2:15 -
    loss: 0.5715 - acc: 0.7099
574 562/620 [=====>...] - ETA: 2:13 -
    loss: 0.5712 - acc: 0.7100
575 563/620 [=====>...] - ETA: 2:10 -
    loss: 0.5710 - acc: 0.7101
576 564/620 [=====>...] - ETA: 2:08 -
    loss: 0.5709 - acc: 0.7102
577 565/620 [=====>...] - ETA: 2:06 -
    loss: 0.5710 - acc: 0.7100
578 566/620 [=====>...] - ETA: 2:04 -
    loss: 0.5711 - acc: 0.7100
579 567/620 [=====>...] - ETA: 2:01 -
    loss: 0.5709 - acc: 0.7102
580 568/620 [=====>...] - ETA: 1:59 -
    loss: 0.5710 - acc: 0.7102
581 569/620 [=====>...] - ETA: 1:57 -
    loss: 0.5711 - acc: 0.7100
582 570/620 [=====>...] - ETA: 1:54 -
    loss: 0.5711 - acc: 0.7100
583 571/620 [=====>...] - ETA: 1:52 -
    loss: 0.5711 - acc: 0.7101
584 572/620 [=====>...] - ETA: 1:50 -
    loss: 0.5709 - acc: 0.7103
585 573/620 [=====>...] - ETA: 1:47 -
    loss: 0.5707 - acc: 0.7104
586 574/620 [=====>...] - ETA: 1:45 -
    loss: 0.5706 - acc: 0.7105
587 575/620 [=====>...] - ETA: 1:43 -
    loss: 0.5703 - acc: 0.7107
```

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588 576/620 [=====>...] - ETA: 1:41 -
    loss: 0.5702 - acc: 0.7107
589 577/620 [=====>...] - ETA: 1:38 -
    loss: 0.5700 - acc: 0.7109
590 578/620 [=====>...] - ETA: 1:36 -
    loss: 0.5699 - acc: 0.7110
591 579/620 [=====>...] - ETA: 1:34 -
    loss: 0.5699 - acc: 0.7111
592 580/620 [=====>...] - ETA: 1:31 -
    loss: 0.5703 - acc: 0.7106
593 581/620 [=====>...] - ETA: 1:29 -
    loss: 0.5702 - acc: 0.7106
594 582/620 [=====>...] - ETA: 1:27 -
    loss: 0.5703 - acc: 0.7105
595 583/620 [=====>...] - ETA: 1:24 -
    loss: 0.5701 - acc: 0.7105
596 584/620 [=====>...] - ETA: 1:22 -
    loss: 0.5700 - acc: 0.7104
597 585/620 [=====>...] - ETA: 1:20 -
    loss: 0.5699 - acc: 0.7105
598 586/620 [=====>...] - ETA: 1:18 -
    loss: 0.5698 - acc: 0.7104
599 587/620 [=====>...] - ETA: 1:15 -
    loss: 0.5698 - acc: 0.7104
600 588/620 [=====>...] - ETA: 1:13 -
    loss: 0.5695 - acc: 0.7107
601 589/620 [=====>...] - ETA: 1:11 -
    loss: 0.5696 - acc: 0.7106
602 590/620 [=====>...] - ETA: 1:08 -
    loss: 0.5698 - acc: 0.7105
603 591/620 [=====>...] - ETA: 1:06 -
    loss: 0.5696 - acc: 0.7107
604 592/620 [=====>...] - ETA: 1:04 -
    loss: 0.5698 - acc: 0.7105
605 593/620 [=====>...] - ETA: 1:01 -
    loss: 0.5698 - acc: 0.7105
606 594/620 [=====>...] - ETA: 59s -
    loss: 0.5698 - acc: 0.7105
607 595/620 [=====>...] - ETA: 57s -
    loss: 0.5696 - acc: 0.7107
608 596/620 [=====>...] - ETA: 55s -
    loss: 0.5694 - acc: 0.7109
609 597/620 [=====>...] - ETA: 52s -
    loss: 0.5694 - acc: 0.7108
610 598/620 [=====>...] - ETA: 50s -
```

```
610 loss: 0.5692 - acc: 0.7111
611 599/620 [=====>..] - ETA: 48s -
    loss: 0.5691 - acc: 0.7111
612 600/620 [=====>..] - ETA: 45s -
    loss: 0.5691 - acc: 0.7112
613 601/620 [=====>..] - ETA: 43s -
    loss: 0.5689 - acc: 0.7113
614 602/620 [=====>..] - ETA: 41s -
    loss: 0.5689 - acc: 0.7113
615 603/620 [=====>..] - ETA: 39s -
    loss: 0.5689 - acc: 0.7113
616 604/620 [=====>..] - ETA: 36s -
    loss: 0.5689 - acc: 0.7114
617 605/620 [=====>..] - ETA: 34s -
    loss: 0.5687 - acc: 0.7115
618 606/620 [=====>..] - ETA: 32s -
    loss: 0.5686 - acc: 0.7115
619 607/620 [=====>..] - ETA: 29s -
    loss: 0.5684 - acc: 0.7117
620 608/620 [=====>..] - ETA: 27s -
    loss: 0.5683 - acc: 0.7118
621 609/620 [=====>..] - ETA: 25s -
    loss: 0.5685 - acc: 0.7117
622 610/620 [=====>..] - ETA: 22s -
    loss: 0.5683 - acc: 0.7117
623 611/620 [=====>..] - ETA: 20s -
    loss: 0.5681 - acc: 0.7118
624 612/620 [=====>..] - ETA: 18s -
    loss: 0.5679 - acc: 0.7120
625 613/620 [=====>..] - ETA: 16s -
    loss: 0.5679 - acc: 0.7120
626 614/620 [=====>..] - ETA: 13s -
    loss: 0.5681 - acc: 0.7120
627 615/620 [=====>..] - ETA: 11s -
    loss: 0.5681 - acc: 0.7120
628 616/620 [=====>..] - ETA: 9s - loss
    : 0.5680 - acc: 0.7121
629 617/620 [=====>..] - ETA: 6s - loss
    : 0.5678 - acc: 0.7122
630 618/620 [=====>..] - ETA: 4s - loss
    : 0.5676 - acc: 0.7123
631 619/620 [=====>..] - ETA: 2s - loss
    : 0.5678 - acc: 0.7122
632 620/620 [=====] - 1465s 2s/step
    - loss: 0.5677 - acc: 0.7121 - val_loss: 0.5716 -
```

```
632 val_acc: 0.6755
633 Epoch 2/10
634
635 1/620 [........................] - ETA: 23:51 -
    loss: 0.5081 - acc: 0.7812
636 2/620 [........................] - ETA: 23:49 -
    loss: 0.4339 - acc: 0.8125
637 3/620 [........................] - ETA: 23:46 -
    loss: 0.4872 - acc: 0.7604
638 4/620 [........................] - ETA: 23:42 -
    loss: 0.5485 - acc: 0.7422
639 5/620 [........................] - ETA: 23:38 -
    loss: 0.5249 - acc: 0.7562
640 6/620 [........................] - ETA: 23:35 -
    loss: 0.5137 - acc: 0.7552
641 7/620 [........................] - ETA: 23:29 -
    loss: 0.5025 - acc: 0.7589
642 8/620 [........................] - ETA: 23:32 -
    loss: 0.5126 - acc: 0.7578
643 9/620 [........................] - ETA: 23:21 -
    loss: 0.5187 - acc: 0.7465
644 10/620 [........................] - ETA: 23:19 -
    loss: 0.5118 - acc: 0.7500
645 11/620 [........................] - ETA: 23:25 -
    loss: 0.5228 - acc: 0.7386
646 12/620 [........................] - ETA: 23:22 -
    loss: 0.5179 - acc: 0.7422
647 13/620 [........................] - ETA: 23:22 -
    loss: 0.5225 - acc: 0.7404
648 14/620 [........................] - ETA: 23:18 -
    loss: 0.5304 - acc: 0.7388
649 15/620 [........................] - ETA: 23:16 -
    loss: 0.5268 - acc: 0.7396
650 16/620 [........................] - ETA: 23:14 -
    loss: 0.5264 - acc: 0.7461
651 17/620 [........................] - ETA: 23:11 -
    loss: 0.5292 - acc: 0.7426
652 18/620 [........................] - ETA: 23:07 -
    loss: 0.5323 - acc: 0.7396
653 19/620 [........................] - ETA: 23:14 -
    loss: 0.5320 - acc: 0.7418
654 20/620 [........................] - ETA: 22:40 -
    loss: 0.5357 - acc: 0.7380
655 21/620 [>........................] - ETA: 22:47 -
    loss: 0.5332 - acc: 0.7401
```

```
656 22/620 [>.....] - ETA: 22:45 -
    loss: 0.5345 - acc: 0.7420
657 23/620 [>.....] - ETA: 22:43 -
    loss: 0.5336 - acc: 0.7450
658 24/620 [>.....] - ETA: 22:41 -
    loss: 0.5377 - acc: 0.7400
659 25/620 [>.....] - ETA: 22:39 -
    loss: 0.5365 - acc: 0.7417
660 26/620 [>.....] - ETA: 22:37 -
    loss: 0.5375 - acc: 0.7384
661 27/620 [>.....] - ETA: 22:37 -
    loss: 0.5352 - acc: 0.7400
662 28/620 [>.....] - ETA: 22:35 -
    loss: 0.5323 - acc: 0.7414
663 29/620 [>.....] - ETA: 22:32 -
    loss: 0.5296 - acc: 0.7428
664 30/620 [>.....] - ETA: 22:30 -
    loss: 0.5273 - acc: 0.7441
665 31/620 [>.....] - ETA: 22:28 -
    loss: 0.5250 - acc: 0.7453
666 32/620 [>.....] - ETA: 22:25 -
    loss: 0.5324 - acc: 0.7386
667 33/620 [>.....] - ETA: 22:24 -
    loss: 0.5262 - acc: 0.7437
668 34/620 [>.....] - ETA: 22:27 -
    loss: 0.5297 - acc: 0.7439
669 35/620 [>.....] - ETA: 22:24 -
    loss: 0.5335 - acc: 0.7414
670 36/620 [>.....] - ETA: 22:23 -
    loss: 0.5325 - acc: 0.7416
671 37/620 [>.....] - ETA: 22:21 -
    loss: 0.5293 - acc: 0.7435
672 38/620 [>.....] - ETA: 22:19 -
    loss: 0.5345 - acc: 0.7404
673 39/620 [>.....] - ETA: 22:17 -
    loss: 0.5347 - acc: 0.7407
674 40/620 [>.....] - ETA: 21:58 -
    loss: 0.5340 - acc: 0.7388
675 41/620 [>.....] - ETA: 21:56 -
    loss: 0.5378 - acc: 0.7345
676 42/620 [=>.....] - ETA: 21:54 -
    loss: 0.5383 - acc: 0.7334
677 43/620 [=>.....] - ETA: 21:52 -
    loss: 0.5372 - acc: 0.7330
678 44/620 [=>.....] - ETA: 21:50 -
```

```
678 loss: 0.5356 - acc: 0.7348
679 45/620 [=>.....] - ETA: 21:48 -
    loss: 0.5378 - acc: 0.7324
680 46/620 [=>.....] - ETA: 21:46 -
    loss: 0.5374 - acc: 0.7335
681 47/620 [=>.....] - ETA: 21:48 -
    loss: 0.5363 - acc: 0.7358
682 48/620 [=>.....] - ETA: 21:48 -
    loss: 0.5373 - acc: 0.7355
683 49/620 [=>.....] - ETA: 21:45 -
    loss: 0.5369 - acc: 0.7351
684 50/620 [=>.....] - ETA: 21:42 -
    loss: 0.5340 - acc: 0.7373
685 51/620 [=>.....] - ETA: 21:41 -
    loss: 0.5364 - acc: 0.7351
686 52/620 [=>.....] - ETA: 21:39 -
    loss: 0.5399 - acc: 0.7312
687 53/620 [=>.....] - ETA: 21:37 -
    loss: 0.5407 - acc: 0.7315
688 54/620 [=>.....] - ETA: 21:35 -
    loss: 0.5409 - acc: 0.7307
689 55/620 [=>.....] - ETA: 21:33 -
    loss: 0.5387 - acc: 0.7311
690 56/620 [=>.....] - ETA: 21:30 -
    loss: 0.5373 - acc: 0.7336
691 57/620 [=>.....] - ETA: 21:28 -
    loss: 0.5372 - acc: 0.7328
692 58/620 [=>.....] - ETA: 21:25 -
    loss: 0.5372 - acc: 0.7337
693 59/620 [=>.....] - ETA: 21:24 -
    loss: 0.5353 - acc: 0.7345
694 60/620 [=>.....] - ETA: 21:11 -
    loss: 0.5352 - acc: 0.7347
695 61/620 [=>.....] - ETA: 21:10 -
    loss: 0.5357 - acc: 0.7339
696 62/620 [==>.....] - ETA: 21:07 -
    loss: 0.5353 - acc: 0.7342
697 63/620 [==>.....] - ETA: 21:06 -
    loss: 0.5349 - acc: 0.7345
698 64/620 [==>.....] - ETA: 21:04 -
    loss: 0.5356 - acc: 0.7337
699 65/620 [==>.....] - ETA: 21:02 -
    loss: 0.5358 - acc: 0.7340
700 66/620 [==>.....] - ETA: 21:00 -
    loss: 0.5368 - acc: 0.7333
```

File - cnn_2D_model

```
701 67/620 [==>.....] - ETA: 20:58 -
    loss: 0.5375 - acc: 0.7331
702 68/620 [==>.....] - ETA: 20:56 -
    loss: 0.5377 - acc: 0.7347
703 69/620 [==>.....] - ETA: 20:53 -
    loss: 0.5366 - acc: 0.7354
704 70/620 [==>.....] - ETA: 20:51 -
    loss: 0.5347 - acc: 0.7365
705 71/620 [==>.....] - ETA: 20:50 -
    loss: 0.5344 - acc: 0.7375
706 72/620 [==>.....] - ETA: 20:51 -
    loss: 0.5352 - acc: 0.7373
707 73/620 [==>.....] - ETA: 20:51 -
    loss: 0.5351 - acc: 0.7374
708 74/620 [==>.....] - ETA: 20:48 -
    loss: 0.5359 - acc: 0.7376
709 75/620 [==>.....] - ETA: 20:46 -
    loss: 0.5345 - acc: 0.7386
710 76/620 [==>.....] - ETA: 20:44 -
    loss: 0.5342 - acc: 0.7379
711 77/620 [==>.....] - ETA: 20:42 -
    loss: 0.5343 - acc: 0.7377
712 78/620 [==>.....] - ETA: 20:39 -
    loss: 0.5329 - acc: 0.7390
713 79/620 [==>.....] - ETA: 20:37 -
    loss: 0.5333 - acc: 0.7384
714 80/620 [==>.....] - ETA: 20:27 -
    loss: 0.5307 - acc: 0.7396
715 81/620 [==>.....] - ETA: 20:25 -
    loss: 0.5317 - acc: 0.7393
716 82/620 [==>.....] - ETA: 20:22 -
    loss: 0.5325 - acc: 0.7391
717 83/620 [==>.....] - ETA: 20:20 -
    loss: 0.5312 - acc: 0.7407
718 84/620 [==>.....] - ETA: 20:18 -
    loss: 0.5317 - acc: 0.7405
719 85/620 [==>.....] - ETA: 20:16 -
    loss: 0.5307 - acc: 0.7409
720 86/620 [==>.....] - ETA: 20:15 -
    loss: 0.5314 - acc: 0.7407
721 87/620 [==>.....] - ETA: 20:13 -
    loss: 0.5318 - acc: 0.7397
722 88/620 [==>.....] - ETA: 20:11 -
    loss: 0.5317 - acc: 0.7395
723 89/620 [==>.....] - ETA: 20:08 -
```

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723 loss: 0.5308 - acc: 0.7406
724 90/620 [====>.....] - ETA: 20:06 -
    loss: 0.5296 - acc: 0.7418
725 91/620 [====>.....] - ETA: 20:03 -
    loss: 0.5310 - acc: 0.7412
726 92/620 [====>.....] - ETA: 20:01 -
    loss: 0.5299 - acc: 0.7420
727 93/620 [====>.....] - ETA: 19:59 -
    loss: 0.5287 - acc: 0.7427
728 94/620 [====>.....] - ETA: 19:57 -
    loss: 0.5296 - acc: 0.7418
729 95/620 [====>.....] - ETA: 19:55 -
    loss: 0.5310 - acc: 0.7412
730 96/620 [====>.....] - ETA: 19:52 -
    loss: 0.5308 - acc: 0.7410
731 97/620 [====>.....] - ETA: 19:50 -
    loss: 0.5298 - acc: 0.7414
732 98/620 [====>.....] - ETA: 19:48 -
    loss: 0.5296 - acc: 0.7412
733 99/620 [====>.....] - ETA: 19:48 -
    loss: 0.5291 - acc: 0.7419
734 100/620 [====>.....] - ETA: 19:40 -
    loss: 0.5305 - acc: 0.7403
735 101/620 [====>.....] - ETA: 19:38 -
    loss: 0.5303 - acc: 0.7401
736 102/620 [====>.....] - ETA: 19:36 -
    loss: 0.5302 - acc: 0.7405
737 103/620 [====>.....] - ETA: 19:34 -
    loss: 0.5308 - acc: 0.7400
738 104/620 [=====>.....] - ETA: 19:32 -
    loss: 0.5321 - acc: 0.7392
739 105/620 [=====>.....] - ETA: 19:30 -
    loss: 0.5323 - acc: 0.7387
740 106/620 [=====>.....] - ETA: 19:27 -
    loss: 0.5321 - acc: 0.7391
741 107/620 [=====>.....] - ETA: 19:25 -
    loss: 0.5336 - acc: 0.7383
742 108/620 [=====>.....] - ETA: 19:23 -
    loss: 0.5338 - acc: 0.7376
743 109/620 [=====>.....] - ETA: 19:20 -
    loss: 0.5329 - acc: 0.7382
744 110/620 [=====>.....] - ETA: 19:18 -
    loss: 0.5333 - acc: 0.7381
745 111/620 [=====>.....] - ETA: 19:16 -
    loss: 0.5328 - acc: 0.7387
```

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746 112/620 [=====>.....] - ETA: 19:13 -
    loss: 0.5317 - acc: 0.7400
747 113/620 [=====>.....] - ETA: 19:11 -
    loss: 0.5306 - acc: 0.7409
748 114/620 [=====>.....] - ETA: 19:09 -
    loss: 0.5301 - acc: 0.7412
749 115/620 [=====>.....] - ETA: 19:07 -
    loss: 0.5296 - acc: 0.7413
750 116/620 [=====>.....] - ETA: 19:06 -
    loss: 0.5300 - acc: 0.7416
751 117/620 [=====>.....] - ETA: 19:05 -
    loss: 0.5296 - acc: 0.7415
752 118/620 [=====>.....] - ETA: 19:03 -
    loss: 0.5295 - acc: 0.7410
753 119/620 [=====>.....] - ETA: 19:01 -
    loss: 0.5293 - acc: 0.7411
754 120/620 [=====>.....] - ETA: 18:54 -
    loss: 0.5275 - acc: 0.7418
755 121/620 [=====>.....] - ETA: 18:52 -
    loss: 0.5275 - acc: 0.7416
756 122/620 [=====>.....] - ETA: 18:50 -
    loss: 0.5268 - acc: 0.7420
757 123/620 [=====>.....] - ETA: 18:48 -
    loss: 0.5266 - acc: 0.7418
758 124/620 [=====>.....] - ETA: 18:45 -
    loss: 0.5260 - acc: 0.7424
759 125/620 [=====>.....] - ETA: 18:43 -
    loss: 0.5261 - acc: 0.7427
760 126/620 [=====>.....] - ETA: 18:42 -
    loss: 0.5253 - acc: 0.7435
761 127/620 [=====>.....] - ETA: 18:41 -
    loss: 0.5260 - acc: 0.7435
762 128/620 [=====>.....] - ETA: 18:40 -
    loss: 0.5253 - acc: 0.7436
763 129/620 [=====>.....] - ETA: 18:37 -
    loss: 0.5242 - acc: 0.7436
764 130/620 [=====>.....] - ETA: 18:35 -
    loss: 0.5244 - acc: 0.7437
765 131/620 [=====>.....] - ETA: 18:33 -
    loss: 0.5240 - acc: 0.7440
766 132/620 [=====>.....] - ETA: 18:31 -
    loss: 0.5240 - acc: 0.7440
767 133/620 [=====>.....] - ETA: 18:28 -
    loss: 0.5252 - acc: 0.7429
768 134/620 [=====>.....] - ETA: 18:26 -
```

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768 loss: 0.5248 - acc: 0.7432
769 135/620 [=====>.....] - ETA: 18:24 -
    loss: 0.5253 - acc: 0.7432
770 136/620 [=====>.....] - ETA: 18:22 -
    loss: 0.5248 - acc: 0.7437
771 137/620 [=====>.....] - ETA: 18:20 -
    loss: 0.5254 - acc: 0.7431
772 138/620 [=====>.....] - ETA: 18:17 -
    loss: 0.5256 - acc: 0.7434
773 139/620 [=====>.....] - ETA: 18:15 -
    loss: 0.5259 - acc: 0.7427
774 140/620 [=====>.....] - ETA: 18:09 -
    loss: 0.5260 - acc: 0.7422
775 141/620 [=====>.....] - ETA: 18:08 -
    loss: 0.5256 - acc: 0.7425
776 142/620 [=====>.....] - ETA: 18:05 -
    loss: 0.5262 - acc: 0.7419
777 143/620 [=====>.....] - ETA: 18:03 -
    loss: 0.5257 - acc: 0.7428
778 144/620 [=====>.....] - ETA: 18:01 -
    loss: 0.5263 - acc: 0.7422
779 145/620 [=====>.....] - ETA: 17:59 -
    loss: 0.5255 - acc: 0.7422
780 146/620 [=====>.....] - ETA: 17:57 -
    loss: 0.5250 - acc: 0.7427
781 147/620 [=====>.....] - ETA: 17:54 -
    loss: 0.5248 - acc: 0.7430
782 148/620 [=====>.....] - ETA: 17:52 -
    loss: 0.5248 - acc: 0.7432
783 149/620 [=====>.....] - ETA: 17:50 -
    loss: 0.5248 - acc: 0.7435
784 150/620 [=====>.....] - ETA: 17:48 -
    loss: 0.5262 - acc: 0.7427
785 151/620 [=====>.....] - ETA: 17:45 -
    loss: 0.5259 - acc: 0.7432
786 152/620 [=====>.....] - ETA: 17:43 -
    loss: 0.5291 - acc: 0.7405
787 153/620 [=====>.....] - ETA: 17:41 -
    loss: 0.5296 - acc: 0.7404
788 154/620 [=====>.....] - ETA: 17:40 -
    loss: 0.5292 - acc: 0.7405
789 155/620 [=====>.....] - ETA: 17:38 -
    loss: 0.5292 - acc: 0.7405
790 156/620 [=====>.....] - ETA: 17:36 -
    loss: 0.5287 - acc: 0.7406
```

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791 157/620 [=====>.....] - ETA: 17:34 -
    loss: 0.5282 - acc: 0.7410
792 158/620 [=====>.....] - ETA: 17:31 -
    loss: 0.5284 - acc: 0.7411
793 159/620 [=====>.....] - ETA: 17:29 -
    loss: 0.5280 - acc: 0.7415
794 160/620 [=====>.....] - ETA: 17:24 -
    loss: 0.5296 - acc: 0.7406
795 161/620 [=====>.....] - ETA: 17:21 -
    loss: 0.5296 - acc: 0.7408
796 162/620 [=====>.....] - ETA: 17:19 -
    loss: 0.5287 - acc: 0.7418
797 163/620 [=====>.....] - ETA: 17:17 -
    loss: 0.5295 - acc: 0.7417
798 164/620 [=====>.....] - ETA: 17:15 -
    loss: 0.5299 - acc: 0.7414
799 165/620 [=====>.....] - ETA: 17:12 -
    loss: 0.5298 - acc: 0.7412
800 166/620 [=====>.....] - ETA: 17:10 -
    loss: 0.5296 - acc: 0.7415
801 167/620 [=====>.....] - ETA: 17:08 -
    loss: 0.5295 - acc: 0.7421
802 168/620 [=====>.....] - ETA: 17:06 -
    loss: 0.5292 - acc: 0.7423
803 169/620 [=====>.....] - ETA: 17:04 -
    loss: 0.5294 - acc: 0.7427
804 170/620 [=====>.....] - ETA: 17:01 -
    loss: 0.5298 - acc: 0.7426
805 171/620 [=====>.....] - ETA: 16:59 -
    loss: 0.5297 - acc: 0.7426
806 172/620 [=====>.....] - ETA: 16:57 -
    loss: 0.5301 - acc: 0.7429
807 173/620 [=====>.....] - ETA: 16:55 -
    loss: 0.5303 - acc: 0.7429
808 174/620 [=====>.....] - ETA: 16:52 -
    loss: 0.5296 - acc: 0.7435
809 175/620 [=====>.....] - ETA: 16:50 -
    loss: 0.5293 - acc: 0.7437
810 176/620 [=====>.....] - ETA: 16:48 -
    loss: 0.5288 - acc: 0.7439
811 177/620 [=====>.....] - ETA: 16:46 -
    loss: 0.5290 - acc: 0.7434
812 178/620 [=====>.....] - ETA: 16:45 -
    loss: 0.5288 - acc: 0.7436
813 179/620 [=====>.....] - ETA: 16:43 -
```

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813 loss: 0.5293 - acc: 0.7431
814 180/620 [=====>.....] - ETA: 16:38 -
    loss: 0.5285 - acc: 0.7436
815 181/620 [=====>.....] - ETA: 16:36 -
    loss: 0.5286 - acc: 0.7435
816 182/620 [=====>.....] - ETA: 16:34 -
    loss: 0.5285 - acc: 0.7437
817 183/620 [=====>.....] - ETA: 16:32 -
    loss: 0.5293 - acc: 0.7431
818 184/620 [=====>.....] - ETA: 16:29 -
    loss: 0.5288 - acc: 0.7431
819 185/620 [=====>.....] - ETA: 16:27 -
    loss: 0.5291 - acc: 0.7431
820 186/620 [=====>.....] - ETA: 16:25 -
    loss: 0.5290 - acc: 0.7432
821 187/620 [=====>.....] - ETA: 16:23 -
    loss: 0.5286 - acc: 0.7434
822 188/620 [=====>.....] - ETA: 16:20 -
    loss: 0.5283 - acc: 0.7439
823 189/620 [=====>.....] - ETA: 16:18 -
    loss: 0.5286 - acc: 0.7434
824 190/620 [=====>.....] - ETA: 16:16 -
    loss: 0.5289 - acc: 0.7431
825 191/620 [=====>.....] - ETA: 16:14 -
    loss: 0.5296 - acc: 0.7429
826 192/620 [=====>.....] - ETA: 16:12 -
    loss: 0.5297 - acc: 0.7426
827 193/620 [=====>.....] - ETA: 16:10 -
    loss: 0.5293 - acc: 0.7429
828 194/620 [=====>.....] - ETA: 16:08 -
    loss: 0.5299 - acc: 0.7422
829 195/620 [=====>.....] - ETA: 16:05 -
    loss: 0.5297 - acc: 0.7422
830 196/620 [=====>.....] - ETA: 16:03 -
    loss: 0.5300 - acc: 0.7419
831 197/620 [=====>.....] - ETA: 16:01 -
    loss: 0.5302 - acc: 0.7415
832 198/620 [=====>.....] - ETA: 15:58 -
    loss: 0.5299 - acc: 0.7418
833 199/620 [=====>.....] - ETA: 15:56 -
    loss: 0.5295 - acc: 0.7424
834 200/620 [=====>.....] - ETA: 15:51 -
    loss: 0.5290 - acc: 0.7428
835 201/620 [=====>.....] - ETA: 15:49 -
    loss: 0.5292 - acc: 0.7428
```

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836 202/620 [=====>.....] - ETA: 15:47 -
    loss: 0.5293 - acc: 0.7427
837 203/620 [=====>.....] - ETA: 15:45 -
    loss: 0.5290 - acc: 0.7428
838 204/620 [=====>.....] - ETA: 15:42 -
    loss: 0.5287 - acc: 0.7428
839 205/620 [=====>.....] - ETA: 15:40 -
    loss: 0.5283 - acc: 0.7430
840 206/620 [=====>.....] - ETA: 15:39 -
    loss: 0.5277 - acc: 0.7432
841 207/620 [=====>.....] - ETA: 15:37 -
    loss: 0.5273 - acc: 0.7437
842 208/620 [=====>.....] - ETA: 15:35 -
    loss: 0.5270 - acc: 0.7440
843 209/620 [=====>.....] - ETA: 15:32 -
    loss: 0.5272 - acc: 0.7442
844 210/620 [=====>.....] - ETA: 15:30 -
    loss: 0.5317 - acc: 0.7427
845 211/620 [=====>.....] - ETA: 15:28 -
    loss: 0.5327 - acc: 0.7420
846 212/620 [=====>.....] - ETA: 15:26 -
    loss: 0.5329 - acc: 0.7425
847 213/620 [=====>.....] - ETA: 15:24 -
    loss: 0.5327 - acc: 0.7425
848 214/620 [=====>.....] - ETA: 15:21 -
    loss: 0.5325 - acc: 0.7427
849 215/620 [=====>.....] - ETA: 15:19 -
    loss: 0.5331 - acc: 0.7423
850 216/620 [=====>.....] - ETA: 15:17 -
    loss: 0.5334 - acc: 0.7420
851 217/620 [=====>.....] - ETA: 15:15 -
    loss: 0.5333 - acc: 0.7422
852 218/620 [=====>.....] - ETA: 15:12 -
    loss: 0.5334 - acc: 0.7420
853 219/620 [=====>.....] - ETA: 15:10 -
    loss: 0.5335 - acc: 0.7417
854 220/620 [=====>.....] - ETA: 15:06 -
    loss: 0.5326 - acc: 0.7425
855 221/620 [=====>.....] - ETA: 15:04 -
    loss: 0.5326 - acc: 0.7421
856 222/620 [=====>.....] - ETA: 15:02 -
    loss: 0.5321 - acc: 0.7424
857 223/620 [=====>.....] - ETA: 14:59 -
    loss: 0.5324 - acc: 0.7425
858 224/620 [=====>.....] - ETA: 14:57 -
```

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858 loss: 0.5327 - acc: 0.7424
859 225/620 [=====>.....] - ETA: 14:55 -
    loss: 0.5329 - acc: 0.7424
860 226/620 [=====>.....] - ETA: 14:53 -
    loss: 0.5321 - acc: 0.7433
861 227/620 [=====>.....] - ETA: 14:50 -
    loss: 0.5318 - acc: 0.7433
862 228/620 [=====>.....] - ETA: 14:48 -
    loss: 0.5323 - acc: 0.7433
863 229/620 [=====>.....] - ETA: 14:46 -
    loss: 0.5316 - acc: 0.7438
864 230/620 [=====>.....] - ETA: 14:44 -
    loss: 0.5320 - acc: 0.7434
865 231/620 [=====>.....] - ETA: 14:42 -
    loss: 0.5320 - acc: 0.7433
866 232/620 [=====>.....] - ETA: 14:40 -
    loss: 0.5320 - acc: 0.7434
867 233/620 [=====>.....] - ETA: 14:38 -
    loss: 0.5324 - acc: 0.7433
868 234/620 [=====>.....] - ETA: 14:36 -
    loss: 0.5324 - acc: 0.7431
869 235/620 [=====>.....] - ETA: 14:34 -
    loss: 0.5324 - acc: 0.7430
870 236/620 [=====>.....] - ETA: 14:31 -
    loss: 0.5327 - acc: 0.7429
871 237/620 [=====>.....] - ETA: 14:29 -
    loss: 0.5326 - acc: 0.7427
872 238/620 [=====>.....] - ETA: 14:27 -
    loss: 0.5329 - acc: 0.7420
873 239/620 [=====>.....] - ETA: 14:25 -
    loss: 0.5327 - acc: 0.7425
874 240/620 [=====>.....] - ETA: 14:21 -
    loss: 0.5323 - acc: 0.7425
875 241/620 [=====>.....] - ETA: 14:18 -
    loss: 0.5321 - acc: 0.7425
876 242/620 [=====>.....] - ETA: 14:16 -
    loss: 0.5315 - acc: 0.7427
877 243/620 [=====>.....] - ETA: 14:14 -
    loss: 0.5315 - acc: 0.7428
878 244/620 [=====>.....] - ETA: 14:12 -
    loss: 0.5316 - acc: 0.7427
879 245/620 [=====>.....] - ETA: 14:10 -
    loss: 0.5319 - acc: 0.7428
880 246/620 [=====>.....] - ETA: 14:08 -
    loss: 0.5317 - acc: 0.7431
```

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881 247/620 [=====>.....] - ETA: 14:05 -
    loss: 0.5316 - acc: 0.7433
882 248/620 [=====>.....] - ETA: 14:03 -
    loss: 0.5322 - acc: 0.7425
883 249/620 [=====>.....] - ETA: 14:01 -
    loss: 0.5319 - acc: 0.7428
884 250/620 [=====>.....] - ETA: 13:59 -
    loss: 0.5317 - acc: 0.7427
885 251/620 [=====>.....] - ETA: 13:56 -
    loss: 0.5317 - acc: 0.7426
886 252/620 [=====>.....] - ETA: 13:54 -
    loss: 0.5316 - acc: 0.7427
887 253/620 [=====>.....] - ETA: 13:52 -
    loss: 0.5313 - acc: 0.7430
888 254/620 [=====>.....] - ETA: 13:50 -
    loss: 0.5315 - acc: 0.7428
889 255/620 [=====>.....] - ETA: 13:47 -
    loss: 0.5319 - acc: 0.7423
890 256/620 [=====>.....] - ETA: 13:45 -
    loss: 0.5317 - acc: 0.7424
891 257/620 [=====>.....] - ETA: 13:43 -
    loss: 0.5314 - acc: 0.7425
892 258/620 [=====>.....] - ETA: 13:41 -
    loss: 0.5317 - acc: 0.7425
893 259/620 [=====>.....] - ETA: 13:39 -
    loss: 0.5319 - acc: 0.7423
894 260/620 [=====>.....] - ETA: 13:35 -
    loss: 0.5329 - acc: 0.7420
895 261/620 [=====>.....] - ETA: 13:33 -
    loss: 0.5324 - acc: 0.7423
896 262/620 [=====>.....] - ETA: 13:31 -
    loss: 0.5324 - acc: 0.7422
897 263/620 [=====>.....] - ETA: 13:29 -
    loss: 0.5325 - acc: 0.7422
898 264/620 [=====>.....] - ETA: 13:26 -
    loss: 0.5323 - acc: 0.7424
899 265/620 [=====>.....] - ETA: 13:24 -
    loss: 0.5326 - acc: 0.7418
900 266/620 [=====>.....] - ETA: 13:22 -
    loss: 0.5325 - acc: 0.7421
901 267/620 [=====>.....] - ETA: 13:20 -
    loss: 0.5329 - acc: 0.7420
902 268/620 [=====>.....] - ETA: 13:18 -
    loss: 0.5328 - acc: 0.7420
903 269/620 [=====>.....] - ETA: 13:16 -
```

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903 loss: 0.5329 - acc: 0.7417
904 270/620 [=====>.....] - ETA: 13:13 -
    loss: 0.5325 - acc: 0.7421
905 271/620 [=====>.....] - ETA: 13:11 -
    loss: 0.5323 - acc: 0.7424
906 272/620 [=====>.....] - ETA: 13:09 -
    loss: 0.5322 - acc: 0.7423
907 273/620 [=====>.....] - ETA: 13:07 -
    loss: 0.5322 - acc: 0.7419
908 274/620 [=====>.....] - ETA: 13:05 -
    loss: 0.5321 - acc: 0.7422
909 275/620 [=====>.....] - ETA: 13:02 -
    loss: 0.5324 - acc: 0.7421
910 276/620 [=====>.....] - ETA: 13:00 -
    loss: 0.5326 - acc: 0.7417
911 277/620 [=====>.....] - ETA: 12:58 -
    loss: 0.5326 - acc: 0.7414
912 278/620 [=====>.....] - ETA: 12:56 -
    loss: 0.5329 - acc: 0.7412
913 279/620 [=====>.....] - ETA: 12:53 -
    loss: 0.5327 - acc: 0.7413
914 280/620 [=====>.....] - ETA: 12:50 -
    loss: 0.5324 - acc: 0.7414
915 281/620 [=====>.....] - ETA: 12:47 -
    loss: 0.5319 - acc: 0.7418
916 282/620 [=====>.....] - ETA: 12:45 -
    loss: 0.5322 - acc: 0.7421
917 283/620 [=====>.....] - ETA: 12:43 -
    loss: 0.5318 - acc: 0.7421
918 284/620 [=====>.....] - ETA: 12:41 -
    loss: 0.5319 - acc: 0.7418
919 285/620 [=====>.....] - ETA: 12:39 -
    loss: 0.5319 - acc: 0.7420
920 286/620 [=====>.....] - ETA: 12:37 -
    loss: 0.5318 - acc: 0.7421
921 287/620 [=====>.....] - ETA: 12:35 -
    loss: 0.5317 - acc: 0.7422
922 288/620 [=====>.....] - ETA: 12:33 -
    loss: 0.5317 - acc: 0.7422
923 289/620 [=====>.....] - ETA: 12:30 -
    loss: 0.5317 - acc: 0.7422
924 290/620 [=====>.....] - ETA: 12:28 -
    loss: 0.5315 - acc: 0.7421
925 291/620 [=====>.....] - ETA: 12:26 -
    loss: 0.5313 - acc: 0.7422
```

```
926 292/620 [=====>.....] - ETA: 12:24 -
    loss: 0.5313 - acc: 0.7424
927 293/620 [=====>.....] - ETA: 12:21 -
    loss: 0.5320 - acc: 0.7419
928 294/620 [=====>.....] - ETA: 12:19 -
    loss: 0.5320 - acc: 0.7419
929 295/620 [=====>.....] - ETA: 12:17 -
    loss: 0.5324 - acc: 0.7416
930 296/620 [=====>.....] - ETA: 12:15 -
    loss: 0.5326 - acc: 0.7415
931 297/620 [=====>.....] - ETA: 12:13 -
    loss: 0.5325 - acc: 0.7418
932 298/620 [=====>.....] - ETA: 12:10 -
    loss: 0.5325 - acc: 0.7418
933 299/620 [=====>.....] - ETA: 12:08 -
    loss: 0.5326 - acc: 0.7418
934 300/620 [=====>.....] - ETA: 12:05 -
    loss: 0.5324 - acc: 0.7418
935 301/620 [=====>.....] - ETA: 12:03 -
    loss: 0.5323 - acc: 0.7419
936 302/620 [=====>.....] - ETA: 12:00 -
    loss: 0.5318 - acc: 0.7421
937 303/620 [=====>.....] - ETA: 11:58 -
    loss: 0.5317 - acc: 0.7422
938 304/620 [=====>.....] - ETA: 11:56 -
    loss: 0.5318 - acc: 0.7423
939 305/620 [=====>.....] - ETA: 11:54 -
    loss: 0.5316 - acc: 0.7425
940 306/620 [=====>.....] - ETA: 11:52 -
    loss: 0.5315 - acc: 0.7422
941 307/620 [=====>.....] - ETA: 11:49 -
    loss: 0.5317 - acc: 0.7419
942 308/620 [=====>.....] - ETA: 11:47 -
    loss: 0.5317 - acc: 0.7420
943 309/620 [=====>.....] - ETA: 11:45 -
    loss: 0.5317 - acc: 0.7419
944 310/620 [=====>.....] - ETA: 11:43 -
    loss: 0.5315 - acc: 0.7419
945 311/620 [=====>.....] - ETA: 11:41 -
    loss: 0.5318 - acc: 0.7417
946 312/620 [=====>.....] - ETA: 11:39 -
    loss: 0.5318 - acc: 0.7420
947 313/620 [=====>.....] - ETA: 11:37 -
    loss: 0.5317 - acc: 0.7421
948 314/620 [=====>.....] - ETA: 11:34 -
```

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948 loss: 0.5321 - acc: 0.7418
949 315/620 [=====>.....] - ETA: 11:32 -
    loss: 0.5321 - acc: 0.7418
950 316/620 [=====>.....] - ETA: 11:30 -
    loss: 0.5324 - acc: 0.7417
951 317/620 [=====>.....] - ETA: 11:28 -
    loss: 0.5326 - acc: 0.7414
952 318/620 [=====>.....] - ETA: 11:25 -
    loss: 0.5326 - acc: 0.7414
953 319/620 [=====>.....] - ETA: 11:23 -
    loss: 0.5322 - acc: 0.7418
954 320/620 [=====>.....] - ETA: 11:20 -
    loss: 0.5317 - acc: 0.7426
955 321/620 [=====>.....] - ETA: 11:18 -
    loss: 0.5318 - acc: 0.7425
956 322/620 [=====>.....] - ETA: 11:15 -
    loss: 0.5315 - acc: 0.7427
957 323/620 [=====>.....] - ETA: 11:13 -
    loss: 0.5320 - acc: 0.7427
958 324/620 [=====>.....] - ETA: 11:11 -
    loss: 0.5317 - acc: 0.7431
959 325/620 [=====>.....] - ETA: 11:09 -
    loss: 0.5318 - acc: 0.7428
960 326/620 [=====>.....] - ETA: 11:06 -
    loss: 0.5321 - acc: 0.7422
961 327/620 [=====>.....] - ETA: 11:04 -
    loss: 0.5319 - acc: 0.7423
962 328/620 [=====>.....] - ETA: 11:02 -
    loss: 0.5319 - acc: 0.7424
963 329/620 [=====>.....] - ETA: 11:00 -
    loss: 0.5323 - acc: 0.7423
964 330/620 [=====>.....] - ETA: 10:58 -
    loss: 0.5320 - acc: 0.7424
965 331/620 [=====>.....] - ETA: 10:55 -
    loss: 0.5324 - acc: 0.7423
966 332/620 [=====>.....] - ETA: 10:53 -
    loss: 0.5319 - acc: 0.7426
967 333/620 [=====>.....] - ETA: 10:51 -
    loss: 0.5317 - acc: 0.7427
968 334/620 [=====>.....] - ETA: 10:49 -
    loss: 0.5316 - acc: 0.7430
969 335/620 [=====>.....] - ETA: 10:46 -
    loss: 0.5316 - acc: 0.7431
970 336/620 [=====>.....] - ETA: 10:44 -
    loss: 0.5317 - acc: 0.7430
```

```
971 337/620 [=====>.....] - ETA: 10:42 -
    loss: 0.5318 - acc: 0.7428
972 338/620 [=====>.....] - ETA: 10:40 -
    loss: 0.5318 - acc: 0.7430
973 339/620 [=====>.....] - ETA: 10:38 -
    loss: 0.5316 - acc: 0.7431
974 340/620 [=====>.....] - ETA: 10:35 -
    loss: 0.5319 - acc: 0.7429
975 341/620 [=====>.....] - ETA: 10:32 -
    loss: 0.5320 - acc: 0.7429
976 342/620 [=====>.....] - ETA: 10:30 -
    loss: 0.5319 - acc: 0.7428
977 343/620 [=====>.....] - ETA: 10:28 -
    loss: 0.5322 - acc: 0.7423
978 344/620 [=====>.....] - ETA: 10:26 -
    loss: 0.5320 - acc: 0.7425
979 345/620 [=====>.....] - ETA: 10:24 -
    loss: 0.5319 - acc: 0.7427
980 346/620 [=====>.....] - ETA: 10:21 -
    loss: 0.5320 - acc: 0.7425
981 347/620 [=====>.....] - ETA: 10:19 -
    loss: 0.5320 - acc: 0.7424
982 348/620 [=====>.....] - ETA: 10:17 -
    loss: 0.5320 - acc: 0.7425
983 349/620 [=====>.....] - ETA: 10:15 -
    loss: 0.5320 - acc: 0.7425
984 350/620 [=====>.....] - ETA: 10:12 -
    loss: 0.5317 - acc: 0.7427
985 351/620 [=====>.....] - ETA: 10:10 -
    loss: 0.5318 - acc: 0.7424
986 352/620 [=====>.....] - ETA: 10:08 -
    loss: 0.5316 - acc: 0.7425
987 353/620 [=====>.....] - ETA: 10:06 -
    loss: 0.5319 - acc: 0.7425
988 354/620 [=====>.....] - ETA: 10:04 -
    loss: 0.5318 - acc: 0.7426
989 355/620 [=====>.....] - ETA: 10:01 -
    loss: 0.5314 - acc: 0.7430
990 356/620 [=====>.....] - ETA: 9:59 -
    loss: 0.5318 - acc: 0.7427
991 357/620 [=====>.....] - ETA: 9:57 -
    loss: 0.5317 - acc: 0.7426
992 358/620 [=====>.....] - ETA: 9:55 -
    loss: 0.5313 - acc: 0.7428
993 359/620 [=====>.....] - ETA: 9:52 -
```

```
993 loss: 0.5314 - acc: 0.7427
994 360/620 [=====>.....] - ETA: 9:49 -
    loss: 0.5313 - acc: 0.7429
995 361/620 [=====>.....] - ETA: 9:47 -
    loss: 0.5311 - acc: 0.7431
996 362/620 [=====>.....] - ETA: 9:45 -
    loss: 0.5314 - acc: 0.7430
997 363/620 [=====>.....] - ETA: 9:42 -
    loss: 0.5315 - acc: 0.7429
998 364/620 [=====>.....] - ETA: 9:41 -
    loss: 0.5310 - acc: 0.7434
999 365/620 [=====>.....] - ETA: 9:40 -
    loss: 0.5305 - acc: 0.7440
1000 366/620 [=====>.....] - ETA: 9:38 -
    loss: 0.5303 - acc: 0.7443
1001 367/620 [=====>.....] - ETA: 9:36 -
    loss: 0.5305 - acc: 0.7441
1002 368/620 [=====>.....] - ETA: 9:34 -
    loss: 0.5304 - acc: 0.7441
1003 369/620 [=====>.....] - ETA: 9:32 -
    loss: 0.5301 - acc: 0.7444
1004 370/620 [=====>.....] - ETA: 9:29 -
    loss: 0.5302 - acc: 0.7445
1005 371/620 [=====>.....] - ETA: 9:27 -
    loss: 0.5306 - acc: 0.7442
1006 372/620 [=====>.....] - ETA: 9:25 -
    loss: 0.5308 - acc: 0.7440
1007 373/620 [=====>.....] - ETA: 9:23 -
    loss: 0.5308 - acc: 0.7440
1008 374/620 [=====>.....] - ETA: 9:21 -
    loss: 0.5303 - acc: 0.7441
1009 375/620 [=====>.....] - ETA: 9:19 -
    loss: 0.5302 - acc: 0.7442
1010 376/620 [=====>.....] - ETA: 9:17 -
    loss: 0.5303 - acc: 0.7442
1011 377/620 [=====>.....] - ETA: 9:14 -
    loss: 0.5305 - acc: 0.7439
1012 378/620 [=====>.....] - ETA: 9:12 -
    loss: 0.5307 - acc: 0.7438
1013 379/620 [=====>.....] - ETA: 9:10 -
    loss: 0.5307 - acc: 0.7438
1014 380/620 [=====>.....] - ETA: 9:07 -
    loss: 0.5305 - acc: 0.7440
1015 381/620 [=====>.....] - ETA: 9:05 -
    loss: 0.5306 - acc: 0.7438
```

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```
1016 382/620 [=====>.....] - ETA: 9:04 -
    loss: 0.5307 - acc: 0.7437
1017 383/620 [=====>.....] - ETA: 9:03 -
    loss: 0.5306 - acc: 0.7435
1018 384/620 [=====>.....] - ETA: 9:02 -
    loss: 0.5304 - acc: 0.7437
1019 385/620 [=====>.....] - ETA: 9:01 -
    loss: 0.5305 - acc: 0.7438
1020 386/620 [=====>.....] - ETA: 9:00 -
    loss: 0.5304 - acc: 0.7437
1021 387/620 [=====>.....] - ETA: 8:58 -
    loss: 0.5306 - acc: 0.7436
1022 388/620 [=====>.....] - ETA: 8:56 -
    loss: 0.5308 - acc: 0.7433
1023 389/620 [=====>.....] - ETA: 8:54 -
    loss: 0.5309 - acc: 0.7432
1024 390/620 [=====>.....] - ETA: 8:53 -
    loss: 0.5306 - acc: 0.7435
1025 391/620 [=====>.....] - ETA: 8:51 -
    loss: 0.5307 - acc: 0.7434
1026 392/620 [=====>.....] - ETA: 8:49 -
    loss: 0.5307 - acc: 0.7434
1027 393/620 [=====>.....] - ETA: 8:47 -
    loss: 0.5306 - acc: 0.7434
1028 394/620 [=====>.....] - ETA: 8:46 -
    loss: 0.5307 - acc: 0.7434
1029 395/620 [=====>.....] - ETA: 8:44 -
    loss: 0.5308 - acc: 0.7433
1030 396/620 [=====>.....] - ETA: 8:42 -
    loss: 0.5305 - acc: 0.7434
1031 397/620 [=====>.....] - ETA: 8:41 -
    loss: 0.5303 - acc: 0.7437
1032 398/620 [=====>.....] - ETA: 8:39 -
    loss: 0.5302 - acc: 0.7435
1033 399/620 [=====>.....] - ETA: 8:37 -
    loss: 0.5303 - acc: 0.7435
1034 400/620 [=====>.....] - ETA: 8:35 -
    loss: 0.5300 - acc: 0.7437
1035 401/620 [=====>.....] - ETA: 8:33 -
    loss: 0.5298 - acc: 0.7440
1036 402/620 [=====>.....] - ETA: 8:31 -
    loss: 0.5297 - acc: 0.7440
1037 403/620 [=====>.....] - ETA: 8:30 -
    loss: 0.5295 - acc: 0.7440
1038 404/620 [=====>.....] - ETA: 8:28 -
```

```
1038 loss: 0.5293 - acc: 0.7441
1039 405/620 [=====>.....] - ETA: 8:26 -
    loss: 0.5296 - acc: 0.7438
1040 406/620 [=====>.....] - ETA: 8:24 -
    loss: 0.5296 - acc: 0.7438
1041 407/620 [=====>.....] - ETA: 8:22 -
    loss: 0.5294 - acc: 0.7439
1042 408/620 [=====>.....] - ETA: 8:20 -
    loss: 0.5292 - acc: 0.7441
1043 409/620 [=====>.....] - ETA: 8:18 -
    loss: 0.5292 - acc: 0.7440
1044 410/620 [=====>.....] - ETA: 8:16 -
    loss: 0.5289 - acc: 0.7443
1045 411/620 [=====>.....] - ETA: 8:14 -
    loss: 0.5291 - acc: 0.7441
1046 412/620 [=====>.....] - ETA: 8:12 -
    loss: 0.5292 - acc: 0.7439
1047 413/620 [=====>.....] - ETA: 8:10 -
    loss: 0.5293 - acc: 0.7436
1048 414/620 [=====>.....] - ETA: 8:08 -
    loss: 0.5291 - acc: 0.7439
1049 415/620 [=====>.....] - ETA: 8:06 -
    loss: 0.5290 - acc: 0.7440
1050 416/620 [=====>.....] - ETA: 8:04 -
    loss: 0.5293 - acc: 0.7440
1051 417/620 [=====>.....] - ETA: 8:02 -
    loss: 0.5296 - acc: 0.7438
1052 418/620 [=====>.....] - ETA: 8:00 -
    loss: 0.5297 - acc: 0.7436
1053 419/620 [=====>.....] - ETA: 7:59 -
    loss: 0.5298 - acc: 0.7436
1054 420/620 [=====>.....] - ETA: 7:56 -
    loss: 0.5296 - acc: 0.7438
1055 421/620 [=====>.....] - ETA: 7:54 -
    loss: 0.5292 - acc: 0.7440
1056 422/620 [=====>.....] - ETA: 7:52 -
    loss: 0.5290 - acc: 0.7441
1057 423/620 [=====>.....] - ETA: 7:50 -
    loss: 0.5291 - acc: 0.7441
1058 424/620 [=====>.....] - ETA: 7:48 -
    loss: 0.5287 - acc: 0.7442
1059 425/620 [=====>.....] - ETA: 7:46 -
    loss: 0.5294 - acc: 0.7439
1060 426/620 [=====>.....] - ETA: 7:44 -
    loss: 0.5295 - acc: 0.7439
```

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```
1061 427/620 [=====>.....] - ETA: 7:42 -
    loss: 0.5295 - acc: 0.7437
1062 428/620 [=====>.....] - ETA: 7:40 -
    loss: 0.5296 - acc: 0.7436
1063 429/620 [=====>.....] - ETA: 7:37 -
    loss: 0.5298 - acc: 0.7434
1064 430/620 [=====>.....] - ETA: 7:35 -
    loss: 0.5300 - acc: 0.7434
1065 431/620 [=====>.....] - ETA: 7:33 -
    loss: 0.5301 - acc: 0.7431
1066 432/620 [=====>.....] - ETA: 7:31 -
    loss: 0.5302 - acc: 0.7429
1067 433/620 [=====>.....] - ETA: 7:29 -
    loss: 0.5302 - acc: 0.7428
1068 434/620 [=====>.....] - ETA: 7:27 -
    loss: 0.5302 - acc: 0.7428
1069 435/620 [=====>.....] - ETA: 7:25 -
    loss: 0.5300 - acc: 0.7430
1070 436/620 [=====>.....] - ETA: 7:23 -
    loss: 0.5300 - acc: 0.7429
1071 437/620 [=====>.....] - ETA: 7:20 -
    loss: 0.5301 - acc: 0.7429
1072 438/620 [=====>.....] - ETA: 7:18 -
    loss: 0.5301 - acc: 0.7428
1073 439/620 [=====>.....] - ETA: 7:16 -
    loss: 0.5303 - acc: 0.7426
1074 440/620 [=====>.....] - ETA: 7:13 -
    loss: 0.5301 - acc: 0.7428
1075 441/620 [=====>.....] - ETA: 7:11 -
    loss: 0.5299 - acc: 0.7429
1076 442/620 [=====>.....] - ETA: 7:09 -
    loss: 0.5310 - acc: 0.7425
1077 443/620 [=====>.....] - ETA: 7:07 -
    loss: 0.5312 - acc: 0.7428
1078 444/620 [=====>.....] - ETA: 7:05 -
    loss: 0.5311 - acc: 0.7430
1079 445/620 [=====>.....] - ETA: 7:03 -
    loss: 0.5309 - acc: 0.7431
1080 446/620 [=====>.....] - ETA: 7:01 -
    loss: 0.5308 - acc: 0.7432
1081 447/620 [=====>.....] - ETA: 6:58 -
    loss: 0.5307 - acc: 0.7432
1082 448/620 [=====>.....] - ETA: 6:56 -
    loss: 0.5308 - acc: 0.7430
1083 449/620 [=====>.....] - ETA: 6:54 -
```

```
1083 loss: 0.5311 - acc: 0.7427
1084 450/620 [=====>.....] - ETA: 6:52 -
    loss: 0.5310 - acc: 0.7429
1085 451/620 [=====>.....] - ETA: 6:49 -
    loss: 0.5310 - acc: 0.7430
1086 452/620 [=====>.....] - ETA: 6:47 -
    loss: 0.5308 - acc: 0.7430
1087 453/620 [=====>.....] - ETA: 6:45 -
    loss: 0.5309 - acc: 0.7431
1088 454/620 [=====>.....] - ETA: 6:42 -
    loss: 0.5310 - acc: 0.7429
1089 455/620 [=====>.....] - ETA: 6:40 -
    loss: 0.5310 - acc: 0.7429
1090 456/620 [=====>.....] - ETA: 6:38 -
    loss: 0.5309 - acc: 0.7430
1091 457/620 [=====>.....] - ETA: 6:36 -
    loss: 0.5310 - acc: 0.7428
1092 458/620 [=====>.....] - ETA: 6:33 -
    loss: 0.5311 - acc: 0.7428
1093 459/620 [=====>.....] - ETA: 6:31 -
    loss: 0.5313 - acc: 0.7425
1094 460/620 [=====>.....] - ETA: 6:28 -
    loss: 0.5315 - acc: 0.7423
1095 461/620 [=====>.....] - ETA: 6:26 -
    loss: 0.5318 - acc: 0.7420
1096 462/620 [=====>.....] - ETA: 6:24 -
    loss: 0.5317 - acc: 0.7422
1097 463/620 [=====>.....] - ETA: 6:21 -
    loss: 0.5318 - acc: 0.7422
1098 464/620 [=====>.....] - ETA: 6:19 -
    loss: 0.5317 - acc: 0.7424
1099 465/620 [=====>.....] - ETA: 6:16 -
    loss: 0.5316 - acc: 0.7425
1100 466/620 [=====>.....] - ETA: 6:14 -
    loss: 0.5316 - acc: 0.7425
1101 467/620 [=====>.....] - ETA: 6:11 -
    loss: 0.5315 - acc: 0.7426
1102 468/620 [=====>.....] - ETA: 6:09 -
    loss: 0.5314 - acc: 0.7426
1103 469/620 [=====>.....] - ETA: 6:06 -
    loss: 0.5311 - acc: 0.7428
1104 470/620 [=====>.....] - ETA: 6:04 -
    loss: 0.5315 - acc: 0.7425
1105 471/620 [=====>.....] - ETA: 6:02 -
    loss: 0.5313 - acc: 0.7425
```

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1106 472/620 [=====>.....] - ETA: 5:59 -
    loss: 0.5314 - acc: 0.7424
1107 473/620 [=====>.....] - ETA: 5:57 -
    loss: 0.5316 - acc: 0.7424
1108 474/620 [=====>.....] - ETA: 5:55 -
    loss: 0.5315 - acc: 0.7423
1109 475/620 [=====>.....] - ETA: 5:53 -
    loss: 0.5315 - acc: 0.7424
1110 476/620 [=====>.....] - ETA: 5:50 -
    loss: 0.5314 - acc: 0.7424
1111 477/620 [=====>.....] - ETA: 5:48 -
    loss: 0.5316 - acc: 0.7423
1112 478/620 [=====>.....] - ETA: 5:45 -
    loss: 0.5315 - acc: 0.7423
1113 479/620 [=====>.....] - ETA: 5:43 -
    loss: 0.5313 - acc: 0.7425
1114 480/620 [=====>.....] - ETA: 5:40 -
    loss: 0.5314 - acc: 0.7425
1115 481/620 [=====>.....] - ETA: 5:38 -
    loss: 0.5315 - acc: 0.7423
1116 482/620 [=====>.....] - ETA: 5:36 -
    loss: 0.5314 - acc: 0.7423
1117 483/620 [=====>.....] - ETA: 5:33 -
    loss: 0.5315 - acc: 0.7421
1118 484/620 [=====>.....] - ETA: 5:31 -
    loss: 0.5315 - acc: 0.7421
1119 485/620 [=====>.....] - ETA: 5:29 -
    loss: 0.5316 - acc: 0.7421
1120 486/620 [=====>.....] - ETA: 5:26 -
    loss: 0.5316 - acc: 0.7421
1121 487/620 [=====>.....] - ETA: 5:24 -
    loss: 0.5316 - acc: 0.7421
1122 488/620 [=====>.....] - ETA: 5:22 -
    loss: 0.5314 - acc: 0.7421
1123 489/620 [=====>.....] - ETA: 5:19 -
    loss: 0.5313 - acc: 0.7421
1124 490/620 [=====>.....] - ETA: 5:17 -
    loss: 0.5315 - acc: 0.7419
1125 491/620 [=====>.....] - ETA: 5:14 -
    loss: 0.5314 - acc: 0.7419
1126 492/620 [=====>.....] - ETA: 5:12 -
    loss: 0.5315 - acc: 0.7418
1127 493/620 [=====>.....] - ETA: 5:10 -
    loss: 0.5313 - acc: 0.7420
1128 494/620 [=====>.....] - ETA: 5:07 -
```

```
1128 loss: 0.5314 - acc: 0.7419
1129 495/620 [=====>.....] - ETA: 5:05 -
    loss: 0.5313 - acc: 0.7420
1130 496/620 [=====>.....] - ETA: 5:03 -
    loss: 0.5312 - acc: 0.7420
1131 497/620 [=====>.....] - ETA: 5:00 -
    loss: 0.5310 - acc: 0.7422
1132 498/620 [=====>.....] - ETA: 4:58 -
    loss: 0.5308 - acc: 0.7424
1133 499/620 [=====>.....] - ETA: 4:55 -
    loss: 0.5307 - acc: 0.7426
1134 500/620 [=====>.....] - ETA: 4:53 -
    loss: 0.5312 - acc: 0.7423
1135 501/620 [=====>.....] - ETA: 4:50 -
    loss: 0.5312 - acc: 0.7424
1136 502/620 [=====>.....] - ETA: 4:48 -
    loss: 0.5312 - acc: 0.7423
1137 503/620 [=====>.....] - ETA: 4:46 -
    loss: 0.5312 - acc: 0.7422
1138 504/620 [=====>.....] - ETA: 4:43 -
    loss: 0.5310 - acc: 0.7423
1139 505/620 [=====>.....] - ETA: 4:41 -
    loss: 0.5308 - acc: 0.7425
1140 506/620 [=====>.....] - ETA: 4:38 -
    loss: 0.5308 - acc: 0.7424
1141 507/620 [=====>.....] - ETA: 4:36 -
    loss: 0.5307 - acc: 0.7424
1142 508/620 [=====>.....] - ETA: 4:33 -
    loss: 0.5308 - acc: 0.7423
1143 509/620 [=====>.....] - ETA: 4:31 -
    loss: 0.5308 - acc: 0.7423
1144 510/620 [=====>.....] - ETA: 4:29 -
    loss: 0.5308 - acc: 0.7422
1145 511/620 [=====>.....] - ETA: 4:26 -
    loss: 0.5310 - acc: 0.7421
1146 512/620 [=====>.....] - ETA: 4:24 -
    loss: 0.5308 - acc: 0.7422
1147 513/620 [=====>.....] - ETA: 4:21 -
    loss: 0.5310 - acc: 0.7422
1148 514/620 [=====>.....] - ETA: 4:19 -
    loss: 0.5308 - acc: 0.7422
1149 515/620 [=====>.....] - ETA: 4:16 -
    loss: 0.5309 - acc: 0.7420
1150 516/620 [=====>.....] - ETA: 4:14 -
    loss: 0.5306 - acc: 0.7423
```

```
1151 517/620 [=====>.....] - ETA: 4:11 -
    loss: 0.5306 - acc: 0.7423
1152 518/620 [=====>.....] - ETA: 4:09 -
    loss: 0.5309 - acc: 0.7421
1153 519/620 [=====>.....] - ETA: 4:06 -
    loss: 0.5307 - acc: 0.7424
1154 520/620 [=====>.....] - ETA: 4:04 -
    loss: 0.5305 - acc: 0.7427
1155 521/620 [=====>.....] - ETA: 4:01 -
    loss: 0.5304 - acc: 0.7428
1156 522/620 [=====>.....] - ETA: 3:59 -
    loss: 0.5301 - acc: 0.7430
1157 523/620 [=====>.....] - ETA: 3:56 -
    loss: 0.5300 - acc: 0.7431
1158 524/620 [=====>.....] - ETA: 3:54 -
    loss: 0.5298 - acc: 0.7433
1159 525/620 [=====>.....] - ETA: 3:51 -
    loss: 0.5298 - acc: 0.7433
1160 526/620 [=====>.....] - ETA: 3:49 -
    loss: 0.5296 - acc: 0.7434
1161 527/620 [=====>.....] - ETA: 3:46 -
    loss: 0.5296 - acc: 0.7434
1162 528/620 [=====>.....] - ETA: 3:44 -
    loss: 0.5298 - acc: 0.7432
1163 529/620 [=====>.....] - ETA: 3:42 -
    loss: 0.5295 - acc: 0.7434
1164 530/620 [=====>.....] - ETA: 3:39 -
    loss: 0.5294 - acc: 0.7436
1165 531/620 [=====>.....] - ETA: 3:37 -
    loss: 0.5291 - acc: 0.7437
1166 532/620 [=====>.....] - ETA: 3:34 -
    loss: 0.5293 - acc: 0.7435
1167 533/620 [=====>.....] - ETA: 3:32 -
    loss: 0.5294 - acc: 0.7434
1168 534/620 [=====>.....] - ETA: 3:29 -
    loss: 0.5293 - acc: 0.7435
1169 535/620 [=====>.....] - ETA: 3:27 -
    loss: 0.5293 - acc: 0.7436
1170 536/620 [=====>.....] - ETA: 3:25 -
    loss: 0.5293 - acc: 0.7434
1171 537/620 [=====>.....] - ETA: 3:22 -
    loss: 0.5295 - acc: 0.7432
1172 538/620 [=====>.....] - ETA: 3:20 -
    loss: 0.5297 - acc: 0.7431
1173 539/620 [=====>.....] - ETA: 3:17 -
```

```
1173 loss: 0.5300 - acc: 0.7427
1174 540/620 [=====>....] - ETA: 3:15 -
    loss: 0.5298 - acc: 0.7427
1175 541/620 [=====>....] - ETA: 3:12 -
    loss: 0.5298 - acc: 0.7427
1176 542/620 [=====>....] - ETA: 3:10 -
    loss: 0.5296 - acc: 0.7428
1177 543/620 [=====>....] - ETA: 3:08 -
    loss: 0.5299 - acc: 0.7427
1178 544/620 [=====>....] - ETA: 3:05 -
    loss: 0.5299 - acc: 0.7429
1179 545/620 [=====>....] - ETA: 3:03 -
    loss: 0.5299 - acc: 0.7429
1180 546/620 [=====>....] - ETA: 3:00 -
    loss: 0.5298 - acc: 0.7430
1181 547/620 [=====>....] - ETA: 2:58 -
    loss: 0.5299 - acc: 0.7430
1182 548/620 [=====>....] - ETA: 2:55 -
    loss: 0.5302 - acc: 0.7426
1183 549/620 [=====>....] - ETA: 2:53 -
    loss: 0.5302 - acc: 0.7426
1184 550/620 [=====>....] - ETA: 2:51 -
    loss: 0.5302 - acc: 0.7427
1185 551/620 [=====>....] - ETA: 2:48 -
    loss: 0.5304 - acc: 0.7425
1186 552/620 [=====>....] - ETA: 2:46 -
    loss: 0.5303 - acc: 0.7425
1187 553/620 [=====>....] - ETA: 2:43 -
    loss: 0.5304 - acc: 0.7425
1188 554/620 [=====>....] - ETA: 2:41 -
    loss: 0.5306 - acc: 0.7424
1189 555/620 [=====>....] - ETA: 2:38 -
    loss: 0.5306 - acc: 0.7422
1190 556/620 [=====>....] - ETA: 2:36 -
    loss: 0.5305 - acc: 0.7423
1191 557/620 [=====>....] - ETA: 2:33 -
    loss: 0.5306 - acc: 0.7422
1192 558/620 [=====>...] - ETA: 2:31 -
    loss: 0.5304 - acc: 0.7424
1193 559/620 [=====>...] - ETA: 2:29 -
    loss: 0.5302 - acc: 0.7425
1194 560/620 [=====>...] - ETA: 2:26 -
    loss: 0.5304 - acc: 0.7423
1195 561/620 [=====>...] - ETA: 2:24 -
    loss: 0.5302 - acc: 0.7424
```

```
1196 562/620 [=====>...] - ETA: 2:21 -
    loss: 0.5301 - acc: 0.7425
1197 563/620 [=====>...] - ETA: 2:19 -
    loss: 0.5303 - acc: 0.7422
1198 564/620 [=====>...] - ETA: 2:16 -
    loss: 0.5303 - acc: 0.7423
1199 565/620 [=====>...] - ETA: 2:14 -
    loss: 0.5304 - acc: 0.7421
1200 566/620 [=====>...] - ETA: 2:12 -
    loss: 0.5304 - acc: 0.7421
1201 567/620 [=====>...] - ETA: 2:09 -
    loss: 0.5303 - acc: 0.7422
1202 568/620 [=====>...] - ETA: 2:07 -
    loss: 0.5301 - acc: 0.7423
1203 569/620 [=====>...] - ETA: 2:04 -
    loss: 0.5303 - acc: 0.7420
1204 570/620 [=====>...] - ETA: 2:02 -
    loss: 0.5303 - acc: 0.7420
1205 571/620 [=====>...] - ETA: 1:59 -
    loss: 0.5303 - acc: 0.7420
1206 572/620 [=====>...] - ETA: 1:57 -
    loss: 0.5302 - acc: 0.7420
1207 573/620 [=====>...] - ETA: 1:54 -
    loss: 0.5304 - acc: 0.7419
1208 574/620 [=====>...] - ETA: 1:52 -
    loss: 0.5302 - acc: 0.7420
1209 575/620 [=====>...] - ETA: 1:50 -
    loss: 0.5302 - acc: 0.7420
1210 576/620 [=====>...] - ETA: 1:47 -
    loss: 0.5302 - acc: 0.7420
1211 577/620 [=====>...] - ETA: 1:45 -
    loss: 0.5299 - acc: 0.7422
1212 578/620 [=====>...] - ETA: 1:42 -
    loss: 0.5300 - acc: 0.7422
1213 579/620 [=====>...] - ETA: 1:40 -
    loss: 0.5300 - acc: 0.7422
1214 580/620 [=====>...] - ETA: 1:37 -
    loss: 0.5300 - acc: 0.7425
1215 581/620 [=====>...] - ETA: 1:35 -
    loss: 0.5298 - acc: 0.7426
1216 582/620 [=====>...] - ETA: 1:32 -
    loss: 0.5301 - acc: 0.7423
1217 583/620 [=====>...] - ETA: 1:30 -
    loss: 0.5298 - acc: 0.7426
1218 584/620 [=====>...] - ETA: 1:28 -
```

```
1218 loss: 0.5296 - acc: 0.7427
1219 585/620 [=====>..] - ETA: 1:25 -
    loss: 0.5294 - acc: 0.7428
1220 586/620 [=====>..] - ETA: 1:23 -
    loss: 0.5294 - acc: 0.7429
1221 587/620 [=====>..] - ETA: 1:20 -
    loss: 0.5296 - acc: 0.7427
1222 588/620 [=====>..] - ETA: 1:18 -
    loss: 0.5295 - acc: 0.7427
1223 589/620 [=====>..] - ETA: 1:16 -
    loss: 0.5295 - acc: 0.7426
1224 590/620 [=====>..] - ETA: 1:13 -
    loss: 0.5294 - acc: 0.7426
1225 591/620 [=====>..] - ETA: 1:11 -
    loss: 0.5292 - acc: 0.7427
1226 592/620 [=====>..] - ETA: 1:08 -
    loss: 0.5292 - acc: 0.7426
1227 593/620 [=====>..] - ETA: 1:06 -
    loss: 0.5291 - acc: 0.7426
1228 594/620 [=====>..] - ETA: 1:03 -
    loss: 0.5292 - acc: 0.7425
1229 595/620 [=====>..] - ETA: 1:01 -
    loss: 0.5294 - acc: 0.7423
1230 596/620 [=====>..] - ETA: 59s -
    loss: 0.5294 - acc: 0.7423
1231 597/620 [=====>..] - ETA: 56s -
    loss: 0.5296 - acc: 0.7422
1232 598/620 [=====>..] - ETA: 54s -
    loss: 0.5296 - acc: 0.7422
1233 599/620 [=====>..] - ETA: 51s -
    loss: 0.5295 - acc: 0.7423
1234 600/620 [=====>..] - ETA: 49s -
    loss: 0.5298 - acc: 0.7421
1235 601/620 [=====>..] - ETA: 46s -
    loss: 0.5297 - acc: 0.7423
1236 602/620 [=====>..] - ETA: 44s -
    loss: 0.5297 - acc: 0.7423
1237 603/620 [=====>..] - ETA: 41s -
    loss: 0.5298 - acc: 0.7423
1238 604/620 [=====>..] - ETA: 39s -
    loss: 0.5297 - acc: 0.7423
1239 605/620 [=====>..] - ETA: 36s -
    loss: 0.5297 - acc: 0.7424
1240 606/620 [=====>..] - ETA: 34s -
    loss: 0.5297 - acc: 0.7422
```

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```
1241 607/620 [=====>.] - ETA: 32s -
    loss: 0.5297 - acc: 0.7423
1242 608/620 [=====>.] - ETA: 29s -
    loss: 0.5295 - acc: 0.7425
1243 609/620 [=====>.] - ETA: 27s -
    loss: 0.5294 - acc: 0.7427
1244 610/620 [=====>.] - ETA: 24s -
    loss: 0.5294 - acc: 0.7425
1245 611/620 [=====>.] - ETA: 22s -
    loss: 0.5292 - acc: 0.7425
1246 612/620 [=====>.] - ETA: 19s -
    loss: 0.5292 - acc: 0.7424
1247 613/620 [=====>.] - ETA: 17s -
    loss: 0.5293 - acc: 0.7423
1248 614/620 [=====>.] - ETA: 14s -
    loss: 0.5293 - acc: 0.7423
1249 615/620 [=====>.] - ETA: 12s -
    loss: 0.5292 - acc: 0.7424
1250 616/620 [=====>.] - ETA: 9s -
    loss: 0.5291 - acc: 0.7425
1251 617/620 [=====>.] - ETA: 7s -
    loss: 0.5289 - acc: 0.7426
1252 618/620 [=====>.] - ETA: 4s -
    loss: 0.5291 - acc: 0.7425
1253 619/620 [=====>.] - ETA: 2s -
    loss: 0.5297 - acc: 0.7423
1254 620/620 [=====] - 1576s 3s/step
    - loss: 0.5300 - acc: 0.7421 - val_loss: 0.4664 -
    val_acc: 0.7827
1255 Epoch 3/10
1256
1257 1/620 [.....] - ETA: 28:12 -
    loss: 0.5376 - acc: 0.7188
1258 2/620 [.....] - ETA: 26:18 -
    loss: 0.5423 - acc: 0.7188
1259 3/620 [.....] - ETA: 25:26 -
    loss: 0.5065 - acc: 0.7708
1260 4/620 [.....] - ETA: 25:03 -
    loss: 0.4897 - acc: 0.7891
1261 5/620 [.....] - ETA: 24:45 -
    loss: 0.4855 - acc: 0.7937
1262 6/620 [.....] - ETA: 24:31 -
    loss: 0.4889 - acc: 0.7812
1263 7/620 [.....] - ETA: 24:40 -
    loss: 0.4815 - acc: 0.7902
```

```
1264    8/620 [.....] - ETA: 24:31 -
    loss: 0.4965 - acc: 0.7656
1265    9/620 [.....] - ETA: 24:15 -
    loss: 0.4860 - acc: 0.7743
1266    10/620 [.....] - ETA: 24:18 -
    loss: 0.4920 - acc: 0.7625
1267    11/620 [.....] - ETA: 24:15 -
    loss: 0.5024 - acc: 0.7614
1268    12/620 [.....] - ETA: 24:28 -
    loss: 0.4969 - acc: 0.7708
1269    13/620 [.....] - ETA: 24:32 -
    loss: 0.5068 - acc: 0.7548
1270    14/620 [.....] - ETA: 24:59 -
    loss: 0.5041 - acc: 0.7589
1271    15/620 [.....] - ETA: 24:58 -
    loss: 0.5133 - acc: 0.7458
1272    16/620 [.....] - ETA: 24:52 -
    loss: 0.5078 - acc: 0.7480
1273    17/620 [.....] - ETA: 24:44 -
    loss: 0.5197 - acc: 0.7371
1274    18/620 [.....] - ETA: 24:37 -
    loss: 0.5269 - acc: 0.7378
1275    19/620 [.....] - ETA: 24:31 -
    loss: 0.5148 - acc: 0.7484
1276    20/620 [.....] - ETA: 23:50 -
    loss: 0.5192 - acc: 0.7443
1277    21/620 [>.....] - ETA: 23:46 -
    loss: 0.5147 - acc: 0.7460
1278    22/620 [>.....] - ETA: 23:41 -
    loss: 0.5103 - acc: 0.7491
1279    23/620 [>.....] - ETA: 23:37 -
    loss: 0.5063 - acc: 0.7518
1280    24/620 [>.....] - ETA: 23:33 -
    loss: 0.5068 - acc: 0.7491
1281    25/620 [>.....] - ETA: 23:29 -
    loss: 0.5127 - acc: 0.7492
1282    26/620 [>.....] - ETA: 23:34 -
    loss: 0.5177 - acc: 0.7468
1283    27/620 [>.....] - ETA: 23:31 -
    loss: 0.5204 - acc: 0.7434
1284    28/620 [>.....] - ETA: 23:27 -
    loss: 0.5236 - acc: 0.7426
1285    29/620 [>.....] - ETA: 23:22 -
    loss: 0.5191 - acc: 0.7460
1286    30/620 [>.....] - ETA: 23:17 -
```

```
1286 loss: 0.5193 - acc: 0.7483
1287 31/620 [>.....] - ETA: 23:13 -
    loss: 0.5182 - acc: 0.7503
1288 32/620 [>.....] - ETA: 23:11 -
    loss: 0.5233 - acc: 0.7454
1289 33/620 [>.....] - ETA: 23:07 -
    loss: 0.5224 - acc: 0.7446
1290 34/620 [>.....] - ETA: 23:04 -
    loss: 0.5196 - acc: 0.7457
1291 35/620 [>.....] - ETA: 23:01 -
    loss: 0.5219 - acc: 0.7432
1292 36/620 [>.....] - ETA: 23:00 -
    loss: 0.5241 - acc: 0.7407
1293 37/620 [>.....] - ETA: 22:57 -
    loss: 0.5210 - acc: 0.7435
1294 38/620 [>.....] - ETA: 22:56 -
    loss: 0.5252 - acc: 0.7396
1295 39/620 [>.....] - ETA: 22:59 -
    loss: 0.5249 - acc: 0.7399
1296 40/620 [>.....] - ETA: 22:39 -
    loss: 0.5230 - acc: 0.7422
1297 41/620 [>.....] - ETA: 22:37 -
    loss: 0.5252 - acc: 0.7409
1298 42/620 [=>.....] - ETA: 22:34 -
    loss: 0.5253 - acc: 0.7388
1299 43/620 [=>.....] - ETA: 22:31 -
    loss: 0.5232 - acc: 0.7413
1300 44/620 [=>.....] - ETA: 22:28 -
    loss: 0.5247 - acc: 0.7379
1301 45/620 [=>.....] - ETA: 22:25 -
    loss: 0.5264 - acc: 0.7368
1302 46/620 [=>.....] - ETA: 22:23 -
    loss: 0.5262 - acc: 0.7378
1303 47/620 [=>.....] - ETA: 22:20 -
    loss: 0.5264 - acc: 0.7380
1304 48/620 [=>.....] - ETA: 22:17 -
    loss: 0.5280 - acc: 0.7357
1305 49/620 [=>.....] - ETA: 22:13 -
    loss: 0.5274 - acc: 0.7372
1306 50/620 [=>.....] - ETA: 22:10 -
    loss: 0.5251 - acc: 0.7394
1307 51/620 [=>.....] - ETA: 22:08 -
    loss: 0.5260 - acc: 0.7396
1308 52/620 [=>.....] - ETA: 22:07 -
    loss: 0.5264 - acc: 0.7404
```

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```
1309  53/620 [=>.....] - ETA: 22:04 -
    loss: 0.5257 - acc: 0.7406
1310  54/620 [=>.....] - ETA: 22:01 -
    loss: 0.5222 - acc: 0.7442
1311  55/620 [=>.....] - ETA: 21:59 -
    loss: 0.5225 - acc: 0.7438
1312  56/620 [=>.....] - ETA: 21:56 -
    loss: 0.5209 - acc: 0.7433
1313  57/620 [=>.....] - ETA: 21:54 -
    loss: 0.5190 - acc: 0.7445
1314  58/620 [=>.....] - ETA: 21:52 -
    loss: 0.5190 - acc: 0.7441
1315  59/620 [=>.....] - ETA: 21:50 -
    loss: 0.5191 - acc: 0.7431
1316  60/620 [=>.....] - ETA: 21:36 -
    loss: 0.5237 - acc: 0.7405
1317  61/620 [=>.....] - ETA: 21:34 -
    loss: 0.5267 - acc: 0.7391
1318  62/620 ==>.....] - ETA: 21:32 -
    loss: 0.5259 - acc: 0.7398
1319  63/620 ==>.....] - ETA: 21:30 -
    loss: 0.5258 - acc: 0.7404
1320  64/620 ==>.....] - ETA: 21:30 -
    loss: 0.5269 - acc: 0.7391
1321  65/620 ==>.....] - ETA: 21:31 -
    loss: 0.5268 - acc: 0.7402
1322  66/620 ==>.....] - ETA: 21:30 -
    loss: 0.5254 - acc: 0.7418
1323  67/620 ==>.....] - ETA: 21:27 -
    loss: 0.5247 - acc: 0.7419
1324  68/620 ==>.....] - ETA: 21:25 -
    loss: 0.5242 - acc: 0.7420
1325  69/620 ==>.....] - ETA: 21:22 -
    loss: 0.5229 - acc: 0.7431
1326  70/620 ==>.....] - ETA: 21:20 -
    loss: 0.5235 - acc: 0.7427
1327  71/620 ==>.....] - ETA: 21:18 -
    loss: 0.5237 - acc: 0.7419
1328  72/620 ==>.....] - ETA: 21:15 -
    loss: 0.5226 - acc: 0.7433
1329  73/620 ==>.....] - ETA: 21:12 -
    loss: 0.5222 - acc: 0.7447
1330  74/620 ==>.....] - ETA: 21:10 -
    loss: 0.5209 - acc: 0.7448
1331  75/620 ==>.....] - ETA: 21:08 -
```

```
1331 loss: 0.5222 - acc: 0.7424
1332 76/620 [==>.....] - ETA: 21:05 -
    loss: 0.5230 - acc: 0.7408
1333 77/620 [==>.....] - ETA: 21:03 -
    loss: 0.5224 - acc: 0.7413
1334 78/620 [==>.....] - ETA: 21:01 -
    loss: 0.5225 - acc: 0.7423
1335 79/620 [==>.....] - ETA: 21:00 -
    loss: 0.5221 - acc: 0.7424
1336 80/620 [==>.....] - ETA: 20:50 -
    loss: 0.5212 - acc: 0.7424
1337 81/620 [==>.....] - ETA: 20:48 -
    loss: 0.5207 - acc: 0.7429
1338 82/620 [==>.....] - ETA: 20:46 -
    loss: 0.5204 - acc: 0.7423
1339 83/620 [==>.....] - ETA: 20:44 -
    loss: 0.5216 - acc: 0.7416
1340 84/620 [==>.....] - ETA: 20:41 -
    loss: 0.5209 - acc: 0.7421
1341 85/620 [==>.....] - ETA: 20:39 -
    loss: 0.5207 - acc: 0.7418
1342 86/620 [==>.....] - ETA: 20:37 -
    loss: 0.5216 - acc: 0.7415
1343 87/620 [==>.....] - ETA: 20:36 -
    loss: 0.5216 - acc: 0.7420
1344 88/620 [==>.....] - ETA: 20:34 -
    loss: 0.5216 - acc: 0.7421
1345 89/620 [==>.....] - ETA: 20:31 -
    loss: 0.5223 - acc: 0.7415
1346 90/620 [==>.....] - ETA: 20:29 -
    loss: 0.5230 - acc: 0.7398
1347 91/620 [==>.....] - ETA: 20:27 -
    loss: 0.5229 - acc: 0.7403
1348 92/620 [==>.....] - ETA: 20:27 -
    loss: 0.5210 - acc: 0.7421
1349 93/620 [==>.....] - ETA: 20:25 -
    loss: 0.5199 - acc: 0.7425
1350 94/620 [==>.....] - ETA: 20:23 -
    loss: 0.5180 - acc: 0.7442
1351 95/620 [==>.....] - ETA: 20:21 -
    loss: 0.5173 - acc: 0.7446
1352 96/620 [==>.....] - ETA: 20:19 -
    loss: 0.5167 - acc: 0.7453
1353 97/620 [==>.....] - ETA: 20:17 -
    loss: 0.5177 - acc: 0.7441
```

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1354 98/620 [==>.....] - ETA: 20:15 -
    loss: 0.5176 - acc: 0.7438
1355 99/620 [==>.....] - ETA: 20:13 -
    loss: 0.5207 - acc: 0.7414
1356 100/620 [==>.....] - ETA: 20:04 -
    loss: 0.5209 - acc: 0.7415
1357 101/620 [==>.....] - ETA: 20:02 -
    loss: 0.5223 - acc: 0.7409
1358 102/620 [==>.....] - ETA: 20:00 -
    loss: 0.5225 - acc: 0.7416
1359 103/620 [==>.....] - ETA: 19:57 -
    loss: 0.5221 - acc: 0.7417
1360 104/620 [====>.....] - ETA: 19:55 -
    loss: 0.5219 - acc: 0.7418
1361 105/620 [====>.....] - ETA: 19:53 -
    loss: 0.5216 - acc: 0.7410
1362 106/620 [====>.....] - ETA: 19:51 -
    loss: 0.5212 - acc: 0.7414
1363 107/620 [====>.....] - ETA: 19:49 -
    loss: 0.5216 - acc: 0.7408
1364 108/620 [====>.....] - ETA: 19:47 -
    loss: 0.5213 - acc: 0.7412
1365 109/620 [====>.....] - ETA: 19:44 -
    loss: 0.5209 - acc: 0.7413
1366 110/620 [====>.....] - ETA: 19:42 -
    loss: 0.5212 - acc: 0.7417
1367 111/620 [====>.....] - ETA: 19:40 -
    loss: 0.5212 - acc: 0.7417
1368 112/620 [====>.....] - ETA: 19:38 -
    loss: 0.5209 - acc: 0.7418
1369 113/620 [====>.....] - ETA: 19:36 -
    loss: 0.5210 - acc: 0.7419
1370 114/620 [====>.....] - ETA: 19:34 -
    loss: 0.5209 - acc: 0.7420
1371 115/620 [====>.....] - ETA: 19:32 -
    loss: 0.5203 - acc: 0.7418
1372 116/620 [====>.....] - ETA: 19:31 -
    loss: 0.5194 - acc: 0.7424
1373 117/620 [====>.....] - ETA: 19:30 -
    loss: 0.5193 - acc: 0.7424
1374 118/620 [====>.....] - ETA: 19:27 -
    loss: 0.5195 - acc: 0.7422
1375 119/620 [====>.....] - ETA: 19:25 -
    loss: 0.5196 - acc: 0.7423
1376 120/620 [====>.....] - ETA: 19:18 -
```

```
1376 loss: 0.5183 - acc: 0.7431
1377 121/620 [=====>.....] - ETA: 19:15 -
    loss: 0.5191 - acc: 0.7426
1378 122/620 [=====>.....] - ETA: 19:13 -
    loss: 0.5193 - acc: 0.7421
1379 123/620 [=====>.....] - ETA: 19:11 -
    loss: 0.5196 - acc: 0.7417
1380 124/620 [=====>.....] - ETA: 19:09 -
    loss: 0.5198 - acc: 0.7413
1381 125/620 [=====>.....] - ETA: 19:07 -
    loss: 0.5193 - acc: 0.7418
1382 126/620 [=====>.....] - ETA: 19:04 -
    loss: 0.5196 - acc: 0.7421
1383 127/620 [=====>.....] - ETA: 19:02 -
    loss: 0.5200 - acc: 0.7422
1384 128/620 [=====>.....] - ETA: 19:00 -
    loss: 0.5192 - acc: 0.7432
1385 129/620 [=====>.....] - ETA: 18:57 -
    loss: 0.5199 - acc: 0.7426
1386 130/620 [=====>.....] - ETA: 18:56 -
    loss: 0.5208 - acc: 0.7417
1387 131/620 [=====>.....] - ETA: 18:53 -
    loss: 0.5203 - acc: 0.7422
1388 132/620 [=====>.....] - ETA: 18:52 -
    loss: 0.5200 - acc: 0.7425
1389 133/620 [=====>.....] - ETA: 18:49 -
    loss: 0.5201 - acc: 0.7428
1390 134/620 [=====>.....] - ETA: 18:47 -
    loss: 0.5196 - acc: 0.7433
1391 135/620 [=====>.....] - ETA: 18:45 -
    loss: 0.5192 - acc: 0.7436
1392 136/620 [=====>.....] - ETA: 18:43 -
    loss: 0.5192 - acc: 0.7436
1393 137/620 [=====>.....] - ETA: 18:40 -
    loss: 0.5179 - acc: 0.7444
1394 138/620 [=====>.....] - ETA: 18:38 -
    loss: 0.5190 - acc: 0.7433
1395 139/620 [=====>.....] - ETA: 18:36 -
    loss: 0.5186 - acc: 0.7429
1396 140/620 [=====>.....] - ETA: 18:29 -
    loss: 0.5183 - acc: 0.7423
1397 141/620 [=====>.....] - ETA: 18:27 -
    loss: 0.5190 - acc: 0.7417
1398 142/620 [=====>.....] - ETA: 18:25 -
    loss: 0.5190 - acc: 0.7416
```

```
1399 143/620 [=====>.....] - ETA: 18:23 -
    loss: 0.5195 - acc: 0.7414
1400 144/620 [=====>.....] - ETA: 18:22 -
    loss: 0.5194 - acc: 0.7410
1401 145/620 [=====>.....] - ETA: 18:20 -
    loss: 0.5189 - acc: 0.7415
1402 146/620 [=====>.....] - ETA: 18:17 -
    loss: 0.5187 - acc: 0.7416
1403 147/620 [=====>.....] - ETA: 18:15 -
    loss: 0.5194 - acc: 0.7408
1404 148/620 [=====>.....] - ETA: 18:13 -
    loss: 0.5200 - acc: 0.7400
1405 149/620 [=====>.....] - ETA: 18:11 -
    loss: 0.5195 - acc: 0.7407
1406 150/620 [=====>.....] - ETA: 18:09 -
    loss: 0.5197 - acc: 0.7406
1407 151/620 [=====>.....] - ETA: 18:06 -
    loss: 0.5197 - acc: 0.7408
1408 152/620 [=====>.....] - ETA: 18:04 -
    loss: 0.5200 - acc: 0.7411
1409 153/620 [=====>.....] - ETA: 18:02 -
    loss: 0.5195 - acc: 0.7414
1410 154/620 [=====>.....] - ETA: 17:59 -
    loss: 0.5188 - acc: 0.7420
1411 155/620 [=====>.....] - ETA: 17:57 -
    loss: 0.5181 - acc: 0.7427
1412 156/620 [=====>.....] - ETA: 17:55 -
    loss: 0.5176 - acc: 0.7431
1413 157/620 [=====>.....] - ETA: 17:53 -
    loss: 0.5174 - acc: 0.7434
1414 158/620 [=====>.....] - ETA: 17:50 -
    loss: 0.5182 - acc: 0.7432
1415 159/620 [=====>.....] - ETA: 17:48 -
    loss: 0.5187 - acc: 0.7427
1416 160/620 [=====>.....] - ETA: 17:42 -
    loss: 0.5190 - acc: 0.7427
1417 161/620 [=====>.....] - ETA: 17:40 -
    loss: 0.5182 - acc: 0.7433
1418 162/620 [=====>.....] - ETA: 17:38 -
    loss: 0.5180 - acc: 0.7438
1419 163/620 [=====>.....] - ETA: 17:35 -
    loss: 0.5192 - acc: 0.7432
1420 164/620 [=====>.....] - ETA: 17:33 -
    loss: 0.5194 - acc: 0.7431
1421 165/620 [=====>.....] - ETA: 17:31 -
```

```
1421 loss: 0.5196 - acc: 0.7429
1422 166/620 [=====>.....] - ETA: 17:29 -
    loss: 0.5192 - acc: 0.7433
1423 167/620 [=====>.....] - ETA: 17:26 -
    loss: 0.5189 - acc: 0.7430
1424 168/620 [=====>.....] - ETA: 17:24 -
    loss: 0.5194 - acc: 0.7423
1425 169/620 [=====>.....] - ETA: 17:23 -
    loss: 0.5194 - acc: 0.7422
1426 170/620 [=====>.....] - ETA: 17:21 -
    loss: 0.5186 - acc: 0.7430
1427 171/620 [=====>.....] - ETA: 17:19 -
    loss: 0.5182 - acc: 0.7432
1428 172/620 [=====>.....] - ETA: 17:17 -
    loss: 0.5183 - acc: 0.7434
1429 173/620 [=====>.....] - ETA: 17:15 -
    loss: 0.5181 - acc: 0.7436
1430 174/620 [=====>.....] - ETA: 17:14 -
    loss: 0.5179 - acc: 0.7435
1431 175/620 [=====>.....] - ETA: 17:12 -
    loss: 0.5174 - acc: 0.7439
1432 176/620 [=====>.....] - ETA: 17:09 -
    loss: 0.5178 - acc: 0.7439
1433 177/620 [=====>.....] - ETA: 17:07 -
    loss: 0.5172 - acc: 0.7439
1434 178/620 [=====>.....] - ETA: 17:05 -
    loss: 0.5177 - acc: 0.7436
1435 179/620 [=====>.....] - ETA: 17:02 -
    loss: 0.5179 - acc: 0.7437
1436 180/620 [=====>.....] - ETA: 16:57 -
    loss: 0.5193 - acc: 0.7428
1437 181/620 [=====>.....] - ETA: 16:55 -
    loss: 0.5184 - acc: 0.7432
1438 182/620 [=====>.....] - ETA: 16:53 -
    loss: 0.5187 - acc: 0.7430
1439 183/620 [=====>.....] - ETA: 16:51 -
    loss: 0.5184 - acc: 0.7431
1440 184/620 [=====>.....] - ETA: 16:49 -
    loss: 0.5181 - acc: 0.7434
1441 185/620 [=====>.....] - ETA: 16:47 -
    loss: 0.5183 - acc: 0.7436
1442 186/620 [=====>.....] - ETA: 16:44 -
    loss: 0.5188 - acc: 0.7432
1443 187/620 [=====>.....] - ETA: 16:42 -
    loss: 0.5186 - acc: 0.7434
```

File - cnn_2D_model

```
1444 188/620 [=====>.....] - ETA: 16:40 -
    loss: 0.5189 - acc: 0.7432
1445 189/620 [=====>.....] - ETA: 16:37 -
    loss: 0.5192 - acc: 0.7431
1446 190/620 [=====>.....] - ETA: 16:35 -
    loss: 0.5185 - acc: 0.7438
1447 191/620 [=====>.....] - ETA: 16:32 -
    loss: 0.5186 - acc: 0.7433
1448 192/620 [=====>.....] - ETA: 16:30 -
    loss: 0.5188 - acc: 0.7431
1449 193/620 [=====>.....] - ETA: 16:28 -
    loss: 0.5188 - acc: 0.7434
1450 194/620 [=====>.....] - ETA: 16:26 -
    loss: 0.5189 - acc: 0.7433
1451 195/620 [=====>.....] - ETA: 16:24 -
    loss: 0.5187 - acc: 0.7436
1452 196/620 [=====>.....] - ETA: 16:22 -
    loss: 0.5182 - acc: 0.7438
1453 197/620 [=====>.....] - ETA: 16:20 -
    loss: 0.5187 - acc: 0.7432
1454 198/620 [=====>.....] - ETA: 16:17 -
    loss: 0.5185 - acc: 0.7433
1455 199/620 [=====>.....] - ETA: 16:15 -
    loss: 0.5182 - acc: 0.7436
1456 200/620 [=====>.....] - ETA: 16:10 -
    loss: 0.5177 - acc: 0.7432
1457 201/620 [=====>.....] - ETA: 16:08 -
    loss: 0.5182 - acc: 0.7426
1458 202/620 [=====>.....] - ETA: 16:06 -
    loss: 0.5180 - acc: 0.7424
1459 203/620 [=====>.....] - ETA: 16:03 -
    loss: 0.5179 - acc: 0.7424
1460 204/620 [=====>.....] - ETA: 16:01 -
    loss: 0.5181 - acc: 0.7421
1461 205/620 [=====>.....] - ETA: 15:59 -
    loss: 0.5177 - acc: 0.7423
1462 206/620 [=====>.....] - ETA: 15:56 -
    loss: 0.5169 - acc: 0.7431
1463 207/620 [=====>.....] - ETA: 15:54 -
    loss: 0.5165 - acc: 0.7435
1464 208/620 [=====>.....] - ETA: 15:52 -
    loss: 0.5164 - acc: 0.7435
1465 209/620 [=====>.....] - ETA: 15:49 -
    loss: 0.5165 - acc: 0.7437
1466 210/620 [=====>.....] - ETA: 15:47 -
```

File - cnn_2D_model

```
1466 loss: 0.5173 - acc: 0.7431
1467 211/620 [=====>.....] - ETA: 15:45 -
    loss: 0.5168 - acc: 0.7434
1468 212/620 [=====>.....] - ETA: 15:42 -
    loss: 0.5168 - acc: 0.7432
1469 213/620 [=====>.....] - ETA: 15:40 -
    loss: 0.5164 - acc: 0.7435
1470 214/620 [=====>.....] - ETA: 15:38 -
    loss: 0.5175 - acc: 0.7426
1471 215/620 [=====>.....] - ETA: 15:35 -
    loss: 0.5168 - acc: 0.7431
1472 216/620 [=====>.....] - ETA: 15:33 -
    loss: 0.5162 - acc: 0.7436
1473 217/620 [=====>.....] - ETA: 15:31 -
    loss: 0.5169 - acc: 0.7433
1474 218/620 [=====>.....] - ETA: 15:29 -
    loss: 0.5164 - acc: 0.7438
1475 219/620 [=====>.....] - ETA: 15:27 -
    loss: 0.5168 - acc: 0.7437
1476 220/620 [=====>.....] - ETA: 15:22 -
    loss: 0.5169 - acc: 0.7437
1477 221/620 [=====>.....] - ETA: 15:21 -
    loss: 0.5167 - acc: 0.7436
1478 222/620 [=====>.....] - ETA: 15:19 -
    loss: 0.5168 - acc: 0.7436
1479 223/620 [=====>.....] - ETA: 15:17 -
    loss: 0.5166 - acc: 0.7439
1480 224/620 [=====>.....] - ETA: 15:14 -
    loss: 0.5167 - acc: 0.7440
1481 225/620 [=====>.....] - ETA: 15:12 -
    loss: 0.5165 - acc: 0.7440
1482 226/620 [=====>.....] - ETA: 15:10 -
    loss: 0.5159 - acc: 0.7444
1483 227/620 [=====>.....] - ETA: 15:07 -
    loss: 0.5161 - acc: 0.7443
1484 228/620 [=====>.....] - ETA: 15:05 -
    loss: 0.5159 - acc: 0.7446
1485 229/620 [=====>.....] - ETA: 15:03 -
    loss: 0.5166 - acc: 0.7441
1486 230/620 [=====>.....] - ETA: 15:01 -
    loss: 0.5166 - acc: 0.7441
1487 231/620 [=====>.....] - ETA: 14:58 -
    loss: 0.5167 - acc: 0.7443
1488 232/620 [=====>.....] - ETA: 14:56 -
    loss: 0.5166 - acc: 0.7446
```

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1489 233/620 [=====>.....] - ETA: 14:54 -
    loss: 0.5163 - acc: 0.7447
1490 234/620 [=====>.....] - ETA: 14:51 -
    loss: 0.5156 - acc: 0.7453
1491 235/620 [=====>.....] - ETA: 14:49 -
    loss: 0.5154 - acc: 0.7456
1492 236/620 [=====>.....] - ETA: 14:47 -
    loss: 0.5156 - acc: 0.7455
1493 237/620 [=====>.....] - ETA: 14:45 -
    loss: 0.5156 - acc: 0.7452
1494 238/620 [=====>.....] - ETA: 14:42 -
    loss: 0.5158 - acc: 0.7450
1495 239/620 [=====>.....] - ETA: 14:40 -
    loss: 0.5158 - acc: 0.7451
1496 240/620 [=====>.....] - ETA: 14:36 -
    loss: 0.5166 - acc: 0.7444
1497 241/620 [=====>.....] - ETA: 14:34 -
    loss: 0.5170 - acc: 0.7439
1498 242/620 [=====>.....] - ETA: 14:31 -
    loss: 0.5163 - acc: 0.7445
1499 243/620 [=====>.....] - ETA: 14:29 -
    loss: 0.5160 - acc: 0.7446
1500 244/620 [=====>.....] - ETA: 14:27 -
    loss: 0.5166 - acc: 0.7442
1501 245/620 [=====>.....] - ETA: 14:25 -
    loss: 0.5163 - acc: 0.7447
1502 246/620 [=====>.....] - ETA: 14:22 -
    loss: 0.5167 - acc: 0.7445
1503 247/620 [=====>.....] - ETA: 14:20 -
    loss: 0.5164 - acc: 0.7445
1504 248/620 [=====>.....] - ETA: 14:18 -
    loss: 0.5162 - acc: 0.7442
1505 249/620 [=====>.....] - ETA: 14:16 -
    loss: 0.5162 - acc: 0.7441
1506 250/620 [=====>.....] - ETA: 14:14 -
    loss: 0.5160 - acc: 0.7443
1507 251/620 [=====>.....] - ETA: 14:11 -
    loss: 0.5163 - acc: 0.7441
1508 252/620 [=====>.....] - ETA: 14:09 -
    loss: 0.5164 - acc: 0.7443
1509 253/620 [=====>.....] - ETA: 14:07 -
    loss: 0.5166 - acc: 0.7442
1510 254/620 [=====>.....] - ETA: 14:04 -
    loss: 0.5170 - acc: 0.7443
1511 255/620 [=====>.....] - ETA: 14:02 -
```

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1511 loss: 0.5170 - acc: 0.7442
1512 256/620 [=====>.....] - ETA: 14:00 -
    loss: 0.5167 - acc: 0.7443
1513 257/620 [=====>.....] - ETA: 13:57 -
    loss: 0.5170 - acc: 0.7440
1514 258/620 [=====>.....] - ETA: 13:55 -
    loss: 0.5167 - acc: 0.7442
1515 259/620 [=====>.....] - ETA: 13:53 -
    loss: 0.5163 - acc: 0.7446
1516 260/620 [=====>.....] - ETA: 13:49 -
    loss: 0.5160 - acc: 0.7446
1517 261/620 [=====>.....] - ETA: 13:47 -
    loss: 0.5162 - acc: 0.7447
1518 262/620 [=====>.....] - ETA: 13:44 -
    loss: 0.5161 - acc: 0.7450
1519 263/620 [=====>.....] - ETA: 13:42 -
    loss: 0.5159 - acc: 0.7454
1520 264/620 [=====>.....] - ETA: 13:40 -
    loss: 0.5158 - acc: 0.7453
1521 265/620 [=====>.....] - ETA: 13:37 -
    loss: 0.5160 - acc: 0.7451
1522 266/620 [=====>.....] - ETA: 13:35 -
    loss: 0.5158 - acc: 0.7450
1523 267/620 [=====>.....] - ETA: 13:33 -
    loss: 0.5158 - acc: 0.7449
1524 268/620 [=====>.....] - ETA: 13:31 -
    loss: 0.5160 - acc: 0.7446
1525 269/620 [=====>.....] - ETA: 13:28 -
    loss: 0.5161 - acc: 0.7441
1526 270/620 [=====>.....] - ETA: 13:26 -
    loss: 0.5163 - acc: 0.7441
1527 271/620 [=====>.....] - ETA: 13:24 -
    loss: 0.5160 - acc: 0.7443
1528 272/620 [=====>.....] - ETA: 13:21 -
    loss: 0.5157 - acc: 0.7445
1529 273/620 [=====>.....] - ETA: 13:20 -
    loss: 0.5151 - acc: 0.7449
1530 274/620 [=====>.....] - ETA: 13:18 -
    loss: 0.5150 - acc: 0.7447
1531 275/620 [=====>.....] - ETA: 13:16 -
    loss: 0.5148 - acc: 0.7448
1532 276/620 [=====>.....] - ETA: 13:14 -
    loss: 0.5147 - acc: 0.7449
1533 277/620 [=====>.....] - ETA: 13:12 -
    loss: 0.5146 - acc: 0.7450
```

```
1534 278/620 [=====>.....] - ETA: 13:10 -
    loss: 0.5146 - acc: 0.7452
1535 279/620 [=====>.....] - ETA: 13:07 -
    loss: 0.5146 - acc: 0.7451
1536 280/620 [=====>.....] - ETA: 13:04 -
    loss: 0.5153 - acc: 0.7439
1537 281/620 [=====>.....] - ETA: 13:01 -
    loss: 0.5154 - acc: 0.7440
1538 282/620 [=====>.....] - ETA: 12:59 -
    loss: 0.5149 - acc: 0.7443
1539 283/620 [=====>.....] - ETA: 12:57 -
    loss: 0.5148 - acc: 0.7443
1540 284/620 [=====>.....] - ETA: 12:54 -
    loss: 0.5152 - acc: 0.7440
1541 285/620 [=====>.....] - ETA: 12:52 -
    loss: 0.5153 - acc: 0.7438
1542 286/620 [=====>.....] - ETA: 12:50 -
    loss: 0.5154 - acc: 0.7438
1543 287/620 [=====>.....] - ETA: 12:48 -
    loss: 0.5153 - acc: 0.7440
1544 288/620 [=====>.....] - ETA: 12:45 -
    loss: 0.5156 - acc: 0.7439
1545 289/620 [=====>.....] - ETA: 12:43 -
    loss: 0.5152 - acc: 0.7440
1546 290/620 [=====>.....] - ETA: 12:41 -
    loss: 0.5151 - acc: 0.7439
1547 291/620 [=====>.....] - ETA: 12:39 -
    loss: 0.5149 - acc: 0.7442
1548 292/620 [=====>.....] - ETA: 12:36 -
    loss: 0.5146 - acc: 0.7441
1549 293/620 [=====>.....] - ETA: 12:34 -
    loss: 0.5149 - acc: 0.7438
1550 294/620 [=====>.....] - ETA: 12:32 -
    loss: 0.5147 - acc: 0.7437
1551 295/620 [=====>.....] - ETA: 12:29 -
    loss: 0.5148 - acc: 0.7436
1552 296/620 [=====>.....] - ETA: 12:27 -
    loss: 0.5150 - acc: 0.7435
1553 297/620 [=====>.....] - ETA: 12:25 -
    loss: 0.5155 - acc: 0.7432
1554 298/620 [=====>.....] - ETA: 12:22 -
    loss: 0.5158 - acc: 0.7429
1555 299/620 [=====>.....] - ETA: 12:20 -
    loss: 0.5157 - acc: 0.7431
1556 300/620 [=====>.....] - ETA: 12:16 -
```

```
1556 loss: 0.5151 - acc: 0.7436
1557 301/620 [=====>.....] - ETA: 12:14 -
    loss: 0.5150 - acc: 0.7437
1558 302/620 [=====>.....] - ETA: 12:12 -
    loss: 0.5156 - acc: 0.7433
1559 303/620 [=====>.....] - ETA: 12:10 -
    loss: 0.5154 - acc: 0.7436
1560 304/620 [=====>.....] - ETA: 12:07 -
    loss: 0.5150 - acc: 0.7440
1561 305/620 [=====>.....] - ETA: 12:05 -
    loss: 0.5147 - acc: 0.7441
1562 306/620 [=====>.....] - ETA: 12:03 -
    loss: 0.5149 - acc: 0.7438
1563 307/620 [=====>.....] - ETA: 12:00 -
    loss: 0.5151 - acc: 0.7439
1564 308/620 [=====>.....] - ETA: 11:58 -
    loss: 0.5150 - acc: 0.7439
1565 309/620 [=====>.....] - ETA: 11:56 -
    loss: 0.5150 - acc: 0.7436
1566 310/620 [=====>.....] - ETA: 11:53 -
    loss: 0.5151 - acc: 0.7434
1567 311/620 [=====>.....] - ETA: 11:51 -
    loss: 0.5151 - acc: 0.7434
1568 312/620 [=====>.....] - ETA: 11:49 -
    loss: 0.5151 - acc: 0.7433
1569 313/620 [=====>.....] - ETA: 11:46 -
    loss: 0.5147 - acc: 0.7437
1570 314/620 [=====>.....] - ETA: 11:44 -
    loss: 0.5146 - acc: 0.7439
1571 315/620 [=====>.....] - ETA: 11:42 -
    loss: 0.5143 - acc: 0.7442
1572 316/620 [=====>.....] - ETA: 11:39 -
    loss: 0.5144 - acc: 0.7441
1573 317/620 [=====>.....] - ETA: 11:37 -
    loss: 0.5144 - acc: 0.7441
1574 318/620 [=====>.....] - ETA: 11:35 -
    loss: 0.5140 - acc: 0.7443
1575 319/620 [=====>.....] - ETA: 11:33 -
    loss: 0.5140 - acc: 0.7442
1576 320/620 [=====>.....] - ETA: 11:29 -
    loss: 0.5138 - acc: 0.7442
1577 321/620 [=====>.....] - ETA: 11:27 -
    loss: 0.5139 - acc: 0.7443
1578 322/620 [=====>.....] - ETA: 11:24 -
    loss: 0.5144 - acc: 0.7437
```

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```
1579 323/620 [=====>.....] - ETA: 11:22 -
    loss: 0.5147 - acc: 0.7435
1580 324/620 [=====>.....] - ETA: 11:20 -
    loss: 0.5146 - acc: 0.7438
1581 325/620 [=====>.....] - ETA: 11:18 -
    loss: 0.5138 - acc: 0.7443
1582 326/620 [=====>.....] - ETA: 11:16 -
    loss: 0.5137 - acc: 0.7442
1583 327/620 [=====>.....] - ETA: 11:14 -
    loss: 0.5140 - acc: 0.7435
1584 328/620 [=====>.....] - ETA: 11:12 -
    loss: 0.5140 - acc: 0.7435
1585 329/620 [=====>.....] - ETA: 11:09 -
    loss: 0.5137 - acc: 0.7437
1586 330/620 [=====>.....] - ETA: 11:07 -
    loss: 0.5137 - acc: 0.7438
1587 331/620 [=====>.....] - ETA: 11:05 -
    loss: 0.5134 - acc: 0.7441
1588 332/620 [=====>.....] - ETA: 11:03 -
    loss: 0.5138 - acc: 0.7437
1589 333/620 [=====>.....] - ETA: 11:00 -
    loss: 0.5139 - acc: 0.7436
1590 334/620 [=====>.....] - ETA: 10:58 -
    loss: 0.5139 - acc: 0.7435
1591 335/620 [=====>.....] - ETA: 10:56 -
    loss: 0.5140 - acc: 0.7433
1592 336/620 [=====>.....] - ETA: 10:53 -
    loss: 0.5140 - acc: 0.7432
1593 337/620 [=====>.....] - ETA: 10:51 -
    loss: 0.5141 - acc: 0.7433
1594 338/620 [=====>.....] - ETA: 10:49 -
    loss: 0.5138 - acc: 0.7436
1595 339/620 [=====>.....] - ETA: 10:46 -
    loss: 0.5137 - acc: 0.7437
1596 340/620 [=====>.....] - ETA: 10:43 -
    loss: 0.5136 - acc: 0.7440
1597 341/620 [=====>.....] - ETA: 10:41 -
    loss: 0.5136 - acc: 0.7440
1598 342/620 [=====>.....] - ETA: 10:39 -
    loss: 0.5134 - acc: 0.7439
1599 343/620 [=====>.....] - ETA: 10:36 -
    loss: 0.5135 - acc: 0.7440
1600 344/620 [=====>.....] - ETA: 10:34 -
    loss: 0.5135 - acc: 0.7441
1601 345/620 [=====>.....] - ETA: 10:32 -
```

```
1601 loss: 0.5134 - acc: 0.7443
1602 346/620 [=====>.....] - ETA: 10:30 -
    loss: 0.5135 - acc: 0.7440
1603 347/620 [=====>.....] - ETA: 10:27 -
    loss: 0.5138 - acc: 0.7439
1604 348/620 [=====>.....] - ETA: 10:25 -
    loss: 0.5140 - acc: 0.7439
1605 349/620 [=====>.....] - ETA: 10:23 -
    loss: 0.5137 - acc: 0.7441
1606 350/620 [=====>.....] - ETA: 10:21 -
    loss: 0.5136 - acc: 0.7443
1607 351/620 [=====>.....] - ETA: 10:18 -
    loss: 0.5138 - acc: 0.7442
1608 352/620 [=====>.....] - ETA: 10:16 -
    loss: 0.5136 - acc: 0.7445
1609 353/620 [=====>.....] - ETA: 10:14 -
    loss: 0.5135 - acc: 0.7446
1610 354/620 [=====>.....] - ETA: 10:12 -
    loss: 0.5132 - acc: 0.7449
1611 355/620 [=====>.....] - ETA: 10:09 -
    loss: 0.5131 - acc: 0.7449
1612 356/620 [=====>.....] - ETA: 10:07 -
    loss: 0.5132 - acc: 0.7451
1613 357/620 [=====>.....] - ETA: 10:05 -
    loss: 0.5133 - acc: 0.7451
1614 358/620 [=====>.....] - ETA: 10:03 -
    loss: 0.5131 - acc: 0.7453
1615 359/620 [=====>.....] - ETA: 10:00 -
    loss: 0.5134 - acc: 0.7447
1616 360/620 [=====>.....] - ETA: 9:57 -
    loss: 0.5139 - acc: 0.7443
1617 361/620 [=====>.....] - ETA: 9:55 -
    loss: 0.5139 - acc: 0.7442
1618 362/620 [=====>.....] - ETA: 9:53 -
    loss: 0.5139 - acc: 0.7442
1619 363/620 [=====>.....] - ETA: 9:50 -
    loss: 0.5139 - acc: 0.7444
1620 364/620 [=====>.....] - ETA: 9:48 -
    loss: 0.5138 - acc: 0.7446
1621 365/620 [=====>.....] - ETA: 9:46 -
    loss: 0.5135 - acc: 0.7449
1622 366/620 [=====>.....] - ETA: 9:43 -
    loss: 0.5134 - acc: 0.7450
1623 367/620 [=====>.....] - ETA: 9:41 -
    loss: 0.5132 - acc: 0.7451
```

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1624 368/620 [=====>.....] - ETA: 9:39 -
    loss: 0.5132 - acc: 0.7451
1625 369/620 [=====>.....] - ETA: 9:37 -
    loss: 0.5132 - acc: 0.7451
1626 370/620 [=====>.....] - ETA: 9:34 -
    loss: 0.5131 - acc: 0.7451
1627 371/620 [=====>.....] - ETA: 9:32 -
    loss: 0.5133 - acc: 0.7451
1628 372/620 [=====>.....] - ETA: 9:30 -
    loss: 0.5133 - acc: 0.7449
1629 373/620 [=====>.....] - ETA: 9:27 -
    loss: 0.5134 - acc: 0.7448
1630 374/620 [=====>.....] - ETA: 9:25 -
    loss: 0.5133 - acc: 0.7447
1631 375/620 [=====>.....] - ETA: 9:23 -
    loss: 0.5132 - acc: 0.7446
1632 376/620 [=====>.....] - ETA: 9:21 -
    loss: 0.5131 - acc: 0.7445
1633 377/620 [=====>.....] - ETA: 9:18 -
    loss: 0.5139 - acc: 0.7439
1634 378/620 [=====>.....] - ETA: 9:16 -
    loss: 0.5135 - acc: 0.7441
1635 379/620 [=====>.....] - ETA: 9:14 -
    loss: 0.5134 - acc: 0.7441
1636 380/620 [=====>.....] - ETA: 9:11 -
    loss: 0.5136 - acc: 0.7439
1637 381/620 [=====>.....] - ETA: 9:09 -
    loss: 0.5133 - acc: 0.7442
1638 382/620 [=====>.....] - ETA: 9:07 -
    loss: 0.5131 - acc: 0.7445
1639 383/620 [=====>.....] - ETA: 9:04 -
    loss: 0.5130 - acc: 0.7447
1640 384/620 [=====>.....] - ETA: 9:02 -
    loss: 0.5134 - acc: 0.7444
1641 385/620 [=====>.....] - ETA: 9:00 -
    loss: 0.5131 - acc: 0.7447
1642 386/620 [=====>.....] - ETA: 8:58 -
    loss: 0.5129 - acc: 0.7447
1643 387/620 [=====>.....] - ETA: 8:55 -
    loss: 0.5131 - acc: 0.7446
1644 388/620 [=====>.....] - ETA: 8:53 -
    loss: 0.5129 - acc: 0.7447
1645 389/620 [=====>.....] - ETA: 8:51 -
    loss: 0.5127 - acc: 0.7448
1646 390/620 [=====>.....] - ETA: 8:48 -
```

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1646 loss: 0.5125 - acc: 0.7448
1647 391/620 [======>.....] - ETA: 8:46 -
    loss: 0.5126 - acc: 0.7449
1648 392/620 [======>.....] - ETA: 8:44 -
    loss: 0.5130 - acc: 0.7446
1649 393/620 [======>.....] - ETA: 8:41 -
    loss: 0.5127 - acc: 0.7449
1650 394/620 [======>.....] - ETA: 8:39 -
    loss: 0.5125 - acc: 0.7451
1651 395/620 [======>.....] - ETA: 8:37 -
    loss: 0.5124 - acc: 0.7453
1652 396/620 [======>.....] - ETA: 8:35 -
    loss: 0.5124 - acc: 0.7454
1653 397/620 [======>.....] - ETA: 8:32 -
    loss: 0.5125 - acc: 0.7452
1654 398/620 [======>.....] - ETA: 8:30 -
    loss: 0.5126 - acc: 0.7451
1655 399/620 [======>.....] - ETA: 8:28 -
    loss: 0.5125 - acc: 0.7452
1656 400/620 [======>.....] - ETA: 8:25 -
    loss: 0.5128 - acc: 0.7448
1657 401/620 [======>.....] - ETA: 8:23 -
    loss: 0.5126 - acc: 0.7450
1658 402/620 [======>.....] - ETA: 8:20 -
    loss: 0.5129 - acc: 0.7445
1659 403/620 [======>.....] - ETA: 8:18 -
    loss: 0.5129 - acc: 0.7445
1660 404/620 [======>.....] - ETA: 8:16 -
    loss: 0.5127 - acc: 0.7448
1661 405/620 [======>.....] - ETA: 8:14 -
    loss: 0.5127 - acc: 0.7450
1662 406/620 [======>.....] - ETA: 8:11 -
    loss: 0.5125 - acc: 0.7452
1663 407/620 [======>.....] - ETA: 8:09 -
    loss: 0.5127 - acc: 0.7449
1664 408/620 [======>.....] - ETA: 8:07 -
    loss: 0.5124 - acc: 0.7451
1665 409/620 [======>.....] - ETA: 8:04 -
    loss: 0.5125 - acc: 0.7449
1666 410/620 [======>.....] - ETA: 8:02 -
    loss: 0.5124 - acc: 0.7451
1667 411/620 [======>.....] - ETA: 8:00 -
    loss: 0.5123 - acc: 0.7450
1668 412/620 [======>.....] - ETA: 7:57 -
    loss: 0.5124 - acc: 0.7449
```

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1669 413/620 [=====>.....] - ETA: 7:55 -
    loss: 0.5125 - acc: 0.7450
1670 414/620 [=====>.....] - ETA: 7:53 -
    loss: 0.5126 - acc: 0.7450
1671 415/620 [=====>.....] - ETA: 7:51 -
    loss: 0.5128 - acc: 0.7447
1672 416/620 [=====>.....] - ETA: 7:48 -
    loss: 0.5128 - acc: 0.7446
1673 417/620 [=====>.....] - ETA: 7:46 -
    loss: 0.5126 - acc: 0.7449
1674 418/620 [=====>.....] - ETA: 7:44 -
    loss: 0.5127 - acc: 0.7447
1675 419/620 [=====>.....] - ETA: 7:41 -
    loss: 0.5125 - acc: 0.7446
1676 420/620 [=====>.....] - ETA: 7:39 -
    loss: 0.5122 - acc: 0.7450
1677 421/620 [=====>.....] - ETA: 7:36 -
    loss: 0.5124 - acc: 0.7446
1678 422/620 [=====>.....] - ETA: 7:34 -
    loss: 0.5127 - acc: 0.7445
1679 423/620 [=====>.....] - ETA: 7:32 -
    loss: 0.5123 - acc: 0.7449
1680 424/620 [=====>.....] - ETA: 7:29 -
    loss: 0.5121 - acc: 0.7451
1681 425/620 [=====>.....] - ETA: 7:27 -
    loss: 0.5120 - acc: 0.7453
1682 426/620 [=====>.....] - ETA: 7:25 -
    loss: 0.5117 - acc: 0.7456
1683 427/620 [=====>.....] - ETA: 7:23 -
    loss: 0.5115 - acc: 0.7457
1684 428/620 [=====>.....] - ETA: 7:20 -
    loss: 0.5115 - acc: 0.7457
1685 429/620 [=====>.....] - ETA: 7:18 -
    loss: 0.5114 - acc: 0.7456
1686 430/620 [=====>.....] - ETA: 7:16 -
    loss: 0.5111 - acc: 0.7459
1687 431/620 [=====>.....] - ETA: 7:14 -
    loss: 0.5112 - acc: 0.7461
1688 432/620 [=====>.....] - ETA: 7:12 -
    loss: 0.5112 - acc: 0.7460
1689 433/620 [=====>.....] - ETA: 7:10 -
    loss: 0.5113 - acc: 0.7460
1690 434/620 [=====>.....] - ETA: 7:07 -
    loss: 0.5109 - acc: 0.7462
1691 435/620 [=====>.....] - ETA: 7:05 -
```

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1691 loss: 0.5108 - acc: 0.7462
1692 436/620 [=====>.....] - ETA: 7:03 -
    loss: 0.5108 - acc: 0.7460
1693 437/620 [=====>.....] - ETA: 7:01 -
    loss: 0.5113 - acc: 0.7458
1694 438/620 [=====>.....] - ETA: 6:58 -
    loss: 0.5118 - acc: 0.7455
1695 439/620 [=====>.....] - ETA: 6:56 -
    loss: 0.5122 - acc: 0.7452
1696 440/620 [=====>.....] - ETA: 6:54 -
    loss: 0.5126 - acc: 0.7450
1697 441/620 [=====>.....] - ETA: 6:51 -
    loss: 0.5123 - acc: 0.7453
1698 442/620 [=====>.....] - ETA: 6:49 -
    loss: 0.5124 - acc: 0.7451
1699 443/620 [=====>.....] - ETA: 6:47 -
    loss: 0.5125 - acc: 0.7450
1700 444/620 [=====>.....] - ETA: 6:45 -
    loss: 0.5125 - acc: 0.7451
1701 445/620 [=====>.....] - ETA: 6:43 -
    loss: 0.5126 - acc: 0.7450
1702 446/620 [=====>.....] - ETA: 6:41 -
    loss: 0.5125 - acc: 0.7452
1703 447/620 [=====>.....] - ETA: 6:39 -
    loss: 0.5127 - acc: 0.7451
1704 448/620 [=====>.....] - ETA: 6:37 -
    loss: 0.5130 - acc: 0.7448
1705 449/620 [=====>.....] - ETA: 6:35 -
    loss: 0.5130 - acc: 0.7448
1706 450/620 [=====>.....] - ETA: 6:32 -
    loss: 0.5130 - acc: 0.7450
1707 451/620 [=====>.....] - ETA: 6:30 -
    loss: 0.5129 - acc: 0.7451
1708 452/620 [=====>.....] - ETA: 6:28 -
    loss: 0.5130 - acc: 0.7450
1709 453/620 [=====>.....] - ETA: 6:26 -
    loss: 0.5131 - acc: 0.7449
1710 454/620 [=====>.....] - ETA: 6:24 -
    loss: 0.5133 - acc: 0.7446
1711 455/620 [=====>.....] - ETA: 6:21 -
    loss: 0.5134 - acc: 0.7443
1712 456/620 [=====>.....] - ETA: 6:19 -
    loss: 0.5134 - acc: 0.7444
1713 457/620 [=====>.....] - ETA: 6:17 -
    loss: 0.5134 - acc: 0.7447
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1714 458/620 [=====>.....] - ETA: 6:15 -
    loss: 0.5133 - acc: 0.7447
1715 459/620 [=====>.....] - ETA: 6:13 -
    loss: 0.5132 - acc: 0.7450
1716 460/620 [=====>.....] - ETA: 6:10 -
    loss: 0.5129 - acc: 0.7453
1717 461/620 [=====>.....] - ETA: 6:08 -
    loss: 0.5127 - acc: 0.7455
1718 462/620 [=====>.....] - ETA: 6:06 -
    loss: 0.5124 - acc: 0.7458
1719 463/620 [=====>.....] - ETA: 6:04 -
    loss: 0.5123 - acc: 0.7458
1720 464/620 [=====>.....] - ETA: 6:02 -
    loss: 0.5123 - acc: 0.7456
1721 465/620 [=====>.....] - ETA: 6:00 -
    loss: 0.5123 - acc: 0.7458
1722 466/620 [=====>.....] - ETA: 5:57 -
    loss: 0.5124 - acc: 0.7455
1723 467/620 [=====>.....] - ETA: 5:55 -
    loss: 0.5126 - acc: 0.7455
1724 468/620 [=====>.....] - ETA: 5:53 -
    loss: 0.5126 - acc: 0.7454
1725 469/620 [=====>.....] - ETA: 5:51 -
    loss: 0.5127 - acc: 0.7453
1726 470/620 [=====>.....] - ETA: 5:49 -
    loss: 0.5129 - acc: 0.7452
1727 471/620 [=====>.....] - ETA: 5:46 -
    loss: 0.5127 - acc: 0.7453
1728 472/620 [=====>.....] - ETA: 5:44 -
    loss: 0.5125 - acc: 0.7454
1729 473/620 [=====>.....] - ETA: 5:42 -
    loss: 0.5125 - acc: 0.7453
1730 474/620 [=====>.....] - ETA: 5:40 -
    loss: 0.5124 - acc: 0.7453
1731 475/620 [=====>.....] - ETA: 5:38 -
    loss: 0.5126 - acc: 0.7453
1732 476/620 [=====>.....] - ETA: 5:36 -
    loss: 0.5126 - acc: 0.7452
1733 477/620 [=====>.....] - ETA: 5:33 -
    loss: 0.5126 - acc: 0.7453
1734 478/620 [=====>.....] - ETA: 5:31 -
    loss: 0.5127 - acc: 0.7452
1735 479/620 [=====>.....] - ETA: 5:29 -
    loss: 0.5129 - acc: 0.7452
1736 480/620 [=====>.....] - ETA: 5:26 -
```

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1736 loss: 0.5129 - acc: 0.7452
1737 481/620 [=====>.....] - ETA: 5:24 -
    loss: 0.5129 - acc: 0.7454
1738 482/620 [=====>.....] - ETA: 5:22 -
    loss: 0.5128 - acc: 0.7455
1739 483/620 [=====>.....] - ETA: 5:20 -
    loss: 0.5129 - acc: 0.7454
1740 484/620 [=====>.....] - ETA: 5:17 -
    loss: 0.5131 - acc: 0.7452
1741 485/620 [=====>.....] - ETA: 5:15 -
    loss: 0.5130 - acc: 0.7453
1742 486/620 [=====>.....] - ETA: 5:13 -
    loss: 0.5129 - acc: 0.7455
1743 487/620 [=====>.....] - ETA: 5:11 -
    loss: 0.5127 - acc: 0.7456
1744 488/620 [=====>.....] - ETA: 5:09 -
    loss: 0.5126 - acc: 0.7455
1745 489/620 [=====>.....] - ETA: 5:06 -
    loss: 0.5127 - acc: 0.7455
1746 490/620 [=====>.....] - ETA: 5:04 -
    loss: 0.5124 - acc: 0.7457
1747 491/620 [=====>.....] - ETA: 5:02 -
    loss: 0.5124 - acc: 0.7458
1748 492/620 [=====>.....] - ETA: 5:00 -
    loss: 0.5123 - acc: 0.7460
1749 493/620 [=====>.....] - ETA: 4:57 -
    loss: 0.5123 - acc: 0.7460
1750 494/620 [=====>.....] - ETA: 4:55 -
    loss: 0.5124 - acc: 0.7459
1751 495/620 [=====>.....] - ETA: 4:53 -
    loss: 0.5124 - acc: 0.7459
1752 496/620 [=====>.....] - ETA: 4:50 -
    loss: 0.5126 - acc: 0.7457
1753 497/620 [=====>.....] - ETA: 4:48 -
    loss: 0.5125 - acc: 0.7457
1754 498/620 [=====>.....] - ETA: 4:46 -
    loss: 0.5123 - acc: 0.7458
1755 499/620 [=====>.....] - ETA: 4:44 -
    loss: 0.5123 - acc: 0.7459
1756 500/620 [=====>.....] - ETA: 4:41 -
    loss: 0.5125 - acc: 0.7459
1757 501/620 [=====>.....] - ETA: 4:39 -
    loss: 0.5125 - acc: 0.7460
1758 502/620 [=====>.....] - ETA: 4:36 -
    loss: 0.5124 - acc: 0.7459
```

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1759 503/620 [=====>.....] - ETA: 4:34 -
    loss: 0.5125 - acc: 0.7458
1760 504/620 [=====>.....] - ETA: 4:32 -
    loss: 0.5124 - acc: 0.7460
1761 505/620 [=====>.....] - ETA: 4:30 -
    loss: 0.5121 - acc: 0.7463
1762 506/620 [=====>.....] - ETA: 4:27 -
    loss: 0.5122 - acc: 0.7462
1763 507/620 [=====>.....] - ETA: 4:25 -
    loss: 0.5123 - acc: 0.7461
1764 508/620 [=====>.....] - ETA: 4:23 -
    loss: 0.5123 - acc: 0.7462
1765 509/620 [=====>.....] - ETA: 4:20 -
    loss: 0.5124 - acc: 0.7460
1766 510/620 [=====>.....] - ETA: 4:18 -
    loss: 0.5123 - acc: 0.7461
1767 511/620 [=====>.....] - ETA: 4:16 -
    loss: 0.5123 - acc: 0.7459
1768 512/620 [=====>.....] - ETA: 4:14 -
    loss: 0.5123 - acc: 0.7459
1769 513/620 [=====>.....] - ETA: 4:11 -
    loss: 0.5127 - acc: 0.7456
1770 514/620 [=====>.....] - ETA: 4:09 -
    loss: 0.5126 - acc: 0.7457
1771 515/620 [=====>.....] - ETA: 4:07 -
    loss: 0.5124 - acc: 0.7457
1772 516/620 [=====>.....] - ETA: 4:05 -
    loss: 0.5122 - acc: 0.7458
1773 517/620 [=====>.....] - ETA: 4:02 -
    loss: 0.5123 - acc: 0.7457
1774 518/620 [=====>.....] - ETA: 4:00 -
    loss: 0.5121 - acc: 0.7459
1775 519/620 [=====>.....] - ETA: 3:58 -
    loss: 0.5119 - acc: 0.7460
1776 520/620 [=====>.....] - ETA: 3:55 -
    loss: 0.5117 - acc: 0.7464
1777 521/620 [=====>.....] - ETA: 3:53 -
    loss: 0.5115 - acc: 0.7466
1778 522/620 [=====>.....] - ETA: 3:51 -
    loss: 0.5115 - acc: 0.7466
1779 523/620 [=====>.....] - ETA: 3:48 -
    loss: 0.5113 - acc: 0.7468
1780 524/620 [=====>.....] - ETA: 3:46 -
    loss: 0.5114 - acc: 0.7468
1781 525/620 [=====>.....] - ETA: 3:44 -
```

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1781 loss: 0.5113 - acc: 0.7469
1782 526/620 [=====>.....] - ETA: 3:41 -
    loss: 0.5119 - acc: 0.7466
1783 527/620 [=====>.....] - ETA: 3:39 -
    loss: 0.5121 - acc: 0.7464
1784 528/620 [=====>.....] - ETA: 3:37 -
    loss: 0.5123 - acc: 0.7463
1785 529/620 [=====>.....] - ETA: 3:35 -
    loss: 0.5120 - acc: 0.7463
1786 530/620 [=====>.....] - ETA: 3:32 -
    loss: 0.5121 - acc: 0.7463
1787 531/620 [=====>.....] - ETA: 3:30 -
    loss: 0.5122 - acc: 0.7461
1788 532/620 [=====>.....] - ETA: 3:28 -
    loss: 0.5122 - acc: 0.7461
1789 533/620 [=====>.....] - ETA: 3:25 -
    loss: 0.5121 - acc: 0.7462
1790 534/620 [=====>.....] - ETA: 3:23 -
    loss: 0.5120 - acc: 0.7464
1791 535/620 [=====>.....] - ETA: 3:21 -
    loss: 0.5119 - acc: 0.7464
1792 536/620 [=====>.....] - ETA: 3:19 -
    loss: 0.5119 - acc: 0.7465
1793 537/620 [=====>.....] - ETA: 3:16 -
    loss: 0.5118 - acc: 0.7464
1794 538/620 [=====>....] - ETA: 3:14 -
    loss: 0.5117 - acc: 0.7467
1795 539/620 [=====>....] - ETA: 3:12 -
    loss: 0.5116 - acc: 0.7467
1796 540/620 [=====>....] - ETA: 3:09 -
    loss: 0.5119 - acc: 0.7466
1797 541/620 [=====>....] - ETA: 3:07 -
    loss: 0.5120 - acc: 0.7466
1798 542/620 [=====>....] - ETA: 3:04 -
    loss: 0.5121 - acc: 0.7464
1799 543/620 [=====>....] - ETA: 3:02 -
    loss: 0.5125 - acc: 0.7463
1800 544/620 [=====>....] - ETA: 3:00 -
    loss: 0.5123 - acc: 0.7464
1801 545/620 [=====>....] - ETA: 2:58 -
    loss: 0.5122 - acc: 0.7464
1802 546/620 [=====>....] - ETA: 2:55 -
    loss: 0.5120 - acc: 0.7466
1803 547/620 [=====>....] - ETA: 2:53 -
    loss: 0.5122 - acc: 0.7465
```

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1804 548/620 [=====>....] - ETA: 2:51 -
    loss: 0.5122 - acc: 0.7464
1805 549/620 [=====>....] - ETA: 2:48 -
    loss: 0.5121 - acc: 0.7465
1806 550/620 [=====>....] - ETA: 2:46 -
    loss: 0.5120 - acc: 0.7466
1807 551/620 [=====>....] - ETA: 2:44 -
    loss: 0.5119 - acc: 0.7468
1808 552/620 [=====>....] - ETA: 2:41 -
    loss: 0.5120 - acc: 0.7467
1809 553/620 [=====>....] - ETA: 2:39 -
    loss: 0.5120 - acc: 0.7467
1810 554/620 [=====>....] - ETA: 2:37 -
    loss: 0.5119 - acc: 0.7466
1811 555/620 [=====>....] - ETA: 2:34 -
    loss: 0.5118 - acc: 0.7466
1812 556/620 [=====>....] - ETA: 2:32 -
    loss: 0.5119 - acc: 0.7466
1813 557/620 [=====>....] - ETA: 2:30 -
    loss: 0.5118 - acc: 0.7466
1814 558/620 [=====>...] - ETA: 2:27 -
    loss: 0.5116 - acc: 0.7468
1815 559/620 [=====>...] - ETA: 2:25 -
    loss: 0.5116 - acc: 0.7466
1816 560/620 [=====>...] - ETA: 2:23 -
    loss: 0.5116 - acc: 0.7468
1817 561/620 [=====>...] - ETA: 2:20 -
    loss: 0.5116 - acc: 0.7467
1818 562/620 [=====>...] - ETA: 2:18 -
    loss: 0.5117 - acc: 0.7466
1819 563/620 [=====>...] - ETA: 2:16 -
    loss: 0.5116 - acc: 0.7467
1820 564/620 [=====>...] - ETA: 2:13 -
    loss: 0.5114 - acc: 0.7468
1821 565/620 [=====>...] - ETA: 2:11 -
    loss: 0.5115 - acc: 0.7467
1822 566/620 [=====>...] - ETA: 2:09 -
    loss: 0.5116 - acc: 0.7468
1823 567/620 [=====>...] - ETA: 2:06 -
    loss: 0.5114 - acc: 0.7470
1824 568/620 [=====>...] - ETA: 2:04 -
    loss: 0.5114 - acc: 0.7470
1825 569/620 [=====>...] - ETA: 2:02 -
    loss: 0.5114 - acc: 0.7468
1826 570/620 [=====>...] - ETA: 1:59 -
```

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1826 loss: 0.5114 - acc: 0.7468
1827 571/620 [=====>...] - ETA: 1:57 -
    loss: 0.5115 - acc: 0.7465
1828 572/620 [=====>...] - ETA: 1:54 -
    loss: 0.5115 - acc: 0.7464
1829 573/620 [=====>...] - ETA: 1:52 -
    loss: 0.5115 - acc: 0.7464
1830 574/620 [=====>...] - ETA: 1:50 -
    loss: 0.5119 - acc: 0.7460
1831 575/620 [=====>...] - ETA: 1:47 -
    loss: 0.5121 - acc: 0.7459
1832 576/620 [=====>...] - ETA: 1:45 -
    loss: 0.5123 - acc: 0.7456
1833 577/620 [=====>...] - ETA: 1:43 -
    loss: 0.5122 - acc: 0.7458
1834 578/620 [=====>...] - ETA: 1:40 -
    loss: 0.5122 - acc: 0.7458
1835 579/620 [=====>...] - ETA: 1:38 -
    loss: 0.5120 - acc: 0.7460
1836 580/620 [=====>...] - ETA: 1:36 -
    loss: 0.5119 - acc: 0.7463
1837 581/620 [=====>...] - ETA: 1:33 -
    loss: 0.5117 - acc: 0.7463
1838 582/620 [=====>...] - ETA: 1:31 -
    loss: 0.5118 - acc: 0.7463
1839 583/620 [=====>...] - ETA: 1:29 -
    loss: 0.5117 - acc: 0.7462
1840 584/620 [=====>...] - ETA: 1:26 -
    loss: 0.5116 - acc: 0.7463
1841 585/620 [=====>...] - ETA: 1:24 -
    loss: 0.5113 - acc: 0.7466
1842 586/620 [=====>...] - ETA: 1:21 -
    loss: 0.5113 - acc: 0.7465
1843 587/620 [=====>...] - ETA: 1:19 -
    loss: 0.5114 - acc: 0.7465
1844 588/620 [=====>...] - ETA: 1:17 -
    loss: 0.5117 - acc: 0.7462
1845 589/620 [=====>...] - ETA: 1:14 -
    loss: 0.5117 - acc: 0.7462
1846 590/620 [=====>...] - ETA: 1:12 -
    loss: 0.5118 - acc: 0.7462
1847 591/620 [=====>...] - ETA: 1:10 -
    loss: 0.5120 - acc: 0.7459
1848 592/620 [=====>...] - ETA: 1:07 -
    loss: 0.5119 - acc: 0.7461
```

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1849 593/620 [=====>..] - ETA: 1:05 -
    loss: 0.5119 - acc: 0.7460
1850 594/620 [=====>..] - ETA: 1:02 -
    loss: 0.5120 - acc: 0.7459
1851 595/620 [=====>..] - ETA: 1:00 -
    loss: 0.5120 - acc: 0.7460
1852 596/620 [=====>..] - ETA: 58s -
    loss: 0.5121 - acc: 0.7459
1853 597/620 [=====>..] - ETA: 55s -
    loss: 0.5121 - acc: 0.7459
1854 598/620 [=====>..] - ETA: 53s -
    loss: 0.5118 - acc: 0.7462
1855 599/620 [=====>..] - ETA: 50s -
    loss: 0.5117 - acc: 0.7462
1856 600/620 [=====>..] - ETA: 48s -
    loss: 0.5116 - acc: 0.7463
1857 601/620 [=====>..] - ETA: 46s -
    loss: 0.5115 - acc: 0.7466
1858 602/620 [=====>..] - ETA: 43s -
    loss: 0.5113 - acc: 0.7466
1859 603/620 [=====>..] - ETA: 41s -
    loss: 0.5113 - acc: 0.7467
1860 604/620 [=====>..] - ETA: 38s -
    loss: 0.5111 - acc: 0.7469
1861 605/620 [=====>..] - ETA: 36s -
    loss: 0.5111 - acc: 0.7469
1862 606/620 [=====>..] - ETA: 33s -
    loss: 0.5113 - acc: 0.7467
1863 607/620 [=====>..] - ETA: 31s -
    loss: 0.5116 - acc: 0.7465
1864 608/620 [=====>..] - ETA: 29s -
    loss: 0.5117 - acc: 0.7464
1865 609/620 [=====>..] - ETA: 26s -
    loss: 0.5118 - acc: 0.7463
1866 610/620 [=====>..] - ETA: 24s -
    loss: 0.5116 - acc: 0.7463
1867 611/620 [=====>..] - ETA: 21s -
    loss: 0.5116 - acc: 0.7465
1868 612/620 [=====>..] - ETA: 19s -
    loss: 0.5114 - acc: 0.7466
1869 613/620 [=====>..] - ETA: 17s -
    loss: 0.5115 - acc: 0.7464
1870 614/620 [=====>..] - ETA: 14s -
    loss: 0.5113 - acc: 0.7464
1871 615/620 [=====>..] - ETA: 12s -
```

```
1871 loss: 0.5114 - acc: 0.7464
1872 616/620 [=====>..] - ETA: 9s -
    loss: 0.5114 - acc: 0.7465
1873 617/620 [=====>..] - ETA: 7s -
    loss: 0.5114 - acc: 0.7464
1874 618/620 [=====>..] - ETA: 4s -
    loss: 0.5115 - acc: 0.7464
1875 619/620 [=====>..] - ETA: 2s -
    loss: 0.5116 - acc: 0.7463
1876 620/620 [=====] - 1553s 3s/step
    - loss: 0.5115 - acc: 0.7464 - val_loss: 0.5189 -
    val_acc: 0.7580
1877 Epoch 4/10
1878
1879 1/620 [.....] - ETA: 30:47 -
    loss: 0.5125 - acc: 0.7188
1880 2/620 [.....] - ETA: 29:27 -
    loss: 0.5097 - acc: 0.7188
1881 3/620 [.....] - ETA: 28:52 -
    loss: 0.4869 - acc: 0.7292
1882 4/620 [.....] - ETA: 28:06 -
    loss: 0.4592 - acc: 0.7656
1883 5/620 [.....] - ETA: 29:01 -
    loss: 0.4812 - acc: 0.7438
1884 6/620 [.....] - ETA: 28:50 -
    loss: 0.4749 - acc: 0.7500
1885 7/620 [.....] - ETA: 28:33 -
    loss: 0.4822 - acc: 0.7545
1886 8/620 [.....] - ETA: 28:22 -
    loss: 0.4924 - acc: 0.7461
1887 9/620 [.....] - ETA: 28:26 -
    loss: 0.4934 - acc: 0.7431
1888 10/620 [.....] - ETA: 28:27 -
    loss: 0.4969 - acc: 0.7344
1889 11/620 [.....] - ETA: 28:14 -
    loss: 0.4959 - acc: 0.7358
1890 12/620 [.....] - ETA: 28:01 -
    loss: 0.4959 - acc: 0.7318
1891 13/620 [.....] - ETA: 27:47 -
    loss: 0.5011 - acc: 0.7356
1892 14/620 [.....] - ETA: 27:47 -
    loss: 0.5107 - acc: 0.7321
1893 15/620 [.....] - ETA: 27:57 -
    loss: 0.4981 - acc: 0.7438
1894 16/620 [.....] - ETA: 27:45 -
```

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1894 loss: 0.4976 - acc: 0.7480
1895 17/620 [.....] - ETA: 27:50 -
    loss: 0.4963 - acc: 0.7500
1896 18/620 [.....] - ETA: 27:57 -
    loss: 0.4948 - acc: 0.7552
1897 19/620 [.....] - ETA: 27:57 -
    loss: 0.4956 - acc: 0.7549
1898 20/620 [.....] - ETA: 27:07 -
    loss: 0.4968 - acc: 0.7547
1899 21/620 [>.....] - ETA: 26:56 -
    loss: 0.4948 - acc: 0.7530
1900 22/620 [>.....] - ETA: 26:55 -
    loss: 0.4908 - acc: 0.7571
1901 23/620 [>.....] - ETA: 26:54 -
    loss: 0.4884 - acc: 0.7568
1902 24/620 [>.....] - ETA: 26:47 -
    loss: 0.4837 - acc: 0.7630
1903 25/620 [>.....] - ETA: 26:47 -
    loss: 0.4883 - acc: 0.7588
1904 26/620 [>.....] - ETA: 26:42 -
    loss: 0.4929 - acc: 0.7560
1905 27/620 [>.....] - ETA: 26:49 -
    loss: 0.4977 - acc: 0.7500
1906 28/620 [>.....] - ETA: 26:43 -
    loss: 0.4928 - acc: 0.7545
1907 29/620 [>.....] - ETA: 26:33 -
    loss: 0.4945 - acc: 0.7554
1908 30/620 [>.....] - ETA: 26:25 -
    loss: 0.4935 - acc: 0.7552
1909 31/620 [>.....] - ETA: 26:17 -
    loss: 0.5018 - acc: 0.7520
1910 32/620 [>.....] - ETA: 26:10 -
    loss: 0.5025 - acc: 0.7520
1911 33/620 [>.....] - ETA: 26:04 -
    loss: 0.5027 - acc: 0.7509
1912 34/620 [>.....] - ETA: 26:01 -
    loss: 0.5017 - acc: 0.7500
1913 35/620 [>.....] - ETA: 25:57 -
    loss: 0.5012 - acc: 0.7518
1914 36/620 [>.....] - ETA: 25:51 -
    loss: 0.5009 - acc: 0.7509
1915 37/620 [>.....] - ETA: 25:47 -
    loss: 0.4986 - acc: 0.7517
1916 38/620 [>.....] - ETA: 25:43 -
    loss: 0.4972 - acc: 0.7525
```

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1917 39/620 [>.....] - ETA: 25:43 -
    loss: 0.4983 - acc: 0.7524
1918 40/620 [>.....] - ETA: 25:20 -
    loss: 0.4963 - acc: 0.7544
1919 41/620 [>.....] - ETA: 25:18 -
    loss: 0.4961 - acc: 0.7551
1920 42/620 [=>.....] - ETA: 25:15 -
    loss: 0.4969 - acc: 0.7527
1921 43/620 [=>.....] - ETA: 25:15 -
    loss: 0.4936 - acc: 0.7548
1922 44/620 [=>.....] - ETA: 25:12 -
    loss: 0.4941 - acc: 0.7547
1923 45/620 [=>.....] - ETA: 25:09 -
    loss: 0.4946 - acc: 0.7546
1924 46/620 [=>.....] - ETA: 25:04 -
    loss: 0.4963 - acc: 0.7538
1925 47/620 [=>.....] - ETA: 25:03 -
    loss: 0.4957 - acc: 0.7544
1926 48/620 [=>.....] - ETA: 24:58 -
    loss: 0.4964 - acc: 0.7543
1927 49/620 [=>.....] - ETA: 24:54 -
    loss: 0.4968 - acc: 0.7555
1928 50/620 [=>.....] - ETA: 24:54 -
    loss: 0.4956 - acc: 0.7554
1929 51/620 [=>.....] - ETA: 24:53 -
    loss: 0.4955 - acc: 0.7553
1930 52/620 [=>.....] - ETA: 24:49 -
    loss: 0.4961 - acc: 0.7546
1931 53/620 [=>.....] - ETA: 24:45 -
    loss: 0.4975 - acc: 0.7528
1932 54/620 [=>.....] - ETA: 24:41 -
    loss: 0.4983 - acc: 0.7510
1933 55/620 [=>.....] - ETA: 24:38 -
    loss: 0.5012 - acc: 0.7492
1934 56/620 [=>.....] - ETA: 24:33 -
    loss: 0.5024 - acc: 0.7493
1935 57/620 [=>.....] - ETA: 24:30 -
    loss: 0.4996 - acc: 0.7520
1936 58/620 [=>.....] - ETA: 24:25 -
    loss: 0.5019 - acc: 0.7514
1937 59/620 [=>.....] - ETA: 24:23 -
    loss: 0.5003 - acc: 0.7530
1938 60/620 [=>.....] - ETA: 24:06 -
    loss: 0.4990 - acc: 0.7557
1939 61/620 [=>.....] - ETA: 24:03 -
```

```
1939 loss: 0.4988 - acc: 0.7551
1940 62/620 [==>.....] - ETA: 24:05 -
    loss: 0.4985 - acc: 0.7555
1941 63/620 [==>.....] - ETA: 24:02 -
    loss: 0.4975 - acc: 0.7564
1942 64/620 [==>.....] - ETA: 23:58 -
    loss: 0.4990 - acc: 0.7549
1943 65/620 [==>.....] - ETA: 23:56 -
    loss: 0.4995 - acc: 0.7558
1944 66/620 [==>.....] - ETA: 23:55 -
    loss: 0.4993 - acc: 0.7562
1945 67/620 [==>.....] - ETA: 23:54 -
    loss: 0.4999 - acc: 0.7547
1946 68/620 [==>.....] - ETA: 23:52 -
    loss: 0.5000 - acc: 0.7546
1947 69/620 [==>.....] - ETA: 23:50 -
    loss: 0.5005 - acc: 0.7541
1948 70/620 [==>.....] - ETA: 23:48 -
    loss: 0.5010 - acc: 0.7540
1949 71/620 [==>.....] - ETA: 23:47 -
    loss: 0.4993 - acc: 0.7553
1950 72/620 [==>.....] - ETA: 23:46 -
    loss: 0.4980 - acc: 0.7561
1951 73/620 [==>.....] - ETA: 23:43 -
    loss: 0.4981 - acc: 0.7556
1952 74/620 [==>.....] - ETA: 23:44 -
    loss: 0.4958 - acc: 0.7576
1953 75/620 [==>.....] - ETA: 23:40 -
    loss: 0.4974 - acc: 0.7567
1954 76/620 [==>.....] - ETA: 23:36 -
    loss: 0.4989 - acc: 0.7558
1955 77/620 [==>.....] - ETA: 23:32 -
    loss: 0.4980 - acc: 0.7565
1956 78/620 [==>.....] - ETA: 23:29 -
    loss: 0.4974 - acc: 0.7564
1957 79/620 [==>.....] - ETA: 23:26 -
    loss: 0.4977 - acc: 0.7555
1958 80/620 [==>.....] - ETA: 23:16 -
    loss: 0.4980 - acc: 0.7544
1959 81/620 [==>.....] - ETA: 23:12 -
    loss: 0.4986 - acc: 0.7544
1960 82/620 [==>.....] - ETA: 23:11 -
    loss: 0.4961 - acc: 0.7562
1961 83/620 [==>.....] - ETA: 23:12 -
    loss: 0.4977 - acc: 0.7558
```

```
1962  84/620 [==>.....] - ETA: 23:10 -
    loss: 0.4978 - acc: 0.7561
1963  85/620 [==>.....] - ETA: 23:10 -
    loss: 0.5001 - acc: 0.7553
1964  86/620 [==>.....] - ETA: 23:11 -
    loss: 0.4996 - acc: 0.7559
1965  87/620 [==>.....] - ETA: 23:12 -
    loss: 0.4980 - acc: 0.7569
1966  88/620 [==>.....] - ETA: 23:13 -
    loss: 0.4977 - acc: 0.7569
1967  89/620 [==>.....] - ETA: 23:14 -
    loss: 0.4981 - acc: 0.7561
1968  90/620 [==>.....] - ETA: 23:14 -
    loss: 0.4968 - acc: 0.7578
1969  91/620 [==>.....] - ETA: 23:14 -
    loss: 0.4964 - acc: 0.7577
1970  92/620 [==>.....] - ETA: 23:13 -
    loss: 0.4968 - acc: 0.7566
1971  93/620 [==>.....] - ETA: 23:13 -
    loss: 0.4956 - acc: 0.7578
1972  94/620 [==>.....] - ETA: 23:13 -
    loss: 0.4959 - acc: 0.7578
1973  95/620 [==>.....] - ETA: 23:10 -
    loss: 0.4969 - acc: 0.7560
1974  96/620 [==>.....] - ETA: 23:08 -
    loss: 0.4981 - acc: 0.7560
1975  97/620 [==>.....] - ETA: 23:09 -
    loss: 0.4988 - acc: 0.7553
1976  98/620 [==>.....] - ETA: 23:08 -
    loss: 0.4993 - acc: 0.7549
1977  99/620 [==>.....] - ETA: 23:10 -
    loss: 0.4979 - acc: 0.7564
1978  100/620 [==>.....] - ETA: 23:03 -
    loss: 0.4975 - acc: 0.7564
1979  101/620 [==>.....] - ETA: 23:03 -
    loss: 0.4975 - acc: 0.7563
1980  102/620 [==>.....] - ETA: 23:06 -
    loss: 0.4985 - acc: 0.7556
1981  103/620 [==>.....] - ETA: 23:03 -
    loss: 0.4975 - acc: 0.7568
1982  104/620 [==>.....] - ETA: 23:01 -
    loss: 0.4982 - acc: 0.7561
1983  105/620 [==>.....] - ETA: 22:58 -
    loss: 0.4988 - acc: 0.7552
1984  106/620 [==>.....] - ETA: 22:53 -
```

File - cnn_2D_model

```
1984 loss: 0.4977 - acc: 0.7560
1985 107/620 [=====>.....] - ETA: 22:52 -
    loss: 0.4973 - acc: 0.7571
1986 108/620 [=====>.....] - ETA: 22:51 -
    loss: 0.4960 - acc: 0.7573
1987 109/620 [=====>.....] - ETA: 22:49 -
    loss: 0.4965 - acc: 0.7570
1988 110/620 [=====>.....] - ETA: 22:46 -
    loss: 0.4960 - acc: 0.7580
1989 111/620 [=====>.....] - ETA: 22:43 -
    loss: 0.4951 - acc: 0.7585
1990 112/620 [=====>.....] - ETA: 22:39 -
    loss: 0.4948 - acc: 0.7587
1991 113/620 [=====>.....] - ETA: 22:37 -
    loss: 0.4956 - acc: 0.7581
1992 114/620 [=====>.....] - ETA: 22:33 -
    loss: 0.4959 - acc: 0.7580
1993 115/620 [=====>.....] - ETA: 22:30 -
    loss: 0.4972 - acc: 0.7577
1994 116/620 [=====>.....] - ETA: 22:27 -
    loss: 0.4980 - acc: 0.7563
1995 117/620 [=====>.....] - ETA: 22:23 -
    loss: 0.4979 - acc: 0.7562
1996 118/620 [=====>.....] - ETA: 22:20 -
    loss: 0.4961 - acc: 0.7575
1997 119/620 [=====>.....] - ETA: 22:17 -
    loss: 0.4956 - acc: 0.7580
1998 120/620 [=====>.....] - ETA: 22:09 -
    loss: 0.4980 - acc: 0.7572
1999 121/620 [=====>.....] - ETA: 22:06 -
    loss: 0.4983 - acc: 0.7569
2000 122/620 [=====>.....] - ETA: 22:02 -
    loss: 0.4983 - acc: 0.7568
2001 123/620 [=====>.....] - ETA: 22:00 -
    loss: 0.4976 - acc: 0.7575
2002 124/620 [=====>.....] - ETA: 21:57 -
    loss: 0.4980 - acc: 0.7565
2003 125/620 [=====>.....] - ETA: 21:54 -
    loss: 0.4979 - acc: 0.7557
2004 126/620 [=====>.....] - ETA: 21:51 -
    loss: 0.4977 - acc: 0.7556
2005 127/620 [=====>.....] - ETA: 21:47 -
    loss: 0.4974 - acc: 0.7556
2006 128/620 [=====>.....] - ETA: 21:44 -
    loss: 0.4983 - acc: 0.7550
```

File - cnn_2D_model

```
2007 129/620 [=====>.....] - ETA: 21:40 -
    loss: 0.4971 - acc: 0.7557
2008 130/620 [=====>.....] - ETA: 21:37 -
    loss: 0.4971 - acc: 0.7559
2009 131/620 [=====>.....] - ETA: 21:33 -
    loss: 0.4961 - acc: 0.7568
2010 132/620 [=====>.....] - ETA: 21:29 -
    loss: 0.4958 - acc: 0.7573
2011 133/620 [=====>.....] - ETA: 21:26 -
    loss: 0.4959 - acc: 0.7574
2012 134/620 [=====>.....] - ETA: 21:22 -
    loss: 0.4958 - acc: 0.7574
2013 135/620 [=====>.....] - ETA: 21:19 -
    loss: 0.4967 - acc: 0.7564
2014 136/620 [=====>.....] - ETA: 21:17 -
    loss: 0.4969 - acc: 0.7568
2015 137/620 [=====>.....] - ETA: 21:13 -
    loss: 0.4982 - acc: 0.7556
2016 138/620 [=====>.....] - ETA: 21:10 -
    loss: 0.4988 - acc: 0.7554
2017 139/620 [=====>.....] - ETA: 21:06 -
    loss: 0.4982 - acc: 0.7560
2018 140/620 [=====>.....] - ETA: 20:59 -
    loss: 0.4997 - acc: 0.7554
2019 141/620 [=====>.....] - ETA: 20:55 -
    loss: 0.4996 - acc: 0.7551
2020 142/620 [=====>.....] - ETA: 20:52 -
    loss: 0.4998 - acc: 0.7546
2021 143/620 [=====>.....] - ETA: 20:49 -
    loss: 0.4989 - acc: 0.7548
2022 144/620 [=====>.....] - ETA: 20:45 -
    loss: 0.4996 - acc: 0.7546
2023 145/620 [=====>.....] - ETA: 20:42 -
    loss: 0.5000 - acc: 0.7539
2024 146/620 [=====>.....] - ETA: 20:38 -
    loss: 0.5000 - acc: 0.7539
2025 147/620 [=====>.....] - ETA: 20:35 -
    loss: 0.4999 - acc: 0.7540
2026 148/620 [=====>.....] - ETA: 20:32 -
    loss: 0.4995 - acc: 0.7542
2027 149/620 [=====>.....] - ETA: 20:28 -
    loss: 0.5006 - acc: 0.7534
2028 150/620 [=====>.....] - ETA: 20:25 -
    loss: 0.5006 - acc: 0.7533
2029 151/620 [=====>.....] - ETA: 20:23 -
```

```
2029 loss: 0.5012 - acc: 0.7527
2030 152/620 [=====>.....] - ETA: 20:20 -
    loss: 0.5011 - acc: 0.7529
2031 153/620 [=====>.....] - ETA: 20:16 -
    loss: 0.5007 - acc: 0.7533
2032 154/620 [=====>.....] - ETA: 20:13 -
    loss: 0.5006 - acc: 0.7537
2033 155/620 [=====>.....] - ETA: 20:10 -
    loss: 0.4999 - acc: 0.7542
2034 156/620 [=====>.....] - ETA: 20:07 -
    loss: 0.4999 - acc: 0.7546
2035 157/620 [=====>.....] - ETA: 20:04 -
    loss: 0.4996 - acc: 0.7548
2036 158/620 [=====>.....] - ETA: 20:01 -
    loss: 0.4995 - acc: 0.7549
2037 159/620 [=====>.....] - ETA: 19:58 -
    loss: 0.4994 - acc: 0.7549
2038 160/620 [=====>.....] - ETA: 19:51 -
    loss: 0.4989 - acc: 0.7554
2039 161/620 [=====>.....] - ETA: 19:48 -
    loss: 0.4994 - acc: 0.7550
2040 162/620 [=====>.....] - ETA: 19:45 -
    loss: 0.4993 - acc: 0.7548
2041 163/620 [=====>.....] - ETA: 19:42 -
    loss: 0.4999 - acc: 0.7543
2042 164/620 [=====>.....] - ETA: 19:40 -
    loss: 0.5000 - acc: 0.7543
2043 165/620 [=====>.....] - ETA: 19:36 -
    loss: 0.4993 - acc: 0.7549
2044 166/620 [=====>.....] - ETA: 19:33 -
    loss: 0.4998 - acc: 0.7545
2045 167/620 [=====>.....] - ETA: 19:30 -
    loss: 0.4998 - acc: 0.7542
2046 168/620 [=====>.....] - ETA: 19:27 -
    loss: 0.5011 - acc: 0.7537
2047 169/620 [=====>.....] - ETA: 19:23 -
    loss: 0.5011 - acc: 0.7540
2048 170/620 [=====>.....] - ETA: 19:20 -
    loss: 0.5007 - acc: 0.7538
2049 171/620 [=====>.....] - ETA: 19:17 -
    loss: 0.5000 - acc: 0.7538
2050 172/620 [=====>.....] - ETA: 19:14 -
    loss: 0.5004 - acc: 0.7532
2051 173/620 [=====>.....] - ETA: 19:11 -
    loss: 0.5005 - acc: 0.7528
```

File - cnn_2D_model

```
2052 174/620 [=====>.....] - ETA: 19:08 -
    loss: 0.5006 - acc: 0.7525
2053 175/620 [=====>.....] - ETA: 19:06 -
    loss: 0.5006 - acc: 0.7523
2054 176/620 [=====>.....] - ETA: 19:02 -
    loss: 0.5000 - acc: 0.7526
2055 177/620 [=====>.....] - ETA: 19:00 -
    loss: 0.5003 - acc: 0.7524
2056 178/620 [=====>.....] - ETA: 18:58 -
    loss: 0.5003 - acc: 0.7526
2057 179/620 [=====>.....] - ETA: 18:55 -
    loss: 0.5000 - acc: 0.7531
2058 180/620 [=====>.....] - ETA: 18:49 -
    loss: 0.5000 - acc: 0.7531
2059 181/620 [=====>.....] - ETA: 18:46 -
    loss: 0.4995 - acc: 0.7534
2060 182/620 [=====>.....] - ETA: 18:43 -
    loss: 0.4999 - acc: 0.7529
2061 183/620 [=====>.....] - ETA: 18:40 -
    loss: 0.4995 - acc: 0.7530
2062 184/620 [=====>.....] - ETA: 18:37 -
    loss: 0.5001 - acc: 0.7522
2063 185/620 [=====>.....] - ETA: 18:34 -
    loss: 0.5007 - acc: 0.7516
2064 186/620 [=====>.....] - ETA: 18:31 -
    loss: 0.5013 - acc: 0.7515
2065 187/620 [=====>.....] - ETA: 18:28 -
    loss: 0.5012 - acc: 0.7513
2066 188/620 [=====>.....] - ETA: 18:25 -
    loss: 0.5007 - acc: 0.7518
2067 189/620 [=====>.....] - ETA: 18:24 -
    loss: 0.5006 - acc: 0.7511
2068 190/620 [=====>.....] - ETA: 18:23 -
    loss: 0.5004 - acc: 0.7516
2069 191/620 [=====>.....] - ETA: 18:22 -
    loss: 0.5006 - acc: 0.7514
2070 192/620 [=====>.....] - ETA: 18:19 -
    loss: 0.5004 - acc: 0.7516
2071 193/620 [=====>.....] - ETA: 18:17 -
    loss: 0.5005 - acc: 0.7516
2072 194/620 [=====>.....] - ETA: 18:14 -
    loss: 0.5002 - acc: 0.7520
2073 195/620 [=====>.....] - ETA: 18:11 -
    loss: 0.5006 - acc: 0.7522
2074 196/620 [=====>.....] - ETA: 18:09 -
```

```
2074 loss: 0.5005 - acc: 0.7523
2075 197/620 [=====>.....] - ETA: 18:07 -
    loss: 0.4996 - acc: 0.7528
2076 198/620 [=====>.....] - ETA: 18:05 -
    loss: 0.4997 - acc: 0.7528
2077 199/620 [=====>.....] - ETA: 18:04 -
    loss: 0.4994 - acc: 0.7529
2078 200/620 [=====>.....] - ETA: 17:59 -
    loss: 0.5001 - acc: 0.7525
2079 201/620 [=====>.....] - ETA: 17:57 -
    loss: 0.5004 - acc: 0.7522
2080 202/620 [=====>.....] - ETA: 17:55 -
    loss: 0.5012 - acc: 0.7512
2081 203/620 [=====>.....] - ETA: 17:53 -
    loss: 0.5010 - acc: 0.7514
2082 204/620 [=====>.....] - ETA: 17:50 -
    loss: 0.5013 - acc: 0.7511
2083 205/620 [=====>.....] - ETA: 17:48 -
    loss: 0.5015 - acc: 0.7506
2084 206/620 [=====>.....] - ETA: 17:45 -
    loss: 0.5016 - acc: 0.7506
2085 207/620 [=====>.....] - ETA: 17:43 -
    loss: 0.5016 - acc: 0.7505
2086 208/620 [=====>.....] - ETA: 17:40 -
    loss: 0.5009 - acc: 0.7511
2087 209/620 [=====>.....] - ETA: 17:37 -
    loss: 0.5007 - acc: 0.7512
2088 210/620 [=====>.....] - ETA: 17:34 -
    loss: 0.5004 - acc: 0.7515
2089 211/620 [=====>.....] - ETA: 17:31 -
    loss: 0.4999 - acc: 0.7519
2090 212/620 [=====>.....] - ETA: 17:28 -
    loss: 0.4999 - acc: 0.7515
2091 213/620 [=====>.....] - ETA: 17:25 -
    loss: 0.4999 - acc: 0.7516
2092 214/620 [=====>.....] - ETA: 17:22 -
    loss: 0.5003 - acc: 0.7513
2093 215/620 [=====>.....] - ETA: 17:20 -
    loss: 0.4998 - acc: 0.7515
2094 216/620 [=====>.....] - ETA: 17:17 -
    loss: 0.4998 - acc: 0.7512
2095 217/620 [=====>.....] - ETA: 17:14 -
    loss: 0.5004 - acc: 0.7506
2096 218/620 [=====>.....] - ETA: 17:11 -
    loss: 0.5003 - acc: 0.7506
```

File - cnn_2D_model

```
2097 219/620 [=====>.....] - ETA: 17:08 -
    loss: 0.5001 - acc: 0.7504
2098 220/620 [=====>.....] - ETA: 17:03 -
    loss: 0.4997 - acc: 0.7508
2099 221/620 [=====>.....] - ETA: 17:01 -
    loss: 0.4996 - acc: 0.7509
2100 222/620 [=====>.....] - ETA: 16:58 -
    loss: 0.5001 - acc: 0.7508
2101 223/620 [=====>.....] - ETA: 16:55 -
    loss: 0.5003 - acc: 0.7508
2102 224/620 [=====>.....] - ETA: 16:53 -
    loss: 0.4999 - acc: 0.7509
2103 225/620 [=====>.....] - ETA: 16:50 -
    loss: 0.4998 - acc: 0.7509
2104 226/620 [=====>.....] - ETA: 16:49 -
    loss: 0.5005 - acc: 0.7504
2105 227/620 [=====>.....] - ETA: 16:47 -
    loss: 0.5001 - acc: 0.7506
2106 228/620 [=====>.....] - ETA: 16:45 -
    loss: 0.4999 - acc: 0.7508
2107 229/620 [=====>.....] - ETA: 16:43 -
    loss: 0.4995 - acc: 0.7509
2108 230/620 [=====>.....] - ETA: 16:41 -
    loss: 0.4995 - acc: 0.7506
2109 231/620 [=====>.....] - ETA: 16:38 -
    loss: 0.4996 - acc: 0.7502
2110 232/620 [=====>.....] - ETA: 16:36 -
    loss: 0.5002 - acc: 0.7497
2111 233/620 [=====>.....] - ETA: 16:34 -
    loss: 0.5002 - acc: 0.7497
2112 234/620 [=====>.....] - ETA: 16:31 -
    loss: 0.4998 - acc: 0.7500
2113 235/620 [=====>.....] - ETA: 16:29 -
    loss: 0.4995 - acc: 0.7501
2114 236/620 [=====>.....] - ETA: 16:26 -
    loss: 0.4995 - acc: 0.7500
2115 237/620 [=====>.....] - ETA: 16:24 -
    loss: 0.4997 - acc: 0.7498
2116 238/620 [=====>.....] - ETA: 16:21 -
    loss: 0.4994 - acc: 0.7504
2117 239/620 [=====>.....] - ETA: 16:19 -
    loss: 0.4993 - acc: 0.7503
2118 240/620 [=====>.....] - ETA: 16:14 -
    loss: 0.4987 - acc: 0.7507
2119 241/620 [=====>.....] - ETA: 16:12 -
```

```
2119 loss: 0.4987 - acc: 0.7507
2120 242/620 [=====>.....] - ETA: 16:10 -
    loss: 0.4988 - acc: 0.7506
2121 243/620 [=====>.....] - ETA: 16:07 -
    loss: 0.4988 - acc: 0.7503
2122 244/620 [=====>.....] - ETA: 16:05 -
    loss: 0.4986 - acc: 0.7506
2123 245/620 [=====>.....] - ETA: 16:03 -
    loss: 0.4989 - acc: 0.7498
2124 246/620 [=====>.....] - ETA: 16:00 -
    loss: 0.4986 - acc: 0.7500
2125 247/620 [=====>.....] - ETA: 15:57 -
    loss: 0.4989 - acc: 0.7498
2126 248/620 [=====>.....] - ETA: 15:55 -
    loss: 0.4987 - acc: 0.7500
2127 249/620 [=====>.....] - ETA: 15:52 -
    loss: 0.4987 - acc: 0.7497
2128 250/620 [=====>.....] - ETA: 15:50 -
    loss: 0.4988 - acc: 0.7495
2129 251/620 [=====>.....] - ETA: 15:47 -
    loss: 0.4986 - acc: 0.7495
2130 252/620 [=====>.....] - ETA: 15:45 -
    loss: 0.4984 - acc: 0.7493
2131 253/620 [=====>.....] - ETA: 15:42 -
    loss: 0.4981 - acc: 0.7494
2132 254/620 [=====>.....] - ETA: 15:39 -
    loss: 0.4983 - acc: 0.7492
2133 255/620 [=====>.....] - ETA: 15:37 -
    loss: 0.4982 - acc: 0.7494
2134 256/620 [=====>.....] - ETA: 15:34 -
    loss: 0.4983 - acc: 0.7492
2135 257/620 [=====>.....] - ETA: 15:32 -
    loss: 0.4986 - acc: 0.7491
2136 258/620 [=====>.....] - ETA: 15:29 -
    loss: 0.4983 - acc: 0.7494
2137 259/620 [=====>.....] - ETA: 15:26 -
    loss: 0.4983 - acc: 0.7492
2138 260/620 [=====>.....] - ETA: 15:22 -
    loss: 0.4987 - acc: 0.7489
2139 261/620 [=====>.....] - ETA: 15:19 -
    loss: 0.4991 - acc: 0.7486
2140 262/620 [=====>.....] - ETA: 15:17 -
    loss: 0.4991 - acc: 0.7485
2141 263/620 [=====>.....] - ETA: 15:14 -
    loss: 0.4994 - acc: 0.7481
```

File - cnn_2D_model

```
2142 264/620 [=====>.....] - ETA: 15:11 -
    loss: 0.4991 - acc: 0.7482
2143 265/620 [=====>.....] - ETA: 15:09 -
    loss: 0.4987 - acc: 0.7485
2144 266/620 [=====>.....] - ETA: 15:06 -
    loss: 0.4990 - acc: 0.7484
2145 267/620 [=====>.....] - ETA: 15:04 -
    loss: 0.4992 - acc: 0.7481
2146 268/620 [=====>.....] - ETA: 15:01 -
    loss: 0.4991 - acc: 0.7480
2147 269/620 [=====>.....] - ETA: 14:58 -
    loss: 0.4990 - acc: 0.7480
2148 270/620 [=====>.....] - ETA: 14:55 -
    loss: 0.4997 - acc: 0.7475
2149 271/620 [=====>.....] - ETA: 14:53 -
    loss: 0.4998 - acc: 0.7474
2150 272/620 [=====>.....] - ETA: 14:50 -
    loss: 0.4999 - acc: 0.7474
2151 273/620 [=====>.....] - ETA: 14:48 -
    loss: 0.4996 - acc: 0.7480
2152 274/620 [=====>.....] - ETA: 14:46 -
    loss: 0.4996 - acc: 0.7478
2153 275/620 [=====>.....] - ETA: 14:43 -
    loss: 0.4996 - acc: 0.7479
2154 276/620 [=====>.....] - ETA: 14:40 -
    loss: 0.4996 - acc: 0.7483
2155 277/620 [=====>.....] - ETA: 14:38 -
    loss: 0.4996 - acc: 0.7483
2156 278/620 [=====>.....] - ETA: 14:35 -
    loss: 0.4995 - acc: 0.7482
2157 279/620 [=====>.....] - ETA: 14:33 -
    loss: 0.4991 - acc: 0.7487
2158 280/620 [=====>.....] - ETA: 14:28 -
    loss: 0.4994 - acc: 0.7484
2159 281/620 [=====>.....] - ETA: 14:26 -
    loss: 0.4994 - acc: 0.7483
2160 282/620 [=====>.....] - ETA: 14:23 -
    loss: 0.4987 - acc: 0.7489
2161 283/620 [=====>.....] - ETA: 14:20 -
    loss: 0.4985 - acc: 0.7491
2162 284/620 [=====>.....] - ETA: 14:18 -
    loss: 0.4990 - acc: 0.7488
2163 285/620 [=====>.....] - ETA: 14:15 -
    loss: 0.4988 - acc: 0.7490
2164 286/620 [=====>.....] - ETA: 14:14 -
```

```
2164 loss: 0.4994 - acc: 0.7486
2165 287/620 [=====>.....] - ETA: 14:11 -
    loss: 0.4994 - acc: 0.7488
2166 288/620 [=====>.....] - ETA: 14:09 -
    loss: 0.4994 - acc: 0.7488
2167 289/620 [=====>.....] - ETA: 14:06 -
    loss: 0.4995 - acc: 0.7487
2168 290/620 [=====>.....] - ETA: 14:03 -
    loss: 0.4997 - acc: 0.7484
2169 291/620 [=====>.....] - ETA: 14:00 -
    loss: 0.5001 - acc: 0.7481
2170 292/620 [=====>.....] - ETA: 13:58 -
    loss: 0.5003 - acc: 0.7478
2171 293/620 [=====>.....] - ETA: 13:55 -
    loss: 0.5004 - acc: 0.7478
2172 294/620 [=====>.....] - ETA: 13:52 -
    loss: 0.5001 - acc: 0.7481
2173 295/620 [=====>.....] - ETA: 13:50 -
    loss: 0.4998 - acc: 0.7483
2174 296/620 [=====>.....] - ETA: 13:48 -
    loss: 0.4996 - acc: 0.7486
2175 297/620 [=====>.....] - ETA: 13:45 -
    loss: 0.4999 - acc: 0.7484
2176 298/620 [=====>.....] - ETA: 13:44 -
    loss: 0.4998 - acc: 0.7486
2177 299/620 [=====>.....] - ETA: 13:44 -
    loss: 0.4997 - acc: 0.7489
2178 300/620 [=====>.....] - ETA: 13:40 -
    loss: 0.4998 - acc: 0.7486
2179 301/620 [=====>.....] - ETA: 13:39 -
    loss: 0.4999 - acc: 0.7484
2180 302/620 [=====>.....] - ETA: 13:37 -
    loss: 0.4995 - acc: 0.7490
2181 303/620 [=====>.....] - ETA: 13:36 -
    loss: 0.4996 - acc: 0.7491
2182 304/620 [=====>.....] - ETA: 13:34 -
    loss: 0.4997 - acc: 0.7488
2183 305/620 [=====>.....] - ETA: 13:32 -
    loss: 0.4997 - acc: 0.7489
2184 306/620 [=====>.....] - ETA: 13:29 -
    loss: 0.4999 - acc: 0.7486
2185 307/620 [=====>.....] - ETA: 13:27 -
    loss: 0.4995 - acc: 0.7489
2186 308/620 [=====>.....] - ETA: 13:25 -
    loss: 0.4994 - acc: 0.7491
```

```
2187 309/620 [=====>.....] - ETA: 13:22 -
    loss: 0.4994 - acc: 0.7491
2188 310/620 [=====>.....] - ETA: 13:19 -
    loss: 0.4995 - acc: 0.7489
2189 311/620 [=====>.....] - ETA: 13:17 -
    loss: 0.4999 - acc: 0.7486
2190 312/620 [=====>.....] - ETA: 13:14 -
    loss: 0.5000 - acc: 0.7486
2191 313/620 [=====>.....] - ETA: 13:13 -
    loss: 0.4998 - acc: 0.7486
2192 314/620 [=====>.....] - ETA: 13:12 -
    loss: 0.4996 - acc: 0.7488
2193 315/620 [=====>.....] - ETA: 13:10 -
    loss: 0.4995 - acc: 0.7489
2194 316/620 [=====>.....] - ETA: 13:08 -
    loss: 0.4993 - acc: 0.7490
2195 317/620 [=====>.....] - ETA: 13:05 -
    loss: 0.4997 - acc: 0.7488
2196 318/620 [=====>.....] - ETA: 13:03 -
    loss: 0.4997 - acc: 0.7488
2197 319/620 [=====>.....] - ETA: 13:01 -
    loss: 0.4999 - acc: 0.7486
2198 320/620 [=====>.....] - ETA: 12:57 -
    loss: 0.5001 - acc: 0.7486
2199 321/620 [=====>.....] - ETA: 12:55 -
    loss: 0.4999 - acc: 0.7483
2200 322/620 [=====>.....] - ETA: 12:52 -
    loss: 0.4999 - acc: 0.7482
2201 323/620 [=====>.....] - ETA: 12:50 -
    loss: 0.4997 - acc: 0.7484
2202 324/620 [=====>.....] - ETA: 12:47 -
    loss: 0.5001 - acc: 0.7481
2203 325/620 [=====>.....] - ETA: 12:45 -
    loss: 0.5000 - acc: 0.7482
2204 326/620 [=====>.....] - ETA: 12:42 -
    loss: 0.4998 - acc: 0.7484
2205 327/620 [=====>.....] - ETA: 12:40 -
    loss: 0.4996 - acc: 0.7485
2206 328/620 [=====>.....] - ETA: 12:38 -
    loss: 0.5000 - acc: 0.7480
2207 329/620 [=====>.....] - ETA: 12:36 -
    loss: 0.4999 - acc: 0.7479
2208 330/620 [=====>.....] - ETA: 12:33 -
    loss: 0.4995 - acc: 0.7482
2209 331/620 [=====>.....] - ETA: 12:31 -
```

```
2209 loss: 0.4995 - acc: 0.7481
2210 332/620 [=====>.....] - ETA: 12:29 -
    loss: 0.4994 - acc: 0.7483
2211 333/620 [=====>.....] - ETA: 12:26 -
    loss: 0.4991 - acc: 0.7487
2212 334/620 [=====>.....] - ETA: 12:24 -
    loss: 0.4990 - acc: 0.7488
2213 335/620 [=====>.....] - ETA: 12:21 -
    loss: 0.4991 - acc: 0.7487
2214 336/620 [=====>.....] - ETA: 12:18 -
    loss: 0.4992 - acc: 0.7486
2215 337/620 [=====>.....] - ETA: 12:16 -
    loss: 0.4994 - acc: 0.7486
2216 338/620 [=====>.....] - ETA: 12:14 -
    loss: 0.4995 - acc: 0.7484
2217 339/620 [=====>.....] - ETA: 12:12 -
    loss: 0.4995 - acc: 0.7484
2218 340/620 [=====>.....] - ETA: 12:08 -
    loss: 0.4993 - acc: 0.7486
2219 341/620 [=====>.....] - ETA: 12:06 -
    loss: 0.4993 - acc: 0.7485
2220 342/620 [=====>.....] - ETA: 12:03 -
    loss: 0.4995 - acc: 0.7485
2221 343/620 [=====>.....] - ETA: 12:01 -
    loss: 0.4993 - acc: 0.7487
2222 344/620 [=====>.....] - ETA: 11:58 -
    loss: 0.4994 - acc: 0.7484
2223 345/620 [=====>.....] - ETA: 11:56 -
    loss: 0.4991 - acc: 0.7486
2224 346/620 [=====>.....] - ETA: 11:53 -
    loss: 0.4992 - acc: 0.7486
2225 347/620 [=====>.....] - ETA: 11:51 -
    loss: 0.4994 - acc: 0.7486
2226 348/620 [=====>.....] - ETA: 11:48 -
    loss: 0.4994 - acc: 0.7486
2227 349/620 [=====>.....] - ETA: 11:45 -
    loss: 0.4995 - acc: 0.7484
2228 350/620 [=====>.....] - ETA: 11:43 -
    loss: 0.4993 - acc: 0.7486
2229 351/620 [=====>.....] - ETA: 11:40 -
    loss: 0.4992 - acc: 0.7488
2230 352/620 [=====>.....] - ETA: 11:38 -
    loss: 0.4992 - acc: 0.7488
2231 353/620 [=====>.....] - ETA: 11:35 -
    loss: 0.4995 - acc: 0.7486
```

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```
2232 354/620 [=====>.....] - ETA: 11:33 -
    loss: 0.4991 - acc: 0.7488
2233 355/620 [=====>.....] - ETA: 11:30 -
    loss: 0.4992 - acc: 0.7487
2234 356/620 [=====>.....] - ETA: 11:28 -
    loss: 0.4988 - acc: 0.7489
2235 357/620 [=====>.....] - ETA: 11:25 -
    loss: 0.4992 - acc: 0.7488
2236 358/620 [=====>.....] - ETA: 11:23 -
    loss: 0.4989 - acc: 0.7490
2237 359/620 [=====>.....] - ETA: 11:20 -
    loss: 0.4986 - acc: 0.7491
2238 360/620 [=====>.....] - ETA: 11:17 -
    loss: 0.4984 - acc: 0.7491
2239 361/620 [=====>.....] - ETA: 11:14 -
    loss: 0.4984 - acc: 0.7491
2240 362/620 [=====>.....] - ETA: 11:12 -
    loss: 0.4980 - acc: 0.7494
2241 363/620 [=====>.....] - ETA: 11:09 -
    loss: 0.4978 - acc: 0.7495
2242 364/620 [=====>.....] - ETA: 11:07 -
    loss: 0.4978 - acc: 0.7495
2243 365/620 [=====>.....] - ETA: 11:05 -
    loss: 0.4982 - acc: 0.7492
2244 366/620 [=====>.....] - ETA: 11:02 -
    loss: 0.4985 - acc: 0.7491
2245 367/620 [=====>.....] - ETA: 11:00 -
    loss: 0.4983 - acc: 0.7491
2246 368/620 [=====>.....] - ETA: 10:57 -
    loss: 0.4983 - acc: 0.7490
2247 369/620 [=====>.....] - ETA: 10:54 -
    loss: 0.4980 - acc: 0.7492
2248 370/620 [=====>.....] - ETA: 10:51 -
    loss: 0.4977 - acc: 0.7494
2249 371/620 [=====>.....] - ETA: 10:49 -
    loss: 0.4979 - acc: 0.7492
2250 372/620 [=====>.....] - ETA: 10:46 -
    loss: 0.4982 - acc: 0.7490
2251 373/620 [=====>.....] - ETA: 10:44 -
    loss: 0.4981 - acc: 0.7492
2252 374/620 [=====>.....] - ETA: 10:41 -
    loss: 0.4979 - acc: 0.7494
2253 375/620 [=====>.....] - ETA: 10:38 -
    loss: 0.4978 - acc: 0.7495
2254 376/620 [=====>.....] - ETA: 10:36 -
```

```
2254 loss: 0.4981 - acc: 0.7493
2255 377/620 [======>.....] - ETA: 10:33 -
    loss: 0.4978 - acc: 0.7496
2256 378/620 [======>.....] - ETA: 10:31 -
    loss: 0.4980 - acc: 0.7494
2257 379/620 [======>.....] - ETA: 10:28 -
    loss: 0.4979 - acc: 0.7495
2258 380/620 [======>.....] - ETA: 10:24 -
    loss: 0.4983 - acc: 0.7495
2259 381/620 [======>.....] - ETA: 10:22 -
    loss: 0.4980 - acc: 0.7498
2260 382/620 [======>.....] - ETA: 10:19 -
    loss: 0.4981 - acc: 0.7496
2261 383/620 [======>.....] - ETA: 10:16 -
    loss: 0.4985 - acc: 0.7493
2262 384/620 [======>.....] - ETA: 10:14 -
    loss: 0.4984 - acc: 0.7492
2263 385/620 [======>.....] - ETA: 10:12 -
    loss: 0.4981 - acc: 0.7493
2264 386/620 [======>.....] - ETA: 10:09 -
    loss: 0.4983 - acc: 0.7491
2265 387/620 [======>.....] - ETA: 10:06 -
    loss: 0.4982 - acc: 0.7491
2266 388/620 [======>.....] - ETA: 10:04 -
    loss: 0.4984 - acc: 0.7490
2267 389/620 [======>.....] - ETA: 10:01 -
    loss: 0.4987 - acc: 0.7490
2268 390/620 [======>.....] - ETA: 9:59 -
    loss: 0.4988 - acc: 0.7490
2269 391/620 [======>.....] - ETA: 9:56 -
    loss: 0.4992 - acc: 0.7488
2270 392/620 [======>.....] - ETA: 9:54 -
    loss: 0.4992 - acc: 0.7488
2271 393/620 [======>.....] - ETA: 9:51 -
    loss: 0.4993 - acc: 0.7486
2272 394/620 [======>.....] - ETA: 9:48 -
    loss: 0.4989 - acc: 0.7488
2273 395/620 [======>.....] - ETA: 9:46 -
    loss: 0.4988 - acc: 0.7489
2274 396/620 [======>.....] - ETA: 9:43 -
    loss: 0.4988 - acc: 0.7489
2275 397/620 [======>.....] - ETA: 9:40 -
    loss: 0.4987 - acc: 0.7490
2276 398/620 [======>.....] - ETA: 9:37 -
    loss: 0.4985 - acc: 0.7493
```

```
2277 399/620 [=====>.....] - ETA: 9:35 -
    loss: 0.4986 - acc: 0.7492
2278 400/620 [=====>.....] - ETA: 9:31 -
    loss: 0.4981 - acc: 0.7496
2279 401/620 [=====>.....] - ETA: 9:29 -
    loss: 0.4981 - acc: 0.7496
2280 402/620 [=====>.....] - ETA: 9:26 -
    loss: 0.4981 - acc: 0.7495
2281 403/620 [=====>.....] - ETA: 9:23 -
    loss: 0.4980 - acc: 0.7498
2282 404/620 [=====>.....] - ETA: 9:21 -
    loss: 0.4978 - acc: 0.7500
2283 405/620 [=====>.....] - ETA: 9:18 -
    loss: 0.4981 - acc: 0.7498
2284 406/620 [=====>.....] - ETA: 9:16 -
    loss: 0.4982 - acc: 0.7497
2285 407/620 [=====>.....] - ETA: 9:13 -
    loss: 0.4983 - acc: 0.7496
2286 408/620 [=====>.....] - ETA: 9:11 -
    loss: 0.4982 - acc: 0.7498
2287 409/620 [=====>.....] - ETA: 9:08 -
    loss: 0.4984 - acc: 0.7497
2288 410/620 [=====>.....] - ETA: 9:06 -
    loss: 0.4984 - acc: 0.7496
2289 411/620 [=====>.....] - ETA: 9:03 -
    loss: 0.4982 - acc: 0.7496
2290 412/620 [=====>.....] - ETA: 9:00 -
    loss: 0.4982 - acc: 0.7496
2291 413/620 [=====>.....] - ETA: 8:58 -
    loss: 0.4980 - acc: 0.7499
2292 414/620 [=====>.....] - ETA: 8:55 -
    loss: 0.4980 - acc: 0.7501
2293 415/620 [=====>.....] - ETA: 8:52 -
    loss: 0.4980 - acc: 0.7501
2294 416/620 [=====>.....] - ETA: 8:50 -
    loss: 0.4979 - acc: 0.7504
2295 417/620 [=====>.....] - ETA: 8:47 -
    loss: 0.4980 - acc: 0.7502
2296 418/620 [=====>.....] - ETA: 8:45 -
    loss: 0.4978 - acc: 0.7503
2297 419/620 [=====>.....] - ETA: 8:43 -
    loss: 0.4975 - acc: 0.7505
2298 420/620 [=====>.....] - ETA: 8:40 -
    loss: 0.4977 - acc: 0.7505
2299 421/620 [=====>.....] - ETA: 8:37 -
```

```
2299 loss: 0.4977 - acc: 0.7506
2300 422/620 [=====>.....] - ETA: 8:35 -
    loss: 0.4976 - acc: 0.7505
2301 423/620 [=====>.....] - ETA: 8:32 -
    loss: 0.4975 - acc: 0.7507
2302 424/620 [=====>.....] - ETA: 8:30 -
    loss: 0.4973 - acc: 0.7507
2303 425/620 [=====>.....] - ETA: 8:28 -
    loss: 0.4977 - acc: 0.7503
2304 426/620 [=====>.....] - ETA: 8:25 -
    loss: 0.4975 - acc: 0.7504
2305 427/620 [=====>.....] - ETA: 8:22 -
    loss: 0.4974 - acc: 0.7505
2306 428/620 [=====>.....] - ETA: 8:20 -
    loss: 0.4975 - acc: 0.7506
2307 429/620 [=====>.....] - ETA: 8:17 -
    loss: 0.4974 - acc: 0.7509
2308 430/620 [=====>.....] - ETA: 8:15 -
    loss: 0.4972 - acc: 0.7511
2309 431/620 [=====>.....] - ETA: 8:12 -
    loss: 0.4968 - acc: 0.7514
2310 432/620 [=====>.....] - ETA: 8:10 -
    loss: 0.4965 - acc: 0.7514
2311 433/620 [=====>.....] - ETA: 8:08 -
    loss: 0.4969 - acc: 0.7511
2312 434/620 [=====>.....] - ETA: 8:05 -
    loss: 0.4969 - acc: 0.7510
2313 435/620 [=====>.....] - ETA: 8:03 -
    loss: 0.4967 - acc: 0.7510
2314 436/620 [=====>.....] - ETA: 8:00 -
    loss: 0.4969 - acc: 0.7509
2315 437/620 [=====>.....] - ETA: 7:58 -
    loss: 0.4971 - acc: 0.7506
2316 438/620 [=====>.....] - ETA: 7:55 -
    loss: 0.4972 - acc: 0.7506
2317 439/620 [=====>.....] - ETA: 7:52 -
    loss: 0.4972 - acc: 0.7505
2318 440/620 [=====>.....] - ETA: 7:49 -
    loss: 0.4974 - acc: 0.7505
2319 441/620 [=====>.....] - ETA: 7:47 -
    loss: 0.4973 - acc: 0.7506
2320 442/620 [=====>.....] - ETA: 7:44 -
    loss: 0.4973 - acc: 0.7506
2321 443/620 [=====>.....] - ETA: 7:41 -
    loss: 0.4970 - acc: 0.7509
```

File - cnn_2D_model

```
2322 444/620 [=====>.....] - ETA: 7:39 -
    loss: 0.4972 - acc: 0.7508
2323 445/620 [=====>.....] - ETA: 7:36 -
    loss: 0.4971 - acc: 0.7509
2324 446/620 [=====>.....] - ETA: 7:34 -
    loss: 0.4972 - acc: 0.7507
2325 447/620 [=====>.....] - ETA: 7:31 -
    loss: 0.4971 - acc: 0.7508
2326 448/620 [=====>.....] - ETA: 7:29 -
    loss: 0.4971 - acc: 0.7507
2327 449/620 [=====>.....] - ETA: 7:26 -
    loss: 0.4974 - acc: 0.7504
2328 450/620 [=====>.....] - ETA: 7:23 -
    loss: 0.4974 - acc: 0.7503
2329 451/620 [=====>.....] - ETA: 7:21 -
    loss: 0.4974 - acc: 0.7503
2330 452/620 [=====>.....] - ETA: 7:18 -
    loss: 0.4972 - acc: 0.7505
2331 453/620 [=====>.....] - ETA: 7:16 -
    loss: 0.4973 - acc: 0.7504
2332 454/620 [=====>.....] - ETA: 7:13 -
    loss: 0.4973 - acc: 0.7503
2333 455/620 [=====>.....] - ETA: 7:10 -
    loss: 0.4974 - acc: 0.7503
2334 456/620 [=====>.....] - ETA: 7:08 -
    loss: 0.4974 - acc: 0.7503
2335 457/620 [=====>.....] - ETA: 7:05 -
    loss: 0.4974 - acc: 0.7502
2336 458/620 [=====>.....] - ETA: 7:03 -
    loss: 0.4971 - acc: 0.7505
2337 459/620 [=====>.....] - ETA: 7:00 -
    loss: 0.4968 - acc: 0.7508
2338 460/620 [=====>.....] - ETA: 6:57 -
    loss: 0.4971 - acc: 0.7508
2339 461/620 [=====>.....] - ETA: 6:54 -
    loss: 0.4973 - acc: 0.7508
2340 462/620 [=====>.....] - ETA: 6:52 -
    loss: 0.4972 - acc: 0.7508
2341 463/620 [=====>.....] - ETA: 6:49 -
    loss: 0.4971 - acc: 0.7506
2342 464/620 [=====>.....] - ETA: 6:47 -
    loss: 0.4970 - acc: 0.7508
2343 465/620 [=====>.....] - ETA: 6:44 -
    loss: 0.4972 - acc: 0.7506
2344 466/620 [=====>.....] - ETA: 6:41 -
```

```
2344 loss: 0.4969 - acc: 0.7507
2345 467/620 [=====>.....] - ETA: 6:39 -
    loss: 0.4970 - acc: 0.7506
2346 468/620 [=====>.....] - ETA: 6:36 -
    loss: 0.4971 - acc: 0.7505
2347 469/620 [=====>.....] - ETA: 6:34 -
    loss: 0.4971 - acc: 0.7505
2348 470/620 [=====>.....] - ETA: 6:31 -
    loss: 0.4970 - acc: 0.7504
2349 471/620 [=====>.....] - ETA: 6:28 -
    loss: 0.4968 - acc: 0.7506
2350 472/620 [=====>.....] - ETA: 6:26 -
    loss: 0.4968 - acc: 0.7507
2351 473/620 [=====>.....] - ETA: 6:24 -
    loss: 0.4970 - acc: 0.7507
2352 474/620 [=====>.....] - ETA: 6:21 -
    loss: 0.4968 - acc: 0.7507
2353 475/620 [=====>.....] - ETA: 6:19 -
    loss: 0.4967 - acc: 0.7506
2354 476/620 [=====>.....] - ETA: 6:16 -
    loss: 0.4965 - acc: 0.7509
2355 477/620 [=====>.....] - ETA: 6:14 -
    loss: 0.4964 - acc: 0.7507
2356 478/620 [=====>.....] - ETA: 6:11 -
    loss: 0.4965 - acc: 0.7505
2357 479/620 [=====>.....] - ETA: 6:08 -
    loss: 0.4963 - acc: 0.7506
2358 480/620 [=====>.....] - ETA: 6:05 -
    loss: 0.4961 - acc: 0.7506
2359 481/620 [=====>.....] - ETA: 6:03 -
    loss: 0.4962 - acc: 0.7506
2360 482/620 [=====>.....] - ETA: 6:00 -
    loss: 0.4962 - acc: 0.7507
2361 483/620 [=====>.....] - ETA: 5:58 -
    loss: 0.4959 - acc: 0.7509
2362 484/620 [=====>.....] - ETA: 5:55 -
    loss: 0.4959 - acc: 0.7508
2363 485/620 [=====>.....] - ETA: 5:52 -
    loss: 0.4955 - acc: 0.7512
2364 486/620 [=====>.....] - ETA: 5:50 -
    loss: 0.4955 - acc: 0.7511
2365 487/620 [=====>.....] - ETA: 5:47 -
    loss: 0.4956 - acc: 0.7510
2366 488/620 [=====>.....] - ETA: 5:45 -
    loss: 0.4954 - acc: 0.7511
```

```
2367 489/620 [=====>.....] - ETA: 5:42 -
    loss: 0.4956 - acc: 0.7508
2368 490/620 [=====>.....] - ETA: 5:39 -
    loss: 0.4956 - acc: 0.7507
2369 491/620 [=====>.....] - ETA: 5:37 -
    loss: 0.4955 - acc: 0.7509
2370 492/620 [=====>.....] - ETA: 5:34 -
    loss: 0.4956 - acc: 0.7507
2371 493/620 [=====>.....] - ETA: 5:32 -
    loss: 0.4956 - acc: 0.7505
2372 494/620 [=====>.....] - ETA: 5:29 -
    loss: 0.4953 - acc: 0.7505
2373 495/620 [=====>.....] - ETA: 5:27 -
    loss: 0.4954 - acc: 0.7507
2374 496/620 [=====>.....] - ETA: 5:24 -
    loss: 0.4954 - acc: 0.7507
2375 497/620 [=====>.....] - ETA: 5:22 -
    loss: 0.4953 - acc: 0.7510
2376 498/620 [=====>.....] - ETA: 5:19 -
    loss: 0.4953 - acc: 0.7512
2377 499/620 [=====>.....] - ETA: 5:17 -
    loss: 0.4953 - acc: 0.7511
2378 500/620 [=====>.....] - ETA: 5:14 -
    loss: 0.4955 - acc: 0.7513
2379 501/620 [=====>.....] - ETA: 5:11 -
    loss: 0.4953 - acc: 0.7514
2380 502/620 [=====>.....] - ETA: 5:09 -
    loss: 0.4954 - acc: 0.7513
2381 503/620 [=====>.....] - ETA: 5:06 -
    loss: 0.4952 - acc: 0.7514
2382 504/620 [=====>.....] - ETA: 5:03 -
    loss: 0.4952 - acc: 0.7514
2383 505/620 [=====>.....] - ETA: 5:01 -
    loss: 0.4952 - acc: 0.7513
2384 506/620 [=====>.....] - ETA: 4:58 -
    loss: 0.4951 - acc: 0.7514
2385 507/620 [=====>.....] - ETA: 4:56 -
    loss: 0.4949 - acc: 0.7515
2386 508/620 [=====>.....] - ETA: 4:53 -
    loss: 0.4952 - acc: 0.7514
2387 509/620 [=====>.....] - ETA: 4:50 -
    loss: 0.4953 - acc: 0.7511
2388 510/620 [=====>.....] - ETA: 4:48 -
    loss: 0.4953 - acc: 0.7511
2389 511/620 [=====>.....] - ETA: 4:45 -
```

```
2389 loss: 0.4951 - acc: 0.7513
2390 512/620 [=====>.....] - ETA: 4:43 -
    loss: 0.4951 - acc: 0.7513
2391 513/620 [=====>.....] - ETA: 4:40 -
    loss: 0.4949 - acc: 0.7515
2392 514/620 [=====>.....] - ETA: 4:38 -
    loss: 0.4948 - acc: 0.7515
2393 515/620 [=====>.....] - ETA: 4:35 -
    loss: 0.4947 - acc: 0.7514
2394 516/620 [=====>.....] - ETA: 4:33 -
    loss: 0.4946 - acc: 0.7515
2395 517/620 [=====>.....] - ETA: 4:30 -
    loss: 0.4947 - acc: 0.7514
2396 518/620 [=====>.....] - ETA: 4:27 -
    loss: 0.4947 - acc: 0.7515
2397 519/620 [=====>.....] - ETA: 4:25 -
    loss: 0.4947 - acc: 0.7514
2398 520/620 [=====>.....] - ETA: 4:22 -
    loss: 0.4955 - acc: 0.7507
2399 521/620 [=====>.....] - ETA: 4:19 -
    loss: 0.4954 - acc: 0.7510
2400 522/620 [=====>.....] - ETA: 4:17 -
    loss: 0.4953 - acc: 0.7511
2401 523/620 [=====>.....] - ETA: 4:14 -
    loss: 0.4951 - acc: 0.7513
2402 524/620 [=====>.....] - ETA: 4:12 -
    loss: 0.4950 - acc: 0.7513
2403 525/620 [=====>.....] - ETA: 4:09 -
    loss: 0.4949 - acc: 0.7514
2404 526/620 [=====>.....] - ETA: 4:07 -
    loss: 0.4950 - acc: 0.7513
2405 527/620 [=====>.....] - ETA: 4:04 -
    loss: 0.4952 - acc: 0.7511
2406 528/620 [=====>.....] - ETA: 4:02 -
    loss: 0.4954 - acc: 0.7510
2407 529/620 [=====>.....] - ETA: 3:59 -
    loss: 0.4955 - acc: 0.7510
2408 530/620 [=====>.....] - ETA: 3:57 -
    loss: 0.4958 - acc: 0.7509
2409 531/620 [=====>.....] - ETA: 3:54 -
    loss: 0.4956 - acc: 0.7512
2410 532/620 [=====>.....] - ETA: 3:51 -
    loss: 0.4956 - acc: 0.7511
2411 533/620 [=====>.....] - ETA: 3:49 -
    loss: 0.4955 - acc: 0.7511
```

```
2412 534/620 [=====>....] - ETA: 3:46 -
    loss: 0.4954 - acc: 0.7511
2413 535/620 [=====>....] - ETA: 3:44 -
    loss: 0.4955 - acc: 0.7511
2414 536/620 [=====>....] - ETA: 3:42 -
    loss: 0.4955 - acc: 0.7511
2415 537/620 [=====>....] - ETA: 3:39 -
    loss: 0.4955 - acc: 0.7512
2416 538/620 [=====>....] - ETA: 3:36 -
    loss: 0.4954 - acc: 0.7511
2417 539/620 [=====>....] - ETA: 3:34 -
    loss: 0.4955 - acc: 0.7512
2418 540/620 [=====>....] - ETA: 3:31 -
    loss: 0.4953 - acc: 0.7512
2419 541/620 [=====>....] - ETA: 3:28 -
    loss: 0.4955 - acc: 0.7509
2420 542/620 [=====>....] - ETA: 3:26 -
    loss: 0.4959 - acc: 0.7505
2421 543/620 [=====>....] - ETA: 3:24 -
    loss: 0.4959 - acc: 0.7505
2422 544/620 [=====>....] - ETA: 3:21 -
    loss: 0.4957 - acc: 0.7508
2423 545/620 [=====>....] - ETA: 3:18 -
    loss: 0.4955 - acc: 0.7510
2424 546/620 [=====>....] - ETA: 3:16 -
    loss: 0.4955 - acc: 0.7510
2425 547/620 [=====>....] - ETA: 3:13 -
    loss: 0.4954 - acc: 0.7510
2426 548/620 [=====>....] - ETA: 3:11 -
    loss: 0.4953 - acc: 0.7510
2427 549/620 [=====>....] - ETA: 3:08 -
    loss: 0.4953 - acc: 0.7509
2428 550/620 [=====>....] - ETA: 3:05 -
    loss: 0.4953 - acc: 0.7508
2429 551/620 [=====>....] - ETA: 3:03 -
    loss: 0.4952 - acc: 0.7508
2430 552/620 [=====>....] - ETA: 3:00 -
    loss: 0.4951 - acc: 0.7511
2431 553/620 [=====>....] - ETA: 2:57 -
    loss: 0.4952 - acc: 0.7510
2432 554/620 [=====>....] - ETA: 2:55 -
    loss: 0.4952 - acc: 0.7510
2433 555/620 [=====>....] - ETA: 2:52 -
    loss: 0.4955 - acc: 0.7508
2434 556/620 [=====>....] - ETA: 2:50 -
```

```
2434 loss: 0.4954 - acc: 0.7510
2435 557/620 [=====>...] - ETA: 2:47 -
    loss: 0.4954 - acc: 0.7510
2436 558/620 [=====>...] - ETA: 2:44 -
    loss: 0.4952 - acc: 0.7512
2437 559/620 [=====>...] - ETA: 2:42 -
    loss: 0.4950 - acc: 0.7514
2438 560/620 [=====>...] - ETA: 2:39 -
    loss: 0.4953 - acc: 0.7512
2439 561/620 [=====>...] - ETA: 2:36 -
    loss: 0.4952 - acc: 0.7513
2440 562/620 [=====>...] - ETA: 2:34 -
    loss: 0.4952 - acc: 0.7513
2441 563/620 [=====>...] - ETA: 2:31 -
    loss: 0.4952 - acc: 0.7511
2442 564/620 [=====>...] - ETA: 2:29 -
    loss: 0.4951 - acc: 0.7512
2443 565/620 [=====>...] - ETA: 2:26 -
    loss: 0.4950 - acc: 0.7514
2444 566/620 [=====>...] - ETA: 2:23 -
    loss: 0.4948 - acc: 0.7515
2445 567/620 [=====>...] - ETA: 2:21 -
    loss: 0.4949 - acc: 0.7514
2446 568/620 [=====>...] - ETA: 2:18 -
    loss: 0.4951 - acc: 0.7512
2447 569/620 [=====>...] - ETA: 2:15 -
    loss: 0.4949 - acc: 0.7513
2448 570/620 [=====>...] - ETA: 2:13 -
    loss: 0.4951 - acc: 0.7511
2449 571/620 [=====>...] - ETA: 2:10 -
    loss: 0.4953 - acc: 0.7510
2450 572/620 [=====>...] - ETA: 2:07 -
    loss: 0.4954 - acc: 0.7509
2451 573/620 [=====>...] - ETA: 2:04 -
    loss: 0.4954 - acc: 0.7509
2452 574/620 [=====>...] - ETA: 2:02 -
    loss: 0.4952 - acc: 0.7511
2453 575/620 [=====>...] - ETA: 1:59 -
    loss: 0.4951 - acc: 0.7512
2454 576/620 [=====>...] - ETA: 1:56 -
    loss: 0.4949 - acc: 0.7514
2455 577/620 [=====>...] - ETA: 1:54 -
    loss: 0.4950 - acc: 0.7514
2456 578/620 [=====>...] - ETA: 1:51 -
    loss: 0.4949 - acc: 0.7516
```

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```
2457 579/620 [=====>..] - ETA: 1:48 -
    loss: 0.4947 - acc: 0.7516
2458 580/620 [=====>..] - ETA: 1:46 -
    loss: 0.4951 - acc: 0.7513
2459 581/620 [=====>..] - ETA: 1:43 -
    loss: 0.4949 - acc: 0.7515
2460 582/620 [=====>..] - ETA: 1:40 -
    loss: 0.4948 - acc: 0.7516
2461 583/620 [=====>..] - ETA: 1:38 -
    loss: 0.4948 - acc: 0.7517
2462 584/620 [=====>..] - ETA: 1:35 -
    loss: 0.4947 - acc: 0.7518
2463 585/620 [=====>..] - ETA: 1:32 -
    loss: 0.4948 - acc: 0.7518
2464 586/620 [=====>..] - ETA: 1:30 -
    loss: 0.4947 - acc: 0.7518
2465 587/620 [=====>..] - ETA: 1:27 -
    loss: 0.4948 - acc: 0.7517
2466 588/620 [=====>..] - ETA: 1:25 -
    loss: 0.4948 - acc: 0.7517
2467 589/620 [=====>..] - ETA: 1:22 -
    loss: 0.4949 - acc: 0.7516
2468 590/620 [=====>..] - ETA: 1:19 -
    loss: 0.4948 - acc: 0.7517
2469 591/620 [=====>..] - ETA: 1:17 -
    loss: 0.4949 - acc: 0.7517
2470 592/620 [=====>..] - ETA: 1:14 -
    loss: 0.4950 - acc: 0.7515
2471 593/620 [=====>..] - ETA: 1:12 -
    loss: 0.4946 - acc: 0.7517
2472 594/620 [=====>..] - ETA: 1:09 -
    loss: 0.4948 - acc: 0.7514
2473 595/620 [=====>..] - ETA: 1:06 -
    loss: 0.4949 - acc: 0.7514
2474 596/620 [=====>..] - ETA: 1:04 -
    loss: 0.4951 - acc: 0.7512
2475 597/620 [=====>..] - ETA: 1:01 -
    loss: 0.4949 - acc: 0.7514
2476 598/620 [=====>..] - ETA: 58s -
    loss: 0.4949 - acc: 0.7514
2477 599/620 [=====>..] - ETA: 56s -
    loss: 0.4950 - acc: 0.7513
2478 600/620 [=====>..] - ETA: 53s -
    loss: 0.4950 - acc: 0.7513
2479 601/620 [=====>..] - ETA: 50s -
```

File - cnn_2D_model

```
2479 loss: 0.4948 - acc: 0.7514
2480 602/620 [=====>.] - ETA: 48s -
    loss: 0.4949 - acc: 0.7514
2481 603/620 [=====>.] - ETA: 45s -
    loss: 0.4949 - acc: 0.7513
2482 604/620 [=====>.] - ETA: 42s -
    loss: 0.4950 - acc: 0.7512
2483 605/620 [=====>.] - ETA: 40s -
    loss: 0.4950 - acc: 0.7512
2484 606/620 [=====>.] - ETA: 37s -
    loss: 0.4951 - acc: 0.7512
2485 607/620 [=====>.] - ETA: 34s -
    loss: 0.4951 - acc: 0.7512
2486 608/620 [=====>.] - ETA: 32s -
    loss: 0.4950 - acc: 0.7513
2487 609/620 [=====>.] - ETA: 29s -
    loss: 0.4949 - acc: 0.7513
2488 610/620 [=====>.] - ETA: 26s -
    loss: 0.4949 - acc: 0.7511
2489 611/620 [=====>.] - ETA: 24s -
    loss: 0.4949 - acc: 0.7512
2490 612/620 [=====>.] - ETA: 21s -
    loss: 0.4948 - acc: 0.7513
2491 613/620 [=====>.] - ETA: 18s -
    loss: 0.4947 - acc: 0.7513
2492 614/620 [=====>.] - ETA: 16s -
    loss: 0.4946 - acc: 0.7514
2493 615/620 [=====>.] - ETA: 13s -
    loss: 0.4945 - acc: 0.7514
2494 616/620 [=====>.] - ETA: 10s -
    loss: 0.4944 - acc: 0.7516
2495 617/620 [=====>.] - ETA: 8s -
    loss: 0.4944 - acc: 0.7515
2496 618/620 [=====>.] - ETA: 5s -
    loss: 0.4943 - acc: 0.7516
2497 619/620 [=====>.] - ETA: 2s -
    loss: 0.4941 - acc: 0.7518
2498 620/620 [=====] - 1709s 3s/step
    - loss: 0.4944 - acc: 0.7516 - val_loss: 0.5076 -
    val_acc: 0.8516
2499 Epoch 5/10
2500
2501 1/620 [.....] - ETA: 31:35 -
    loss: 0.3344 - acc: 0.8438
2502 2/620 [.....] - ETA: 31:03 -
```

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```
2502 loss: 0.3793 - acc: 0.8438
2503 3/620 [.....] - ETA: 30:44 -
    loss: 0.4919 - acc: 0.7708
2504 4/620 [.....] - ETA: 29:50 -
    loss: 0.4491 - acc: 0.8125
2505 5/620 [.....] - ETA: 29:58 -
    loss: 0.4518 - acc: 0.8000
2506 6/620 [.....] - ETA: 30:32 -
    loss: 0.4446 - acc: 0.7969
2507 7/620 [.....] - ETA: 30:34 -
    loss: 0.4512 - acc: 0.7902
2508 8/620 [.....] - ETA: 30:07 -
    loss: 0.4719 - acc: 0.7695
2509 9/620 [.....] - ETA: 29:47 -
    loss: 0.4757 - acc: 0.7604
2510 10/620 [.....] - ETA: 29:44 -
    loss: 0.4665 - acc: 0.7625
2511 11/620 [.....] - ETA: 29:25 -
    loss: 0.4661 - acc: 0.7585
2512 12/620 [.....] - ETA: 29:11 -
    loss: 0.4726 - acc: 0.7526
2513 13/620 [.....] - ETA: 29:16 -
    loss: 0.4743 - acc: 0.7524
2514 14/620 [.....] - ETA: 29:07 -
    loss: 0.4718 - acc: 0.7522
2515 15/620 [.....] - ETA: 29:03 -
    loss: 0.4676 - acc: 0.7562
2516 16/620 [.....] - ETA: 28:54 -
    loss: 0.4665 - acc: 0.7598
2517 17/620 [.....] - ETA: 28:52 -
    loss: 0.4696 - acc: 0.7574
2518 18/620 [.....] - ETA: 28:47 -
    loss: 0.4738 - acc: 0.7535
2519 19/620 [.....] - ETA: 28:35 -
    loss: 0.4832 - acc: 0.7434
2520 20/620 [.....] - ETA: 27:48 -
    loss: 0.5111 - acc: 0.7229
2521 21/620 [>.....] - ETA: 27:48 -
    loss: 0.5106 - acc: 0.7227
2522 22/620 [>.....] - ETA: 27:44 -
    loss: 0.5139 - acc: 0.7197
2523 23/620 [>.....] - ETA: 27:40 -
    loss: 0.5106 - acc: 0.7278
2524 24/620 [>.....] - ETA: 27:35 -
    loss: 0.5095 - acc: 0.7287
```

File - cnn_2D_model

```
2525 25/620 [>.....] - ETA: 27:39 -
    loss: 0.5073 - acc: 0.7321
2526 26/620 [>.....] - ETA: 27:49 -
    loss: 0.5054 - acc: 0.7364
2527 27/620 [>.....] - ETA: 27:52 -
    loss: 0.5040 - acc: 0.7380
2528 28/620 [>.....] - ETA: 27:53 -
    loss: 0.5011 - acc: 0.7429
2529 29/620 [>.....] - ETA: 27:48 -
    loss: 0.4972 - acc: 0.7432
2530 30/620 [>.....] - ETA: 27:43 -
    loss: 0.4983 - acc: 0.7424
2531 31/620 [>.....] - ETA: 27:44 -
    loss: 0.4989 - acc: 0.7416
2532 32/620 [>.....] - ETA: 27:41 -
    loss: 0.4968 - acc: 0.7419
2533 33/620 [>.....] - ETA: 27:36 -
    loss: 0.4941 - acc: 0.7440
2534 34/620 [>.....] - ETA: 27:35 -
    loss: 0.4927 - acc: 0.7442
2535 35/620 [>.....] - ETA: 27:30 -
    loss: 0.4951 - acc: 0.7443
2536 36/620 [>.....] - ETA: 27:27 -
    loss: 0.4925 - acc: 0.7462
2537 37/620 [>.....] - ETA: 27:29 -
    loss: 0.4928 - acc: 0.7455
2538 38/620 [>.....] - ETA: 27:27 -
    loss: 0.4954 - acc: 0.7448
2539 39/620 [>.....] - ETA: 27:23 -
    loss: 0.4989 - acc: 0.7425
2540 40/620 [>.....] - ETA: 27:00 -
    loss: 0.4956 - acc: 0.7448
2541 41/620 [>.....] - ETA: 26:58 -
    loss: 0.4916 - acc: 0.7495
2542 42/620 [=>.....] - ETA: 26:54 -
    loss: 0.4915 - acc: 0.7488
2543 43/620 [=>.....] - ETA: 26:51 -
    loss: 0.4940 - acc: 0.7481
2544 44/620 [=>.....] - ETA: 26:47 -
    loss: 0.4907 - acc: 0.7517
2545 45/620 [=>.....] - ETA: 26:46 -
    loss: 0.4922 - acc: 0.7495
2546 46/620 [=>.....] - ETA: 26:43 -
    loss: 0.4935 - acc: 0.7462
2547 47/620 [=>.....] - ETA: 26:39 -
```

File - cnn_2D_model

```
2547 loss: 0.4936 - acc: 0.7456
2548 48/620 [=>.....] - ETA: 26:33 -
    loss: 0.4928 - acc: 0.7470
2549 49/620 [=>.....] - ETA: 26:34 -
    loss: 0.4933 - acc: 0.7464
2550 50/620 [=>.....] - ETA: 26:34 -
    loss: 0.4945 - acc: 0.7452
2551 51/620 [=>.....] - ETA: 26:33 -
    loss: 0.4931 - acc: 0.7459
2552 52/620 [=>.....] - ETA: 26:30 -
    loss: 0.4941 - acc: 0.7448
2553 53/620 [=>.....] - ETA: 26:29 -
    loss: 0.4935 - acc: 0.7461
2554 54/620 [=>.....] - ETA: 26:26 -
    loss: 0.4918 - acc: 0.7473
2555 55/620 [=>.....] - ETA: 26:24 -
    loss: 0.4906 - acc: 0.7473
2556 56/620 [=>.....] - ETA: 26:21 -
    loss: 0.4895 - acc: 0.7485
2557 57/620 [=>.....] - ETA: 26:19 -
    loss: 0.4892 - acc: 0.7491
2558 58/620 [=>.....] - ETA: 26:17 -
    loss: 0.4883 - acc: 0.7496
2559 59/620 [=>.....] - ETA: 26:14 -
    loss: 0.4878 - acc: 0.7491
2560 60/620 [=>.....] - ETA: 25:56 -
    loss: 0.4904 - acc: 0.7464
2561 61/620 [=>.....] - ETA: 25:51 -
    loss: 0.4922 - acc: 0.7449
2562 62/620 [==>.....] - ETA: 25:46 -
    loss: 0.4942 - acc: 0.7434
2563 63/620 [==>.....] - ETA: 25:41 -
    loss: 0.4942 - acc: 0.7450
2564 64/620 [==>.....] - ETA: 25:36 -
    loss: 0.4938 - acc: 0.7456
2565 65/620 [==>.....] - ETA: 25:32 -
    loss: 0.4920 - acc: 0.7462
2566 66/620 [==>.....] - ETA: 25:28 -
    loss: 0.4934 - acc: 0.7467
2567 67/620 [==>.....] - ETA: 25:23 -
    loss: 0.4930 - acc: 0.7472
2568 68/620 [==>.....] - ETA: 25:18 -
    loss: 0.4933 - acc: 0.7477
2569 69/620 [==>.....] - ETA: 25:15 -
    loss: 0.4926 - acc: 0.7486
```

File - cnn_2D_model

```
2570 70/620 [==>.....] - ETA: 25:11 -
    loss: 0.4931 - acc: 0.7487
2571 71/620 [==>.....] - ETA: 25:06 -
    loss: 0.4920 - acc: 0.7491
2572 72/620 [==>.....] - ETA: 25:01 -
    loss: 0.4917 - acc: 0.7491
2573 73/620 [==>.....] - ETA: 24:57 -
    loss: 0.4885 - acc: 0.7521
2574 74/620 [==>.....] - ETA: 24:51 -
    loss: 0.4882 - acc: 0.7525
2575 75/620 [==>.....] - ETA: 24:46 -
    loss: 0.4888 - acc: 0.7512
2576 76/620 [==>.....] - ETA: 24:41 -
    loss: 0.4879 - acc: 0.7516
2577 77/620 [==>.....] - ETA: 24:37 -
    loss: 0.4889 - acc: 0.7516
2578 78/620 [==>.....] - ETA: 24:35 -
    loss: 0.4899 - acc: 0.7508
2579 79/620 [==>.....] - ETA: 24:40 -
    loss: 0.4885 - acc: 0.7516
2580 80/620 [==>.....] - ETA: 24:30 -
    loss: 0.4876 - acc: 0.7526
2581 81/620 [==>.....] - ETA: 24:27 -
    loss: 0.4878 - acc: 0.7526
2582 82/620 [==>.....] - ETA: 24:24 -
    loss: 0.4880 - acc: 0.7525
2583 83/620 [==>.....] - ETA: 24:20 -
    loss: 0.4859 - acc: 0.7548
2584 84/620 [==>.....] - ETA: 24:16 -
    loss: 0.4842 - acc: 0.7555
2585 85/620 [==>.....] - ETA: 24:13 -
    loss: 0.4821 - acc: 0.7561
2586 86/620 [==>.....] - ETA: 24:09 -
    loss: 0.4826 - acc: 0.7553
2587 87/620 [==>.....] - ETA: 24:06 -
    loss: 0.4843 - acc: 0.7549
2588 88/620 [==>.....] - ETA: 24:03 -
    loss: 0.4839 - acc: 0.7556
2589 89/620 [==>.....] - ETA: 23:58 -
    loss: 0.4858 - acc: 0.7537
2590 90/620 [==>.....] - ETA: 23:54 -
    loss: 0.4859 - acc: 0.7537
2591 91/620 [==>.....] - ETA: 23:49 -
    loss: 0.4854 - acc: 0.7537
2592 92/620 [==>.....] - ETA: 23:46 -
```

File - cnn_2D_model

```
2592 loss: 0.4865 - acc: 0.7526
2593 93/620 [====>.....] - ETA: 23:42 -
    loss: 0.4869 - acc: 0.7526
2594 94/620 [====>.....] - ETA: 23:42 -
    loss: 0.4860 - acc: 0.7532
2595 95/620 [====>.....] - ETA: 23:38 -
    loss: 0.4870 - acc: 0.7525
2596 96/620 [====>.....] - ETA: 23:34 -
    loss: 0.4866 - acc: 0.7525
2597 97/620 [====>.....] - ETA: 23:30 -
    loss: 0.4871 - acc: 0.7518
2598 98/620 [====>.....] - ETA: 23:26 -
    loss: 0.4863 - acc: 0.7521
2599 99/620 [====>.....] - ETA: 23:22 -
    loss: 0.4861 - acc: 0.7524
2600 100/620 [====>.....] - ETA: 23:12 -
    loss: 0.4855 - acc: 0.7532
2601 101/620 [====>.....] - ETA: 23:10 -
    loss: 0.4861 - acc: 0.7517
2602 102/620 [====>.....] - ETA: 23:06 -
    loss: 0.4858 - acc: 0.7513
2603 103/620 [====>.....] - ETA: 23:04 -
    loss: 0.4849 - acc: 0.7522
2604 104/620 [====>.....] - ETA: 22:59 -
    loss: 0.4845 - acc: 0.7534
2605 105/620 [====>.....] - ETA: 22:56 -
    loss: 0.4835 - acc: 0.7549
2606 106/620 [====>.....] - ETA: 22:53 -
    loss: 0.4839 - acc: 0.7551
2607 107/620 [====>.....] - ETA: 22:50 -
    loss: 0.4866 - acc: 0.7530
2608 108/620 [====>.....] - ETA: 22:46 -
    loss: 0.4873 - acc: 0.7527
2609 109/620 [====>.....] - ETA: 22:42 -
    loss: 0.4868 - acc: 0.7518
2610 110/620 [====>.....] - ETA: 22:39 -
    loss: 0.4871 - acc: 0.7515
2611 111/620 [====>.....] - ETA: 22:35 -
    loss: 0.4877 - acc: 0.7512
2612 112/620 [====>.....] - ETA: 22:31 -
    loss: 0.4879 - acc: 0.7515
2613 113/620 [====>.....] - ETA: 22:27 -
    loss: 0.4882 - acc: 0.7512
2614 114/620 [====>.....] - ETA: 22:24 -
    loss: 0.4871 - acc: 0.7520
```

File - cnn_2D_model

```
2615 115/620 [=====>.....] - ETA: 22:21 -
    loss: 0.4876 - acc: 0.7514
2616 116/620 [=====>.....] - ETA: 22:18 -
    loss: 0.4874 - acc: 0.7520
2617 117/620 [=====>.....] - ETA: 22:18 -
    loss: 0.4869 - acc: 0.7520
2618 118/620 [=====>.....] - ETA: 22:17 -
    loss: 0.4870 - acc: 0.7517
2619 119/620 [=====>.....] - ETA: 22:16 -
    loss: 0.4862 - acc: 0.7522
2620 120/620 [=====>.....] - ETA: 22:08 -
    loss: 0.4874 - acc: 0.7508
2621 121/620 [=====>.....] - ETA: 22:04 -
    loss: 0.4872 - acc: 0.7510
2622 122/620 [=====>.....] - ETA: 22:00 -
    loss: 0.4877 - acc: 0.7505
2623 123/620 [=====>.....] - ETA: 21:56 -
    loss: 0.4879 - acc: 0.7495
2624 124/620 [=====>.....] - ETA: 21:51 -
    loss: 0.4877 - acc: 0.7500
2625 125/620 [=====>.....] - ETA: 21:47 -
    loss: 0.4871 - acc: 0.7512
2626 126/620 [=====>.....] - ETA: 21:44 -
    loss: 0.4868 - acc: 0.7517
2627 127/620 [=====>.....] - ETA: 21:40 -
    loss: 0.4866 - acc: 0.7512
2628 128/620 [=====>.....] - ETA: 21:36 -
    loss: 0.4858 - acc: 0.7517
2629 129/620 [=====>.....] - ETA: 21:32 -
    loss: 0.4854 - acc: 0.7517
2630 130/620 [=====>.....] - ETA: 21:28 -
    loss: 0.4858 - acc: 0.7519
2631 131/620 [=====>.....] - ETA: 21:25 -
    loss: 0.4843 - acc: 0.7531
2632 132/620 [=====>.....] - ETA: 21:22 -
    loss: 0.4842 - acc: 0.7533
2633 133/620 [=====>.....] - ETA: 21:18 -
    loss: 0.4835 - acc: 0.7540
2634 134/620 [=====>.....] - ETA: 21:15 -
    loss: 0.4834 - acc: 0.7537
2635 135/620 [=====>.....] - ETA: 21:11 -
    loss: 0.4837 - acc: 0.7537
2636 136/620 [=====>.....] - ETA: 21:11 -
    loss: 0.4842 - acc: 0.7530
2637 137/620 [=====>.....] - ETA: 21:13 -
```

```
2637 loss: 0.4838 - acc: 0.7532
2638 138/620 [=====>.....] - ETA: 21:11 -
    loss: 0.4844 - acc: 0.7527
2639 139/620 [=====>.....] - ETA: 21:10 -
    loss: 0.4857 - acc: 0.7516
2640 140/620 [=====>.....] - ETA: 21:03 -
    loss: 0.4880 - acc: 0.7510
2641 141/620 [=====>.....] - ETA: 21:02 -
    loss: 0.4878 - acc: 0.7512
2642 142/620 [=====>.....] - ETA: 21:00 -
    loss: 0.4872 - acc: 0.7514
2643 143/620 [=====>.....] - ETA: 20:57 -
    loss: 0.4866 - acc: 0.7518
2644 144/620 [=====>.....] - ETA: 20:55 -
    loss: 0.4867 - acc: 0.7520
2645 145/620 [=====>.....] - ETA: 20:52 -
    loss: 0.4869 - acc: 0.7520
2646 146/620 [=====>.....] - ETA: 20:49 -
    loss: 0.4875 - acc: 0.7514
2647 147/620 [=====>.....] - ETA: 20:46 -
    loss: 0.4871 - acc: 0.7516
2648 148/620 [=====>.....] - ETA: 20:45 -
    loss: 0.4860 - acc: 0.7524
2649 149/620 [=====>.....] - ETA: 20:43 -
    loss: 0.4857 - acc: 0.7528
2650 150/620 [=====>.....] - ETA: 20:41 -
    loss: 0.4852 - acc: 0.7532
2651 151/620 [=====>.....] - ETA: 20:40 -
    loss: 0.4859 - acc: 0.7526
2652 152/620 [=====>.....] - ETA: 20:37 -
    loss: 0.4861 - acc: 0.7517
2653 153/620 [=====>.....] - ETA: 20:34 -
    loss: 0.4865 - acc: 0.7515
2654 154/620 [=====>.....] - ETA: 20:31 -
    loss: 0.4856 - acc: 0.7521
2655 155/620 [=====>.....] - ETA: 20:28 -
    loss: 0.4850 - acc: 0.7519
2656 156/620 [=====>.....] - ETA: 20:25 -
    loss: 0.4856 - acc: 0.7517
2657 157/620 [=====>.....] - ETA: 20:22 -
    loss: 0.4859 - acc: 0.7511
2658 158/620 [=====>.....] - ETA: 20:19 -
    loss: 0.4870 - acc: 0.7505
2659 159/620 [=====>.....] - ETA: 20:16 -
    loss: 0.4873 - acc: 0.7503
```

File - cnn_2D_model

```
2660 160/620 [=====>.....] - ETA: 20:09 -
    loss: 0.4863 - acc: 0.7513
2661 161/620 [=====>.....] - ETA: 20:07 -
    loss: 0.4862 - acc: 0.7509
2662 162/620 [=====>.....] - ETA: 20:05 -
    loss: 0.4861 - acc: 0.7515
2663 163/620 [=====>.....] - ETA: 20:03 -
    loss: 0.4859 - acc: 0.7515
2664 164/620 [=====>.....] - ETA: 20:01 -
    loss: 0.4854 - acc: 0.7518
2665 165/620 [=====>.....] - ETA: 19:59 -
    loss: 0.4855 - acc: 0.7518
2666 166/620 [=====>.....] - ETA: 19:56 -
    loss: 0.4857 - acc: 0.7514
2667 167/620 [=====>.....] - ETA: 19:54 -
    loss: 0.4860 - acc: 0.7509
2668 168/620 [=====>.....] - ETA: 19:51 -
    loss: 0.4863 - acc: 0.7507
2669 169/620 [=====>.....] - ETA: 19:49 -
    loss: 0.4863 - acc: 0.7505
2670 170/620 [=====>.....] - ETA: 19:46 -
    loss: 0.4850 - acc: 0.7514
2671 171/620 [=====>.....] - ETA: 19:44 -
    loss: 0.4846 - acc: 0.7519
2672 172/620 [=====>.....] - ETA: 19:41 -
    loss: 0.4847 - acc: 0.7519
2673 173/620 [=====>.....] - ETA: 19:38 -
    loss: 0.4853 - acc: 0.7516
2674 174/620 [=====>.....] - ETA: 19:35 -
    loss: 0.4855 - acc: 0.7517
2675 175/620 [=====>.....] - ETA: 19:33 -
    loss: 0.4847 - acc: 0.7526
2676 176/620 [=====>.....] - ETA: 19:31 -
    loss: 0.4845 - acc: 0.7530
2677 177/620 [=====>.....] - ETA: 19:29 -
    loss: 0.4848 - acc: 0.7529
2678 178/620 [=====>.....] - ETA: 19:26 -
    loss: 0.4841 - acc: 0.7535
2679 179/620 [=====>.....] - ETA: 19:23 -
    loss: 0.4838 - acc: 0.7538
2680 180/620 [=====>.....] - ETA: 19:17 -
    loss: 0.4837 - acc: 0.7538
2681 181/620 [=====>.....] - ETA: 19:14 -
    loss: 0.4830 - acc: 0.7543
2682 182/620 [=====>.....] - ETA: 19:11 -
```

```
2682 loss: 0.4834 - acc: 0.7541
2683 183/620 [=====>.....] - ETA: 19:08 -
    loss: 0.4828 - acc: 0.7544
2684 184/620 [=====>.....] - ETA: 19:05 -
    loss: 0.4821 - acc: 0.7547
2685 185/620 [=====>.....] - ETA: 19:02 -
    loss: 0.4818 - acc: 0.7548
2686 186/620 [=====>.....] - ETA: 18:59 -
    loss: 0.4823 - acc: 0.7546
2687 187/620 [=====>.....] - ETA: 18:57 -
    loss: 0.4819 - acc: 0.7548
2688 188/620 [=====>.....] - ETA: 18:55 -
    loss: 0.4823 - acc: 0.7546
2689 189/620 [=====>.....] - ETA: 18:51 -
    loss: 0.4825 - acc: 0.7547
2690 190/620 [=====>.....] - ETA: 18:48 -
    loss: 0.4818 - acc: 0.7554
2691 191/620 [=====>.....] - ETA: 18:45 -
    loss: 0.4824 - acc: 0.7552
2692 192/620 [=====>.....] - ETA: 18:42 -
    loss: 0.4828 - acc: 0.7543
2693 193/620 [=====>.....] - ETA: 18:39 -
    loss: 0.4830 - acc: 0.7540
2694 194/620 [=====>.....] - ETA: 18:37 -
    loss: 0.4834 - acc: 0.7535
2695 195/620 [=====>.....] - ETA: 18:34 -
    loss: 0.4828 - acc: 0.7536
2696 196/620 [=====>.....] - ETA: 18:31 -
    loss: 0.4825 - acc: 0.7536
2697 197/620 [=====>.....] - ETA: 18:28 -
    loss: 0.4819 - acc: 0.7542
2698 198/620 [=====>.....] - ETA: 18:25 -
    loss: 0.4819 - acc: 0.7541
2699 199/620 [=====>.....] - ETA: 18:22 -
    loss: 0.4829 - acc: 0.7529
2700 200/620 [=====>.....] - ETA: 18:17 -
    loss: 0.4822 - acc: 0.7533
2701 201/620 [=====>.....] - ETA: 18:14 -
    loss: 0.4823 - acc: 0.7530
2702 202/620 [=====>.....] - ETA: 18:11 -
    loss: 0.4826 - acc: 0.7528
2703 203/620 [=====>.....] - ETA: 18:08 -
    loss: 0.4826 - acc: 0.7528
2704 204/620 [=====>.....] - ETA: 18:05 -
    loss: 0.4822 - acc: 0.7533
```

File - cnn_2D_model

```
2705 205/620 [=====>.....] - ETA: 18:02 -
    loss: 0.4819 - acc: 0.7536
2706 206/620 [=====>.....] - ETA: 17:59 -
    loss: 0.4817 - acc: 0.7535
2707 207/620 [=====>.....] - ETA: 17:57 -
    loss: 0.4810 - acc: 0.7538
2708 208/620 [=====>.....] - ETA: 17:54 -
    loss: 0.4809 - acc: 0.7538
2709 209/620 [=====>.....] - ETA: 17:51 -
    loss: 0.4808 - acc: 0.7539
2710 210/620 [=====>.....] - ETA: 17:48 -
    loss: 0.4809 - acc: 0.7538
2711 211/620 [=====>.....] - ETA: 17:45 -
    loss: 0.4808 - acc: 0.7540
2712 212/620 [=====>.....] - ETA: 17:42 -
    loss: 0.4802 - acc: 0.7543
2713 213/620 [=====>.....] - ETA: 17:39 -
    loss: 0.4803 - acc: 0.7542
2714 214/620 [=====>.....] - ETA: 17:37 -
    loss: 0.4809 - acc: 0.7537
2715 215/620 [=====>.....] - ETA: 17:34 -
    loss: 0.4813 - acc: 0.7535
2716 216/620 [=====>.....] - ETA: 17:31 -
    loss: 0.4814 - acc: 0.7534
2717 217/620 [=====>.....] - ETA: 17:28 -
    loss: 0.4809 - acc: 0.7538
2718 218/620 [=====>.....] - ETA: 17:25 -
    loss: 0.4811 - acc: 0.7538
2719 219/620 [=====>.....] - ETA: 17:23 -
    loss: 0.4811 - acc: 0.7538
2720 220/620 [=====>.....] - ETA: 17:17 -
    loss: 0.4812 - acc: 0.7537
2721 221/620 [=====>.....] - ETA: 17:15 -
    loss: 0.4810 - acc: 0.7540
2722 222/620 [=====>.....] - ETA: 17:12 -
    loss: 0.4813 - acc: 0.7534
2723 223/620 [=====>.....] - ETA: 17:09 -
    loss: 0.4813 - acc: 0.7536
2724 224/620 [=====>.....] - ETA: 17:06 -
    loss: 0.4809 - acc: 0.7542
2725 225/620 [=====>.....] - ETA: 17:03 -
    loss: 0.4809 - acc: 0.7544
2726 226/620 [=====>.....] - ETA: 17:00 -
    loss: 0.4810 - acc: 0.7543
2727 227/620 [=====>.....] - ETA: 16:57 -
```

File - cnn_2D_model

```
2727 loss: 0.4810 - acc: 0.7542
2728 228/620 [=====>.....] - ETA: 16:55 -
    loss: 0.4808 - acc: 0.7543
2729 229/620 [=====>.....] - ETA: 16:52 -
    loss: 0.4806 - acc: 0.7543
2730 230/620 [=====>.....] - ETA: 16:49 -
    loss: 0.4805 - acc: 0.7544
2731 231/620 [=====>.....] - ETA: 16:46 -
    loss: 0.4802 - acc: 0.7544
2732 232/620 [=====>.....] - ETA: 16:43 -
    loss: 0.4796 - acc: 0.7550
2733 233/620 [=====>.....] - ETA: 16:40 -
    loss: 0.4797 - acc: 0.7551
2734 234/620 [=====>.....] - ETA: 16:38 -
    loss: 0.4803 - acc: 0.7549
2735 235/620 [=====>.....] - ETA: 16:36 -
    loss: 0.4806 - acc: 0.7550
2736 236/620 [=====>.....] - ETA: 16:33 -
    loss: 0.4802 - acc: 0.7551
2737 237/620 [=====>.....] - ETA: 16:30 -
    loss: 0.4801 - acc: 0.7552
2738 238/620 [=====>.....] - ETA: 16:27 -
    loss: 0.4809 - acc: 0.7546
2739 239/620 [=====>.....] - ETA: 16:25 -
    loss: 0.4808 - acc: 0.7548
2740 240/620 [=====>.....] - ETA: 16:20 -
    loss: 0.4811 - acc: 0.7540
2741 241/620 [=====>.....] - ETA: 16:17 -
    loss: 0.4807 - acc: 0.7543
2742 242/620 [=====>.....] - ETA: 16:14 -
    loss: 0.4808 - acc: 0.7539
2743 243/620 [=====>.....] - ETA: 16:11 -
    loss: 0.4803 - acc: 0.7542
2744 244/620 [=====>.....] - ETA: 16:09 -
    loss: 0.4798 - acc: 0.7547
2745 245/620 [=====>.....] - ETA: 16:06 -
    loss: 0.4792 - acc: 0.7554
2746 246/620 [=====>.....] - ETA: 16:03 -
    loss: 0.4796 - acc: 0.7552
2747 247/620 [=====>.....] - ETA: 16:00 -
    loss: 0.4792 - acc: 0.7556
2748 248/620 [=====>.....] - ETA: 15:58 -
    loss: 0.4788 - acc: 0.7559
2749 249/620 [=====>.....] - ETA: 15:55 -
    loss: 0.4786 - acc: 0.7559
```

File - cnn_2D_model

```
2750 250/620 [=====>.....] - ETA: 15:52 -
    loss: 0.4791 - acc: 0.7557
2751 251/620 [=====>.....] - ETA: 15:50 -
    loss: 0.4787 - acc: 0.7560
2752 252/620 [=====>.....] - ETA: 15:47 -
    loss: 0.4789 - acc: 0.7560
2753 253/620 [=====>.....] - ETA: 15:44 -
    loss: 0.4790 - acc: 0.7557
2754 254/620 [=====>.....] - ETA: 15:41 -
    loss: 0.4791 - acc: 0.7557
2755 255/620 [=====>.....] - ETA: 15:39 -
    loss: 0.4793 - acc: 0.7556
2756 256/620 [=====>.....] - ETA: 15:36 -
    loss: 0.4795 - acc: 0.7554
2757 257/620 [=====>.....] - ETA: 15:33 -
    loss: 0.4797 - acc: 0.7552
2758 258/620 [=====>.....] - ETA: 15:30 -
    loss: 0.4796 - acc: 0.7552
2759 259/620 [=====>.....] - ETA: 15:28 -
    loss: 0.4799 - acc: 0.7552
2760 260/620 [=====>.....] - ETA: 15:23 -
    loss: 0.4804 - acc: 0.7552
2761 261/620 [=====>.....] - ETA: 15:21 -
    loss: 0.4800 - acc: 0.7554
2762 262/620 [=====>.....] - ETA: 15:19 -
    loss: 0.4797 - acc: 0.7558
2763 263/620 [=====>.....] - ETA: 15:16 -
    loss: 0.4795 - acc: 0.7559
2764 264/620 [=====>.....] - ETA: 15:13 -
    loss: 0.4799 - acc: 0.7556
2765 265/620 [=====>.....] - ETA: 15:10 -
    loss: 0.4798 - acc: 0.7558
2766 266/620 [=====>.....] - ETA: 15:08 -
    loss: 0.4798 - acc: 0.7559
2767 267/620 [=====>.....] - ETA: 15:05 -
    loss: 0.4800 - acc: 0.7556
2768 268/620 [=====>.....] - ETA: 15:02 -
    loss: 0.4804 - acc: 0.7552
2769 269/620 [=====>.....] - ETA: 14:59 -
    loss: 0.4799 - acc: 0.7557
2770 270/620 [=====>.....] - ETA: 14:57 -
    loss: 0.4801 - acc: 0.7556
2771 271/620 [=====>.....] - ETA: 14:54 -
    loss: 0.4799 - acc: 0.7557
2772 272/620 [=====>.....] - ETA: 14:51 -
```

```
2772 loss: 0.4800 - acc: 0.7560
2773 273/620 [=====>.....] - ETA: 14:49 -
    loss: 0.4796 - acc: 0.7561
2774 274/620 [=====>.....] - ETA: 14:46 -
    loss: 0.4796 - acc: 0.7557
2775 275/620 [=====>.....] - ETA: 14:43 -
    loss: 0.4795 - acc: 0.7557
2776 276/620 [=====>.....] - ETA: 14:41 -
    loss: 0.4794 - acc: 0.7559
2777 277/620 [=====>.....] - ETA: 14:38 -
    loss: 0.4793 - acc: 0.7559
2778 278/620 [=====>.....] - ETA: 14:35 -
    loss: 0.4789 - acc: 0.7562
2779 279/620 [=====>.....] - ETA: 14:33 -
    loss: 0.4792 - acc: 0.7564
2780 280/620 [=====>.....] - ETA: 14:29 -
    loss: 0.4788 - acc: 0.7567
2781 281/620 [=====>.....] - ETA: 14:26 -
    loss: 0.4787 - acc: 0.7566
2782 282/620 [=====>.....] - ETA: 14:23 -
    loss: 0.4792 - acc: 0.7565
2783 283/620 [=====>.....] - ETA: 14:21 -
    loss: 0.4798 - acc: 0.7563
2784 284/620 [=====>.....] - ETA: 14:18 -
    loss: 0.4795 - acc: 0.7566
2785 285/620 [=====>.....] - ETA: 14:16 -
    loss: 0.4799 - acc: 0.7563
2786 286/620 [=====>.....] - ETA: 14:14 -
    loss: 0.4796 - acc: 0.7566
2787 287/620 [=====>.....] - ETA: 14:11 -
    loss: 0.4790 - acc: 0.7572
2788 288/620 [=====>.....] - ETA: 14:08 -
    loss: 0.4789 - acc: 0.7575
2789 289/620 [=====>.....] - ETA: 14:06 -
    loss: 0.4788 - acc: 0.7577
2790 290/620 [=====>.....] - ETA: 14:03 -
    loss: 0.4788 - acc: 0.7577
2791 291/620 [=====>.....] - ETA: 14:00 -
    loss: 0.4790 - acc: 0.7574
2792 292/620 [=====>.....] - ETA: 13:58 -
    loss: 0.4794 - acc: 0.7575
2793 293/620 [=====>.....] - ETA: 13:55 -
    loss: 0.4795 - acc: 0.7571
2794 294/620 [=====>.....] - ETA: 13:52 -
    loss: 0.4796 - acc: 0.7568
```

```
2795 295/620 [=====>.....] - ETA: 13:49 -
    loss: 0.4793 - acc: 0.7569
2796 296/620 [=====>.....] - ETA: 13:47 -
    loss: 0.4792 - acc: 0.7570
2797 297/620 [=====>.....] - ETA: 13:44 -
    loss: 0.4795 - acc: 0.7569
2798 298/620 [=====>.....] - ETA: 13:42 -
    loss: 0.4795 - acc: 0.7567
2799 299/620 [=====>.....] - ETA: 13:39 -
    loss: 0.4796 - acc: 0.7565
2800 300/620 [=====>.....] - ETA: 13:35 -
    loss: 0.4797 - acc: 0.7568
2801 301/620 [=====>.....] - ETA: 13:32 -
    loss: 0.4799 - acc: 0.7566
2802 302/620 [=====>.....] - ETA: 13:30 -
    loss: 0.4795 - acc: 0.7566
2803 303/620 [=====>.....] - ETA: 13:27 -
    loss: 0.4796 - acc: 0.7566
2804 304/620 [=====>.....] - ETA: 13:25 -
    loss: 0.4797 - acc: 0.7565
2805 305/620 [=====>.....] - ETA: 13:23 -
    loss: 0.4797 - acc: 0.7566
2806 306/620 [=====>.....] - ETA: 13:21 -
    loss: 0.4795 - acc: 0.7566
2807 307/620 [=====>.....] - ETA: 13:18 -
    loss: 0.4795 - acc: 0.7564
2808 308/620 [=====>.....] - ETA: 13:16 -
    loss: 0.4795 - acc: 0.7563
2809 309/620 [=====>.....] - ETA: 13:14 -
    loss: 0.4794 - acc: 0.7565
2810 310/620 [=====>.....] - ETA: 13:12 -
    loss: 0.4790 - acc: 0.7568
2811 311/620 [=====>.....] - ETA: 13:09 -
    loss: 0.4786 - acc: 0.7573
2812 312/620 [=====>.....] - ETA: 13:06 -
    loss: 0.4786 - acc: 0.7572
2813 313/620 [=====>.....] - ETA: 13:04 -
    loss: 0.4786 - acc: 0.7569
2814 314/620 [=====>.....] - ETA: 13:01 -
    loss: 0.4791 - acc: 0.7566
2815 315/620 [=====>.....] - ETA: 12:59 -
    loss: 0.4787 - acc: 0.7569
2816 316/620 [=====>.....] - ETA: 12:56 -
    loss: 0.4789 - acc: 0.7567
2817 317/620 [=====>.....] - ETA: 12:54 -
```

```
2817 loss: 0.4788 - acc: 0.7566
2818 318/620 [=====>.....] - ETA: 12:51 -
    loss: 0.4788 - acc: 0.7568
2819 319/620 [=====>.....] - ETA: 12:48 -
    loss: 0.4787 - acc: 0.7567
2820 320/620 [=====>.....] - ETA: 12:44 -
    loss: 0.4785 - acc: 0.7567
2821 321/620 [=====>.....] - ETA: 12:42 -
    loss: 0.4782 - acc: 0.7567
2822 322/620 [=====>.....] - ETA: 12:40 -
    loss: 0.4779 - acc: 0.7569
2823 323/620 [=====>.....] - ETA: 12:37 -
    loss: 0.4778 - acc: 0.7569
2824 324/620 [=====>.....] - ETA: 12:35 -
    loss: 0.4778 - acc: 0.7570
2825 325/620 [=====>.....] - ETA: 12:32 -
    loss: 0.4772 - acc: 0.7571
2826 326/620 [=====>.....] - ETA: 12:30 -
    loss: 0.4778 - acc: 0.7569
2827 327/620 [=====>.....] - ETA: 12:27 -
    loss: 0.4778 - acc: 0.7570
2828 328/620 [=====>.....] - ETA: 12:25 -
    loss: 0.4778 - acc: 0.7570
2829 329/620 [=====>.....] - ETA: 12:22 -
    loss: 0.4777 - acc: 0.7573
2830 330/620 [=====>.....] - ETA: 12:20 -
    loss: 0.4779 - acc: 0.7571
2831 331/620 [=====>.....] - ETA: 12:17 -
    loss: 0.4778 - acc: 0.7572
2832 332/620 [=====>.....] - ETA: 12:15 -
    loss: 0.4776 - acc: 0.7574
2833 333/620 [=====>.....] - ETA: 12:13 -
    loss: 0.4774 - acc: 0.7576
2834 334/620 [=====>.....] - ETA: 12:10 -
    loss: 0.4772 - acc: 0.7577
2835 335/620 [=====>.....] - ETA: 12:08 -
    loss: 0.4775 - acc: 0.7574
2836 336/620 [=====>.....] - ETA: 12:07 -
    loss: 0.4771 - acc: 0.7578
2837 337/620 [=====>.....] - ETA: 12:05 -
    loss: 0.4775 - acc: 0.7570
2838 338/620 [=====>.....] - ETA: 12:03 -
    loss: 0.4773 - acc: 0.7573
2839 339/620 [=====>.....] - ETA: 12:02 -
    loss: 0.4774 - acc: 0.7572
```

```
2840 340/620 [=====>.....] - ETA: 11:58 -
    loss: 0.4778 - acc: 0.7567
2841 341/620 [=====>.....] - ETA: 11:55 -
    loss: 0.4776 - acc: 0.7571
2842 342/620 [=====>.....] - ETA: 11:53 -
    loss: 0.4774 - acc: 0.7572
2843 343/620 [=====>.....] - ETA: 11:50 -
    loss: 0.4771 - acc: 0.7574
2844 344/620 [=====>.....] - ETA: 11:48 -
    loss: 0.4769 - acc: 0.7575
2845 345/620 [=====>.....] - ETA: 11:45 -
    loss: 0.4766 - acc: 0.7579
2846 346/620 [=====>.....] - ETA: 11:42 -
    loss: 0.4766 - acc: 0.7579
2847 347/620 [=====>.....] - ETA: 11:39 -
    loss: 0.4768 - acc: 0.7575
2848 348/620 [=====>.....] - ETA: 11:37 -
    loss: 0.4764 - acc: 0.7578
2849 349/620 [=====>.....] - ETA: 11:34 -
    loss: 0.4765 - acc: 0.7576
2850 350/620 [=====>.....] - ETA: 11:32 -
    loss: 0.4770 - acc: 0.7571
2851 351/620 [=====>.....] - ETA: 11:30 -
    loss: 0.4771 - acc: 0.7571
2852 352/620 [=====>.....] - ETA: 11:27 -
    loss: 0.4773 - acc: 0.7570
2853 353/620 [=====>.....] - ETA: 11:24 -
    loss: 0.4774 - acc: 0.7570
2854 354/620 [=====>.....] - ETA: 11:22 -
    loss: 0.4776 - acc: 0.7569
2855 355/620 [=====>.....] - ETA: 11:19 -
    loss: 0.4776 - acc: 0.7570
2856 356/620 [=====>.....] - ETA: 11:17 -
    loss: 0.4776 - acc: 0.7569
2857 357/620 [=====>.....] - ETA: 11:15 -
    loss: 0.4777 - acc: 0.7568
2858 358/620 [=====>.....] - ETA: 11:12 -
    loss: 0.4782 - acc: 0.7563
2859 359/620 [=====>.....] - ETA: 11:10 -
    loss: 0.4780 - acc: 0.7564
2860 360/620 [=====>.....] - ETA: 11:06 -
    loss: 0.4775 - acc: 0.7571
2861 361/620 [=====>.....] - ETA: 11:04 -
    loss: 0.4775 - acc: 0.7570
2862 362/620 [=====>.....] - ETA: 11:01 -
```

```
2862 loss: 0.4776 - acc: 0.7566
2863 363/620 [=====>.....] - ETA: 10:59 -
    loss: 0.4775 - acc: 0.7566
2864 364/620 [=====>.....] - ETA: 10:56 -
    loss: 0.4776 - acc: 0.7567
2865 365/620 [=====>.....] - ETA: 10:54 -
    loss: 0.4774 - acc: 0.7568
2866 366/620 [=====>.....] - ETA: 10:52 -
    loss: 0.4773 - acc: 0.7569
2867 367/620 [=====>.....] - ETA: 10:50 -
    loss: 0.4773 - acc: 0.7570
2868 368/620 [=====>.....] - ETA: 10:48 -
    loss: 0.4774 - acc: 0.7571
2869 369/620 [=====>.....] - ETA: 10:45 -
    loss: 0.4775 - acc: 0.7570
2870 370/620 [=====>.....] - ETA: 10:43 -
    loss: 0.4771 - acc: 0.7573
2871 371/620 [=====>.....] - ETA: 10:41 -
    loss: 0.4770 - acc: 0.7573
2872 372/620 [=====>.....] - ETA: 10:38 -
    loss: 0.4770 - acc: 0.7574
2873 373/620 [=====>.....] - ETA: 10:36 -
    loss: 0.4775 - acc: 0.7570
2874 374/620 [=====>.....] - ETA: 10:34 -
    loss: 0.4777 - acc: 0.7568
2875 375/620 [=====>.....] - ETA: 10:31 -
    loss: 0.4777 - acc: 0.7566
2876 376/620 [=====>.....] - ETA: 10:29 -
    loss: 0.4779 - acc: 0.7566
2877 377/620 [=====>.....] - ETA: 10:26 -
    loss: 0.4773 - acc: 0.7571
2878 378/620 [=====>.....] - ETA: 10:24 -
    loss: 0.4771 - acc: 0.7573
2879 379/620 [=====>.....] - ETA: 10:21 -
    loss: 0.4767 - acc: 0.7574
2880 380/620 [=====>.....] - ETA: 10:18 -
    loss: 0.4768 - acc: 0.7572
2881 381/620 [=====>.....] - ETA: 10:16 -
    loss: 0.4767 - acc: 0.7571
2882 382/620 [=====>.....] - ETA: 10:13 -
    loss: 0.4772 - acc: 0.7567
2883 383/620 [=====>.....] - ETA: 10:11 -
    loss: 0.4771 - acc: 0.7566
2884 384/620 [=====>.....] - ETA: 10:09 -
    loss: 0.4772 - acc: 0.7565
```

```
2885 385/620 [=====>.....] - ETA: 10:07 -
    loss: 0.4769 - acc: 0.7567
2886 386/620 [=====>.....] - ETA: 10:04 -
    loss: 0.4766 - acc: 0.7570
2887 387/620 [=====>.....] - ETA: 10:02 -
    loss: 0.4766 - acc: 0.7571
2888 388/620 [=====>.....] - ETA: 10:00 -
    loss: 0.4768 - acc: 0.7572
2889 389/620 [=====>.....] - ETA: 9:58 -
    loss: 0.4766 - acc: 0.7575
2890 390/620 [=====>.....] - ETA: 9:55 -
    loss: 0.4767 - acc: 0.7574
2891 391/620 [=====>.....] - ETA: 9:53 -
    loss: 0.4766 - acc: 0.7575
2892 392/620 [=====>.....] - ETA: 9:50 -
    loss: 0.4761 - acc: 0.7580
2893 393/620 [=====>.....] - ETA: 9:48 -
    loss: 0.4757 - acc: 0.7582
2894 394/620 [=====>.....] - ETA: 9:45 -
    loss: 0.4755 - acc: 0.7585
2895 395/620 [=====>.....] - ETA: 9:43 -
    loss: 0.4757 - acc: 0.7583
2896 396/620 [=====>.....] - ETA: 9:41 -
    loss: 0.4759 - acc: 0.7581
2897 397/620 [=====>.....] - ETA: 9:39 -
    loss: 0.4759 - acc: 0.7582
2898 398/620 [=====>.....] - ETA: 9:37 -
    loss: 0.4757 - acc: 0.7582
2899 399/620 [=====>.....] - ETA: 9:34 -
    loss: 0.4756 - acc: 0.7581
2900 400/620 [=====>.....] - ETA: 9:31 -
    loss: 0.4750 - acc: 0.7585
2901 401/620 [=====>.....] - ETA: 9:29 -
    loss: 0.4750 - acc: 0.7585
2902 402/620 [=====>.....] - ETA: 9:26 -
    loss: 0.4752 - acc: 0.7583
2903 403/620 [=====>.....] - ETA: 9:24 -
    loss: 0.4755 - acc: 0.7580
2904 404/620 [=====>.....] - ETA: 9:21 -
    loss: 0.4754 - acc: 0.7579
2905 405/620 [=====>.....] - ETA: 9:19 -
    loss: 0.4755 - acc: 0.7577
2906 406/620 [=====>.....] - ETA: 9:16 -
    loss: 0.4754 - acc: 0.7577
2907 407/620 [=====>.....] - ETA: 9:14 -
```

```
2907 loss: 0.4754 - acc: 0.7577
2908 408/620 [=====>.....] - ETA: 9:11 -
    loss: 0.4751 - acc: 0.7580
2909 409/620 [=====>.....] - ETA: 9:09 -
    loss: 0.4749 - acc: 0.7580
2910 410/620 [=====>.....] - ETA: 9:07 -
    loss: 0.4750 - acc: 0.7583
2911 411/620 [=====>.....] - ETA: 9:05 -
    loss: 0.4748 - acc: 0.7583
2912 412/620 [=====>.....] - ETA: 9:02 -
    loss: 0.4748 - acc: 0.7582
2913 413/620 [=====>.....] - ETA: 9:00 -
    loss: 0.4746 - acc: 0.7584
2914 414/620 [=====>.....] - ETA: 8:57 -
    loss: 0.4746 - acc: 0.7586
2915 415/620 [=====>.....] - ETA: 8:55 -
    loss: 0.4746 - acc: 0.7586
2916 416/620 [=====>.....] - ETA: 8:52 -
    loss: 0.4749 - acc: 0.7583
2917 417/620 [=====>.....] - ETA: 8:50 -
    loss: 0.4748 - acc: 0.7582
2918 418/620 [=====>.....] - ETA: 8:48 -
    loss: 0.4746 - acc: 0.7582
2919 419/620 [=====>.....] - ETA: 8:45 -
    loss: 0.4744 - acc: 0.7585
2920 420/620 [=====>.....] - ETA: 8:42 -
    loss: 0.4744 - acc: 0.7583
2921 421/620 [=====>.....] - ETA: 8:40 -
    loss: 0.4743 - acc: 0.7583
2922 422/620 [=====>.....] - ETA: 8:37 -
    loss: 0.4742 - acc: 0.7583
2923 423/620 [=====>.....] - ETA: 8:35 -
    loss: 0.4739 - acc: 0.7585
2924 424/620 [=====>.....] - ETA: 8:32 -
    loss: 0.4742 - acc: 0.7582
2925 425/620 [=====>.....] - ETA: 8:30 -
    loss: 0.4742 - acc: 0.7582
2926 426/620 [=====>.....] - ETA: 8:27 -
    loss: 0.4738 - acc: 0.7585
2927 427/620 [=====>.....] - ETA: 8:25 -
    loss: 0.4738 - acc: 0.7585
2928 428/620 [=====>.....] - ETA: 8:22 -
    loss: 0.4738 - acc: 0.7585
2929 429/620 [=====>.....] - ETA: 8:20 -
    loss: 0.4736 - acc: 0.7585
```

```
2930 430/620 [=====>.....] - ETA: 8:17 -
    loss: 0.4732 - acc: 0.7586
2931 431/620 [=====>.....] - ETA: 8:15 -
    loss: 0.4732 - acc: 0.7586
2932 432/620 [=====>.....] - ETA: 8:12 -
    loss: 0.4737 - acc: 0.7586
2933 433/620 [=====>.....] - ETA: 8:10 -
    loss: 0.4739 - acc: 0.7584
2934 434/620 [=====>.....] - ETA: 8:07 -
    loss: 0.4741 - acc: 0.7584
2935 435/620 [=====>.....] - ETA: 8:05 -
    loss: 0.4743 - acc: 0.7581
2936 436/620 [=====>.....] - ETA: 8:03 -
    loss: 0.4742 - acc: 0.7582
2937 437/620 [=====>.....] - ETA: 8:00 -
    loss: 0.4739 - acc: 0.7584
2938 438/620 [=====>.....] - ETA: 7:58 -
    loss: 0.4741 - acc: 0.7585
2939 439/620 [=====>.....] - ETA: 7:55 -
    loss: 0.4739 - acc: 0.7586
2940 440/620 [=====>.....] - ETA: 7:52 -
    loss: 0.4742 - acc: 0.7582
2941 441/620 [=====>.....] - ETA: 7:49 -
    loss: 0.4747 - acc: 0.7579
2942 442/620 [=====>.....] - ETA: 7:47 -
    loss: 0.4749 - acc: 0.7578
2943 443/620 [=====>.....] - ETA: 7:44 -
    loss: 0.4748 - acc: 0.7577
2944 444/620 [=====>.....] - ETA: 7:42 -
    loss: 0.4748 - acc: 0.7576
2945 445/620 [=====>.....] - ETA: 7:39 -
    loss: 0.4748 - acc: 0.7577
2946 446/620 [=====>.....] - ETA: 7:36 -
    loss: 0.4748 - acc: 0.7577
2947 447/620 [=====>.....] - ETA: 7:34 -
    loss: 0.4747 - acc: 0.7575
2948 448/620 [=====>.....] - ETA: 7:31 -
    loss: 0.4748 - acc: 0.7576
2949 449/620 [=====>.....] - ETA: 7:29 -
    loss: 0.4746 - acc: 0.7578
2950 450/620 [=====>.....] - ETA: 7:26 -
    loss: 0.4747 - acc: 0.7577
2951 451/620 [=====>.....] - ETA: 7:23 -
    loss: 0.4745 - acc: 0.7578
2952 452/620 [=====>.....] - ETA: 7:21 -
```

```
2952 loss: 0.4748 - acc: 0.7574
2953 453/620 [=====>.....] - ETA: 7:18 -
    loss: 0.4748 - acc: 0.7576
2954 454/620 [=====>.....] - ETA: 7:15 -
    loss: 0.4748 - acc: 0.7575
2955 455/620 [=====>.....] - ETA: 7:13 -
    loss: 0.4748 - acc: 0.7575
2956 456/620 [=====>.....] - ETA: 7:10 -
    loss: 0.4747 - acc: 0.7576
2957 457/620 [=====>.....] - ETA: 7:08 -
    loss: 0.4746 - acc: 0.7576
2958 458/620 [=====>.....] - ETA: 7:05 -
    loss: 0.4742 - acc: 0.7580
2959 459/620 [=====>.....] - ETA: 7:02 -
    loss: 0.4740 - acc: 0.7581
2960 460/620 [=====>.....] - ETA: 6:59 -
    loss: 0.4737 - acc: 0.7584
2961 461/620 [=====>.....] - ETA: 6:57 -
    loss: 0.4737 - acc: 0.7585
2962 462/620 [=====>.....] - ETA: 6:54 -
    loss: 0.4733 - acc: 0.7587
2963 463/620 [=====>.....] - ETA: 6:51 -
    loss: 0.4735 - acc: 0.7588
2964 464/620 [=====>.....] - ETA: 6:49 -
    loss: 0.4735 - acc: 0.7589
2965 465/620 [=====>.....] - ETA: 6:46 -
    loss: 0.4734 - acc: 0.7590
2966 466/620 [=====>.....] - ETA: 6:44 -
    loss: 0.4737 - acc: 0.7589
2967 467/620 [=====>.....] - ETA: 6:41 -
    loss: 0.4735 - acc: 0.7589
2968 468/620 [=====>.....] - ETA: 6:38 -
    loss: 0.4732 - acc: 0.7590
2969 469/620 [=====>.....] - ETA: 6:36 -
    loss: 0.4730 - acc: 0.7592
2970 470/620 [=====>.....] - ETA: 6:33 -
    loss: 0.4733 - acc: 0.7587
2971 471/620 [=====>.....] - ETA: 6:31 -
    loss: 0.4733 - acc: 0.7586
2972 472/620 [=====>.....] - ETA: 6:28 -
    loss: 0.4731 - acc: 0.7587
2973 473/620 [=====>.....] - ETA: 6:25 -
    loss: 0.4729 - acc: 0.7588
2974 474/620 [=====>.....] - ETA: 6:23 -
    loss: 0.4728 - acc: 0.7588
```

```
2975 475/620 [=====>.....] - ETA: 6:20 -
    loss: 0.4726 - acc: 0.7589
2976 476/620 [=====>.....] - ETA: 6:17 -
    loss: 0.4726 - acc: 0.7589
2977 477/620 [=====>.....] - ETA: 6:15 -
    loss: 0.4728 - acc: 0.7586
2978 478/620 [=====>.....] - ETA: 6:12 -
    loss: 0.4729 - acc: 0.7586
2979 479/620 [=====>.....] - ETA: 6:09 -
    loss: 0.4728 - acc: 0.7587
2980 480/620 [=====>.....] - ETA: 6:06 -
    loss: 0.4724 - acc: 0.7591
2981 481/620 [=====>.....] - ETA: 6:04 -
    loss: 0.4722 - acc: 0.7593
2982 482/620 [=====>.....] - ETA: 6:01 -
    loss: 0.4720 - acc: 0.7594
2983 483/620 [=====>.....] - ETA: 5:58 -
    loss: 0.4724 - acc: 0.7590
2984 484/620 [=====>.....] - ETA: 5:56 -
    loss: 0.4723 - acc: 0.7591
2985 485/620 [=====>.....] - ETA: 5:53 -
    loss: 0.4723 - acc: 0.7592
2986 486/620 [=====>.....] - ETA: 5:51 -
    loss: 0.4720 - acc: 0.7594
2987 487/620 [=====>.....] - ETA: 5:48 -
    loss: 0.4720 - acc: 0.7594
2988 488/620 [=====>.....] - ETA: 5:45 -
    loss: 0.4719 - acc: 0.7596
2989 489/620 [=====>.....] - ETA: 5:43 -
    loss: 0.4720 - acc: 0.7595
2990 490/620 [=====>.....] - ETA: 5:40 -
    loss: 0.4719 - acc: 0.7595
2991 491/620 [=====>.....] - ETA: 5:37 -
    loss: 0.4718 - acc: 0.7595
2992 492/620 [=====>.....] - ETA: 5:35 -
    loss: 0.4717 - acc: 0.7595
2993 493/620 [=====>.....] - ETA: 5:32 -
    loss: 0.4721 - acc: 0.7592
2994 494/620 [=====>.....] - ETA: 5:29 -
    loss: 0.4719 - acc: 0.7592
2995 495/620 [=====>.....] - ETA: 5:27 -
    loss: 0.4718 - acc: 0.7592
2996 496/620 [=====>.....] - ETA: 5:24 -
    loss: 0.4718 - acc: 0.7593
2997 497/620 [=====>.....] - ETA: 5:22 -
```

```
2997 loss: 0.4717 - acc: 0.7593
2998 498/620 [=====>.....] - ETA: 5:19 -
    loss: 0.4719 - acc: 0.7591
2999 499/620 [=====>.....] - ETA: 5:16 -
    loss: 0.4718 - acc: 0.7594
3000 500/620 [=====>.....] - ETA: 5:13 -
    loss: 0.4716 - acc: 0.7595
3001 501/620 [=====>.....] - ETA: 5:11 -
    loss: 0.4718 - acc: 0.7595
3002 502/620 [=====>.....] - ETA: 5:08 -
    loss: 0.4719 - acc: 0.7596
3003 503/620 [=====>.....] - ETA: 5:06 -
    loss: 0.4717 - acc: 0.7597
3004 504/620 [=====>.....] - ETA: 5:03 -
    loss: 0.4716 - acc: 0.7597
3005 505/620 [=====>.....] - ETA: 5:00 -
    loss: 0.4717 - acc: 0.7597
3006 506/620 [=====>.....] - ETA: 4:58 -
    loss: 0.4717 - acc: 0.7596
3007 507/620 [=====>.....] - ETA: 4:55 -
    loss: 0.4715 - acc: 0.7598
3008 508/620 [=====>.....] - ETA: 4:52 -
    loss: 0.4713 - acc: 0.7598
3009 509/620 [=====>.....] - ETA: 4:50 -
    loss: 0.4712 - acc: 0.7601
3010 510/620 [=====>.....] - ETA: 4:47 -
    loss: 0.4713 - acc: 0.7600
3011 511/620 [=====>.....] - ETA: 4:45 -
    loss: 0.4710 - acc: 0.7603
3012 512/620 [=====>.....] - ETA: 4:42 -
    loss: 0.4710 - acc: 0.7602
3013 513/620 [=====>.....] - ETA: 4:40 -
    loss: 0.4711 - acc: 0.7601
3014 514/620 [=====>.....] - ETA: 4:37 -
    loss: 0.4710 - acc: 0.7601
3015 515/620 [=====>.....] - ETA: 4:35 -
    loss: 0.4709 - acc: 0.7601
3016 516/620 [=====>.....] - ETA: 4:32 -
    loss: 0.4709 - acc: 0.7601
3017 517/620 [=====>.....] - ETA: 4:30 -
    loss: 0.4707 - acc: 0.7602
3018 518/620 [=====>.....] - ETA: 4:27 -
    loss: 0.4707 - acc: 0.7602
3019 519/620 [=====>.....] - ETA: 4:25 -
    loss: 0.4705 - acc: 0.7604
```

File - cnn_2D_model

```
3020 520/620 [=====>.....] - ETA: 4:22 -
    loss: 0.4703 - acc: 0.7604
3021 521/620 [=====>.....] - ETA: 4:20 -
    loss: 0.4702 - acc: 0.7604
3022 522/620 [=====>.....] - ETA: 4:17 -
    loss: 0.4701 - acc: 0.7604
3023 523/620 [=====>.....] - ETA: 4:15 -
    loss: 0.4699 - acc: 0.7605
3024 524/620 [=====>.....] - ETA: 4:12 -
    loss: 0.4697 - acc: 0.7606
3025 525/620 [=====>.....] - ETA: 4:10 -
    loss: 0.4695 - acc: 0.7608
3026 526/620 [=====>.....] - ETA: 4:07 -
    loss: 0.4694 - acc: 0.7608
3027 527/620 [=====>.....] - ETA: 4:05 -
    loss: 0.4694 - acc: 0.7607
3028 528/620 [=====>.....] - ETA: 4:02 -
    loss: 0.4695 - acc: 0.7607
3029 529/620 [=====>.....] - ETA: 3:59 -
    loss: 0.4695 - acc: 0.7606
3030 530/620 [=====>.....] - ETA: 3:57 -
    loss: 0.4696 - acc: 0.7604
3031 531/620 [=====>.....] - ETA: 3:54 -
    loss: 0.4695 - acc: 0.7604
3032 532/620 [=====>.....] - ETA: 3:52 -
    loss: 0.4694 - acc: 0.7605
3033 533/620 [=====>.....] - ETA: 3:49 -
    loss: 0.4694 - acc: 0.7604
3034 534/620 [=====>.....] - ETA: 3:46 -
    loss: 0.4693 - acc: 0.7605
3035 535/620 [=====>.....] - ETA: 3:44 -
    loss: 0.4693 - acc: 0.7604
3036 536/620 [=====>.....] - ETA: 3:41 -
    loss: 0.4693 - acc: 0.7604
3037 537/620 [=====>.....] - ETA: 3:38 -
    loss: 0.4696 - acc: 0.7601
3038 538/620 [=====>.....] - ETA: 3:36 -
    loss: 0.4694 - acc: 0.7603
3039 539/620 [=====>....] - ETA: 3:33 -
    loss: 0.4693 - acc: 0.7604
3040 540/620 [=====>....] - ETA: 3:30 -
    loss: 0.4690 - acc: 0.7607
3041 541/620 [=====>....] - ETA: 3:28 -
    loss: 0.4689 - acc: 0.7607
3042 542/620 [=====>....] - ETA: 3:25 -
```

```
3042 loss: 0.4690 - acc: 0.7607
3043 543/620 [=====>....] - ETA: 3:23 -
    loss: 0.4688 - acc: 0.7608
3044 544/620 [=====>....] - ETA: 3:20 -
    loss: 0.4687 - acc: 0.7609
3045 545/620 [=====>....] - ETA: 3:17 -
    loss: 0.4686 - acc: 0.7610
3046 546/620 [=====>....] - ETA: 3:15 -
    loss: 0.4685 - acc: 0.7609
3047 547/620 [=====>....] - ETA: 3:12 -
    loss: 0.4685 - acc: 0.7608
3048 548/620 [=====>....] - ETA: 3:10 -
    loss: 0.4687 - acc: 0.7609
3049 549/620 [=====>....] - ETA: 3:07 -
    loss: 0.4687 - acc: 0.7608
3050 550/620 [=====>....] - ETA: 3:04 -
    loss: 0.4685 - acc: 0.7609
3051 551/620 [=====>....] - ETA: 3:02 -
    loss: 0.4683 - acc: 0.7610
3052 552/620 [=====>....] - ETA: 2:59 -
    loss: 0.4685 - acc: 0.7607
3053 553/620 [=====>....] - ETA: 2:57 -
    loss: 0.4683 - acc: 0.7609
3054 554/620 [=====>....] - ETA: 2:54 -
    loss: 0.4682 - acc: 0.7610
3055 555/620 [=====>....] - ETA: 2:51 -
    loss: 0.4682 - acc: 0.7609
3056 556/620 [=====>....] - ETA: 2:49 -
    loss: 0.4683 - acc: 0.7609
3057 557/620 [=====>....] - ETA: 2:46 -
    loss: 0.4685 - acc: 0.7606
3058 558/620 [=====>...] - ETA: 2:43 -
    loss: 0.4685 - acc: 0.7607
3059 559/620 [=====>...] - ETA: 2:41 -
    loss: 0.4685 - acc: 0.7606
3060 560/620 [=====>...] - ETA: 2:38 -
    loss: 0.4686 - acc: 0.7605
3061 561/620 [=====>...] - ETA: 2:35 -
    loss: 0.4687 - acc: 0.7603
3062 562/620 [=====>...] - ETA: 2:33 -
    loss: 0.4688 - acc: 0.7602
3063 563/620 [=====>...] - ETA: 2:30 -
    loss: 0.4686 - acc: 0.7603
3064 564/620 [=====>...] - ETA: 2:27 -
    loss: 0.4685 - acc: 0.7603
```

File - cnn_2D_model

```
3065 565/620 [=====>...] - ETA: 2:25 -
    loss: 0.4687 - acc: 0.7602
3066 566/620 [=====>...] - ETA: 2:22 -
    loss: 0.4685 - acc: 0.7604
3067 567/620 [=====>...] - ETA: 2:19 -
    loss: 0.4685 - acc: 0.7605
3068 568/620 [=====>...] - ETA: 2:17 -
    loss: 0.4687 - acc: 0.7602
3069 569/620 [=====>...] - ETA: 2:14 -
    loss: 0.4686 - acc: 0.7601
3070 570/620 [=====>...] - ETA: 2:11 -
    loss: 0.4686 - acc: 0.7601
3071 571/620 [=====>...] - ETA: 2:09 -
    loss: 0.4685 - acc: 0.7602
3072 572/620 [=====>...] - ETA: 2:06 -
    loss: 0.4687 - acc: 0.7599
3073 573/620 [=====>...] - ETA: 2:04 -
    loss: 0.4686 - acc: 0.7600
3074 574/620 [=====>...] - ETA: 2:01 -
    loss: 0.4686 - acc: 0.7602
3075 575/620 [=====>...] - ETA: 1:58 -
    loss: 0.4684 - acc: 0.7603
3076 576/620 [=====>...] - ETA: 1:56 -
    loss: 0.4684 - acc: 0.7602
3077 577/620 [=====>...] - ETA: 1:53 -
    loss: 0.4681 - acc: 0.7604
3078 578/620 [=====>...] - ETA: 1:50 -
    loss: 0.4680 - acc: 0.7606
3079 579/620 [=====>...] - ETA: 1:48 -
    loss: 0.4680 - acc: 0.7606
3080 580/620 [=====>...] - ETA: 1:45 -
    loss: 0.4678 - acc: 0.7605
3081 581/620 [=====>...] - ETA: 1:43 -
    loss: 0.4679 - acc: 0.7603
3082 582/620 [=====>...] - ETA: 1:40 -
    loss: 0.4679 - acc: 0.7603
3083 583/620 [=====>...] - ETA: 1:37 -
    loss: 0.4677 - acc: 0.7605
3084 584/620 [=====>...] - ETA: 1:35 -
    loss: 0.4675 - acc: 0.7605
3085 585/620 [=====>...] - ETA: 1:32 -
    loss: 0.4676 - acc: 0.7604
3086 586/620 [=====>...] - ETA: 1:29 -
    loss: 0.4674 - acc: 0.7604
3087 587/620 [=====>...] - ETA: 1:27 -
```

File - cnn_2D_model

```
3087 loss: 0.4674 - acc: 0.7604
3088 588/620 [=====>..] - ETA: 1:24 -
    loss: 0.4674 - acc: 0.7604
3089 589/620 [=====>..] - ETA: 1:21 -
    loss: 0.4673 - acc: 0.7604
3090 590/620 [=====>..] - ETA: 1:19 -
    loss: 0.4673 - acc: 0.7604
3091 591/620 [=====>..] - ETA: 1:16 -
    loss: 0.4674 - acc: 0.7605
3092 592/620 [=====>..] - ETA: 1:14 -
    loss: 0.4674 - acc: 0.7605
3093 593/620 [=====>..] - ETA: 1:11 -
    loss: 0.4674 - acc: 0.7604
3094 594/620 [=====>..] - ETA: 1:08 -
    loss: 0.4672 - acc: 0.7605
3095 595/620 [=====>..] - ETA: 1:06 -
    loss: 0.4670 - acc: 0.7606
3096 596/620 [=====>..] - ETA: 1:03 -
    loss: 0.4671 - acc: 0.7606
3097 597/620 [=====>..] - ETA: 1:00 -
    loss: 0.4671 - acc: 0.7607
3098 598/620 [=====>..] - ETA: 58s -
    loss: 0.4672 - acc: 0.7606
3099 599/620 [=====>..] - ETA: 55s -
    loss: 0.4671 - acc: 0.7607
3100 600/620 [=====>.] - ETA: 52s -
    loss: 0.4669 - acc: 0.7607
3101 601/620 [=====>.] - ETA: 50s -
    loss: 0.4669 - acc: 0.7608
3102 602/620 [=====>.] - ETA: 47s -
    loss: 0.4674 - acc: 0.7604
3103 603/620 [=====>.] - ETA: 44s -
    loss: 0.4673 - acc: 0.7605
3104 604/620 [=====>.] - ETA: 42s -
    loss: 0.4671 - acc: 0.7606
3105 605/620 [=====>.] - ETA: 39s -
    loss: 0.4670 - acc: 0.7606
3106 606/620 [=====>.] - ETA: 37s -
    loss: 0.4670 - acc: 0.7607
3107 607/620 [=====>.] - ETA: 34s -
    loss: 0.4669 - acc: 0.7609
3108 608/620 [=====>.] - ETA: 31s -
    loss: 0.4671 - acc: 0.7607
3109 609/620 [=====>.] - ETA: 29s -
    loss: 0.4672 - acc: 0.7605
```

File - cnn_2D_model

```
3110 610/620 [=====>.] - ETA: 26s -
    loss: 0.4674 - acc: 0.7603
3111 611/620 [=====>.] - ETA: 23s -
    loss: 0.4673 - acc: 0.7605
3112 612/620 [=====>.] - ETA: 21s -
    loss: 0.4675 - acc: 0.7604
3113 613/620 [=====>.] - ETA: 18s -
    loss: 0.4673 - acc: 0.7605
3114 614/620 [=====>.] - ETA: 15s -
    loss: 0.4672 - acc: 0.7607
3115 615/620 [=====>.] - ETA: 13s -
    loss: 0.4669 - acc: 0.7610
3116 616/620 [=====>.] - ETA: 10s -
    loss: 0.4670 - acc: 0.7609
3117 617/620 [=====>.] - ETA: 7s -
    loss: 0.4669 - acc: 0.7608
3118 618/620 [=====>.] - ETA: 5s -
    loss: 0.4668 - acc: 0.7609
3119 619/620 [=====>.] - ETA: 2s -
    loss: 0.4668 - acc: 0.7609
3120 620/620 [=====] - 1690s 3s/step
    - loss: 0.4666 - acc: 0.7610 - val_loss: 0.5632 -
    val_acc: 0.8097
3121 Epoch 6/10
3122
3123 1/620 [.....] - ETA: 27:53 -
    loss: 0.4053 - acc: 0.8125
3124 2/620 [.....] - ETA: 27:31 -
    loss: 0.3957 - acc: 0.8281
3125 3/620 [.....] - ETA: 27:31 -
    loss: 0.3781 - acc: 0.8438
3126 4/620 [.....] - ETA: 27:11 -
    loss: 0.3955 - acc: 0.8203
3127 5/620 [.....] - ETA: 28:30 -
    loss: 0.3908 - acc: 0.8375
3128 6/620 [.....] - ETA: 28:29 -
    loss: 0.4128 - acc: 0.8125
3129 7/620 [.....] - ETA: 28:31 -
    loss: 0.4229 - acc: 0.7946
3130 8/620 [.....] - ETA: 28:32 -
    loss: 0.4248 - acc: 0.7852
3131 9/620 [.....] - ETA: 28:07 -
    loss: 0.4309 - acc: 0.7847
3132 10/620 [.....] - ETA: 28:13 -
    loss: 0.4265 - acc: 0.7844
```

```
3133 11/620 [.....] - ETA: 28:03 -
    loss: 0.4246 - acc: 0.7812
3134 12/620 [.....] - ETA: 27:49 -
    loss: 0.4225 - acc: 0.7865
3135 13/620 [.....] - ETA: 27:41 -
    loss: 0.4201 - acc: 0.7885
3136 14/620 [.....] - ETA: 27:36 -
    loss: 0.4290 - acc: 0.7812
3137 15/620 [.....] - ETA: 27:30 -
    loss: 0.4292 - acc: 0.7771
3138 16/620 [.....] - ETA: 27:26 -
    loss: 0.4297 - acc: 0.7812
3139 17/620 [.....] - ETA: 27:22 -
    loss: 0.4351 - acc: 0.7757
3140 18/620 [.....] - ETA: 27:17 -
    loss: 0.4384 - acc: 0.7726
3141 19/620 [.....] - ETA: 27:09 -
    loss: 0.4471 - acc: 0.7681
3142 20/620 [.....] - ETA: 26:24 -
    loss: 0.4379 - acc: 0.7797
3143 21/620 [>.....] - ETA: 26:22 -
    loss: 0.4323 - acc: 0.7827
3144 22/620 [>.....] - ETA: 26:28 -
    loss: 0.4310 - acc: 0.7855
3145 23/620 [>.....] - ETA: 26:33 -
    loss: 0.4300 - acc: 0.7894
3146 24/620 [>.....] - ETA: 26:25 -
    loss: 0.4323 - acc: 0.7852
3147 25/620 [>.....] - ETA: 26:30 -
    loss: 0.4350 - acc: 0.7788
3148 26/620 [>.....] - ETA: 26:33 -
    loss: 0.4336 - acc: 0.7800
3149 27/620 [>.....] - ETA: 26:32 -
    loss: 0.4332 - acc: 0.7812
3150 28/620 [>.....] - ETA: 26:34 -
    loss: 0.4340 - acc: 0.7824
3151 29/620 [>.....] - ETA: 26:27 -
    loss: 0.4359 - acc: 0.7802
3152 30/620 [>.....] - ETA: 26:34 -
    loss: 0.4358 - acc: 0.7792
3153 31/620 [>.....] - ETA: 26:31 -
    loss: 0.4355 - acc: 0.7802
3154 32/620 [>.....] - ETA: 26:31 -
    loss: 0.4385 - acc: 0.7773
3155 33/620 [>.....] - ETA: 26:27 -
```

```
3155 loss: 0.4399 - acc: 0.7794
3156 34/620 [>.....] - ETA: 26:25 -
    loss: 0.4414 - acc: 0.7776
3157 35/620 [>.....] - ETA: 26:19 -
    loss: 0.4379 - acc: 0.7804
3158 36/620 [>.....] - ETA: 26:19 -
    loss: 0.4352 - acc: 0.7812
3159 37/620 [>.....] - ETA: 26:24 -
    loss: 0.4345 - acc: 0.7829
3160 38/620 [>.....] - ETA: 26:21 -
    loss: 0.4396 - acc: 0.7763
3161 39/620 [>.....] - ETA: 26:16 -
    loss: 0.4434 - acc: 0.7724
3162 40/620 [>.....] - ETA: 25:53 -
    loss: 0.4469 - acc: 0.7719
3163 41/620 [>.....] - ETA: 25:56 -
    loss: 0.4459 - acc: 0.7729
3164 42/620 [=>.....] - ETA: 25:51 -
    loss: 0.4453 - acc: 0.7716
3165 43/620 [=>.....] - ETA: 25:47 -
    loss: 0.4448 - acc: 0.7703
3166 44/620 [=>.....] - ETA: 25:50 -
    loss: 0.4481 - acc: 0.7678
3167 45/620 [=>.....] - ETA: 25:51 -
    loss: 0.4488 - acc: 0.7674
3168 46/620 [=>.....] - ETA: 25:46 -
    loss: 0.4497 - acc: 0.7663
3169 47/620 [=>.....] - ETA: 25:48 -
    loss: 0.4493 - acc: 0.7673
3170 48/620 [=>.....] - ETA: 25:53 -
    loss: 0.4505 - acc: 0.7669
3171 49/620 [=>.....] - ETA: 25:53 -
    loss: 0.4509 - acc: 0.7666
3172 50/620 [=>.....] - ETA: 26:03 -
    loss: 0.4512 - acc: 0.7662
3173 51/620 [=>.....] - ETA: 26:01 -
    loss: 0.4487 - acc: 0.7696
3174 52/620 [=>.....] - ETA: 25:58 -
    loss: 0.4511 - acc: 0.7674
3175 53/620 [=>.....] - ETA: 25:54 -
    loss: 0.4501 - acc: 0.7683
3176 54/620 [=>.....] - ETA: 25:50 -
    loss: 0.4489 - acc: 0.7691
3177 55/620 [=>.....] - ETA: 25:46 -
    loss: 0.4468 - acc: 0.7705
```

File - cnn_2D_model

```
3178 56/620 [=>.....] - ETA: 25:41 -
    loss: 0.4473 - acc: 0.7712
3179 57/620 [=>.....] - ETA: 25:37 -
    loss: 0.4498 - acc: 0.7697
3180 58/620 [=>.....] - ETA: 25:32 -
    loss: 0.4500 - acc: 0.7699
3181 59/620 [=>.....] - ETA: 25:32 -
    loss: 0.4509 - acc: 0.7691
3182 60/620 [=>.....] - ETA: 25:17 -
    loss: 0.4505 - acc: 0.7715
3183 61/620 [=>.....] - ETA: 25:16 -
    loss: 0.4484 - acc: 0.7732
3184 62/620 ==>.....] - ETA: 25:15 -
    loss: 0.4468 - acc: 0.7739
3185 63/620 ==>.....] - ETA: 25:12 -
    loss: 0.4470 - acc: 0.7740
3186 64/620 ==>.....] - ETA: 25:08 -
    loss: 0.4469 - acc: 0.7736
3187 65/620 ==>.....] - ETA: 25:08 -
    loss: 0.4483 - acc: 0.7728
3188 66/620 ==>.....] - ETA: 25:05 -
    loss: 0.4490 - acc: 0.7719
3189 67/620 ==>.....] - ETA: 25:04 -
    loss: 0.4489 - acc: 0.7725
3190 68/620 ==>.....] - ETA: 25:01 -
    loss: 0.4490 - acc: 0.7713
3191 69/620 ==>.....] - ETA: 24:58 -
    loss: 0.4501 - acc: 0.7710
3192 70/620 ==>.....] - ETA: 24:57 -
    loss: 0.4518 - acc: 0.7702
3193 71/620 ==>.....] - ETA: 24:57 -
    loss: 0.4510 - acc: 0.7704
3194 72/620 ==>.....] - ETA: 24:58 -
    loss: 0.4509 - acc: 0.7710
3195 73/620 ==>.....] - ETA: 24:55 -
    loss: 0.4513 - acc: 0.7711
3196 74/620 ==>.....] - ETA: 24:54 -
    loss: 0.4518 - acc: 0.7713
3197 75/620 ==>.....] - ETA: 24:52 -
    loss: 0.4510 - acc: 0.7718
3198 76/620 ==>.....] - ETA: 24:49 -
    loss: 0.4505 - acc: 0.7723
3199 77/620 ==>.....] - ETA: 24:48 -
    loss: 0.4520 - acc: 0.7700
3200 78/620 ==>.....] - ETA: 24:47 -
```

File - cnn_2D_model

```
3200 loss: 0.4509 - acc: 0.7706
3201 79/620 [==>.....] - ETA: 24:45 -
    loss: 0.4515 - acc: 0.7699
3202 80/620 [==>.....] - ETA: 24:32 -
    loss: 0.4500 - acc: 0.7717
3203 81/620 [==>.....] - ETA: 24:31 -
    loss: 0.4501 - acc: 0.7707
3204 82/620 [==>.....] - ETA: 24:28 -
    loss: 0.4502 - acc: 0.7697
3205 83/620 [==>.....] - ETA: 24:27 -
    loss: 0.4503 - acc: 0.7695
3206 84/620 [==>.....] - ETA: 24:32 -
    loss: 0.4497 - acc: 0.7703
3207 85/620 [==>.....] - ETA: 24:36 -
    loss: 0.4510 - acc: 0.7697
3208 86/620 [==>.....] - ETA: 24:37 -
    loss: 0.4502 - acc: 0.7706
3209 87/620 [==>.....] - ETA: 24:37 -
    loss: 0.4510 - acc: 0.7693
3210 88/620 [==>.....] - ETA: 24:36 -
    loss: 0.4507 - acc: 0.7683
3211 89/620 [==>.....] - ETA: 24:36 -
    loss: 0.4504 - acc: 0.7685
3212 90/620 [==>.....] - ETA: 24:39 -
    loss: 0.4500 - acc: 0.7697
3213 91/620 [==>.....] - ETA: 24:45 -
    loss: 0.4486 - acc: 0.7712
3214 92/620 [==>.....] - ETA: 24:46 -
    loss: 0.4484 - acc: 0.7713
3215 93/620 [==>.....] - ETA: 24:46 -
    loss: 0.4470 - acc: 0.7724
3216 94/620 [==>.....] - ETA: 24:45 -
    loss: 0.4467 - acc: 0.7722
3217 95/620 [==>.....] - ETA: 24:46 -
    loss: 0.4461 - acc: 0.7729
3218 96/620 [==>.....] - ETA: 24:45 -
    loss: 0.4486 - acc: 0.7717
3219 97/620 [==>.....] - ETA: 24:42 -
    loss: 0.4485 - acc: 0.7712
3220 98/620 [==>.....] - ETA: 24:38 -
    loss: 0.4499 - acc: 0.7703
3221 99/620 [==>.....] - ETA: 24:35 -
    loss: 0.4509 - acc: 0.7695
3222 100/620 [==>.....] - ETA: 24:24 -
    loss: 0.4499 - acc: 0.7709
```

```
3223 101/620 [==>.....] - ETA: 24:21 -
    loss: 0.4508 - acc: 0.7695
3224 102/620 [==>.....] - ETA: 24:18 -
    loss: 0.4520 - acc: 0.7687
3225 103/620 [==>.....] - ETA: 24:15 -
    loss: 0.4524 - acc: 0.7682
3226 104/620 [====>.....] - ETA: 24:12 -
    loss: 0.4541 - acc: 0.7677
3227 105/620 [====>.....] - ETA: 24:11 -
    loss: 0.4536 - acc: 0.7690
3228 106/620 [====>.....] - ETA: 24:10 -
    loss: 0.4540 - acc: 0.7686
3229 107/620 [====>.....] - ETA: 24:06 -
    loss: 0.4542 - acc: 0.7684
3230 108/620 [====>.....] - ETA: 24:03 -
    loss: 0.4527 - acc: 0.7700
3231 109/620 [====>.....] - ETA: 24:00 -
    loss: 0.4534 - acc: 0.7689
3232 110/620 [====>.....] - ETA: 23:58 -
    loss: 0.4521 - acc: 0.7690
3233 111/620 [====>.....] - ETA: 23:57 -
    loss: 0.4529 - acc: 0.7686
3234 112/620 [====>.....] - ETA: 23:54 -
    loss: 0.4523 - acc: 0.7687
3235 113/620 [====>.....] - ETA: 23:52 -
    loss: 0.4510 - acc: 0.7694
3236 114/620 [====>.....] - ETA: 23:49 -
    loss: 0.4509 - acc: 0.7697
3237 115/620 [====>.....] - ETA: 23:46 -
    loss: 0.4507 - acc: 0.7704
3238 116/620 [====>.....] - ETA: 23:43 -
    loss: 0.4508 - acc: 0.7705
3239 117/620 [====>.....] - ETA: 23:42 -
    loss: 0.4516 - acc: 0.7698
3240 118/620 [====>.....] - ETA: 23:38 -
    loss: 0.4502 - acc: 0.7707
3241 119/620 [====>.....] - ETA: 23:36 -
    loss: 0.4501 - acc: 0.7707
3242 120/620 [====>.....] - ETA: 23:31 -
    loss: 0.4494 - acc: 0.7706
3243 121/620 [====>.....] - ETA: 23:31 -
    loss: 0.4501 - acc: 0.7704
3244 122/620 [====>.....] - ETA: 23:28 -
    loss: 0.4501 - acc: 0.7702
3245 123/620 [====>.....] - ETA: 23:24 -
```

```
3245 loss: 0.4495 - acc: 0.7708
3246 124/620 [=====>.....] - ETA: 23:22 -
    loss: 0.4492 - acc: 0.7717
3247 125/620 [=====>.....] - ETA: 23:18 -
    loss: 0.4495 - acc: 0.7713
3248 126/620 [=====>.....] - ETA: 23:15 -
    loss: 0.4498 - acc: 0.7713
3249 127/620 [=====>.....] - ETA: 23:11 -
    loss: 0.4499 - acc: 0.7712
3250 128/620 [=====>.....] - ETA: 23:07 -
    loss: 0.4496 - acc: 0.7710
3251 129/620 [=====>.....] - ETA: 23:02 -
    loss: 0.4500 - acc: 0.7706
3252 130/620 [=====>.....] - ETA: 22:58 -
    loss: 0.4491 - acc: 0.7712
3253 131/620 [=====>.....] - ETA: 22:54 -
    loss: 0.4493 - acc: 0.7708
3254 132/620 [=====>.....] - ETA: 22:50 -
    loss: 0.4491 - acc: 0.7708
3255 133/620 [=====>.....] - ETA: 22:46 -
    loss: 0.4495 - acc: 0.7704
3256 134/620 [=====>.....] - ETA: 22:42 -
    loss: 0.4490 - acc: 0.7705
3257 135/620 [=====>.....] - ETA: 22:37 -
    loss: 0.4495 - acc: 0.7697
3258 136/620 [=====>.....] - ETA: 22:33 -
    loss: 0.4499 - acc: 0.7700
3259 137/620 [=====>.....] - ETA: 22:28 -
    loss: 0.4487 - acc: 0.7708
3260 138/620 [=====>.....] - ETA: 22:24 -
    loss: 0.4479 - acc: 0.7713
3261 139/620 [=====>.....] - ETA: 22:19 -
    loss: 0.4477 - acc: 0.7718
3262 140/620 [=====>.....] - ETA: 22:11 -
    loss: 0.4488 - acc: 0.7717
3263 141/620 [=====>.....] - ETA: 22:07 -
    loss: 0.4495 - acc: 0.7713
3264 142/620 [=====>.....] - ETA: 22:02 -
    loss: 0.4492 - acc: 0.7718
3265 143/620 [=====>.....] - ETA: 21:58 -
    loss: 0.4492 - acc: 0.7712
3266 144/620 [=====>.....] - ETA: 21:54 -
    loss: 0.4499 - acc: 0.7708
3267 145/620 [=====>.....] - ETA: 21:50 -
    loss: 0.4491 - acc: 0.7718
```

File - cnn_2D_model

```
3268 146/620 [=====>.....] - ETA: 21:46 -
    loss: 0.4486 - acc: 0.7720
3269 147/620 [=====>.....] - ETA: 21:42 -
    loss: 0.4485 - acc: 0.7721
3270 148/620 [=====>.....] - ETA: 21:41 -
    loss: 0.4484 - acc: 0.7717
3271 149/620 [=====>.....] - ETA: 21:38 -
    loss: 0.4474 - acc: 0.7722
3272 150/620 [=====>.....] - ETA: 21:35 -
    loss: 0.4473 - acc: 0.7717
3273 151/620 [=====>.....] - ETA: 21:31 -
    loss: 0.4496 - acc: 0.7709
3274 152/620 [=====>.....] - ETA: 21:34 -
    loss: 0.4503 - acc: 0.7701
3275 153/620 [=====>.....] - ETA: 21:36 -
    loss: 0.4497 - acc: 0.7708
3276 154/620 [=====>.....] - ETA: 21:35 -
    loss: 0.4487 - acc: 0.7713
3277 155/620 [=====>.....] - ETA: 21:36 -
    loss: 0.4485 - acc: 0.7720
3278 156/620 [=====>.....] - ETA: 21:33 -
    loss: 0.4479 - acc: 0.7722
3279 157/620 [=====>.....] - ETA: 21:30 -
    loss: 0.4483 - acc: 0.7719
3280 158/620 [=====>.....] - ETA: 21:27 -
    loss: 0.4483 - acc: 0.7722
3281 159/620 [=====>.....] - ETA: 21:24 -
    loss: 0.4485 - acc: 0.7722
3282 160/620 [=====>.....] - ETA: 21:17 -
    loss: 0.4496 - acc: 0.7715
3283 161/620 [=====>.....] - ETA: 21:13 -
    loss: 0.4495 - acc: 0.7718
3284 162/620 [=====>.....] - ETA: 21:10 -
    loss: 0.4489 - acc: 0.7719
3285 163/620 [=====>.....] - ETA: 21:07 -
    loss: 0.4484 - acc: 0.7721
3286 164/620 [=====>.....] - ETA: 21:04 -
    loss: 0.4481 - acc: 0.7725
3287 165/620 [=====>.....] - ETA: 21:01 -
    loss: 0.4478 - acc: 0.7726
3288 166/620 [=====>.....] - ETA: 20:58 -
    loss: 0.4482 - acc: 0.7727
3289 167/620 [=====>.....] - ETA: 20:57 -
    loss: 0.4483 - acc: 0.7725
3290 168/620 [=====>.....] - ETA: 20:56 -
```

```
3290 loss: 0.4488 - acc: 0.7722
3291 169/620 [=====>.....] - ETA: 20:56 -
    loss: 0.4483 - acc: 0.7726
3292 170/620 [=====>.....] - ETA: 20:56 -
    loss: 0.4479 - acc: 0.7729
3293 171/620 [=====>.....] - ETA: 20:56 -
    loss: 0.4485 - acc: 0.7729
3294 172/620 [=====>.....] - ETA: 20:54 -
    loss: 0.4480 - acc: 0.7731
3295 173/620 [=====>.....] - ETA: 20:51 -
    loss: 0.4480 - acc: 0.7728
3296 174/620 [=====>.....] - ETA: 20:49 -
    loss: 0.4474 - acc: 0.7734
3297 175/620 [=====>.....] - ETA: 20:46 -
    loss: 0.4476 - acc: 0.7727
3298 176/620 [=====>.....] - ETA: 20:44 -
    loss: 0.4481 - acc: 0.7721
3299 177/620 [=====>.....] - ETA: 20:41 -
    loss: 0.4481 - acc: 0.7727
3300 178/620 [=====>.....] - ETA: 20:37 -
    loss: 0.4485 - acc: 0.7722
3301 179/620 [=====>.....] - ETA: 20:34 -
    loss: 0.4485 - acc: 0.7717
3302 180/620 [=====>.....] - ETA: 20:28 -
    loss: 0.4484 - acc: 0.7720
3303 181/620 [=====>.....] - ETA: 20:25 -
    loss: 0.4484 - acc: 0.7724
3304 182/620 [=====>.....] - ETA: 20:22 -
    loss: 0.4483 - acc: 0.7723
3305 183/620 [=====>.....] - ETA: 20:18 -
    loss: 0.4485 - acc: 0.7727
3306 184/620 [=====>.....] - ETA: 20:15 -
    loss: 0.4486 - acc: 0.7726
3307 185/620 [=====>.....] - ETA: 20:12 -
    loss: 0.4485 - acc: 0.7728
3308 186/620 [=====>.....] - ETA: 20:09 -
    loss: 0.4486 - acc: 0.7727
3309 187/620 [=====>.....] - ETA: 20:06 -
    loss: 0.4483 - acc: 0.7727
3310 188/620 [=====>.....] - ETA: 20:03 -
    loss: 0.4487 - acc: 0.7724
3311 189/620 [=====>.....] - ETA: 20:01 -
    loss: 0.4491 - acc: 0.7720
3312 190/620 [=====>.....] - ETA: 19:58 -
    loss: 0.4491 - acc: 0.7725
```

File - cnn_2D_model

```
3313 191/620 [=====>.....] - ETA: 19:56 -
    loss: 0.4490 - acc: 0.7727
3314 192/620 [=====>.....] - ETA: 19:53 -
    loss: 0.4491 - acc: 0.7728
3315 193/620 [=====>.....] - ETA: 19:52 -
    loss: 0.4494 - acc: 0.7727
3316 194/620 [=====>.....] - ETA: 19:49 -
    loss: 0.4497 - acc: 0.7724
3317 195/620 [=====>.....] - ETA: 19:47 -
    loss: 0.4494 - acc: 0.7724
3318 196/620 [=====>.....] - ETA: 19:46 -
    loss: 0.4499 - acc: 0.7718
3319 197/620 [=====>.....] - ETA: 19:43 -
    loss: 0.4500 - acc: 0.7717
3320 198/620 [=====>.....] - ETA: 19:41 -
    loss: 0.4501 - acc: 0.7716
3321 199/620 [=====>.....] - ETA: 19:39 -
    loss: 0.4498 - acc: 0.7718
3322 200/620 [=====>.....] - ETA: 19:33 -
    loss: 0.4495 - acc: 0.7721
3323 201/620 [=====>.....] - ETA: 19:29 -
    loss: 0.4497 - acc: 0.7716
3324 202/620 [=====>.....] - ETA: 19:26 -
    loss: 0.4499 - acc: 0.7713
3325 203/620 [=====>.....] - ETA: 19:23 -
    loss: 0.4494 - acc: 0.7718
3326 204/620 [=====>.....] - ETA: 19:19 -
    loss: 0.4495 - acc: 0.7719
3327 205/620 [=====>.....] - ETA: 19:16 -
    loss: 0.4492 - acc: 0.7721
3328 206/620 [=====>.....] - ETA: 19:13 -
    loss: 0.4494 - acc: 0.7719
3329 207/620 [=====>.....] - ETA: 19:09 -
    loss: 0.4492 - acc: 0.7720
3330 208/620 [=====>.....] - ETA: 19:06 -
    loss: 0.4492 - acc: 0.7719
3331 209/620 [=====>.....] - ETA: 19:03 -
    loss: 0.4488 - acc: 0.7721
3332 210/620 [=====>.....] - ETA: 19:01 -
    loss: 0.4482 - acc: 0.7726
3333 211/620 [=====>.....] - ETA: 18:58 -
    loss: 0.4483 - acc: 0.7725
3334 212/620 [=====>.....] - ETA: 18:57 -
    loss: 0.4478 - acc: 0.7729
3335 213/620 [=====>.....] - ETA: 18:55 -
```

```
3335 loss: 0.4470 - acc: 0.7737
3336 214/620 [=====>.....] - ETA: 18:52 -
    loss: 0.4464 - acc: 0.7739
3337 215/620 [=====>.....] - ETA: 18:52 -
    loss: 0.4471 - acc: 0.7735
3338 216/620 [=====>.....] - ETA: 18:51 -
    loss: 0.4473 - acc: 0.7732
3339 217/620 [=====>.....] - ETA: 18:48 -
    loss: 0.4480 - acc: 0.7731
3340 218/620 [=====>.....] - ETA: 18:46 -
    loss: 0.4479 - acc: 0.7735
3341 219/620 [=====>.....] - ETA: 18:43 -
    loss: 0.4488 - acc: 0.7729
3342 220/620 [=====>.....] - ETA: 18:38 -
    loss: 0.4496 - acc: 0.7724
3343 221/620 [=====>.....] - ETA: 18:36 -
    loss: 0.4501 - acc: 0.7719
3344 222/620 [=====>.....] - ETA: 18:34 -
    loss: 0.4497 - acc: 0.7720
3345 223/620 [=====>.....] - ETA: 18:31 -
    loss: 0.4493 - acc: 0.7723
3346 224/620 [=====>.....] - ETA: 18:28 -
    loss: 0.4490 - acc: 0.7723
3347 225/620 [=====>.....] - ETA: 18:25 -
    loss: 0.4489 - acc: 0.7722
3348 226/620 [=====>.....] - ETA: 18:22 -
    loss: 0.4493 - acc: 0.7716
3349 227/620 [=====>.....] - ETA: 18:19 -
    loss: 0.4500 - acc: 0.7711
3350 228/620 [=====>.....] - ETA: 18:17 -
    loss: 0.4501 - acc: 0.7707
3351 229/620 [=====>.....] - ETA: 18:14 -
    loss: 0.4501 - acc: 0.7706
3352 230/620 [=====>.....] - ETA: 18:12 -
    loss: 0.4501 - acc: 0.7707
3353 231/620 [=====>.....] - ETA: 18:10 -
    loss: 0.4498 - acc: 0.7714
3354 232/620 [=====>.....] - ETA: 18:08 -
    loss: 0.4496 - acc: 0.7713
3355 233/620 [=====>.....] - ETA: 18:05 -
    loss: 0.4495 - acc: 0.7715
3356 234/620 [=====>.....] - ETA: 18:03 -
    loss: 0.4493 - acc: 0.7718
3357 235/620 [=====>.....] - ETA: 18:00 -
    loss: 0.4493 - acc: 0.7717
```

File - cnn_2D_model

```
3358 236/620 [=====>.....] - ETA: 17:58 -
    loss: 0.4491 - acc: 0.7718
3359 237/620 [=====>.....] - ETA: 17:55 -
    loss: 0.4496 - acc: 0.7718
3360 238/620 [=====>.....] - ETA: 17:53 -
    loss: 0.4495 - acc: 0.7719
3361 239/620 [=====>.....] - ETA: 17:51 -
    loss: 0.4496 - acc: 0.7718
3362 240/620 [=====>.....] - ETA: 17:46 -
    loss: 0.4490 - acc: 0.7724
3363 241/620 [=====>.....] - ETA: 17:43 -
    loss: 0.4493 - acc: 0.7722
3364 242/620 [=====>.....] - ETA: 17:40 -
    loss: 0.4492 - acc: 0.7725
3365 243/620 [=====>.....] - ETA: 17:37 -
    loss: 0.4491 - acc: 0.7727
3366 244/620 [=====>.....] - ETA: 17:35 -
    loss: 0.4489 - acc: 0.7727
3367 245/620 [=====>.....] - ETA: 17:32 -
    loss: 0.4490 - acc: 0.7725
3368 246/620 [=====>.....] - ETA: 17:29 -
    loss: 0.4489 - acc: 0.7725
3369 247/620 [=====>.....] - ETA: 17:25 -
    loss: 0.4493 - acc: 0.7723
3370 248/620 [=====>.....] - ETA: 17:22 -
    loss: 0.4490 - acc: 0.7727
3371 249/620 [=====>.....] - ETA: 17:19 -
    loss: 0.4487 - acc: 0.7725
3372 250/620 [=====>.....] - ETA: 17:15 -
    loss: 0.4484 - acc: 0.7727
3373 251/620 [=====>.....] - ETA: 17:12 -
    loss: 0.4481 - acc: 0.7728
3374 252/620 [=====>.....] - ETA: 17:08 -
    loss: 0.4475 - acc: 0.7731
3375 253/620 [=====>.....] - ETA: 17:06 -
    loss: 0.4481 - acc: 0.7728
3376 254/620 [=====>.....] - ETA: 17:03 -
    loss: 0.4480 - acc: 0.7728
3377 255/620 [=====>.....] - ETA: 17:00 -
    loss: 0.4483 - acc: 0.7722
3378 256/620 [=====>.....] - ETA: 16:58 -
    loss: 0.4486 - acc: 0.7725
3379 257/620 [=====>.....] - ETA: 16:58 -
    loss: 0.4486 - acc: 0.7727
3380 258/620 [=====>.....] - ETA: 16:55 -
```

```
3380 loss: 0.4488 - acc: 0.7726
3381 259/620 [=====>.....] - ETA: 16:51 -
    loss: 0.4489 - acc: 0.7725
3382 260/620 [=====>.....] - ETA: 16:46 -
    loss: 0.4486 - acc: 0.7724
3383 261/620 [=====>.....] - ETA: 16:43 -
    loss: 0.4485 - acc: 0.7724
3384 262/620 [=====>.....] - ETA: 16:40 -
    loss: 0.4481 - acc: 0.7727
3385 263/620 [=====>.....] - ETA: 16:37 -
    loss: 0.4476 - acc: 0.7733
3386 264/620 [=====>.....] - ETA: 16:34 -
    loss: 0.4473 - acc: 0.7734
3387 265/620 [=====>.....] - ETA: 16:31 -
    loss: 0.4470 - acc: 0.7735
3388 266/620 [=====>.....] - ETA: 16:28 -
    loss: 0.4471 - acc: 0.7733
3389 267/620 [=====>.....] - ETA: 16:25 -
    loss: 0.4475 - acc: 0.7731
3390 268/620 [=====>.....] - ETA: 16:22 -
    loss: 0.4472 - acc: 0.7731
3391 269/620 [=====>.....] - ETA: 16:19 -
    loss: 0.4474 - acc: 0.7732
3392 270/620 [=====>.....] - ETA: 16:16 -
    loss: 0.4468 - acc: 0.7736
3393 271/620 [=====>.....] - ETA: 16:13 -
    loss: 0.4469 - acc: 0.7734
3394 272/620 [=====>.....] - ETA: 16:09 -
    loss: 0.4469 - acc: 0.7734
3395 273/620 [=====>.....] - ETA: 16:06 -
    loss: 0.4473 - acc: 0.7730
3396 274/620 [=====>.....] - ETA: 16:03 -
    loss: 0.4474 - acc: 0.7727
3397 275/620 [=====>.....] - ETA: 16:00 -
    loss: 0.4474 - acc: 0.7728
3398 276/620 [=====>.....] - ETA: 15:56 -
    loss: 0.4474 - acc: 0.7725
3399 277/620 [=====>.....] - ETA: 15:53 -
    loss: 0.4472 - acc: 0.7723
3400 278/620 [=====>.....] - ETA: 15:50 -
    loss: 0.4469 - acc: 0.7724
3401 279/620 [=====>.....] - ETA: 15:47 -
    loss: 0.4473 - acc: 0.7721
3402 280/620 [=====>.....] - ETA: 15:42 -
    loss: 0.4477 - acc: 0.7717
```

File - cnn_2D_model

```
3403 281/620 [=====>.....] - ETA: 15:39 -
    loss: 0.4481 - acc: 0.7715
3404 282/620 [=====>.....] - ETA: 15:36 -
    loss: 0.4478 - acc: 0.7718
3405 283/620 [=====>.....] - ETA: 15:33 -
    loss: 0.4481 - acc: 0.7715
3406 284/620 [=====>.....] - ETA: 15:30 -
    loss: 0.4482 - acc: 0.7718
3407 285/620 [=====>.....] - ETA: 15:27 -
    loss: 0.4482 - acc: 0.7716
3408 286/620 [=====>.....] - ETA: 15:25 -
    loss: 0.4485 - acc: 0.7715
3409 287/620 [=====>.....] - ETA: 15:23 -
    loss: 0.4481 - acc: 0.7716
3410 288/620 [=====>.....] - ETA: 15:22 -
    loss: 0.4480 - acc: 0.7714
3411 289/620 [=====>.....] - ETA: 15:19 -
    loss: 0.4483 - acc: 0.7710
3412 290/620 [=====>.....] - ETA: 15:17 -
    loss: 0.4481 - acc: 0.7713
3413 291/620 [=====>.....] - ETA: 15:15 -
    loss: 0.4479 - acc: 0.7714
3414 292/620 [=====>.....] - ETA: 15:13 -
    loss: 0.4480 - acc: 0.7715
3415 293/620 [=====>.....] - ETA: 15:10 -
    loss: 0.4482 - acc: 0.7713
3416 294/620 [=====>.....] - ETA: 15:07 -
    loss: 0.4484 - acc: 0.7710
3417 295/620 [=====>.....] - ETA: 15:05 -
    loss: 0.4482 - acc: 0.7713
3418 296/620 [=====>.....] - ETA: 15:02 -
    loss: 0.4478 - acc: 0.7716
3419 297/620 [=====>.....] - ETA: 15:00 -
    loss: 0.4481 - acc: 0.7713
3420 298/620 [=====>.....] - ETA: 14:57 -
    loss: 0.4488 - acc: 0.7708
3421 299/620 [=====>.....] - ETA: 14:54 -
    loss: 0.4485 - acc: 0.7710
3422 300/620 [=====>.....] - ETA: 14:50 -
    loss: 0.4480 - acc: 0.7717
3423 301/620 [=====>.....] - ETA: 14:48 -
    loss: 0.4477 - acc: 0.7720
3424 302/620 [=====>.....] - ETA: 14:45 -
    loss: 0.4478 - acc: 0.7718
3425 303/620 [=====>.....] - ETA: 14:43 -
```

```
3425 loss: 0.4480 - acc: 0.7717
3426 304/620 [=====>.....] - ETA: 14:41 -
    loss: 0.4480 - acc: 0.7719
3427 305/620 [=====>.....] - ETA: 14:38 -
    loss: 0.4479 - acc: 0.7717
3428 306/620 [=====>.....] - ETA: 14:35 -
    loss: 0.4484 - acc: 0.7713
3429 307/620 [=====>.....] - ETA: 14:32 -
    loss: 0.4488 - acc: 0.7711
3430 308/620 [=====>.....] - ETA: 14:29 -
    loss: 0.4483 - acc: 0.7715
3431 309/620 [=====>.....] - ETA: 14:26 -
    loss: 0.4487 - acc: 0.7712
3432 310/620 [=====>.....] - ETA: 14:23 -
    loss: 0.4483 - acc: 0.7715
3433 311/620 [=====>.....] - ETA: 14:20 -
    loss: 0.4482 - acc: 0.7716
3434 312/620 [=====>.....] - ETA: 14:17 -
    loss: 0.4481 - acc: 0.7714
3435 313/620 [=====>.....] - ETA: 14:14 -
    loss: 0.4482 - acc: 0.7713
3436 314/620 [=====>.....] - ETA: 14:11 -
    loss: 0.4487 - acc: 0.7708
3437 315/620 [=====>.....] - ETA: 14:08 -
    loss: 0.4487 - acc: 0.7709
3438 316/620 [=====>.....] - ETA: 14:05 -
    loss: 0.4483 - acc: 0.7710
3439 317/620 [=====>.....] - ETA: 14:02 -
    loss: 0.4481 - acc: 0.7712
3440 318/620 [=====>.....] - ETA: 13:59 -
    loss: 0.4484 - acc: 0.7709
3441 319/620 [=====>.....] - ETA: 13:56 -
    loss: 0.4483 - acc: 0.7711
3442 320/620 [=====>.....] - ETA: 13:52 -
    loss: 0.4488 - acc: 0.7708
3443 321/620 [=====>.....] - ETA: 13:49 -
    loss: 0.4488 - acc: 0.7708
3444 322/620 [=====>.....] - ETA: 13:46 -
    loss: 0.4488 - acc: 0.7708
3445 323/620 [=====>.....] - ETA: 13:44 -
    loss: 0.4490 - acc: 0.7705
3446 324/620 [=====>.....] - ETA: 13:41 -
    loss: 0.4488 - acc: 0.7704
3447 325/620 [=====>.....] - ETA: 13:38 -
    loss: 0.4484 - acc: 0.7709
```

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```
3448 326/620 [=====>.....] - ETA: 13:35 -
    loss: 0.4483 - acc: 0.7708
3449 327/620 [=====>.....] - ETA: 13:32 -
    loss: 0.4483 - acc: 0.7708
3450 328/620 [=====>.....] - ETA: 13:29 -
    loss: 0.4484 - acc: 0.7707
3451 329/620 [=====>.....] - ETA: 13:27 -
    loss: 0.4480 - acc: 0.7710
3452 330/620 [=====>.....] - ETA: 13:25 -
    loss: 0.4476 - acc: 0.7714
3453 331/620 [=====>.....] - ETA: 13:22 -
    loss: 0.4477 - acc: 0.7712
3454 332/620 [=====>.....] - ETA: 13:19 -
    loss: 0.4480 - acc: 0.7709
3455 333/620 [=====>.....] - ETA: 13:16 -
    loss: 0.4479 - acc: 0.7709
3456 334/620 [=====>.....] - ETA: 13:13 -
    loss: 0.4478 - acc: 0.7709
3457 335/620 [=====>.....] - ETA: 13:10 -
    loss: 0.4474 - acc: 0.7713
3458 336/620 [=====>.....] - ETA: 13:07 -
    loss: 0.4472 - acc: 0.7714
3459 337/620 [=====>.....] - ETA: 13:04 -
    loss: 0.4477 - acc: 0.7710
3460 338/620 [=====>.....] - ETA: 13:01 -
    loss: 0.4482 - acc: 0.7706
3461 339/620 [=====>.....] - ETA: 12:58 -
    loss: 0.4481 - acc: 0.7706
3462 340/620 [=====>.....] - ETA: 12:54 -
    loss: 0.4482 - acc: 0.7711
3463 341/620 [=====>.....] - ETA: 12:52 -
    loss: 0.4480 - acc: 0.7712
3464 342/620 [=====>.....] - ETA: 12:49 -
    loss: 0.4476 - acc: 0.7714
3465 343/620 [=====>.....] - ETA: 12:46 -
    loss: 0.4480 - acc: 0.7710
3466 344/620 [=====>.....] - ETA: 12:44 -
    loss: 0.4475 - acc: 0.7716
3467 345/620 [=====>.....] - ETA: 12:41 -
    loss: 0.4476 - acc: 0.7716
3468 346/620 [=====>.....] - ETA: 12:38 -
    loss: 0.4481 - acc: 0.7711
3469 347/620 [=====>.....] - ETA: 12:35 -
    loss: 0.4478 - acc: 0.7713
3470 348/620 [=====>.....] - ETA: 12:33 -
```

```
3470 loss: 0.4479 - acc: 0.7711
3471 349/620 [=====>.....] - ETA: 12:30 -
    loss: 0.4478 - acc: 0.7713
3472 350/620 [=====>.....] - ETA: 12:27 -
    loss: 0.4477 - acc: 0.7712
3473 351/620 [=====>.....] - ETA: 12:25 -
    loss: 0.4479 - acc: 0.7709
3474 352/620 [=====>.....] - ETA: 12:22 -
    loss: 0.4481 - acc: 0.7708
3475 353/620 [=====>.....] - ETA: 12:19 -
    loss: 0.4478 - acc: 0.7711
3476 354/620 [=====>.....] - ETA: 12:16 -
    loss: 0.4477 - acc: 0.7711
3477 355/620 [=====>.....] - ETA: 12:13 -
    loss: 0.4475 - acc: 0.7713
3478 356/620 [=====>.....] - ETA: 12:10 -
    loss: 0.4474 - acc: 0.7714
3479 357/620 [=====>.....] - ETA: 12:07 -
    loss: 0.4473 - acc: 0.7716
3480 358/620 [=====>.....] - ETA: 12:04 -
    loss: 0.4474 - acc: 0.7712
3481 359/620 [=====>.....] - ETA: 12:01 -
    loss: 0.4473 - acc: 0.7714
3482 360/620 [=====>.....] - ETA: 11:58 -
    loss: 0.4473 - acc: 0.7716
3483 361/620 [=====>.....] - ETA: 11:55 -
    loss: 0.4470 - acc: 0.7719
3484 362/620 [=====>.....] - ETA: 11:52 -
    loss: 0.4467 - acc: 0.7721
3485 363/620 [=====>.....] - ETA: 11:49 -
    loss: 0.4470 - acc: 0.7719
3486 364/620 [=====>.....] - ETA: 11:46 -
    loss: 0.4473 - acc: 0.7717
3487 365/620 [=====>.....] - ETA: 11:43 -
    loss: 0.4473 - acc: 0.7717
3488 366/620 [=====>.....] - ETA: 11:41 -
    loss: 0.4470 - acc: 0.7719
3489 367/620 [=====>.....] - ETA: 11:38 -
    loss: 0.4470 - acc: 0.7721
3490 368/620 [=====>.....] - ETA: 11:36 -
    loss: 0.4468 - acc: 0.7721
3491 369/620 [=====>.....] - ETA: 11:33 -
    loss: 0.4468 - acc: 0.7722
3492 370/620 [=====>.....] - ETA: 11:30 -
    loss: 0.4466 - acc: 0.7724
```

File - cnn_2D_model

```
3493 371/620 [=====>.....] - ETA: 11:27 -
    loss: 0.4465 - acc: 0.7722
3494 372/620 [=====>.....] - ETA: 11:24 -
    loss: 0.4462 - acc: 0.7724
3495 373/620 [=====>.....] - ETA: 11:22 -
    loss: 0.4463 - acc: 0.7725
3496 374/620 [=====>.....] - ETA: 11:19 -
    loss: 0.4461 - acc: 0.7725
3497 375/620 [=====>.....] - ETA: 11:16 -
    loss: 0.4463 - acc: 0.7723
3498 376/620 [=====>.....] - ETA: 11:13 -
    loss: 0.4463 - acc: 0.7721
3499 377/620 [=====>.....] - ETA: 11:11 -
    loss: 0.4462 - acc: 0.7721
3500 378/620 [=====>.....] - ETA: 11:08 -
    loss: 0.4462 - acc: 0.7723
3501 379/620 [=====>.....] - ETA: 11:05 -
    loss: 0.4458 - acc: 0.7727
3502 380/620 [=====>.....] - ETA: 11:01 -
    loss: 0.4458 - acc: 0.7728
3503 381/620 [=====>.....] - ETA: 10:58 -
    loss: 0.4458 - acc: 0.7727
3504 382/620 [=====>.....] - ETA: 10:56 -
    loss: 0.4458 - acc: 0.7728
3505 383/620 [=====>.....] - ETA: 10:54 -
    loss: 0.4456 - acc: 0.7728
3506 384/620 [=====>.....] - ETA: 10:51 -
    loss: 0.4454 - acc: 0.7731
3507 385/620 [=====>.....] - ETA: 10:48 -
    loss: 0.4453 - acc: 0.7733
3508 386/620 [=====>.....] - ETA: 10:45 -
    loss: 0.4453 - acc: 0.7733
3509 387/620 [=====>.....] - ETA: 10:42 -
    loss: 0.4455 - acc: 0.7731
3510 388/620 [=====>.....] - ETA: 10:40 -
    loss: 0.4453 - acc: 0.7732
3511 389/620 [=====>.....] - ETA: 10:37 -
    loss: 0.4455 - acc: 0.7731
3512 390/620 [=====>.....] - ETA: 10:34 -
    loss: 0.4454 - acc: 0.7732
3513 391/620 [=====>.....] - ETA: 10:31 -
    loss: 0.4451 - acc: 0.7736
3514 392/620 [=====>.....] - ETA: 10:28 -
    loss: 0.4450 - acc: 0.7735
3515 393/620 [=====>.....] - ETA: 10:25 -
```

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3515 loss: 0.4449 - acc: 0.7736
3516 394/620 [=====>.....] - ETA: 10:22 -
    loss: 0.4451 - acc: 0.7736
3517 395/620 [=====>.....] - ETA: 10:20 -
    loss: 0.4447 - acc: 0.7738
3518 396/620 [=====>.....] - ETA: 10:17 -
    loss: 0.4445 - acc: 0.7739
3519 397/620 [=====>.....] - ETA: 10:15 -
    loss: 0.4443 - acc: 0.7739
3520 398/620 [=====>.....] - ETA: 10:12 -
    loss: 0.4446 - acc: 0.7737
3521 399/620 [=====>.....] - ETA: 10:10 -
    loss: 0.4446 - acc: 0.7735
3522 400/620 [=====>.....] - ETA: 10:06 -
    loss: 0.4444 - acc: 0.7739
3523 401/620 [=====>.....] - ETA: 10:03 -
    loss: 0.4442 - acc: 0.7741
3524 402/620 [=====>.....] - ETA: 10:00 -
    loss: 0.4441 - acc: 0.7741
3525 403/620 [=====>.....] - ETA: 9:58 -
    loss: 0.4444 - acc: 0.7738
3526 404/620 [=====>.....] - ETA: 9:55 -
    loss: 0.4447 - acc: 0.7739
3527 405/620 [=====>.....] - ETA: 9:53 -
    loss: 0.4449 - acc: 0.7738
3528 406/620 [=====>.....] - ETA: 9:50 -
    loss: 0.4444 - acc: 0.7741
3529 407/620 [=====>.....] - ETA: 9:48 -
    loss: 0.4443 - acc: 0.7743
3530 408/620 [=====>.....] - ETA: 9:45 -
    loss: 0.4443 - acc: 0.7744
3531 409/620 [=====>.....] - ETA: 9:42 -
    loss: 0.4441 - acc: 0.7744
3532 410/620 [=====>.....] - ETA: 9:40 -
    loss: 0.4442 - acc: 0.7742
3533 411/620 [=====>.....] - ETA: 9:37 -
    loss: 0.4443 - acc: 0.7741
3534 412/620 [=====>.....] - ETA: 9:35 -
    loss: 0.4443 - acc: 0.7739
3535 413/620 [=====>.....] - ETA: 9:32 -
    loss: 0.4442 - acc: 0.7741
3536 414/620 [=====>.....] - ETA: 9:30 -
    loss: 0.4437 - acc: 0.7745
3537 415/620 [=====>.....] - ETA: 9:27 -
    loss: 0.4437 - acc: 0.7745
```

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3538 416/620 [=====>.....] - ETA: 9:24 -
    loss: 0.4439 - acc: 0.7746
3539 417/620 [=====>.....] - ETA: 9:22 -
    loss: 0.4439 - acc: 0.7746
3540 418/620 [=====>.....] - ETA: 9:19 -
    loss: 0.4438 - acc: 0.7746
3541 419/620 [=====>.....] - ETA: 9:16 -
    loss: 0.4439 - acc: 0.7748
3542 420/620 [=====>.....] - ETA: 9:13 -
    loss: 0.4442 - acc: 0.7741
3543 421/620 [=====>.....] - ETA: 9:10 -
    loss: 0.4440 - acc: 0.7744
3544 422/620 [=====>.....] - ETA: 9:07 -
    loss: 0.4438 - acc: 0.7747
3545 423/620 [=====>.....] - ETA: 9:04 -
    loss: 0.4436 - acc: 0.7749
3546 424/620 [=====>.....] - ETA: 9:02 -
    loss: 0.4438 - acc: 0.7750
3547 425/620 [=====>.....] - ETA: 8:59 -
    loss: 0.4433 - acc: 0.7754
3548 426/620 [=====>.....] - ETA: 8:56 -
    loss: 0.4433 - acc: 0.7754
3549 427/620 [=====>.....] - ETA: 8:54 -
    loss: 0.4433 - acc: 0.7752
3550 428/620 [=====>.....] - ETA: 8:51 -
    loss: 0.4433 - acc: 0.7750
3551 429/620 [=====>.....] - ETA: 8:48 -
    loss: 0.4432 - acc: 0.7750
3552 430/620 [=====>.....] - ETA: 8:45 -
    loss: 0.4432 - acc: 0.7750
3553 431/620 [=====>.....] - ETA: 8:43 -
    loss: 0.4436 - acc: 0.7748
3554 432/620 [=====>.....] - ETA: 8:40 -
    loss: 0.4437 - acc: 0.7749
3555 433/620 [=====>.....] - ETA: 8:37 -
    loss: 0.4435 - acc: 0.7750
3556 434/620 [=====>.....] - ETA: 8:34 -
    loss: 0.4433 - acc: 0.7752
3557 435/620 [=====>.....] - ETA: 8:31 -
    loss: 0.4433 - acc: 0.7751
3558 436/620 [=====>.....] - ETA: 8:28 -
    loss: 0.4434 - acc: 0.7752
3559 437/620 [=====>.....] - ETA: 8:26 -
    loss: 0.4435 - acc: 0.7750
3560 438/620 [=====>.....] - ETA: 8:23 -
```

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3560 loss: 0.4435 - acc: 0.7749
3561 439/620 [=====>.....] - ETA: 8:20 -
    loss: 0.4437 - acc: 0.7748
3562 440/620 [=====>.....] - ETA: 8:17 -
    loss: 0.4448 - acc: 0.7741
3563 441/620 [=====>.....] - ETA: 8:14 -
    loss: 0.4449 - acc: 0.7740
3564 442/620 [=====>.....] - ETA: 8:11 -
    loss: 0.4448 - acc: 0.7740
3565 443/620 [=====>.....] - ETA: 8:08 -
    loss: 0.4449 - acc: 0.7740
3566 444/620 [=====>.....] - ETA: 8:05 -
    loss: 0.4451 - acc: 0.7740
3567 445/620 [=====>.....] - ETA: 8:02 -
    loss: 0.4451 - acc: 0.7740
3568 446/620 [=====>.....] - ETA: 7:59 -
    loss: 0.4451 - acc: 0.7741
3569 447/620 [=====>.....] - ETA: 7:56 -
    loss: 0.4452 - acc: 0.7742
3570 448/620 [=====>.....] - ETA: 7:54 -
    loss: 0.4449 - acc: 0.7743
3571 449/620 [=====>.....] - ETA: 7:51 -
    loss: 0.4450 - acc: 0.7743
3572 450/620 [=====>.....] - ETA: 7:48 -
    loss: 0.4455 - acc: 0.7740
3573 451/620 [=====>.....] - ETA: 7:45 -
    loss: 0.4455 - acc: 0.7742
3574 452/620 [=====>.....] - ETA: 7:43 -
    loss: 0.4456 - acc: 0.7740
3575 453/620 [=====>.....] - ETA: 7:40 -
    loss: 0.4457 - acc: 0.7737
3576 454/620 [=====>.....] - ETA: 7:37 -
    loss: 0.4457 - acc: 0.7737
3577 455/620 [=====>.....] - ETA: 7:34 -
    loss: 0.4455 - acc: 0.7740
3578 456/620 [=====>.....] - ETA: 7:31 -
    loss: 0.4455 - acc: 0.7740
3579 457/620 [=====>.....] - ETA: 7:29 -
    loss: 0.4455 - acc: 0.7741
3580 458/620 [=====>.....] - ETA: 7:26 -
    loss: 0.4454 - acc: 0.7742
3581 459/620 [=====>.....] - ETA: 7:23 -
    loss: 0.4453 - acc: 0.7742
3582 460/620 [=====>.....] - ETA: 7:20 -
    loss: 0.4451 - acc: 0.7744
```

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3583 461/620 [=====>.....] - ETA: 7:17 -
    loss: 0.4453 - acc: 0.7744
3584 462/620 [=====>.....] - ETA: 7:15 -
    loss: 0.4454 - acc: 0.7743
3585 463/620 [=====>.....] - ETA: 7:12 -
    loss: 0.4454 - acc: 0.7742
3586 464/620 [=====>.....] - ETA: 7:09 -
    loss: 0.4452 - acc: 0.7744
3587 465/620 [=====>.....] - ETA: 7:06 -
    loss: 0.4451 - acc: 0.7744
3588 466/620 [=====>.....] - ETA: 7:03 -
    loss: 0.4450 - acc: 0.7746
3589 467/620 [=====>.....] - ETA: 7:00 -
    loss: 0.4450 - acc: 0.7745
3590 468/620 [=====>.....] - ETA: 6:58 -
    loss: 0.4450 - acc: 0.7746
3591 469/620 [=====>.....] - ETA: 6:55 -
    loss: 0.4449 - acc: 0.7746
3592 470/620 [=====>.....] - ETA: 6:52 -
    loss: 0.4451 - acc: 0.7745
3593 471/620 [=====>.....] - ETA: 6:49 -
    loss: 0.4451 - acc: 0.7746
3594 472/620 [=====>.....] - ETA: 6:46 -
    loss: 0.4450 - acc: 0.7747
3595 473/620 [=====>.....] - ETA: 6:43 -
    loss: 0.4447 - acc: 0.7750
3596 474/620 [=====>.....] - ETA: 6:41 -
    loss: 0.4449 - acc: 0.7748
3597 475/620 [=====>.....] - ETA: 6:38 -
    loss: 0.4447 - acc: 0.7751
3598 476/620 [=====>.....] - ETA: 6:35 -
    loss: 0.4444 - acc: 0.7751
3599 477/620 [=====>.....] - ETA: 6:32 -
    loss: 0.4445 - acc: 0.7751
3600 478/620 [=====>.....] - ETA: 6:29 -
    loss: 0.4443 - acc: 0.7752
3601 479/620 [=====>.....] - ETA: 6:26 -
    loss: 0.4441 - acc: 0.7754
3602 480/620 [=====>.....] - ETA: 6:23 -
    loss: 0.4442 - acc: 0.7755
3603 481/620 [=====>.....] - ETA: 6:20 -
    loss: 0.4444 - acc: 0.7754
3604 482/620 [=====>.....] - ETA: 6:18 -
    loss: 0.4443 - acc: 0.7754
3605 483/620 [=====>.....] - ETA: 6:15 -
```

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3605 loss: 0.4439 - acc: 0.7758
3606 484/620 [=====>.....] - ETA: 6:12 -
    loss: 0.4439 - acc: 0.7757
3607 485/620 [=====>.....] - ETA: 6:09 -
    loss: 0.4437 - acc: 0.7757
3608 486/620 [=====>.....] - ETA: 6:07 -
    loss: 0.4435 - acc: 0.7759
3609 487/620 [=====>.....] - ETA: 6:04 -
    loss: 0.4437 - acc: 0.7756
3610 488/620 [=====>.....] - ETA: 6:01 -
    loss: 0.4435 - acc: 0.7756
3611 489/620 [=====>.....] - ETA: 5:58 -
    loss: 0.4434 - acc: 0.7756
3612 490/620 [=====>.....] - ETA: 5:56 -
    loss: 0.4436 - acc: 0.7755
3613 491/620 [=====>.....] - ETA: 5:53 -
    loss: 0.4434 - acc: 0.7755
3614 492/620 [=====>.....] - ETA: 5:51 -
    loss: 0.4433 - acc: 0.7757
3615 493/620 [=====>.....] - ETA: 5:48 -
    loss: 0.4434 - acc: 0.7754
3616 494/620 [=====>.....] - ETA: 5:45 -
    loss: 0.4435 - acc: 0.7754
3617 495/620 [=====>.....] - ETA: 5:43 -
    loss: 0.4435 - acc: 0.7755
3618 496/620 [=====>.....] - ETA: 5:40 -
    loss: 0.4435 - acc: 0.7757
3619 497/620 [=====>.....] - ETA: 5:37 -
    loss: 0.4438 - acc: 0.7756
3620 498/620 [=====>.....] - ETA: 5:34 -
    loss: 0.4441 - acc: 0.7754
3621 499/620 [=====>.....] - ETA: 5:32 -
    loss: 0.4440 - acc: 0.7754
3622 500/620 [=====>.....] - ETA: 5:28 -
    loss: 0.4440 - acc: 0.7754
3623 501/620 [=====>.....] - ETA: 5:26 -
    loss: 0.4439 - acc: 0.7756
3624 502/620 [=====>.....] - ETA: 5:23 -
    loss: 0.4438 - acc: 0.7757
3625 503/620 [=====>.....] - ETA: 5:20 -
    loss: 0.4436 - acc: 0.7757
3626 504/620 [=====>.....] - ETA: 5:17 -
    loss: 0.4434 - acc: 0.7759
3627 505/620 [=====>.....] - ETA: 5:15 -
    loss: 0.4432 - acc: 0.7761
```

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3628 506/620 [=====>.....] - ETA: 5:12 -
    loss: 0.4434 - acc: 0.7760
3629 507/620 [=====>.....] - ETA: 5:09 -
    loss: 0.4434 - acc: 0.7757
3630 508/620 [=====>.....] - ETA: 5:06 -
    loss: 0.4434 - acc: 0.7755
3631 509/620 [=====>.....] - ETA: 5:03 -
    loss: 0.4433 - acc: 0.7756
3632 510/620 [=====>.....] - ETA: 5:01 -
    loss: 0.4434 - acc: 0.7754
3633 511/620 [=====>.....] - ETA: 4:58 -
    loss: 0.4433 - acc: 0.7755
3634 512/620 [=====>.....] - ETA: 4:55 -
    loss: 0.4431 - acc: 0.7758
3635 513/620 [=====>.....] - ETA: 4:52 -
    loss: 0.4431 - acc: 0.7759
3636 514/620 [=====>.....] - ETA: 4:50 -
    loss: 0.4432 - acc: 0.7757
3637 515/620 [=====>.....] - ETA: 4:47 -
    loss: 0.4431 - acc: 0.7758
3638 516/620 [=====>.....] - ETA: 4:44 -
    loss: 0.4429 - acc: 0.7759
3639 517/620 [=====>.....] - ETA: 4:42 -
    loss: 0.4428 - acc: 0.7759
3640 518/620 [=====>.....] - ETA: 4:39 -
    loss: 0.4430 - acc: 0.7757
3641 519/620 [=====>.....] - ETA: 4:36 -
    loss: 0.4429 - acc: 0.7760
3642 520/620 [=====>.....] - ETA: 4:33 -
    loss: 0.4432 - acc: 0.7759
3643 521/620 [=====>.....] - ETA: 4:30 -
    loss: 0.4430 - acc: 0.7759
3644 522/620 [=====>.....] - ETA: 4:28 -
    loss: 0.4428 - acc: 0.7759
3645 523/620 [=====>.....] - ETA: 4:25 -
    loss: 0.4431 - acc: 0.7758
3646 524/620 [=====>.....] - ETA: 4:22 -
    loss: 0.4430 - acc: 0.7759
3647 525/620 [=====>.....] - ETA: 4:19 -
    loss: 0.4428 - acc: 0.7762
3648 526/620 [=====>.....] - ETA: 4:17 -
    loss: 0.4428 - acc: 0.7763
3649 527/620 [=====>.....] - ETA: 4:14 -
    loss: 0.4429 - acc: 0.7762
3650 528/620 [=====>.....] - ETA: 4:12 -
```

```
3650 loss: 0.4428 - acc: 0.7762
3651 529/620 [=====>.....] - ETA: 4:09 -
    loss: 0.4428 - acc: 0.7761
3652 530/620 [=====>.....] - ETA: 4:06 -
    loss: 0.4429 - acc: 0.7760
3653 531/620 [=====>.....] - ETA: 4:04 -
    loss: 0.4426 - acc: 0.7763
3654 532/620 [=====>.....] - ETA: 4:01 -
    loss: 0.4429 - acc: 0.7762
3655 533/620 [=====>.....] - ETA: 3:58 -
    loss: 0.4427 - acc: 0.7762
3656 534/620 [=====>.....] - ETA: 3:55 -
    loss: 0.4427 - acc: 0.7761
3657 535/620 [=====>.....] - ETA: 3:53 -
    loss: 0.4427 - acc: 0.7762
3658 536/620 [=====>.....] - ETA: 3:50 -
    loss: 0.4424 - acc: 0.7765
3659 537/620 [=====>.....] - ETA: 3:47 -
    loss: 0.4425 - acc: 0.7764
3660 538/620 [=====>....] - ETA: 3:45 -
    loss: 0.4423 - acc: 0.7766
3661 539/620 [=====>....] - ETA: 3:42 -
    loss: 0.4422 - acc: 0.7766
3662 540/620 [=====>....] - ETA: 3:39 -
    loss: 0.4423 - acc: 0.7764
3663 541/620 [=====>....] - ETA: 3:36 -
    loss: 0.4425 - acc: 0.7761
3664 542/620 [=====>....] - ETA: 3:34 -
    loss: 0.4426 - acc: 0.7760
3665 543/620 [=====>....] - ETA: 3:31 -
    loss: 0.4426 - acc: 0.7760
3666 544/620 [=====>....] - ETA: 3:28 -
    loss: 0.4432 - acc: 0.7758
3667 545/620 [=====>....] - ETA: 3:25 -
    loss: 0.4428 - acc: 0.7761
3668 546/620 [=====>....] - ETA: 3:23 -
    loss: 0.4427 - acc: 0.7761
3669 547/620 [=====>....] - ETA: 3:20 -
    loss: 0.4425 - acc: 0.7762
3670 548/620 [=====>....] - ETA: 3:17 -
    loss: 0.4424 - acc: 0.7762
3671 549/620 [=====>....] - ETA: 3:15 -
    loss: 0.4424 - acc: 0.7763
3672 550/620 [=====>....] - ETA: 3:12 -
    loss: 0.4424 - acc: 0.7761
```

```
3673 551/620 [=====>....] - ETA: 3:09 -
    loss: 0.4424 - acc: 0.7762
3674 552/620 [=====>....] - ETA: 3:06 -
    loss: 0.4425 - acc: 0.7761
3675 553/620 [=====>....] - ETA: 3:04 -
    loss: 0.4424 - acc: 0.7761
3676 554/620 [=====>....] - ETA: 3:01 -
    loss: 0.4423 - acc: 0.7762
3677 555/620 [=====>....] - ETA: 2:58 -
    loss: 0.4420 - acc: 0.7764
3678 556/620 [=====>....] - ETA: 2:55 -
    loss: 0.4422 - acc: 0.7764
3679 557/620 [=====>....] - ETA: 2:52 -
    loss: 0.4422 - acc: 0.7764
3680 558/620 [=====>...] - ETA: 2:50 -
    loss: 0.4423 - acc: 0.7762
3681 559/620 [=====>...] - ETA: 2:47 -
    loss: 0.4421 - acc: 0.7763
3682 560/620 [=====>...] - ETA: 2:44 -
    loss: 0.4420 - acc: 0.7764
3683 561/620 [=====>...] - ETA: 2:41 -
    loss: 0.4419 - acc: 0.7764
3684 562/620 [=====>...] - ETA: 2:38 -
    loss: 0.4416 - acc: 0.7765
3685 563/620 [=====>...] - ETA: 2:36 -
    loss: 0.4417 - acc: 0.7764
3686 564/620 [=====>...] - ETA: 2:33 -
    loss: 0.4414 - acc: 0.7766
3687 565/620 [=====>...] - ETA: 2:30 -
    loss: 0.4414 - acc: 0.7766
3688 566/620 [=====>...] - ETA: 2:27 -
    loss: 0.4414 - acc: 0.7766
3689 567/620 [=====>...] - ETA: 2:25 -
    loss: 0.4416 - acc: 0.7766
3690 568/620 [=====>...] - ETA: 2:22 -
    loss: 0.4415 - acc: 0.7765
3691 569/620 [=====>...] - ETA: 2:19 -
    loss: 0.4412 - acc: 0.7767
3692 570/620 [=====>...] - ETA: 2:16 -
    loss: 0.4415 - acc: 0.7766
3693 571/620 [=====>...] - ETA: 2:14 -
    loss: 0.4413 - acc: 0.7767
3694 572/620 [=====>...] - ETA: 2:11 -
    loss: 0.4412 - acc: 0.7766
3695 573/620 [=====>...] - ETA: 2:08 -
```

```
3695 loss: 0.4413 - acc: 0.7766
3696 574/620 [=====>...] - ETA: 2:05 -
    loss: 0.4412 - acc: 0.7766
3697 575/620 [=====>...] - ETA: 2:03 -
    loss: 0.4412 - acc: 0.7766
3698 576/620 [=====>...] - ETA: 2:00 -
    loss: 0.4413 - acc: 0.7765
3699 577/620 [=====>...] - ETA: 1:57 -
    loss: 0.4413 - acc: 0.7766
3700 578/620 [=====>...] - ETA: 1:54 -
    loss: 0.4413 - acc: 0.7766
3701 579/620 [=====>...] - ETA: 1:51 -
    loss: 0.4413 - acc: 0.7767
3702 580/620 [=====>...] - ETA: 1:49 -
    loss: 0.4413 - acc: 0.7768
3703 581/620 [=====>...] - ETA: 1:46 -
    loss: 0.4412 - acc: 0.7767
3704 582/620 [=====>...] - ETA: 1:43 -
    loss: 0.4410 - acc: 0.7768
3705 583/620 [=====>...] - ETA: 1:40 -
    loss: 0.4409 - acc: 0.7770
3706 584/620 [=====>...] - ETA: 1:38 -
    loss: 0.4409 - acc: 0.7770
3707 585/620 [=====>...] - ETA: 1:35 -
    loss: 0.4409 - acc: 0.7770
3708 586/620 [=====>...] - ETA: 1:32 -
    loss: 0.4410 - acc: 0.7768
3709 587/620 [=====>...] - ETA: 1:30 -
    loss: 0.4410 - acc: 0.7768
3710 588/620 [=====>...] - ETA: 1:27 -
    loss: 0.4410 - acc: 0.7769
3711 589/620 [=====>...] - ETA: 1:24 -
    loss: 0.4410 - acc: 0.7770
3712 590/620 [=====>...] - ETA: 1:21 -
    loss: 0.4411 - acc: 0.7769
3713 591/620 [=====>...] - ETA: 1:19 -
    loss: 0.4412 - acc: 0.7768
3714 592/620 [=====>...] - ETA: 1:16 -
    loss: 0.4411 - acc: 0.7768
3715 593/620 [=====>...] - ETA: 1:13 -
    loss: 0.4408 - acc: 0.7770
3716 594/620 [=====>...] - ETA: 1:11 -
    loss: 0.4409 - acc: 0.7769
3717 595/620 [=====>...] - ETA: 1:08 -
    loss: 0.4410 - acc: 0.7768
```

File - cnn_2D_model

```
3718 596/620 [=====>..] - ETA: 1:05 -
    loss: 0.4410 - acc: 0.7769
3719 597/620 [=====>..] - ETA: 1:02 -
    loss: 0.4409 - acc: 0.7770
3720 598/620 [=====>..] - ETA: 1:00 -
    loss: 0.4407 - acc: 0.7772
3721 599/620 [=====>..] - ETA: 57s -
    loss: 0.4408 - acc: 0.7771
3722 600/620 [=====>..] - ETA: 54s -
    loss: 0.4407 - acc: 0.7770
3723 601/620 [=====>..] - ETA: 51s -
    loss: 0.4406 - acc: 0.7772
3724 602/620 [=====>..] - ETA: 49s -
    loss: 0.4406 - acc: 0.7772
3725 603/620 [=====>..] - ETA: 46s -
    loss: 0.4403 - acc: 0.7775
3726 604/620 [=====>..] - ETA: 43s -
    loss: 0.4403 - acc: 0.7774
3727 605/620 [=====>..] - ETA: 40s -
    loss: 0.4402 - acc: 0.7775
3728 606/620 [=====>..] - ETA: 38s -
    loss: 0.4402 - acc: 0.7775
3729 607/620 [=====>..] - ETA: 35s -
    loss: 0.4401 - acc: 0.7776
3730 608/620 [=====>..] - ETA: 32s -
    loss: 0.4400 - acc: 0.7775
3731 609/620 [=====>..] - ETA: 29s -
    loss: 0.4401 - acc: 0.7775
3732 610/620 [=====>..] - ETA: 27s -
    loss: 0.4403 - acc: 0.7773
3733 611/620 [=====>..] - ETA: 24s -
    loss: 0.4401 - acc: 0.7774
3734 612/620 [=====>..] - ETA: 21s -
    loss: 0.4401 - acc: 0.7773
3735 613/620 [=====>..] - ETA: 19s -
    loss: 0.4403 - acc: 0.7771
3736 614/620 [=====>..] - ETA: 16s -
    loss: 0.4404 - acc: 0.7770
3737 615/620 [=====>..] - ETA: 13s -
    loss: 0.4405 - acc: 0.7770
3738 616/620 [=====>..] - ETA: 10s -
    loss: 0.4405 - acc: 0.7770
3739 617/620 [=====>..] - ETA: 8s -
    loss: 0.4406 - acc: 0.7770
3740 618/620 [=====>..] - ETA: 5s -
```

```
3740 loss: 0.4405 - acc: 0.7771
3741 619/620 [=====>..] - ETA: 2s -
    loss: 0.4404 - acc: 0.7772
3742 620/620 [=====] - 1726s 3s/step
    - loss: 0.4402 - acc: 0.7773 - val_loss: 0.5561 -
    val_acc: 0.7833
3743 Epoch 7/10
3744
3745 1/620 [.....] - ETA: 23:41 -
    loss: 0.3781 - acc: 0.8125
3746 2/620 [.....] - ETA: 23:44 -
    loss: 0.3952 - acc: 0.7969
3747 3/620 [.....] - ETA: 23:43 -
    loss: 0.3756 - acc: 0.8125
3748 4/620 [.....] - ETA: 23:46 -
    loss: 0.4066 - acc: 0.7578
3749 5/620 [.....] - ETA: 23:58 -
    loss: 0.4245 - acc: 0.7438
3750 6/620 [.....] - ETA: 23:57 -
    loss: 0.4234 - acc: 0.7552
3751 7/620 [.....] - ETA: 24:29 -
    loss: 0.4241 - acc: 0.7589
3752 8/620 [.....] - ETA: 24:26 -
    loss: 0.4324 - acc: 0.7539
3753 9/620 [.....] - ETA: 24:13 -
    loss: 0.4435 - acc: 0.7535
3754 10/620 [.....] - ETA: 24:04 -
    loss: 0.4244 - acc: 0.7688
3755 11/620 [.....] - ETA: 24:03 -
    loss: 0.4254 - acc: 0.7670
3756 12/620 [.....] - ETA: 23:55 -
    loss: 0.4234 - acc: 0.7708
3757 13/620 [.....] - ETA: 23:47 -
    loss: 0.4121 - acc: 0.7812
3758 14/620 [.....] - ETA: 23:42 -
    loss: 0.4022 - acc: 0.7879
3759 15/620 [.....] - ETA: 23:37 -
    loss: 0.4077 - acc: 0.7833
3760 16/620 [.....] - ETA: 23:34 -
    loss: 0.4123 - acc: 0.7754
3761 17/620 [.....] - ETA: 23:30 -
    loss: 0.4225 - acc: 0.7702
3762 18/620 [.....] - ETA: 23:25 -
    loss: 0.4148 - acc: 0.7760
3763 19/620 [.....] - ETA: 23:22 -
```

File - cnn_2D_model

```
3763 loss: 0.4217 - acc: 0.7747
3764 20/620 [.....] - ETA: 22:42 -
    loss: 0.4171 - acc: 0.7776
3765 21/620 [>.....] - ETA: 22:44 -
    loss: 0.4232 - acc: 0.7718
3766 22/620 [>.....] - ETA: 22:41 -
    loss: 0.4250 - acc: 0.7723
3767 23/620 [>.....] - ETA: 22:41 -
    loss: 0.4207 - acc: 0.7740
3768 24/620 [>.....] - ETA: 22:38 -
    loss: 0.4237 - acc: 0.7691
3769 25/620 [>.....] - ETA: 22:37 -
    loss: 0.4240 - acc: 0.7671
3770 26/620 [>.....] - ETA: 22:34 -
    loss: 0.4202 - acc: 0.7688
3771 27/620 [>.....] - ETA: 22:32 -
    loss: 0.4195 - acc: 0.7716
3772 28/620 [>.....] - ETA: 22:31 -
    loss: 0.4267 - acc: 0.7641
3773 29/620 [>.....] - ETA: 22:28 -
    loss: 0.4270 - acc: 0.7636
3774 30/620 [>.....] - ETA: 22:27 -
    loss: 0.4242 - acc: 0.7642
3775 31/620 [>.....] - ETA: 22:33 -
    loss: 0.4198 - acc: 0.7668
3776 32/620 [>.....] - ETA: 22:37 -
    loss: 0.4231 - acc: 0.7624
3777 33/620 [>.....] - ETA: 22:35 -
    loss: 0.4234 - acc: 0.7629
3778 34/620 [>.....] - ETA: 22:32 -
    loss: 0.4226 - acc: 0.7635
3779 35/620 [>.....] - ETA: 22:29 -
    loss: 0.4240 - acc: 0.7631
3780 36/620 [>.....] - ETA: 22:27 -
    loss: 0.4227 - acc: 0.7636
3781 37/620 [>.....] - ETA: 22:25 -
    loss: 0.4254 - acc: 0.7615
3782 38/620 [>.....] - ETA: 22:22 -
    loss: 0.4229 - acc: 0.7645
3783 39/620 [>.....] - ETA: 22:19 -
    loss: 0.4229 - acc: 0.7642
3784 40/620 [>.....] - ETA: 22:00 -
    loss: 0.4230 - acc: 0.7617
3785 41/620 [>.....] - ETA: 21:58 -
    loss: 0.4244 - acc: 0.7569
```

File - cnn_2D_model

```
3786 42/620 [=>.....] - ETA: 21:56 -
    loss: 0.4222 - acc: 0.7582
3787 43/620 [=>.....] - ETA: 21:54 -
    loss: 0.4260 - acc: 0.7565
3788 44/620 [=>.....] - ETA: 21:51 -
    loss: 0.4259 - acc: 0.7578
3789 45/620 [=>.....] - ETA: 21:51 -
    loss: 0.4266 - acc: 0.7576
3790 46/620 [=>.....] - ETA: 21:50 -
    loss: 0.4261 - acc: 0.7588
3791 47/620 [=>.....] - ETA: 21:48 -
    loss: 0.4248 - acc: 0.7613
3792 48/620 [=>.....] - ETA: 21:46 -
    loss: 0.4224 - acc: 0.7630
3793 49/620 [=>.....] - ETA: 21:45 -
    loss: 0.4225 - acc: 0.7628
3794 50/620 [=>.....] - ETA: 21:46 -
    loss: 0.4229 - acc: 0.7625
3795 51/620 [=>.....] - ETA: 21:45 -
    loss: 0.4216 - acc: 0.7635
3796 52/620 [=>.....] - ETA: 21:45 -
    loss: 0.4219 - acc: 0.7638
3797 53/620 [=>.....] - ETA: 21:43 -
    loss: 0.4206 - acc: 0.7647
3798 54/620 [=>.....] - ETA: 21:47 -
    loss: 0.4211 - acc: 0.7645
3799 55/620 [=>.....] - ETA: 21:47 -
    loss: 0.4206 - acc: 0.7653
3800 56/620 [=>.....] - ETA: 21:45 -
    loss: 0.4206 - acc: 0.7656
3801 57/620 [=>.....] - ETA: 21:44 -
    loss: 0.4206 - acc: 0.7675
3802 58/620 [=>.....] - ETA: 21:45 -
    loss: 0.4190 - acc: 0.7683
3803 59/620 [=>.....] - ETA: 21:43 -
    loss: 0.4189 - acc: 0.7691
3804 60/620 [=>.....] - ETA: 21:30 -
    loss: 0.4182 - acc: 0.7701
3805 61/620 [=>.....] - ETA: 21:27 -
    loss: 0.4171 - acc: 0.7713
3806 62/620 ==>..... - ETA: 21:26 -
    loss: 0.4164 - acc: 0.7725
3807 63/620 ==>..... - ETA: 21:24 -
    loss: 0.4160 - acc: 0.7731
3808 64/620 ==>..... - ETA: 21:21 -
```

File - cnn_2D_model

```
3808 loss: 0.4160 - acc: 0.7728
3809 65/620 [==>.....] - ETA: 21:19 -
    loss: 0.4146 - acc: 0.7744
3810 66/620 [==>.....] - ETA: 21:17 -
    loss: 0.4147 - acc: 0.7730
3811 67/620 [==>.....] - ETA: 21:14 -
    loss: 0.4157 - acc: 0.7718
3812 68/620 [==>.....] - ETA: 21:12 -
    loss: 0.4150 - acc: 0.7724
3813 69/620 [==>.....] - ETA: 21:10 -
    loss: 0.4150 - acc: 0.7720
3814 70/620 [==>.....] - ETA: 21:08 -
    loss: 0.4144 - acc: 0.7731
3815 71/620 [==>.....] - ETA: 21:07 -
    loss: 0.4148 - acc: 0.7727
3816 72/620 [==>.....] - ETA: 21:05 -
    loss: 0.4140 - acc: 0.7737
3817 73/620 [==>.....] - ETA: 21:02 -
    loss: 0.4138 - acc: 0.7730
3818 74/620 [==>.....] - ETA: 21:00 -
    loss: 0.4133 - acc: 0.7735
3819 75/620 [==>.....] - ETA: 20:58 -
    loss: 0.4133 - acc: 0.7736
3820 76/620 [==>.....] - ETA: 20:55 -
    loss: 0.4137 - acc: 0.7737
3821 77/620 [==>.....] - ETA: 20:53 -
    loss: 0.4156 - acc: 0.7718
3822 78/620 [==>.....] - ETA: 20:52 -
    loss: 0.4163 - acc: 0.7707
3823 79/620 [==>.....] - ETA: 20:49 -
    loss: 0.4159 - acc: 0.7712
3824 80/620 [==>.....] - ETA: 20:39 -
    loss: 0.4169 - acc: 0.7720
3825 81/620 [==>.....] - ETA: 20:38 -
    loss: 0.4174 - acc: 0.7721
3826 82/620 [==>.....] - ETA: 20:36 -
    loss: 0.4172 - acc: 0.7734
3827 83/620 [==>.....] - ETA: 20:36 -
    loss: 0.4165 - acc: 0.7735
3828 84/620 [==>.....] - ETA: 20:36 -
    loss: 0.4173 - acc: 0.7739
3829 85/620 [==>.....] - ETA: 20:34 -
    loss: 0.4166 - acc: 0.7744
3830 86/620 [==>.....] - ETA: 20:31 -
    loss: 0.4158 - acc: 0.7756
```

File - cnn_2D_model

```
3831 87/620 [==>.....] - ETA: 20:29 -
    loss: 0.4160 - acc: 0.7745
3832 88/620 [==>.....] - ETA: 20:27 -
    loss: 0.4164 - acc: 0.7739
3833 89/620 [==>.....] - ETA: 20:24 -
    loss: 0.4158 - acc: 0.7747
3834 90/620 [==>.....] - ETA: 20:21 -
    loss: 0.4165 - acc: 0.7741
3835 91/620 [==>.....] - ETA: 20:19 -
    loss: 0.4168 - acc: 0.7735
3836 92/620 [==>.....] - ETA: 20:17 -
    loss: 0.4160 - acc: 0.7739
3837 93/620 [==>.....] - ETA: 20:14 -
    loss: 0.4160 - acc: 0.7740
3838 94/620 [==>.....] - ETA: 20:12 -
    loss: 0.4152 - acc: 0.7750
3839 95/620 [==>.....] - ETA: 20:10 -
    loss: 0.4160 - acc: 0.7741
3840 96/620 [==>.....] - ETA: 20:08 -
    loss: 0.4158 - acc: 0.7735
3841 97/620 [==>.....] - ETA: 20:06 -
    loss: 0.4174 - acc: 0.7730
3842 98/620 [==>.....] - ETA: 20:05 -
    loss: 0.4168 - acc: 0.7740
3843 99/620 [==>.....] - ETA: 20:03 -
    loss: 0.4168 - acc: 0.7741
3844 100/620 [==>.....] - ETA: 19:55 -
    loss: 0.4176 - acc: 0.7730
3845 101/620 [==>.....] - ETA: 19:52 -
    loss: 0.4170 - acc: 0.7728
3846 102/620 [==>.....] - ETA: 19:50 -
    loss: 0.4166 - acc: 0.7735
3847 103/620 [==>.....] - ETA: 19:48 -
    loss: 0.4174 - acc: 0.7739
3848 104/620 [==>.....] - ETA: 19:46 -
    loss: 0.4178 - acc: 0.7739
3849 105/620 [==>.....] - ETA: 19:44 -
    loss: 0.4170 - acc: 0.7746
3850 106/620 [==>.....] - ETA: 19:41 -
    loss: 0.4172 - acc: 0.7744
3851 107/620 [==>.....] - ETA: 19:40 -
    loss: 0.4171 - acc: 0.7747
3852 108/620 [==>.....] - ETA: 19:38 -
    loss: 0.4170 - acc: 0.7754
3853 109/620 [==>.....] - ETA: 19:36 -
```

File - cnn_2D_model

```
3853 loss: 0.4161 - acc: 0.7769
3854 110/620 [=====>.....] - ETA: 19:35 -
    loss: 0.4163 - acc: 0.7769
3855 111/620 [=====>.....] - ETA: 19:35 -
    loss: 0.4166 - acc: 0.7764
3856 112/620 [=====>.....] - ETA: 19:33 -
    loss: 0.4173 - acc: 0.7761
3857 113/620 [=====>.....] - ETA: 19:31 -
    loss: 0.4167 - acc: 0.7765
3858 114/620 [=====>.....] - ETA: 19:29 -
    loss: 0.4163 - acc: 0.7768
3859 115/620 [=====>.....] - ETA: 19:27 -
    loss: 0.4155 - acc: 0.7771
3860 116/620 [=====>.....] - ETA: 19:25 -
    loss: 0.4178 - acc: 0.7747
3861 117/620 [=====>.....] - ETA: 19:22 -
    loss: 0.4174 - acc: 0.7748
3862 118/620 [=====>.....] - ETA: 19:20 -
    loss: 0.4180 - acc: 0.7743
3863 119/620 [=====>.....] - ETA: 19:18 -
    loss: 0.4184 - acc: 0.7733
3864 120/620 [=====>.....] - ETA: 19:11 -
    loss: 0.4163 - acc: 0.7752
3865 121/620 [=====>.....] - ETA: 19:08 -
    loss: 0.4160 - acc: 0.7755
3866 122/620 [=====>.....] - ETA: 19:06 -
    loss: 0.4158 - acc: 0.7755
3867 123/620 [=====>.....] - ETA: 19:04 -
    loss: 0.4150 - acc: 0.7763
3868 124/620 [=====>.....] - ETA: 19:02 -
    loss: 0.4139 - acc: 0.7774
3869 125/620 [=====>.....] - ETA: 19:00 -
    loss: 0.4150 - acc: 0.7769
3870 126/620 [=====>.....] - ETA: 18:57 -
    loss: 0.4150 - acc: 0.7770
3871 127/620 [=====>.....] - ETA: 18:55 -
    loss: 0.4160 - acc: 0.7765
3872 128/620 [=====>.....] - ETA: 18:53 -
    loss: 0.4163 - acc: 0.7756
3873 129/620 [=====>.....] - ETA: 18:50 -
    loss: 0.4152 - acc: 0.7768
3874 130/620 [=====>.....] - ETA: 18:48 -
    loss: 0.4159 - acc: 0.7761
3875 131/620 [=====>.....] - ETA: 18:45 -
    loss: 0.4157 - acc: 0.7764
```

File - cnn_2D_model

```
3876 132/620 [=====>.....] - ETA: 18:43 -
    loss: 0.4163 - acc: 0.7760
3877 133/620 [=====>.....] - ETA: 18:41 -
    loss: 0.4165 - acc: 0.7755
3878 134/620 [=====>.....] - ETA: 18:38 -
    loss: 0.4152 - acc: 0.7767
3879 135/620 [=====>.....] - ETA: 18:36 -
    loss: 0.4157 - acc: 0.7768
3880 136/620 [=====>.....] - ETA: 18:34 -
    loss: 0.4160 - acc: 0.7763
3881 137/620 [=====>.....] - ETA: 18:34 -
    loss: 0.4160 - acc: 0.7762
3882 138/620 [=====>.....] - ETA: 18:32 -
    loss: 0.4153 - acc: 0.7769
3883 139/620 [=====>.....] - ETA: 18:29 -
    loss: 0.4152 - acc: 0.7769
3884 140/620 [=====>.....] - ETA: 18:23 -
    loss: 0.4163 - acc: 0.7767
3885 141/620 [=====>.....] - ETA: 18:21 -
    loss: 0.4159 - acc: 0.7767
3886 142/620 [=====>.....] - ETA: 18:19 -
    loss: 0.4159 - acc: 0.7766
3887 143/620 [=====>.....] - ETA: 18:16 -
    loss: 0.4175 - acc: 0.7753
3888 144/620 [=====>.....] - ETA: 18:14 -
    loss: 0.4174 - acc: 0.7755
3889 145/620 [=====>.....] - ETA: 18:12 -
    loss: 0.4164 - acc: 0.7764
3890 146/620 [=====>.....] - ETA: 18:10 -
    loss: 0.4162 - acc: 0.7767
3891 147/620 [=====>.....] - ETA: 18:07 -
    loss: 0.4161 - acc: 0.7765
3892 148/620 [=====>.....] - ETA: 18:05 -
    loss: 0.4156 - acc: 0.7770
3893 149/620 [=====>.....] - ETA: 18:03 -
    loss: 0.4160 - acc: 0.7764
3894 150/620 [=====>.....] - ETA: 18:00 -
    loss: 0.4159 - acc: 0.7768
3895 151/620 [=====>.....] - ETA: 17:59 -
    loss: 0.4160 - acc: 0.7766
3896 152/620 [=====>.....] - ETA: 17:57 -
    loss: 0.4161 - acc: 0.7767
3897 153/620 [=====>.....] - ETA: 17:54 -
    loss: 0.4157 - acc: 0.7771
3898 154/620 [=====>.....] - ETA: 17:52 -
```

```
3898 loss: 0.4156 - acc: 0.7777
3899 155/620 [=====>.....] - ETA: 17:50 -
    loss: 0.4156 - acc: 0.7780
3900 156/620 [=====>.....] - ETA: 17:48 -
    loss: 0.4156 - acc: 0.7776
3901 157/620 [=====>.....] - ETA: 17:45 -
    loss: 0.4161 - acc: 0.7772
3902 158/620 [=====>.....] - ETA: 17:43 -
    loss: 0.4151 - acc: 0.7780
3903 159/620 [=====>.....] - ETA: 17:41 -
    loss: 0.4156 - acc: 0.7776
3904 160/620 [=====>.....] - ETA: 17:35 -
    loss: 0.4154 - acc: 0.7785
3905 161/620 [=====>.....] - ETA: 17:33 -
    loss: 0.4150 - acc: 0.7787
3906 162/620 [=====>.....] - ETA: 17:30 -
    loss: 0.4146 - acc: 0.7784
3907 163/620 [=====>.....] - ETA: 17:28 -
    loss: 0.4147 - acc: 0.7786
3908 164/620 [=====>.....] - ETA: 17:26 -
    loss: 0.4146 - acc: 0.7788
3909 165/620 [=====>.....] - ETA: 17:25 -
    loss: 0.4145 - acc: 0.7780
3910 166/620 [=====>.....] - ETA: 17:23 -
    loss: 0.4150 - acc: 0.7777
3911 167/620 [=====>.....] - ETA: 17:21 -
    loss: 0.4155 - acc: 0.7773
3912 168/620 [=====>.....] - ETA: 17:18 -
    loss: 0.4152 - acc: 0.7775
3913 169/620 [=====>.....] - ETA: 17:16 -
    loss: 0.4145 - acc: 0.7779
3914 170/620 [=====>.....] - ETA: 17:14 -
    loss: 0.4139 - acc: 0.7785
3915 171/620 [=====>.....] - ETA: 17:11 -
    loss: 0.4146 - acc: 0.7783
3916 172/620 [=====>.....] - ETA: 17:09 -
    loss: 0.4140 - acc: 0.7785
3917 173/620 [=====>.....] - ETA: 17:06 -
    loss: 0.4141 - acc: 0.7787
3918 174/620 [=====>.....] - ETA: 17:04 -
    loss: 0.4145 - acc: 0.7786
3919 175/620 [=====>.....] - ETA: 17:02 -
    loss: 0.4139 - acc: 0.7791
3920 176/620 [=====>.....] - ETA: 17:00 -
    loss: 0.4140 - acc: 0.7793
```

File - cnn_2D_model

```
3921 177/620 [=====>.....] - ETA: 16:57 -
    loss: 0.4143 - acc: 0.7790
3922 178/620 [=====>.....] - ETA: 16:55 -
    loss: 0.4147 - acc: 0.7788
3923 179/620 [=====>.....] - ETA: 16:53 -
    loss: 0.4149 - acc: 0.7783
3924 180/620 [=====>.....] - ETA: 16:48 -
    loss: 0.4152 - acc: 0.7781
3925 181/620 [=====>.....] - ETA: 16:46 -
    loss: 0.4150 - acc: 0.7783
3926 182/620 [=====>.....] - ETA: 16:44 -
    loss: 0.4153 - acc: 0.7776
3927 183/620 [=====>.....] - ETA: 16:41 -
    loss: 0.4153 - acc: 0.7777
3928 184/620 [=====>.....] - ETA: 16:39 -
    loss: 0.4154 - acc: 0.7777
3929 185/620 [=====>.....] - ETA: 16:37 -
    loss: 0.4152 - acc: 0.7782
3930 186/620 [=====>.....] - ETA: 16:35 -
    loss: 0.4149 - acc: 0.7782
3931 187/620 [=====>.....] - ETA: 16:33 -
    loss: 0.4151 - acc: 0.7777
3932 188/620 [=====>.....] - ETA: 16:32 -
    loss: 0.4148 - acc: 0.7779
3933 189/620 [=====>.....] - ETA: 16:30 -
    loss: 0.4150 - acc: 0.7781
3934 190/620 [=====>.....] - ETA: 16:28 -
    loss: 0.4143 - acc: 0.7788
3935 191/620 [=====>.....] - ETA: 16:25 -
    loss: 0.4138 - acc: 0.7793
3936 192/620 [=====>.....] - ETA: 16:23 -
    loss: 0.4145 - acc: 0.7788
3937 193/620 [=====>.....] - ETA: 16:21 -
    loss: 0.4142 - acc: 0.7790
3938 194/620 [=====>.....] - ETA: 16:19 -
    loss: 0.4143 - acc: 0.7790
3939 195/620 [=====>.....] - ETA: 16:16 -
    loss: 0.4144 - acc: 0.7788
3940 196/620 [=====>.....] - ETA: 16:14 -
    loss: 0.4149 - acc: 0.7784
3941 197/620 [=====>.....] - ETA: 16:12 -
    loss: 0.4144 - acc: 0.7790
3942 198/620 [=====>.....] - ETA: 16:09 -
    loss: 0.4146 - acc: 0.7787
3943 199/620 [=====>.....] - ETA: 16:07 -
```

File - cnn_2D_model

```
3943 loss: 0.4147 - acc: 0.7786
3944 200/620 [=====>.....] - ETA: 16:02 -
    loss: 0.4146 - acc: 0.7780
3945 201/620 [=====>.....] - ETA: 16:00 -
    loss: 0.4142 - acc: 0.7780
3946 202/620 [=====>.....] - ETA: 15:58 -
    loss: 0.4141 - acc: 0.7781
3947 203/620 [=====>.....] - ETA: 15:56 -
    loss: 0.4134 - acc: 0.7788
3948 204/620 [=====>.....] - ETA: 15:54 -
    loss: 0.4134 - acc: 0.7785
3949 205/620 [=====>.....] - ETA: 15:51 -
    loss: 0.4143 - acc: 0.7776
3950 206/620 [=====>.....] - ETA: 15:49 -
    loss: 0.4134 - acc: 0.7783
3951 207/620 [=====>.....] - ETA: 15:47 -
    loss: 0.4134 - acc: 0.7780
3952 208/620 [=====>.....] - ETA: 15:45 -
    loss: 0.4132 - acc: 0.7780
3953 209/620 [=====>.....] - ETA: 15:42 -
    loss: 0.4124 - acc: 0.7786
3954 210/620 [=====>.....] - ETA: 15:40 -
    loss: 0.4119 - acc: 0.7792
3955 211/620 [=====>.....] - ETA: 15:38 -
    loss: 0.4119 - acc: 0.7788
3956 212/620 [=====>.....] - ETA: 15:36 -
    loss: 0.4121 - acc: 0.7789
3957 213/620 [=====>.....] - ETA: 15:33 -
    loss: 0.4130 - acc: 0.7782
3958 214/620 [=====>.....] - ETA: 15:31 -
    loss: 0.4129 - acc: 0.7781
3959 215/620 [=====>.....] - ETA: 15:29 -
    loss: 0.4127 - acc: 0.7782
3960 216/620 [=====>.....] - ETA: 15:27 -
    loss: 0.4131 - acc: 0.7778
3961 217/620 [=====>.....] - ETA: 15:25 -
    loss: 0.4126 - acc: 0.7784
3962 218/620 [=====>.....] - ETA: 15:23 -
    loss: 0.4126 - acc: 0.7784
3963 219/620 [=====>.....] - ETA: 15:21 -
    loss: 0.4127 - acc: 0.7783
3964 220/620 [=====>.....] - ETA: 15:16 -
    loss: 0.4121 - acc: 0.7789
3965 221/620 [=====>.....] - ETA: 15:14 -
    loss: 0.4126 - acc: 0.7787
```

File - cnn_2D_model

```
3966 222/620 [=====>.....] - ETA: 15:12 -
    loss: 0.4127 - acc: 0.7785
3967 223/620 [=====>.....] - ETA: 15:09 -
    loss: 0.4126 - acc: 0.7787
3968 224/620 [=====>.....] - ETA: 15:07 -
    loss: 0.4126 - acc: 0.7787
3969 225/620 [=====>.....] - ETA: 15:05 -
    loss: 0.4120 - acc: 0.7791
3970 226/620 [=====>.....] - ETA: 15:02 -
    loss: 0.4118 - acc: 0.7793
3971 227/620 [=====>.....] - ETA: 15:00 -
    loss: 0.4116 - acc: 0.7796
3972 228/620 [=====>.....] - ETA: 14:58 -
    loss: 0.4110 - acc: 0.7802
3973 229/620 [=====>.....] - ETA: 14:55 -
    loss: 0.4111 - acc: 0.7802
3974 230/620 [=====>.....] - ETA: 14:53 -
    loss: 0.4113 - acc: 0.7801
3975 231/620 [=====>.....] - ETA: 14:51 -
    loss: 0.4118 - acc: 0.7799
3976 232/620 [=====>.....] - ETA: 14:49 -
    loss: 0.4116 - acc: 0.7799
3977 233/620 [=====>.....] - ETA: 14:46 -
    loss: 0.4115 - acc: 0.7799
3978 234/620 [=====>.....] - ETA: 14:44 -
    loss: 0.4118 - acc: 0.7796
3979 235/620 [=====>.....] - ETA: 14:42 -
    loss: 0.4114 - acc: 0.7800
3980 236/620 [=====>.....] - ETA: 14:40 -
    loss: 0.4116 - acc: 0.7797
3981 237/620 [=====>.....] - ETA: 14:37 -
    loss: 0.4120 - acc: 0.7794
3982 238/620 [=====>.....] - ETA: 14:35 -
    loss: 0.4119 - acc: 0.7792
3983 239/620 [=====>.....] - ETA: 14:33 -
    loss: 0.4118 - acc: 0.7796
3984 240/620 [=====>.....] - ETA: 14:29 -
    loss: 0.4114 - acc: 0.7799
3985 241/620 [=====>.....] - ETA: 14:27 -
    loss: 0.4114 - acc: 0.7796
3986 242/620 [=====>.....] - ETA: 14:25 -
    loss: 0.4118 - acc: 0.7795
3987 243/620 [=====>.....] - ETA: 14:23 -
    loss: 0.4119 - acc: 0.7795
3988 244/620 [=====>.....] - ETA: 14:20 -
```

```
3988 loss: 0.4115 - acc: 0.7798
3989 245/620 [=====>.....] - ETA: 14:18 -
    loss: 0.4114 - acc: 0.7798
3990 246/620 [=====>.....] - ETA: 14:16 -
    loss: 0.4109 - acc: 0.7800
3991 247/620 [=====>.....] - ETA: 14:14 -
    loss: 0.4114 - acc: 0.7794
3992 248/620 [=====>.....] - ETA: 14:11 -
    loss: 0.4117 - acc: 0.7791
3993 249/620 [=====>.....] - ETA: 14:09 -
    loss: 0.4120 - acc: 0.7788
3994 250/620 [=====>.....] - ETA: 14:07 -
    loss: 0.4121 - acc: 0.7785
3995 251/620 [=====>.....] - ETA: 14:04 -
    loss: 0.4121 - acc: 0.7786
3996 252/620 [=====>.....] - ETA: 14:02 -
    loss: 0.4114 - acc: 0.7793
3997 253/620 [=====>.....] - ETA: 14:00 -
    loss: 0.4117 - acc: 0.7789
3998 254/620 [=====>.....] - ETA: 13:58 -
    loss: 0.4121 - acc: 0.7786
3999 255/620 [=====>.....] - ETA: 13:56 -
    loss: 0.4120 - acc: 0.7787
4000 256/620 [=====>.....] - ETA: 13:54 -
    loss: 0.4120 - acc: 0.7787
4001 257/620 [=====>.....] - ETA: 13:51 -
    loss: 0.4121 - acc: 0.7786
4002 258/620 [=====>.....] - ETA: 13:49 -
    loss: 0.4118 - acc: 0.7786
4003 259/620 [=====>.....] - ETA: 13:47 -
    loss: 0.4123 - acc: 0.7785
4004 260/620 [=====>.....] - ETA: 13:43 -
    loss: 0.4121 - acc: 0.7787
4005 261/620 [=====>.....] - ETA: 13:41 -
    loss: 0.4122 - acc: 0.7783
4006 262/620 [=====>.....] - ETA: 13:38 -
    loss: 0.4123 - acc: 0.7783
4007 263/620 [=====>.....] - ETA: 13:36 -
    loss: 0.4127 - acc: 0.7785
4008 264/620 [=====>.....] - ETA: 13:34 -
    loss: 0.4128 - acc: 0.7786
4009 265/620 [=====>.....] - ETA: 13:32 -
    loss: 0.4127 - acc: 0.7787
4010 266/620 [=====>.....] - ETA: 13:29 -
    loss: 0.4131 - acc: 0.7781
```

File - cnn_2D_model

```
4011 267/620 [=====>.....] - ETA: 13:27 -
    loss: 0.4129 - acc: 0.7783
4012 268/620 [=====>.....] - ETA: 13:25 -
    loss: 0.4127 - acc: 0.7786
4013 269/620 [=====>.....] - ETA: 13:23 -
    loss: 0.4124 - acc: 0.7788
4014 270/620 [=====>.....] - ETA: 13:21 -
    loss: 0.4123 - acc: 0.7791
4015 271/620 [=====>.....] - ETA: 13:19 -
    loss: 0.4122 - acc: 0.7789
4016 272/620 [=====>.....] - ETA: 13:16 -
    loss: 0.4122 - acc: 0.7791
4017 273/620 [=====>.....] - ETA: 13:14 -
    loss: 0.4126 - acc: 0.7786
4018 274/620 [=====>.....] - ETA: 13:12 -
    loss: 0.4123 - acc: 0.7790
4019 275/620 [=====>.....] - ETA: 13:09 -
    loss: 0.4123 - acc: 0.7786
4020 276/620 [=====>.....] - ETA: 13:07 -
    loss: 0.4120 - acc: 0.7791
4021 277/620 [=====>.....] - ETA: 13:05 -
    loss: 0.4115 - acc: 0.7794
4022 278/620 [=====>.....] - ETA: 13:03 -
    loss: 0.4112 - acc: 0.7797
4023 279/620 [=====>.....] - ETA: 13:00 -
    loss: 0.4114 - acc: 0.7796
4024 280/620 [=====>.....] - ETA: 12:57 -
    loss: 0.4109 - acc: 0.7798
4025 281/620 [=====>.....] - ETA: 12:54 -
    loss: 0.4110 - acc: 0.7798
4026 282/620 [=====>.....] - ETA: 12:52 -
    loss: 0.4113 - acc: 0.7798
4027 283/620 [=====>.....] - ETA: 12:50 -
    loss: 0.4116 - acc: 0.7797
4028 284/620 [=====>.....] - ETA: 12:48 -
    loss: 0.4116 - acc: 0.7798
4029 285/620 [=====>.....] - ETA: 12:45 -
    loss: 0.4122 - acc: 0.7790
4030 286/620 [=====>.....] - ETA: 12:43 -
    loss: 0.4119 - acc: 0.7792
4031 287/620 [=====>.....] - ETA: 12:41 -
    loss: 0.4114 - acc: 0.7797
4032 288/620 [=====>.....] - ETA: 12:39 -
    loss: 0.4114 - acc: 0.7800
4033 289/620 [=====>.....] - ETA: 12:36 -
```

```
4033 loss: 0.4111 - acc: 0.7802
4034 290/620 [=====>.....] - ETA: 12:34 -
    loss: 0.4114 - acc: 0.7801
4035 291/620 [=====>.....] - ETA: 12:32 -
    loss: 0.4111 - acc: 0.7806
4036 292/620 [=====>.....] - ETA: 12:29 -
    loss: 0.4111 - acc: 0.7806
4037 293/620 [=====>.....] - ETA: 12:27 -
    loss: 0.4107 - acc: 0.7810
4038 294/620 [=====>.....] - ETA: 12:26 -
    loss: 0.4106 - acc: 0.7809
4039 295/620 [=====>.....] - ETA: 12:24 -
    loss: 0.4108 - acc: 0.7809
4040 296/620 [=====>.....] - ETA: 12:21 -
    loss: 0.4110 - acc: 0.7809
4041 297/620 [=====>.....] - ETA: 12:19 -
    loss: 0.4107 - acc: 0.7809
4042 298/620 [=====>.....] - ETA: 12:17 -
    loss: 0.4105 - acc: 0.7812
4043 299/620 [=====>.....] - ETA: 12:14 -
    loss: 0.4102 - acc: 0.7814
4044 300/620 [=====>.....] - ETA: 12:11 -
    loss: 0.4103 - acc: 0.7816
4045 301/620 [=====>.....] - ETA: 12:09 -
    loss: 0.4106 - acc: 0.7813
4046 302/620 [=====>.....] - ETA: 12:06 -
    loss: 0.4105 - acc: 0.7813
4047 303/620 [=====>.....] - ETA: 12:04 -
    loss: 0.4102 - acc: 0.7817
4048 304/620 [=====>.....] - ETA: 12:02 -
    loss: 0.4100 - acc: 0.7819
4049 305/620 [=====>.....] - ETA: 11:59 -
    loss: 0.4097 - acc: 0.7822
4050 306/620 [=====>.....] - ETA: 11:57 -
    loss: 0.4098 - acc: 0.7820
4051 307/620 [=====>.....] - ETA: 11:55 -
    loss: 0.4101 - acc: 0.7821
4052 308/620 [=====>.....] - ETA: 11:53 -
    loss: 0.4101 - acc: 0.7821
4053 309/620 [=====>.....] - ETA: 11:51 -
    loss: 0.4100 - acc: 0.7822
4054 310/620 [=====>.....] - ETA: 11:49 -
    loss: 0.4100 - acc: 0.7821
4055 311/620 [=====>.....] - ETA: 11:46 -
    loss: 0.4100 - acc: 0.7820
```

File - cnn_2D_model

```
4056 312/620 [=====>.....] - ETA: 11:44 -
    loss: 0.4103 - acc: 0.7819
4057 313/620 [=====>.....] - ETA: 11:42 -
    loss: 0.4098 - acc: 0.7821
4058 314/620 [=====>.....] - ETA: 11:39 -
    loss: 0.4097 - acc: 0.7824
4059 315/620 [=====>.....] - ETA: 11:37 -
    loss: 0.4100 - acc: 0.7823
4060 316/620 [=====>.....] - ETA: 11:35 -
    loss: 0.4104 - acc: 0.7818
4061 317/620 [=====>.....] - ETA: 11:33 -
    loss: 0.4105 - acc: 0.7820
4062 318/620 [=====>.....] - ETA: 11:31 -
    loss: 0.4106 - acc: 0.7821
4063 319/620 [=====>.....] - ETA: 11:28 -
    loss: 0.4101 - acc: 0.7824
4064 320/620 [=====>.....] - ETA: 11:25 -
    loss: 0.4102 - acc: 0.7828
4065 321/620 [=====>.....] - ETA: 11:23 -
    loss: 0.4099 - acc: 0.7832
4066 322/620 [=====>.....] - ETA: 11:21 -
    loss: 0.4100 - acc: 0.7831
4067 323/620 [=====>.....] - ETA: 11:19 -
    loss: 0.4102 - acc: 0.7828
4068 324/620 [=====>.....] - ETA: 11:16 -
    loss: 0.4105 - acc: 0.7828
4069 325/620 [=====>.....] - ETA: 11:14 -
    loss: 0.4106 - acc: 0.7826
4070 326/620 [=====>.....] - ETA: 11:12 -
    loss: 0.4106 - acc: 0.7827
4071 327/620 [=====>.....] - ETA: 11:09 -
    loss: 0.4101 - acc: 0.7829
4072 328/620 [=====>.....] - ETA: 11:07 -
    loss: 0.4106 - acc: 0.7826
4073 329/620 [=====>.....] - ETA: 11:05 -
    loss: 0.4105 - acc: 0.7829
4074 330/620 [=====>.....] - ETA: 11:03 -
    loss: 0.4104 - acc: 0.7830
4075 331/620 [=====>.....] - ETA: 11:00 -
    loss: 0.4106 - acc: 0.7829
4076 332/620 [=====>.....] - ETA: 10:58 -
    loss: 0.4105 - acc: 0.7831
4077 333/620 [=====>.....] - ETA: 10:56 -
    loss: 0.4103 - acc: 0.7833
4078 334/620 [=====>.....] - ETA: 10:53 -
```

```
4078 loss: 0.4100 - acc: 0.7835
4079 335/620 [=====>.....] - ETA: 10:51 -
    loss: 0.4098 - acc: 0.7836
4080 336/620 [=====>.....] - ETA: 10:49 -
    loss: 0.4096 - acc: 0.7836
4081 337/620 [=====>.....] - ETA: 10:47 -
    loss: 0.4098 - acc: 0.7834
4082 338/620 [=====>.....] - ETA: 10:45 -
    loss: 0.4094 - acc: 0.7837
4083 339/620 [=====>.....] - ETA: 10:42 -
    loss: 0.4095 - acc: 0.7837
4084 340/620 [=====>.....] - ETA: 10:39 -
    loss: 0.4088 - acc: 0.7841
4085 341/620 [=====>.....] - ETA: 10:37 -
    loss: 0.4090 - acc: 0.7840
4086 342/620 [=====>.....] - ETA: 10:34 -
    loss: 0.4086 - acc: 0.7841
4087 343/620 [=====>.....] - ETA: 10:32 -
    loss: 0.4088 - acc: 0.7841
4088 344/620 [=====>.....] - ETA: 10:30 -
    loss: 0.4085 - acc: 0.7840
4089 345/620 [=====>.....] - ETA: 10:28 -
    loss: 0.4083 - acc: 0.7839
4090 346/620 [=====>.....] - ETA: 10:25 -
    loss: 0.4083 - acc: 0.7836
4091 347/620 [=====>.....] - ETA: 10:23 -
    loss: 0.4082 - acc: 0.7836
4092 348/620 [=====>.....] - ETA: 10:21 -
    loss: 0.4078 - acc: 0.7838
4093 349/620 [=====>.....] - ETA: 10:19 -
    loss: 0.4076 - acc: 0.7838
4094 350/620 [=====>.....] - ETA: 10:17 -
    loss: 0.4073 - acc: 0.7839
4095 351/620 [=====>.....] - ETA: 10:14 -
    loss: 0.4080 - acc: 0.7837
4096 352/620 [=====>.....] - ETA: 10:12 -
    loss: 0.4078 - acc: 0.7837
4097 353/620 [=====>.....] - ETA: 10:10 -
    loss: 0.4081 - acc: 0.7836
4098 354/620 [=====>.....] - ETA: 10:08 -
    loss: 0.4084 - acc: 0.7834
4099 355/620 [=====>.....] - ETA: 10:05 -
    loss: 0.4081 - acc: 0.7837
4100 356/620 [=====>.....] - ETA: 10:03 -
    loss: 0.4085 - acc: 0.7838
```

File - cnn_2D_model

```
4101 357/620 [=====>.....] - ETA: 10:01 -
    loss: 0.4083 - acc: 0.7841
4102 358/620 [=====>.....] - ETA: 9:58 -
    loss: 0.4083 - acc: 0.7842
4103 359/620 [=====>.....] - ETA: 9:56 -
    loss: 0.4084 - acc: 0.7839
4104 360/620 [=====>.....] - ETA: 9:53 -
    loss: 0.4086 - acc: 0.7839
4105 361/620 [=====>.....] - ETA: 9:51 -
    loss: 0.4089 - acc: 0.7838
4106 362/620 [=====>.....] - ETA: 9:49 -
    loss: 0.4088 - acc: 0.7839
4107 363/620 [=====>.....] - ETA: 9:47 -
    loss: 0.4091 - acc: 0.7836
4108 364/620 [=====>.....] - ETA: 9:44 -
    loss: 0.4088 - acc: 0.7838
4109 365/620 [=====>.....] - ETA: 9:42 -
    loss: 0.4086 - acc: 0.7841
4110 366/620 [=====>.....] - ETA: 9:40 -
    loss: 0.4084 - acc: 0.7842
4111 367/620 [=====>.....] - ETA: 9:38 -
    loss: 0.4085 - acc: 0.7841
4112 368/620 [=====>.....] - ETA: 9:35 -
    loss: 0.4084 - acc: 0.7841
4113 369/620 [=====>.....] - ETA: 9:33 -
    loss: 0.4084 - acc: 0.7843
4114 370/620 [=====>.....] - ETA: 9:31 -
    loss: 0.4082 - acc: 0.7845
4115 371/620 [=====>.....] - ETA: 9:28 -
    loss: 0.4087 - acc: 0.7842
4116 372/620 [=====>.....] - ETA: 9:26 -
    loss: 0.4086 - acc: 0.7844
4117 373/620 [=====>.....] - ETA: 9:24 -
    loss: 0.4088 - acc: 0.7841
4118 374/620 [=====>.....] - ETA: 9:22 -
    loss: 0.4088 - acc: 0.7839
4119 375/620 [=====>.....] - ETA: 9:20 -
    loss: 0.4088 - acc: 0.7840
4120 376/620 [=====>.....] - ETA: 9:18 -
    loss: 0.4090 - acc: 0.7839
4121 377/620 [=====>.....] - ETA: 9:15 -
    loss: 0.4089 - acc: 0.7842
4122 378/620 [=====>.....] - ETA: 9:13 -
    loss: 0.4092 - acc: 0.7838
4123 379/620 [=====>.....] - ETA: 9:11 -
```

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4123 loss: 0.4089 - acc: 0.7842
4124 380/620 [======>.....] - ETA: 9:08 -
    loss: 0.4084 - acc: 0.7846
4125 381/620 [======>.....] - ETA: 9:06 -
    loss: 0.4086 - acc: 0.7844
4126 382/620 [======>.....] - ETA: 9:03 -
    loss: 0.4081 - acc: 0.7849
4127 383/620 [======>.....] - ETA: 9:01 -
    loss: 0.4084 - acc: 0.7849
4128 384/620 [======>.....] - ETA: 8:59 -
    loss: 0.4081 - acc: 0.7849
4129 385/620 [======>.....] - ETA: 8:56 -
    loss: 0.4084 - acc: 0.7846
4130 386/620 [======>.....] - ETA: 8:54 -
    loss: 0.4081 - acc: 0.7849
4131 387/620 [======>.....] - ETA: 8:52 -
    loss: 0.4081 - acc: 0.7850
4132 388/620 [======>.....] - ETA: 8:50 -
    loss: 0.4084 - acc: 0.7849
4133 389/620 [======>.....] - ETA: 8:47 -
    loss: 0.4082 - acc: 0.7851
4134 390/620 [======>.....] - ETA: 8:45 -
    loss: 0.4085 - acc: 0.7850
4135 391/620 [======>.....] - ETA: 8:43 -
    loss: 0.4081 - acc: 0.7854
4136 392/620 [======>.....] - ETA: 8:41 -
    loss: 0.4079 - acc: 0.7854
4137 393/620 [======>.....] - ETA: 8:38 -
    loss: 0.4078 - acc: 0.7856
4138 394/620 [======>.....] - ETA: 8:36 -
    loss: 0.4082 - acc: 0.7853
4139 395/620 [======>.....] - ETA: 8:34 -
    loss: 0.4080 - acc: 0.7852
4140 396/620 [======>.....] - ETA: 8:32 -
    loss: 0.4080 - acc: 0.7852
4141 397/620 [======>.....] - ETA: 8:30 -
    loss: 0.4075 - acc: 0.7855
4142 398/620 [======>.....] - ETA: 8:27 -
    loss: 0.4076 - acc: 0.7853
4143 399/620 [======>.....] - ETA: 8:25 -
    loss: 0.4079 - acc: 0.7851
4144 400/620 [======>.....] - ETA: 8:23 -
    loss: 0.4082 - acc: 0.7848
4145 401/620 [======>.....] - ETA: 8:20 -
    loss: 0.4082 - acc: 0.7849
```

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4146 402/620 [=====>.....] - ETA: 8:18 -
    loss: 0.4081 - acc: 0.7850
4147 403/620 [=====>.....] - ETA: 8:16 -
    loss: 0.4081 - acc: 0.7850
4148 404/620 [=====>.....] - ETA: 8:14 -
    loss: 0.4082 - acc: 0.7850
4149 405/620 [=====>.....] - ETA: 8:12 -
    loss: 0.4083 - acc: 0.7850
4150 406/620 [=====>.....] - ETA: 8:10 -
    loss: 0.4082 - acc: 0.7849
4151 407/620 [=====>.....] - ETA: 8:07 -
    loss: 0.4082 - acc: 0.7850
4152 408/620 [=====>.....] - ETA: 8:05 -
    loss: 0.4078 - acc: 0.7853
4153 409/620 [=====>.....] - ETA: 8:03 -
    loss: 0.4078 - acc: 0.7852
4154 410/620 [=====>.....] - ETA: 8:01 -
    loss: 0.4077 - acc: 0.7853
4155 411/620 [=====>.....] - ETA: 7:58 -
    loss: 0.4076 - acc: 0.7854
4156 412/620 [=====>.....] - ETA: 7:56 -
    loss: 0.4075 - acc: 0.7857
4157 413/620 [=====>.....] - ETA: 7:54 -
    loss: 0.4076 - acc: 0.7856
4158 414/620 [=====>.....] - ETA: 7:52 -
    loss: 0.4077 - acc: 0.7856
4159 415/620 [=====>.....] - ETA: 7:49 -
    loss: 0.4075 - acc: 0.7858
4160 416/620 [=====>.....] - ETA: 7:47 -
    loss: 0.4077 - acc: 0.7857
4161 417/620 [=====>.....] - ETA: 7:45 -
    loss: 0.4077 - acc: 0.7857
4162 418/620 [=====>.....] - ETA: 7:43 -
    loss: 0.4075 - acc: 0.7859
4163 419/620 [=====>.....] - ETA: 7:40 -
    loss: 0.4075 - acc: 0.7858
4164 420/620 [=====>.....] - ETA: 7:37 -
    loss: 0.4077 - acc: 0.7859
4165 421/620 [=====>.....] - ETA: 7:35 -
    loss: 0.4076 - acc: 0.7861
4166 422/620 [=====>.....] - ETA: 7:33 -
    loss: 0.4079 - acc: 0.7859
4167 423/620 [=====>.....] - ETA: 7:31 -
    loss: 0.4079 - acc: 0.7859
4168 424/620 [=====>.....] - ETA: 7:28 -
```

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4168 loss: 0.4079 - acc: 0.7858
4169 425/620 [=====>.....] - ETA: 7:26 -
    loss: 0.4080 - acc: 0.7857
4170 426/620 [=====>.....] - ETA: 7:24 -
    loss: 0.4079 - acc: 0.7859
4171 427/620 [=====>.....] - ETA: 7:22 -
    loss: 0.4075 - acc: 0.7864
4172 428/620 [=====>.....] - ETA: 7:19 -
    loss: 0.4076 - acc: 0.7863
4173 429/620 [=====>.....] - ETA: 7:17 -
    loss: 0.4075 - acc: 0.7863
4174 430/620 [=====>.....] - ETA: 7:15 -
    loss: 0.4072 - acc: 0.7866
4175 431/620 [=====>.....] - ETA: 7:12 -
    loss: 0.4070 - acc: 0.7867
4176 432/620 [=====>.....] - ETA: 7:10 -
    loss: 0.4071 - acc: 0.7867
4177 433/620 [=====>.....] - ETA: 7:08 -
    loss: 0.4075 - acc: 0.7865
4178 434/620 [=====>.....] - ETA: 7:06 -
    loss: 0.4076 - acc: 0.7865
4179 435/620 [=====>.....] - ETA: 7:03 -
    loss: 0.4073 - acc: 0.7867
4180 436/620 [=====>.....] - ETA: 7:01 -
    loss: 0.4076 - acc: 0.7864
4181 437/620 [=====>.....] - ETA: 6:59 -
    loss: 0.4075 - acc: 0.7864
4182 438/620 [=====>.....] - ETA: 6:57 -
    loss: 0.4076 - acc: 0.7863
4183 439/620 [=====>.....] - ETA: 6:54 -
    loss: 0.4073 - acc: 0.7866
4184 440/620 [=====>.....] - ETA: 6:52 -
    loss: 0.4070 - acc: 0.7869
4185 441/620 [=====>.....] - ETA: 6:50 -
    loss: 0.4070 - acc: 0.7869
4186 442/620 [=====>.....] - ETA: 6:47 -
    loss: 0.4070 - acc: 0.7872
4187 443/620 [=====>.....] - ETA: 6:45 -
    loss: 0.4069 - acc: 0.7872
4188 444/620 [=====>.....] - ETA: 6:43 -
    loss: 0.4070 - acc: 0.7872
4189 445/620 [=====>.....] - ETA: 6:41 -
    loss: 0.4071 - acc: 0.7871
4190 446/620 [=====>.....] - ETA: 6:39 -
    loss: 0.4070 - acc: 0.7872
```

```
4191 447/620 [=====>.....] - ETA: 6:37 -
    loss: 0.4071 - acc: 0.7871
4192 448/620 [=====>.....] - ETA: 6:34 -
    loss: 0.4068 - acc: 0.7873
4193 449/620 [=====>.....] - ETA: 6:32 -
    loss: 0.4066 - acc: 0.7875
4194 450/620 [=====>.....] - ETA: 6:30 -
    loss: 0.4068 - acc: 0.7873
4195 451/620 [=====>.....] - ETA: 6:28 -
    loss: 0.4066 - acc: 0.7875
4196 452/620 [=====>.....] - ETA: 6:26 -
    loss: 0.4063 - acc: 0.7878
4197 453/620 [=====>.....] - ETA: 6:24 -
    loss: 0.4062 - acc: 0.7878
4198 454/620 [=====>.....] - ETA: 6:21 -
    loss: 0.4061 - acc: 0.7879
4199 455/620 [=====>.....] - ETA: 6:19 -
    loss: 0.4060 - acc: 0.7878
4200 456/620 [=====>.....] - ETA: 6:17 -
    loss: 0.4062 - acc: 0.7878
4201 457/620 [=====>.....] - ETA: 6:15 -
    loss: 0.4061 - acc: 0.7879
4202 458/620 [=====>.....] - ETA: 6:13 -
    loss: 0.4066 - acc: 0.7876
4203 459/620 [=====>.....] - ETA: 6:10 -
    loss: 0.4065 - acc: 0.7876
4204 460/620 [=====>.....] - ETA: 6:08 -
    loss: 0.4063 - acc: 0.7877
4205 461/620 [=====>.....] - ETA: 6:06 -
    loss: 0.4059 - acc: 0.7879
4206 462/620 [=====>.....] - ETA: 6:03 -
    loss: 0.4056 - acc: 0.7883
4207 463/620 [=====>.....] - ETA: 6:01 -
    loss: 0.4054 - acc: 0.7885
4208 464/620 [=====>.....] - ETA: 5:59 -
    loss: 0.4056 - acc: 0.7883
4209 465/620 [=====>.....] - ETA: 5:57 -
    loss: 0.4054 - acc: 0.7885
4210 466/620 [=====>.....] - ETA: 5:55 -
    loss: 0.4057 - acc: 0.7883
4211 467/620 [=====>.....] - ETA: 5:52 -
    loss: 0.4057 - acc: 0.7883
4212 468/620 [=====>.....] - ETA: 5:50 -
    loss: 0.4062 - acc: 0.7879
4213 469/620 [=====>.....] - ETA: 5:48 -
```

```
4213 loss: 0.4062 - acc: 0.7881
4214 470/620 [=====>.....] - ETA: 5:46 -
    loss: 0.4060 - acc: 0.7883
4215 471/620 [=====>.....] - ETA: 5:43 -
    loss: 0.4062 - acc: 0.7882
4216 472/620 [=====>.....] - ETA: 5:41 -
    loss: 0.4064 - acc: 0.7884
4217 473/620 [=====>.....] - ETA: 5:39 -
    loss: 0.4064 - acc: 0.7883
4218 474/620 [=====>.....] - ETA: 5:37 -
    loss: 0.4066 - acc: 0.7882
4219 475/620 [=====>.....] - ETA: 5:35 -
    loss: 0.4065 - acc: 0.7882
4220 476/620 [=====>.....] - ETA: 5:33 -
    loss: 0.4065 - acc: 0.7883
4221 477/620 [=====>.....] - ETA: 5:30 -
    loss: 0.4068 - acc: 0.7881
4222 478/620 [=====>.....] - ETA: 5:28 -
    loss: 0.4070 - acc: 0.7878
4223 479/620 [=====>.....] - ETA: 5:26 -
    loss: 0.4071 - acc: 0.7878
4224 480/620 [=====>.....] - ETA: 5:23 -
    loss: 0.4073 - acc: 0.7875
4225 481/620 [=====>.....] - ETA: 5:21 -
    loss: 0.4073 - acc: 0.7877
4226 482/620 [=====>.....] - ETA: 5:19 -
    loss: 0.4072 - acc: 0.7877
4227 483/620 [=====>.....] - ETA: 5:17 -
    loss: 0.4071 - acc: 0.7880
4228 484/620 [=====>.....] - ETA: 5:14 -
    loss: 0.4071 - acc: 0.7879
4229 485/620 [=====>.....] - ETA: 5:12 -
    loss: 0.4073 - acc: 0.7877
4230 486/620 [=====>.....] - ETA: 5:10 -
    loss: 0.4074 - acc: 0.7877
4231 487/620 [=====>.....] - ETA: 5:08 -
    loss: 0.4073 - acc: 0.7878
4232 488/620 [=====>.....] - ETA: 5:05 -
    loss: 0.4075 - acc: 0.7876
4233 489/620 [=====>.....] - ETA: 5:03 -
    loss: 0.4077 - acc: 0.7876
4234 490/620 [=====>.....] - ETA: 5:01 -
    loss: 0.4077 - acc: 0.7873
4235 491/620 [=====>.....] - ETA: 4:59 -
    loss: 0.4076 - acc: 0.7873
```

```
4236 492/620 [=====>.....] - ETA: 4:57 -
    loss: 0.4076 - acc: 0.7874
4237 493/620 [=====>.....] - ETA: 4:55 -
    loss: 0.4075 - acc: 0.7876
4238 494/620 [=====>.....] - ETA: 4:52 -
    loss: 0.4075 - acc: 0.7875
4239 495/620 [=====>.....] - ETA: 4:50 -
    loss: 0.4073 - acc: 0.7877
4240 496/620 [=====>.....] - ETA: 4:48 -
    loss: 0.4076 - acc: 0.7875
4241 497/620 [=====>.....] - ETA: 4:46 -
    loss: 0.4075 - acc: 0.7876
4242 498/620 [=====>.....] - ETA: 4:43 -
    loss: 0.4077 - acc: 0.7874
4243 499/620 [=====>.....] - ETA: 4:41 -
    loss: 0.4075 - acc: 0.7876
4244 500/620 [=====>.....] - ETA: 4:39 -
    loss: 0.4075 - acc: 0.7877
4245 501/620 [=====>.....] - ETA: 4:37 -
    loss: 0.4075 - acc: 0.7877
4246 502/620 [=====>.....] - ETA: 4:34 -
    loss: 0.4073 - acc: 0.7879
4247 503/620 [=====>.....] - ETA: 4:32 -
    loss: 0.4074 - acc: 0.7878
4248 504/620 [=====>.....] - ETA: 4:30 -
    loss: 0.4074 - acc: 0.7878
4249 505/620 [=====>.....] - ETA: 4:28 -
    loss: 0.4074 - acc: 0.7877
4250 506/620 [=====>.....] - ETA: 4:25 -
    loss: 0.4073 - acc: 0.7877
4251 507/620 [=====>.....] - ETA: 4:23 -
    loss: 0.4073 - acc: 0.7877
4252 508/620 [=====>.....] - ETA: 4:21 -
    loss: 0.4075 - acc: 0.7875
4253 509/620 [=====>.....] - ETA: 4:18 -
    loss: 0.4074 - acc: 0.7876
4254 510/620 [=====>.....] - ETA: 4:16 -
    loss: 0.4073 - acc: 0.7878
4255 511/620 [=====>.....] - ETA: 4:14 -
    loss: 0.4073 - acc: 0.7877
4256 512/620 [=====>.....] - ETA: 4:12 -
    loss: 0.4073 - acc: 0.7877
4257 513/620 [=====>.....] - ETA: 4:09 -
    loss: 0.4070 - acc: 0.7878
4258 514/620 [=====>.....] - ETA: 4:07 -
```

```
4258 loss: 0.4067 - acc: 0.7879
4259 515/620 [=====>.....] - ETA: 4:05 -
    loss: 0.4067 - acc: 0.7880
4260 516/620 [=====>.....] - ETA: 4:03 -
    loss: 0.4066 - acc: 0.7881
4261 517/620 [=====>.....] - ETA: 4:00 -
    loss: 0.4067 - acc: 0.7881
4262 518/620 [=====>.....] - ETA: 3:58 -
    loss: 0.4070 - acc: 0.7880
4263 519/620 [=====>.....] - ETA: 3:56 -
    loss: 0.4071 - acc: 0.7880
4264 520/620 [=====>.....] - ETA: 3:53 -
    loss: 0.4073 - acc: 0.7881
4265 521/620 [=====>.....] - ETA: 3:51 -
    loss: 0.4072 - acc: 0.7881
4266 522/620 [=====>.....] - ETA: 3:49 -
    loss: 0.4070 - acc: 0.7884
4267 523/620 [=====>.....] - ETA: 3:46 -
    loss: 0.4069 - acc: 0.7885
4268 524/620 [=====>.....] - ETA: 3:44 -
    loss: 0.4070 - acc: 0.7885
4269 525/620 [=====>.....] - ETA: 3:42 -
    loss: 0.4069 - acc: 0.7885
4270 526/620 [=====>.....] - ETA: 3:40 -
    loss: 0.4068 - acc: 0.7886
4271 527/620 [=====>.....] - ETA: 3:37 -
    loss: 0.4067 - acc: 0.7886
4272 528/620 [=====>.....] - ETA: 3:35 -
    loss: 0.4069 - acc: 0.7885
4273 529/620 [=====>.....] - ETA: 3:33 -
    loss: 0.4070 - acc: 0.7885
4274 530/620 [=====>.....] - ETA: 3:30 -
    loss: 0.4070 - acc: 0.7884
4275 531/620 [=====>.....] - ETA: 3:28 -
    loss: 0.4071 - acc: 0.7884
4276 532/620 [=====>.....] - ETA: 3:26 -
    loss: 0.4071 - acc: 0.7886
4277 533/620 [=====>.....] - ETA: 3:24 -
    loss: 0.4071 - acc: 0.7885
4278 534/620 [=====>.....] - ETA: 3:21 -
    loss: 0.4071 - acc: 0.7886
4279 535/620 [=====>.....] - ETA: 3:19 -
    loss: 0.4071 - acc: 0.7886
4280 536/620 [=====>.....] - ETA: 3:17 -
    loss: 0.4070 - acc: 0.7886
```

```
4281 537/620 [=====>....] - ETA: 3:14 -
    loss: 0.4072 - acc: 0.7885
4282 538/620 [=====>....] - ETA: 3:12 -
    loss: 0.4071 - acc: 0.7886
4283 539/620 [=====>....] - ETA: 3:10 -
    loss: 0.4071 - acc: 0.7886
4284 540/620 [=====>....] - ETA: 3:07 -
    loss: 0.4071 - acc: 0.7885
4285 541/620 [=====>....] - ETA: 3:05 -
    loss: 0.4073 - acc: 0.7884
4286 542/620 [=====>....] - ETA: 3:03 -
    loss: 0.4071 - acc: 0.7885
4287 543/620 [=====>....] - ETA: 3:00 -
    loss: 0.4071 - acc: 0.7884
4288 544/620 [=====>....] - ETA: 2:58 -
    loss: 0.4068 - acc: 0.7886
4289 545/620 [=====>....] - ETA: 2:56 -
    loss: 0.4066 - acc: 0.7888
4290 546/620 [=====>....] - ETA: 2:53 -
    loss: 0.4065 - acc: 0.7889
4291 547/620 [=====>....] - ETA: 2:51 -
    loss: 0.4062 - acc: 0.7891
4292 548/620 [=====>....] - ETA: 2:49 -
    loss: 0.4060 - acc: 0.7891
4293 549/620 [=====>....] - ETA: 2:46 -
    loss: 0.4062 - acc: 0.7888
4294 550/620 [=====>....] - ETA: 2:44 -
    loss: 0.4064 - acc: 0.7888
4295 551/620 [=====>....] - ETA: 2:42 -
    loss: 0.4068 - acc: 0.7886
4296 552/620 [=====>....] - ETA: 2:40 -
    loss: 0.4067 - acc: 0.7887
4297 553/620 [=====>....] - ETA: 2:37 -
    loss: 0.4069 - acc: 0.7887
4298 554/620 [=====>....] - ETA: 2:35 -
    loss: 0.4071 - acc: 0.7886
4299 555/620 [=====>....] - ETA: 2:33 -
    loss: 0.4067 - acc: 0.7889
4300 556/620 [=====>....] - ETA: 2:30 -
    loss: 0.4068 - acc: 0.7889
4301 557/620 [=====>....] - ETA: 2:28 -
    loss: 0.4066 - acc: 0.7890
4302 558/620 [=====>...] - ETA: 2:26 -
    loss: 0.4066 - acc: 0.7890
4303 559/620 [=====>...] - ETA: 2:23 -
```

```
4303 loss: 0.4066 - acc: 0.7892
4304 560/620 [=====>...] - ETA: 2:21 -
    loss: 0.4065 - acc: 0.7891
4305 561/620 [=====>...] - ETA: 2:19 -
    loss: 0.4066 - acc: 0.7890
4306 562/620 [=====>...] - ETA: 2:16 -
    loss: 0.4066 - acc: 0.7891
4307 563/620 [=====>...] - ETA: 2:14 -
    loss: 0.4065 - acc: 0.7892
4308 564/620 [=====>...] - ETA: 2:12 -
    loss: 0.4062 - acc: 0.7894
4309 565/620 [=====>...] - ETA: 2:09 -
    loss: 0.4061 - acc: 0.7897
4310 566/620 [=====>...] - ETA: 2:07 -
    loss: 0.4060 - acc: 0.7897
4311 567/620 [=====>...] - ETA: 2:05 -
    loss: 0.4060 - acc: 0.7896
4312 568/620 [=====>...] - ETA: 2:02 -
    loss: 0.4060 - acc: 0.7896
4313 569/620 [=====>...] - ETA: 2:00 -
    loss: 0.4060 - acc: 0.7895
4314 570/620 [=====>...] - ETA: 1:58 -
    loss: 0.4060 - acc: 0.7895
4315 571/620 [=====>...] - ETA: 1:55 -
    loss: 0.4059 - acc: 0.7895
4316 572/620 [=====>...] - ETA: 1:53 -
    loss: 0.4059 - acc: 0.7896
4317 573/620 [=====>...] - ETA: 1:51 -
    loss: 0.4057 - acc: 0.7896
4318 574/620 [=====>...] - ETA: 1:48 -
    loss: 0.4057 - acc: 0.7896
4319 575/620 [=====>...] - ETA: 1:46 -
    loss: 0.4058 - acc: 0.7895
4320 576/620 [=====>...] - ETA: 1:44 -
    loss: 0.4057 - acc: 0.7894
4321 577/620 [=====>...] - ETA: 1:41 -
    loss: 0.4060 - acc: 0.7892
4322 578/620 [=====>...] - ETA: 1:39 -
    loss: 0.4059 - acc: 0.7892
4323 579/620 [=====>...] - ETA: 1:37 -
    loss: 0.4058 - acc: 0.7892
4324 580/620 [=====>...] - ETA: 1:34 -
    loss: 0.4057 - acc: 0.7893
4325 581/620 [=====>...] - ETA: 1:32 -
    loss: 0.4055 - acc: 0.7894
```

File - cnn_2D_model

```
4326 582/620 [=====>..] - ETA: 1:29 -
    loss: 0.4056 - acc: 0.7892
4327 583/620 [=====>..] - ETA: 1:27 -
    loss: 0.4055 - acc: 0.7892
4328 584/620 [=====>..] - ETA: 1:25 -
    loss: 0.4057 - acc: 0.7892
4329 585/620 [=====>..] - ETA: 1:22 -
    loss: 0.4057 - acc: 0.7891
4330 586/620 [=====>..] - ETA: 1:20 -
    loss: 0.4056 - acc: 0.7892
4331 587/620 [=====>..] - ETA: 1:18 -
    loss: 0.4057 - acc: 0.7892
4332 588/620 [=====>..] - ETA: 1:15 -
    loss: 0.4056 - acc: 0.7894
4333 589/620 [=====>..] - ETA: 1:13 -
    loss: 0.4054 - acc: 0.7896
4334 590/620 [=====>..] - ETA: 1:11 -
    loss: 0.4053 - acc: 0.7897
4335 591/620 [=====>..] - ETA: 1:08 -
    loss: 0.4053 - acc: 0.7896
4336 592/620 [=====>..] - ETA: 1:06 -
    loss: 0.4054 - acc: 0.7895
4337 593/620 [=====>..] - ETA: 1:04 -
    loss: 0.4053 - acc: 0.7896
4338 594/620 [=====>..] - ETA: 1:01 -
    loss: 0.4052 - acc: 0.7898
4339 595/620 [=====>..] - ETA: 59s -
    loss: 0.4054 - acc: 0.7896
4340 596/620 [=====>..] - ETA: 56s -
    loss: 0.4052 - acc: 0.7897
4341 597/620 [=====>..] - ETA: 54s -
    loss: 0.4053 - acc: 0.7896
4342 598/620 [=====>..] - ETA: 52s -
    loss: 0.4053 - acc: 0.7897
4343 599/620 [=====>..] - ETA: 49s -
    loss: 0.4054 - acc: 0.7895
4344 600/620 [=====>..] - ETA: 47s -
    loss: 0.4054 - acc: 0.7893
4345 601/620 [=====>..] - ETA: 45s -
    loss: 0.4054 - acc: 0.7893
4346 602/620 [=====>..] - ETA: 42s -
    loss: 0.4053 - acc: 0.7894
4347 603/620 [=====>..] - ETA: 40s -
    loss: 0.4054 - acc: 0.7894
4348 604/620 [=====>..] - ETA: 38s -
```

File - cnn_2D_model

```
4348 loss: 0.4054 - acc: 0.7894
4349 605/620 [=====>.] - ETA: 35s -
    loss: 0.4052 - acc: 0.7895
4350 606/620 [=====>.] - ETA: 33s -
    loss: 0.4052 - acc: 0.7892
4351 607/620 [=====>.] - ETA: 30s -
    loss: 0.4051 - acc: 0.7892
4352 608/620 [=====>.] - ETA: 28s -
    loss: 0.4050 - acc: 0.7893
4353 609/620 [=====>.] - ETA: 26s -
    loss: 0.4050 - acc: 0.7892
4354 610/620 [=====>.] - ETA: 23s -
    loss: 0.4054 - acc: 0.7888
4355 611/620 [=====>.] - ETA: 21s -
    loss: 0.4052 - acc: 0.7890
4356 612/620 [=====>.] - ETA: 19s -
    loss: 0.4050 - acc: 0.7891
4357 613/620 [=====>.] - ETA: 16s -
    loss: 0.4050 - acc: 0.7891
4358 614/620 [=====>.] - ETA: 14s -
    loss: 0.4049 - acc: 0.7892
4359 615/620 [=====>.] - ETA: 11s -
    loss: 0.4047 - acc: 0.7893
4360 616/620 [=====>.] - ETA: 9s -
    loss: 0.4047 - acc: 0.7893
4361 617/620 [=====>.] - ETA: 7s -
    loss: 0.4047 - acc: 0.7893
4362 618/620 [=====>.] - ETA: 4s -
    loss: 0.4048 - acc: 0.7893
4363 619/620 [=====>.] - ETA: 2s -
    loss: 0.4047 - acc: 0.7895
4364 620/620 [=====] - 1525s 2s/step
    - loss: 0.4047 - acc: 0.7894 - val_loss: 0.6696 -
    val_acc: 0.7451
4365 Epoch 8/10
4366
4367 1/620 [.....] - ETA: 30:08 -
    loss: 0.2606 - acc: 0.8438
4368 2/620 [.....] - ETA: 30:00 -
    loss: 0.3450 - acc: 0.7812
4369 3/620 [.....] - ETA: 29:17 -
    loss: 0.3519 - acc: 0.8021
4370 4/620 [.....] - ETA: 30:31 -
    loss: 0.3983 - acc: 0.7734
4371 5/620 [.....] - ETA: 30:25 -
```

```
4371 loss: 0.4044 - acc: 0.7875
4372 6/620 [.....] - ETA: 30:32 -
    loss: 0.3878 - acc: 0.7969
4373 7/620 [.....] - ETA: 30:03 -
    loss: 0.3828 - acc: 0.8036
4374 8/620 [.....] - ETA: 30:20 -
    loss: 0.3969 - acc: 0.7852
4375 9/620 [.....] - ETA: 30:31 -
    loss: 0.3886 - acc: 0.8021
4376 10/620 [.....] - ETA: 30:19 -
    loss: 0.3708 - acc: 0.8125
4377 11/620 [.....] - ETA: 30:22 -
    loss: 0.3733 - acc: 0.8097
4378 12/620 [.....] - ETA: 30:39 -
    loss: 0.3708 - acc: 0.8151
4379 13/620 [.....] - ETA: 30:27 -
    loss: 0.3670 - acc: 0.8173
4380 14/620 [.....] - ETA: 30:15 -
    loss: 0.3715 - acc: 0.8147
4381 15/620 [.....] - ETA: 30:05 -
    loss: 0.3749 - acc: 0.8146
4382 16/620 [.....] - ETA: 30:15 -
    loss: 0.3713 - acc: 0.8203
4383 17/620 [.....] - ETA: 30:22 -
    loss: 0.3706 - acc: 0.8162
4384 18/620 [.....] - ETA: 30:03 -
    loss: 0.3670 - acc: 0.8194
4385 19/620 [.....] - ETA: 29:54 -
    loss: 0.3726 - acc: 0.8158
4386 20/620 [.....] - ETA: 29:00 -
    loss: 0.3793 - acc: 0.8125
4387 21/620 [>.....] - ETA: 29:15 -
    loss: 0.3784 - acc: 0.8155
4388 22/620 [>.....] - ETA: 29:10 -
    loss: 0.3803 - acc: 0.8139
4389 23/620 [>.....] - ETA: 29:08 -
    loss: 0.3787 - acc: 0.8152
4390 24/620 [>.....] - ETA: 29:10 -
    loss: 0.3749 - acc: 0.8190
4391 25/620 [>.....] - ETA: 29:08 -
    loss: 0.3795 - acc: 0.8137
4392 26/620 [>.....] - ETA: 29:04 -
    loss: 0.3825 - acc: 0.8125
4393 27/620 [>.....] - ETA: 28:56 -
    loss: 0.3792 - acc: 0.8148
```

File - cnn_2D_model

```
4394 28/620 [>.....] - ETA: 28:58 -
    loss: 0.3763 - acc: 0.8170
4395 29/620 [>.....] - ETA: 28:49 -
    loss: 0.3772 - acc: 0.8147
4396 30/620 [>.....] - ETA: 28:37 -
    loss: 0.3751 - acc: 0.8177
4397 31/620 [>.....] - ETA: 28:30 -
    loss: 0.3755 - acc: 0.8175
4398 32/620 [>.....] - ETA: 28:31 -
    loss: 0.3779 - acc: 0.8174
4399 33/620 [>.....] - ETA: 28:23 -
    loss: 0.3796 - acc: 0.8163
4400 34/620 [>.....] - ETA: 28:20 -
    loss: 0.3832 - acc: 0.8189
4401 35/620 [>.....] - ETA: 28:11 -
    loss: 0.3822 - acc: 0.8196
4402 36/620 [>.....] - ETA: 28:07 -
    loss: 0.3841 - acc: 0.8168
4403 37/620 [>.....] - ETA: 28:01 -
    loss: 0.3846 - acc: 0.8159
4404 38/620 [>.....] - ETA: 27:52 -
    loss: 0.3853 - acc: 0.8158
4405 39/620 [>.....] - ETA: 27:47 -
    loss: 0.3877 - acc: 0.8109
4406 40/620 [>.....] - ETA: 27:19 -
    loss: 0.3871 - acc: 0.8115
4407 41/620 [>.....] - ETA: 27:13 -
    loss: 0.3870 - acc: 0.8084
4408 42/620 [=>.....] - ETA: 27:07 -
    loss: 0.3866 - acc: 0.8085
4409 43/620 [=>.....] - ETA: 27:07 -
    loss: 0.3880 - acc: 0.8079
4410 44/620 [=>.....] - ETA: 27:10 -
    loss: 0.3863 - acc: 0.8094
4411 45/620 [=>.....] - ETA: 27:10 -
    loss: 0.3867 - acc: 0.8088
4412 46/620 [=>.....] - ETA: 27:02 -
    loss: 0.3877 - acc: 0.8082
4413 47/620 [=>.....] - ETA: 26:55 -
    loss: 0.3874 - acc: 0.8076
4414 48/620 [=>.....] - ETA: 26:49 -
    loss: 0.3853 - acc: 0.8090
4415 49/620 [=>.....] - ETA: 26:44 -
    loss: 0.3849 - acc: 0.8091
4416 50/620 [=>.....] - ETA: 26:40 -
```

File - cnn_2D_model

```
4416 loss: 0.3877 - acc: 0.8067
4417 51/620 [=>.....] - ETA: 26:36 -
    loss: 0.3887 - acc: 0.8068
4418 52/620 [=>.....] - ETA: 26:30 -
    loss: 0.3878 - acc: 0.8063
4419 53/620 [=>.....] - ETA: 26:28 -
    loss: 0.3877 - acc: 0.8064
4420 54/620 [=>.....] - ETA: 26:23 -
    loss: 0.3867 - acc: 0.8071
4421 55/620 [=>.....] - ETA: 26:17 -
    loss: 0.3892 - acc: 0.8072
4422 56/620 [=>.....] - ETA: 26:12 -
    loss: 0.3890 - acc: 0.8078
4423 57/620 [=>.....] - ETA: 26:11 -
    loss: 0.3889 - acc: 0.8074
4424 58/620 [=>.....] - ETA: 26:07 -
    loss: 0.3872 - acc: 0.8091
4425 59/620 [=>.....] - ETA: 26:03 -
    loss: 0.3862 - acc: 0.8086
4426 60/620 [=>.....] - ETA: 25:45 -
    loss: 0.3862 - acc: 0.8090
4427 61/620 [=>.....] - ETA: 25:40 -
    loss: 0.3861 - acc: 0.8086
4428 62/620 [==>.....] - ETA: 25:39 -
    loss: 0.3857 - acc: 0.8096
4429 63/620 [==>.....] - ETA: 25:38 -
    loss: 0.3844 - acc: 0.8102
4430 64/620 [==>.....] - ETA: 25:33 -
    loss: 0.3842 - acc: 0.8097
4431 65/620 [==>.....] - ETA: 25:30 -
    loss: 0.3870 - acc: 0.8069
4432 66/620 [==>.....] - ETA: 25:29 -
    loss: 0.3887 - acc: 0.8065
4433 67/620 [==>.....] - ETA: 25:30 -
    loss: 0.3888 - acc: 0.8066
4434 68/620 [==>.....] - ETA: 25:32 -
    loss: 0.3884 - acc: 0.8076
4435 69/620 [==>.....] - ETA: 25:26 -
    loss: 0.3888 - acc: 0.8072
4436 70/620 [==>.....] - ETA: 25:21 -
    loss: 0.3884 - acc: 0.8068
4437 71/620 [==>.....] - ETA: 25:18 -
    loss: 0.3876 - acc: 0.8074
4438 72/620 [==>.....] - ETA: 25:15 -
    loss: 0.3873 - acc: 0.8083
```

File - cnn_2D_model

```
4439 73/620 [==>.....] - ETA: 25:10 -
    loss: 0.3873 - acc: 0.8084
4440 74/620 [==>.....] - ETA: 25:06 -
    loss: 0.3864 - acc: 0.8088
4441 75/620 [==>.....] - ETA: 25:01 -
    loss: 0.3871 - acc: 0.8076
4442 76/620 [==>.....] - ETA: 24:58 -
    loss: 0.3872 - acc: 0.8077
4443 77/620 [==>.....] - ETA: 24:57 -
    loss: 0.3861 - acc: 0.8090
4444 78/620 [==>.....] - ETA: 24:55 -
    loss: 0.3869 - acc: 0.8082
4445 79/620 [==>.....] - ETA: 24:53 -
    loss: 0.3872 - acc: 0.8075
4446 80/620 [==>.....] - ETA: 24:40 -
    loss: 0.3878 - acc: 0.8078
4447 81/620 [==>.....] - ETA: 24:37 -
    loss: 0.3871 - acc: 0.8086
4448 82/620 [==>.....] - ETA: 24:34 -
    loss: 0.3867 - acc: 0.8095
4449 83/620 [==>.....] - ETA: 24:31 -
    loss: 0.3845 - acc: 0.8102
4450 84/620 [==>.....] - ETA: 24:28 -
    loss: 0.3832 - acc: 0.8106
4451 85/620 [==>.....] - ETA: 24:26 -
    loss: 0.3841 - acc: 0.8107
4452 86/620 [==>.....] - ETA: 24:25 -
    loss: 0.3842 - acc: 0.8110
4453 87/620 [==>.....] - ETA: 24:23 -
    loss: 0.3865 - acc: 0.8096
4454 88/620 [==>.....] - ETA: 24:19 -
    loss: 0.3869 - acc: 0.8093
4455 89/620 [==>.....] - ETA: 24:14 -
    loss: 0.3862 - acc: 0.8097
4456 90/620 [==>.....] - ETA: 24:10 -
    loss: 0.3861 - acc: 0.8087
4457 91/620 [==>.....] - ETA: 24:07 -
    loss: 0.3853 - acc: 0.8094
4458 92/620 [==>.....] - ETA: 24:02 -
    loss: 0.3857 - acc: 0.8098
4459 93/620 [==>.....] - ETA: 23:58 -
    loss: 0.3852 - acc: 0.8101
4460 94/620 [==>.....] - ETA: 23:53 -
    loss: 0.3856 - acc: 0.8088
4461 95/620 [==>.....] - ETA: 23:50 -
```

File - cnn_2D_model

```
4461 loss: 0.3865 - acc: 0.8076
4462 96/620 [==>.....] - ETA: 23:46 -
    loss: 0.3865 - acc: 0.8070
4463 97/620 [==>.....] - ETA: 23:43 -
    loss: 0.3861 - acc: 0.8073
4464 98/620 [==>.....] - ETA: 23:41 -
    loss: 0.3864 - acc: 0.8068
4465 99/620 [==>.....] - ETA: 23:39 -
    loss: 0.3861 - acc: 0.8065
4466 100/620 [==>.....] - ETA: 23:29 -
    loss: 0.3882 - acc: 0.8059
4467 101/620 [==>.....] - ETA: 23:26 -
    loss: 0.3881 - acc: 0.8063
4468 102/620 [==>.....] - ETA: 23:24 -
    loss: 0.3880 - acc: 0.8061
4469 103/620 [==>.....] - ETA: 23:22 -
    loss: 0.3883 - acc: 0.8055
4470 104/620 [==>.....] - ETA: 23:18 -
    loss: 0.3889 - acc: 0.8053
4471 105/620 [==>.....] - ETA: 23:14 -
    loss: 0.3881 - acc: 0.8060
4472 106/620 [==>.....] - ETA: 23:11 -
    loss: 0.3882 - acc: 0.8051
4473 107/620 [==>.....] - ETA: 23:09 -
    loss: 0.3887 - acc: 0.8049
4474 108/620 [==>.....] - ETA: 23:05 -
    loss: 0.3889 - acc: 0.8053
4475 109/620 [==>.....] - ETA: 23:03 -
    loss: 0.3899 - acc: 0.8053
4476 110/620 [==>.....] - ETA: 23:00 -
    loss: 0.3906 - acc: 0.8051
4477 111/620 [==>.....] - ETA: 23:00 -
    loss: 0.3900 - acc: 0.8049
4478 112/620 [==>.....] - ETA: 22:57 -
    loss: 0.3908 - acc: 0.8041
4479 113/620 [==>.....] - ETA: 22:53 -
    loss: 0.3909 - acc: 0.8042
4480 114/620 [==>.....] - ETA: 22:50 -
    loss: 0.3902 - acc: 0.8048
4481 115/620 [==>.....] - ETA: 22:46 -
    loss: 0.3902 - acc: 0.8043
4482 116/620 [==>.....] - ETA: 22:43 -
    loss: 0.3900 - acc: 0.8041
4483 117/620 [==>.....] - ETA: 22:41 -
    loss: 0.3892 - acc: 0.8053
```

File - cnn_2D_model

```
4484 118/620 [=====>.....] - ETA: 22:37 -
    loss: 0.3897 - acc: 0.8046
4485 119/620 [=====>.....] - ETA: 22:35 -
    loss: 0.3898 - acc: 0.8046
4486 120/620 [=====>.....] - ETA: 22:26 -
    loss: 0.3881 - acc: 0.8056
4487 121/620 [=====>.....] - ETA: 22:23 -
    loss: 0.3881 - acc: 0.8056
4488 122/620 [=====>.....] - ETA: 22:21 -
    loss: 0.3870 - acc: 0.8062
4489 123/620 [=====>.....] - ETA: 22:17 -
    loss: 0.3863 - acc: 0.8062
4490 124/620 [=====>.....] - ETA: 22:14 -
    loss: 0.3881 - acc: 0.8060
4491 125/620 [=====>.....] - ETA: 22:12 -
    loss: 0.3878 - acc: 0.8058
4492 126/620 [=====>.....] - ETA: 22:09 -
    loss: 0.3879 - acc: 0.8059
4493 127/620 [=====>.....] - ETA: 22:06 -
    loss: 0.3885 - acc: 0.8059
4494 128/620 [=====>.....] - ETA: 22:03 -
    loss: 0.3884 - acc: 0.8062
4495 129/620 [=====>.....] - ETA: 22:00 -
    loss: 0.3890 - acc: 0.8058
4496 130/620 [=====>.....] - ETA: 21:58 -
    loss: 0.3883 - acc: 0.8061
4497 131/620 [=====>.....] - ETA: 21:56 -
    loss: 0.3888 - acc: 0.8054
4498 132/620 [=====>.....] - ETA: 21:52 -
    loss: 0.3895 - acc: 0.8041
4499 133/620 [=====>.....] - ETA: 21:49 -
    loss: 0.3891 - acc: 0.8041
4500 134/620 [=====>.....] - ETA: 21:45 -
    loss: 0.3891 - acc: 0.8042
4501 135/620 [=====>.....] - ETA: 21:44 -
    loss: 0.3905 - acc: 0.8033
4502 136/620 [=====>.....] - ETA: 21:41 -
    loss: 0.3904 - acc: 0.8036
4503 137/620 [=====>.....] - ETA: 21:38 -
    loss: 0.3903 - acc: 0.8041
4504 138/620 [=====>.....] - ETA: 21:36 -
    loss: 0.3902 - acc: 0.8040
4505 139/620 [=====>.....] - ETA: 21:33 -
    loss: 0.3902 - acc: 0.8036
4506 140/620 [=====>.....] - ETA: 21:26 -
```

File - cnn_2D_model

```
4506 loss: 0.3893 - acc: 0.8044
4507 141/620 [=====>.....] - ETA: 21:24 -
    loss: 0.3885 - acc: 0.8049
4508 142/620 [=====>.....] - ETA: 21:21 -
    loss: 0.3890 - acc: 0.8043
4509 143/620 [=====>.....] - ETA: 21:19 -
    loss: 0.3881 - acc: 0.8048
4510 144/620 [=====>.....] - ETA: 21:17 -
    loss: 0.3883 - acc: 0.8044
4511 145/620 [=====>.....] - ETA: 21:15 -
    loss: 0.3875 - acc: 0.8051
4512 146/620 [=====>.....] - ETA: 21:12 -
    loss: 0.3867 - acc: 0.8054
4513 147/620 [=====>.....] - ETA: 21:10 -
    loss: 0.3869 - acc: 0.8050
4514 148/620 [=====>.....] - ETA: 21:07 -
    loss: 0.3863 - acc: 0.8053
4515 149/620 [=====>.....] - ETA: 21:05 -
    loss: 0.3855 - acc: 0.8059
4516 150/620 [=====>.....] - ETA: 21:02 -
    loss: 0.3865 - acc: 0.8049
4517 151/620 [=====>.....] - ETA: 20:58 -
    loss: 0.3860 - acc: 0.8052
4518 152/620 [=====>.....] - ETA: 20:55 -
    loss: 0.3857 - acc: 0.8054
4519 153/620 [=====>.....] - ETA: 20:52 -
    loss: 0.3864 - acc: 0.8051
4520 154/620 [=====>.....] - ETA: 20:52 -
    loss: 0.3868 - acc: 0.8045
4521 155/620 [=====>.....] - ETA: 20:51 -
    loss: 0.3868 - acc: 0.8044
4522 156/620 [=====>.....] - ETA: 20:49 -
    loss: 0.3861 - acc: 0.8046
4523 157/620 [=====>.....] - ETA: 20:46 -
    loss: 0.3859 - acc: 0.8045
4524 158/620 [=====>.....] - ETA: 20:46 -
    loss: 0.3870 - acc: 0.8035
4525 159/620 [=====>.....] - ETA: 20:45 -
    loss: 0.3885 - acc: 0.8028
4526 160/620 [=====>.....] - ETA: 20:38 -
    loss: 0.3901 - acc: 0.8014
4527 161/620 [=====>.....] - ETA: 20:35 -
    loss: 0.3898 - acc: 0.8011
4528 162/620 [=====>.....] - ETA: 20:34 -
    loss: 0.3898 - acc: 0.8012
```

File - cnn_2D_model

```
4529 163/620 [=====>.....] - ETA: 20:33 -
    loss: 0.3900 - acc: 0.8009
4530 164/620 [=====>.....] - ETA: 20:32 -
    loss: 0.3906 - acc: 0.8002
4531 165/620 [=====>.....] - ETA: 20:29 -
    loss: 0.3915 - acc: 0.7989
4532 166/620 [=====>.....] - ETA: 20:26 -
    loss: 0.3914 - acc: 0.7992
4533 167/620 [=====>.....] - ETA: 20:23 -
    loss: 0.3924 - acc: 0.7987
4534 168/620 [=====>.....] - ETA: 20:20 -
    loss: 0.3919 - acc: 0.7992
4535 169/620 [=====>.....] - ETA: 20:16 -
    loss: 0.3910 - acc: 0.8000
4536 170/620 [=====>.....] - ETA: 20:13 -
    loss: 0.3909 - acc: 0.8001
4537 171/620 [=====>.....] - ETA: 20:10 -
    loss: 0.3909 - acc: 0.8001
4538 172/620 [=====>.....] - ETA: 20:07 -
    loss: 0.3913 - acc: 0.8000
4539 173/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3908 - acc: 0.8003
4540 174/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3905 - acc: 0.8003
4541 175/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3908 - acc: 0.8001
4542 176/620 [=====>.....] - ETA: 20:01 -
    loss: 0.3908 - acc: 0.8005
4543 177/620 [=====>.....] - ETA: 20:02 -
    loss: 0.3908 - acc: 0.8006
4544 178/620 [=====>.....] - ETA: 20:01 -
    loss: 0.3904 - acc: 0.8011
4545 179/620 [=====>.....] - ETA: 20:00 -
    loss: 0.3905 - acc: 0.8010
4546 180/620 [=====>.....] - ETA: 19:55 -
    loss: 0.3890 - acc: 0.8017
4547 181/620 [=====>.....] - ETA: 19:54 -
    loss: 0.3879 - acc: 0.8024
4548 182/620 [=====>.....] - ETA: 19:55 -
    loss: 0.3881 - acc: 0.8020
4549 183/620 [=====>.....] - ETA: 19:55 -
    loss: 0.3889 - acc: 0.8015
4550 184/620 [=====>.....] - ETA: 19:53 -
    loss: 0.3895 - acc: 0.8014
4551 185/620 [=====>.....] - ETA: 19:51 -
```

```
4551 loss: 0.3896 - acc: 0.8013
4552 186/620 [=====>.....] - ETA: 19:48 -
    loss: 0.3894 - acc: 0.8014
4553 187/620 [=====>.....] - ETA: 19:45 -
    loss: 0.3892 - acc: 0.8012
4554 188/620 [=====>.....] - ETA: 19:43 -
    loss: 0.3892 - acc: 0.8010
4555 189/620 [=====>.....] - ETA: 19:40 -
    loss: 0.3896 - acc: 0.8007
4556 190/620 [=====>.....] - ETA: 19:37 -
    loss: 0.3897 - acc: 0.8003
4557 191/620 [=====>.....] - ETA: 19:35 -
    loss: 0.3895 - acc: 0.8003
4558 192/620 [=====>.....] - ETA: 19:32 -
    loss: 0.3893 - acc: 0.8002
4559 193/620 [=====>.....] - ETA: 19:30 -
    loss: 0.3889 - acc: 0.8005
4560 194/620 [=====>.....] - ETA: 19:27 -
    loss: 0.3887 - acc: 0.8008
4561 195/620 [=====>.....] - ETA: 19:26 -
    loss: 0.3889 - acc: 0.8009
4562 196/620 [=====>.....] - ETA: 19:23 -
    loss: 0.3887 - acc: 0.8005
4563 197/620 [=====>.....] - ETA: 19:21 -
    loss: 0.3890 - acc: 0.8002
4564 198/620 [=====>.....] - ETA: 19:18 -
    loss: 0.3896 - acc: 0.7997
4565 199/620 [=====>.....] - ETA: 19:17 -
    loss: 0.3900 - acc: 0.7994
4566 200/620 [=====>.....] - ETA: 19:11 -
    loss: 0.3889 - acc: 0.8000
4567 201/620 [=====>.....] - ETA: 19:08 -
    loss: 0.3890 - acc: 0.7999
4568 202/620 [=====>.....] - ETA: 19:05 -
    loss: 0.3891 - acc: 0.7997
4569 203/620 [=====>.....] - ETA: 19:02 -
    loss: 0.3891 - acc: 0.7996
4570 204/620 [=====>.....] - ETA: 19:00 -
    loss: 0.3885 - acc: 0.8001
4571 205/620 [=====>.....] - ETA: 18:57 -
    loss: 0.3885 - acc: 0.8002
4572 206/620 [=====>.....] - ETA: 18:55 -
    loss: 0.3891 - acc: 0.7999
4573 207/620 [=====>.....] - ETA: 18:52 -
    loss: 0.3892 - acc: 0.7998
```

File - cnn_2D_model

```
4574 208/620 [=====>.....] - ETA: 18:49 -
    loss: 0.3894 - acc: 0.7994
4575 209/620 [=====>.....] - ETA: 18:46 -
    loss: 0.3894 - acc: 0.7990
4576 210/620 [=====>.....] - ETA: 18:42 -
    loss: 0.3890 - acc: 0.7997
4577 211/620 [=====>.....] - ETA: 18:39 -
    loss: 0.3887 - acc: 0.7998
4578 212/620 [=====>.....] - ETA: 18:36 -
    loss: 0.3882 - acc: 0.8000
4579 213/620 [=====>.....] - ETA: 18:32 -
    loss: 0.3885 - acc: 0.7997
4580 214/620 [=====>.....] - ETA: 18:29 -
    loss: 0.3885 - acc: 0.7998
4581 215/620 [=====>.....] - ETA: 18:26 -
    loss: 0.3891 - acc: 0.7993
4582 216/620 [=====>.....] - ETA: 18:23 -
    loss: 0.3886 - acc: 0.7998
4583 217/620 [=====>.....] - ETA: 18:20 -
    loss: 0.3886 - acc: 0.7995
4584 218/620 [=====>.....] - ETA: 18:17 -
    loss: 0.3885 - acc: 0.7997
4585 219/620 [=====>.....] - ETA: 18:15 -
    loss: 0.3885 - acc: 0.7995
4586 220/620 [=====>.....] - ETA: 18:11 -
    loss: 0.3878 - acc: 0.8000
4587 221/620 [=====>.....] - ETA: 18:08 -
    loss: 0.3880 - acc: 0.8001
4588 222/620 [=====>.....] - ETA: 18:07 -
    loss: 0.3872 - acc: 0.8004
4589 223/620 [=====>.....] - ETA: 18:05 -
    loss: 0.3872 - acc: 0.8004
4590 224/620 [=====>.....] - ETA: 18:04 -
    loss: 0.3881 - acc: 0.7997
4591 225/620 [=====>.....] - ETA: 18:03 -
    loss: 0.3873 - acc: 0.8005
4592 226/620 [=====>.....] - ETA: 18:01 -
    loss: 0.3880 - acc: 0.8000
4593 227/620 [=====>.....] - ETA: 18:00 -
    loss: 0.3875 - acc: 0.8003
4594 228/620 [=====>.....] - ETA: 17:57 -
    loss: 0.3871 - acc: 0.8008
4595 229/620 [=====>.....] - ETA: 17:54 -
    loss: 0.3873 - acc: 0.8003
4596 230/620 [=====>.....] - ETA: 17:52 -
```

```
4596 loss: 0.3877 - acc: 0.7995
4597 231/620 [=====>.....] - ETA: 17:49 -
    loss: 0.3879 - acc: 0.7992
4598 232/620 [=====>.....] - ETA: 17:47 -
    loss: 0.3877 - acc: 0.7996
4599 233/620 [=====>.....] - ETA: 17:44 -
    loss: 0.3878 - acc: 0.7997
4600 234/620 [=====>.....] - ETA: 17:41 -
    loss: 0.3873 - acc: 0.7999
4601 235/620 [=====>.....] - ETA: 17:38 -
    loss: 0.3871 - acc: 0.8000
4602 236/620 [=====>.....] - ETA: 17:36 -
    loss: 0.3870 - acc: 0.8002
4603 237/620 [=====>.....] - ETA: 17:34 -
    loss: 0.3862 - acc: 0.8009
4604 238/620 [=====>.....] - ETA: 17:31 -
    loss: 0.3867 - acc: 0.8006
4605 239/620 [=====>.....] - ETA: 17:29 -
    loss: 0.3867 - acc: 0.8008
4606 240/620 [=====>.....] - ETA: 17:23 -
    loss: 0.3863 - acc: 0.8013
4607 241/620 [=====>.....] - ETA: 17:21 -
    loss: 0.3854 - acc: 0.8020
4608 242/620 [=====>.....] - ETA: 17:18 -
    loss: 0.3858 - acc: 0.8014
4609 243/620 [=====>.....] - ETA: 17:15 -
    loss: 0.3861 - acc: 0.8010
4610 244/620 [=====>.....] - ETA: 17:11 -
    loss: 0.3861 - acc: 0.8009
4611 245/620 [=====>.....] - ETA: 17:08 -
    loss: 0.3859 - acc: 0.8012
4612 246/620 [=====>.....] - ETA: 17:05 -
    loss: 0.3854 - acc: 0.8017
4613 247/620 [=====>.....] - ETA: 17:03 -
    loss: 0.3858 - acc: 0.8013
4614 248/620 [=====>.....] - ETA: 17:00 -
    loss: 0.3856 - acc: 0.8015
4615 249/620 [=====>.....] - ETA: 16:58 -
    loss: 0.3859 - acc: 0.8014
4616 250/620 [=====>.....] - ETA: 16:56 -
    loss: 0.3854 - acc: 0.8018
4617 251/620 [=====>.....] - ETA: 16:54 -
    loss: 0.3855 - acc: 0.8020
4618 252/620 [=====>.....] - ETA: 16:52 -
    loss: 0.3858 - acc: 0.8018
```

File - cnn_2D_model

```
4619 253/620 [=====>.....] - ETA: 16:50 -
    loss: 0.3856 - acc: 0.8017
4620 254/620 [=====>.....] - ETA: 16:49 -
    loss: 0.3857 - acc: 0.8016
4621 255/620 [=====>.....] - ETA: 16:48 -
    loss: 0.3853 - acc: 0.8020
4622 256/620 [=====>.....] - ETA: 16:47 -
    loss: 0.3854 - acc: 0.8021
4623 257/620 [=====>.....] - ETA: 16:45 -
    loss: 0.3852 - acc: 0.8021
4624 258/620 [=====>.....] - ETA: 16:43 -
    loss: 0.3856 - acc: 0.8020
4625 259/620 [=====>.....] - ETA: 16:40 -
    loss: 0.3857 - acc: 0.8017
4626 260/620 [=====>.....] - ETA: 16:36 -
    loss: 0.3860 - acc: 0.8012
4627 261/620 [=====>.....] - ETA: 16:33 -
    loss: 0.3856 - acc: 0.8016
4628 262/620 [=====>.....] - ETA: 16:31 -
    loss: 0.3856 - acc: 0.8019
4629 263/620 [=====>.....] - ETA: 16:28 -
    loss: 0.3858 - acc: 0.8016
4630 264/620 [=====>.....] - ETA: 16:25 -
    loss: 0.3858 - acc: 0.8014
4631 265/620 [=====>.....] - ETA: 16:22 -
    loss: 0.3858 - acc: 0.8012
4632 266/620 [=====>.....] - ETA: 16:19 -
    loss: 0.3861 - acc: 0.8011
4633 267/620 [=====>.....] - ETA: 16:16 -
    loss: 0.3861 - acc: 0.8011
4634 268/620 [=====>.....] - ETA: 16:13 -
    loss: 0.3858 - acc: 0.8014
4635 269/620 [=====>.....] - ETA: 16:11 -
    loss: 0.3859 - acc: 0.8013
4636 270/620 [=====>.....] - ETA: 16:10 -
    loss: 0.3855 - acc: 0.8016
4637 271/620 [=====>.....] - ETA: 16:07 -
    loss: 0.3860 - acc: 0.8012
4638 272/620 [=====>.....] - ETA: 16:05 -
    loss: 0.3854 - acc: 0.8017
4639 273/620 [=====>.....] - ETA: 16:02 -
    loss: 0.3853 - acc: 0.8019
4640 274/620 [=====>.....] - ETA: 15:59 -
    loss: 0.3850 - acc: 0.8022
4641 275/620 [=====>.....] - ETA: 15:56 -
```

```
4641 loss: 0.3851 - acc: 0.8022
4642 276/620 [=====>.....] - ETA: 15:54 -
    loss: 0.3856 - acc: 0.8020
4643 277/620 [=====>.....] - ETA: 15:51 -
    loss: 0.3852 - acc: 0.8022
4644 278/620 [=====>.....] - ETA: 15:48 -
    loss: 0.3848 - acc: 0.8024
4645 279/620 [=====>.....] - ETA: 15:46 -
    loss: 0.3846 - acc: 0.8024
4646 280/620 [=====>.....] - ETA: 15:42 -
    loss: 0.3840 - acc: 0.8031
4647 281/620 [=====>.....] - ETA: 15:39 -
    loss: 0.3838 - acc: 0.8033
4648 282/620 [=====>.....] - ETA: 15:37 -
    loss: 0.3841 - acc: 0.8032
4649 283/620 [=====>.....] - ETA: 15:34 -
    loss: 0.3842 - acc: 0.8034
4650 284/620 [=====>.....] - ETA: 15:31 -
    loss: 0.3841 - acc: 0.8034
4651 285/620 [=====>.....] - ETA: 15:29 -
    loss: 0.3839 - acc: 0.8034
4652 286/620 [=====>.....] - ETA: 15:26 -
    loss: 0.3840 - acc: 0.8035
4653 287/620 [=====>.....] - ETA: 15:23 -
    loss: 0.3834 - acc: 0.8039
4654 288/620 [=====>.....] - ETA: 15:20 -
    loss: 0.3833 - acc: 0.8039
4655 289/620 [=====>.....] - ETA: 15:17 -
    loss: 0.3834 - acc: 0.8038
4656 290/620 [=====>.....] - ETA: 15:14 -
    loss: 0.3837 - acc: 0.8037
4657 291/620 [=====>.....] - ETA: 15:11 -
    loss: 0.3838 - acc: 0.8035
4658 292/620 [=====>.....] - ETA: 15:08 -
    loss: 0.3834 - acc: 0.8037
4659 293/620 [=====>.....] - ETA: 15:05 -
    loss: 0.3841 - acc: 0.8034
4660 294/620 [=====>.....] - ETA: 15:03 -
    loss: 0.3841 - acc: 0.8036
4661 295/620 [=====>.....] - ETA: 15:00 -
    loss: 0.3842 - acc: 0.8035
4662 296/620 [=====>.....] - ETA: 14:57 -
    loss: 0.3845 - acc: 0.8033
4663 297/620 [=====>.....] - ETA: 14:54 -
    loss: 0.3845 - acc: 0.8033
```

File - cnn_2D_model

```
4664 298/620 [=====>.....] - ETA: 14:51 -
    loss: 0.3842 - acc: 0.8035
4665 299/620 [=====>.....] - ETA: 14:49 -
    loss: 0.3841 - acc: 0.8036
4666 300/620 [=====>.....] - ETA: 14:44 -
    loss: 0.3838 - acc: 0.8037
4667 301/620 [=====>.....] - ETA: 14:41 -
    loss: 0.3837 - acc: 0.8037
4668 302/620 [=====>.....] - ETA: 14:39 -
    loss: 0.3836 - acc: 0.8037
4669 303/620 [=====>.....] - ETA: 14:36 -
    loss: 0.3834 - acc: 0.8038
4670 304/620 [=====>.....] - ETA: 14:34 -
    loss: 0.3832 - acc: 0.8041
4671 305/620 [=====>.....] - ETA: 14:31 -
    loss: 0.3835 - acc: 0.8040
4672 306/620 [=====>.....] - ETA: 14:29 -
    loss: 0.3833 - acc: 0.8040
4673 307/620 [=====>.....] - ETA: 14:26 -
    loss: 0.3830 - acc: 0.8041
4674 308/620 [=====>.....] - ETA: 14:23 -
    loss: 0.3830 - acc: 0.8045
4675 309/620 [=====>.....] - ETA: 14:20 -
    loss: 0.3829 - acc: 0.8044
4676 310/620 [=====>.....] - ETA: 14:18 -
    loss: 0.3834 - acc: 0.8042
4677 311/620 [=====>.....] - ETA: 14:15 -
    loss: 0.3839 - acc: 0.8039
4678 312/620 [=====>.....] - ETA: 14:13 -
    loss: 0.3837 - acc: 0.8041
4679 313/620 [=====>.....] - ETA: 14:10 -
    loss: 0.3836 - acc: 0.8042
4680 314/620 [=====>.....] - ETA: 14:07 -
    loss: 0.3836 - acc: 0.8042
4681 315/620 [=====>.....] - ETA: 14:04 -
    loss: 0.3832 - acc: 0.8044
4682 316/620 [=====>.....] - ETA: 14:01 -
    loss: 0.3836 - acc: 0.8041
4683 317/620 [=====>.....] - ETA: 13:58 -
    loss: 0.3842 - acc: 0.8037
4684 318/620 [=====>.....] - ETA: 13:55 -
    loss: 0.3845 - acc: 0.8034
4685 319/620 [=====>.....] - ETA: 13:52 -
    loss: 0.3845 - acc: 0.8035
4686 320/620 [=====>.....] - ETA: 13:48 -
```

```
4686 loss: 0.3842 - acc: 0.8041
4687 321/620 [=====>.....] - ETA: 13:45 -
    loss: 0.3843 - acc: 0.8038
4688 322/620 [=====>.....] - ETA: 13:42 -
    loss: 0.3844 - acc: 0.8036
4689 323/620 [=====>.....] - ETA: 13:40 -
    loss: 0.3838 - acc: 0.8041
4690 324/620 [=====>.....] - ETA: 13:37 -
    loss: 0.3836 - acc: 0.8044
4691 325/620 [=====>.....] - ETA: 13:34 -
    loss: 0.3835 - acc: 0.8046
4692 326/620 [=====>.....] - ETA: 13:32 -
    loss: 0.3831 - acc: 0.8048
4693 327/620 [=====>.....] - ETA: 13:29 -
    loss: 0.3829 - acc: 0.8049
4694 328/620 [=====>.....] - ETA: 13:26 -
    loss: 0.3832 - acc: 0.8047
4695 329/620 [=====>.....] - ETA: 13:23 -
    loss: 0.3832 - acc: 0.8050
4696 330/620 [=====>.....] - ETA: 13:21 -
    loss: 0.3830 - acc: 0.8052
4697 331/620 [=====>.....] - ETA: 13:18 -
    loss: 0.3833 - acc: 0.8045
4698 332/620 [=====>.....] - ETA: 13:15 -
    loss: 0.3836 - acc: 0.8043
4699 333/620 [=====>.....] - ETA: 13:13 -
    loss: 0.3837 - acc: 0.8040
4700 334/620 [=====>.....] - ETA: 13:11 -
    loss: 0.3838 - acc: 0.8041
4701 335/620 [=====>.....] - ETA: 13:08 -
    loss: 0.3840 - acc: 0.8041
4702 336/620 [=====>.....] - ETA: 13:06 -
    loss: 0.3843 - acc: 0.8039
4703 337/620 [=====>.....] - ETA: 13:04 -
    loss: 0.3844 - acc: 0.8036
4704 338/620 [=====>.....] - ETA: 13:01 -
    loss: 0.3851 - acc: 0.8030
4705 339/620 [=====>.....] - ETA: 12:58 -
    loss: 0.3852 - acc: 0.8029
4706 340/620 [=====>.....] - ETA: 12:54 -
    loss: 0.3851 - acc: 0.8032
4707 341/620 [=====>.....] - ETA: 12:51 -
    loss: 0.3853 - acc: 0.8032
4708 342/620 [=====>.....] - ETA: 12:48 -
    loss: 0.3858 - acc: 0.8032
```

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```
4709 343/620 [=====>.....] - ETA: 12:45 -
    loss: 0.3856 - acc: 0.8032
4710 344/620 [=====>.....] - ETA: 12:43 -
    loss: 0.3856 - acc: 0.8031
4711 345/620 [=====>.....] - ETA: 12:40 -
    loss: 0.3852 - acc: 0.8034
4712 346/620 [=====>.....] - ETA: 12:38 -
    loss: 0.3857 - acc: 0.8033
4713 347/620 [=====>.....] - ETA: 12:35 -
    loss: 0.3854 - acc: 0.8034
4714 348/620 [=====>.....] - ETA: 12:33 -
    loss: 0.3858 - acc: 0.8033
4715 349/620 [=====>.....] - ETA: 12:30 -
    loss: 0.3857 - acc: 0.8034
4716 350/620 [=====>.....] - ETA: 12:28 -
    loss: 0.3857 - acc: 0.8034
4717 351/620 [=====>.....] - ETA: 12:25 -
    loss: 0.3858 - acc: 0.8033
4718 352/620 [=====>.....] - ETA: 12:22 -
    loss: 0.3866 - acc: 0.8031
4719 353/620 [=====>.....] - ETA: 12:19 -
    loss: 0.3864 - acc: 0.8032
4720 354/620 [=====>.....] - ETA: 12:17 -
    loss: 0.3863 - acc: 0.8032
4721 355/620 [=====>.....] - ETA: 12:14 -
    loss: 0.3862 - acc: 0.8033
4722 356/620 [=====>.....] - ETA: 12:11 -
    loss: 0.3859 - acc: 0.8035
4723 357/620 [=====>.....] - ETA: 12:09 -
    loss: 0.3859 - acc: 0.8037
4724 358/620 [=====>.....] - ETA: 12:06 -
    loss: 0.3858 - acc: 0.8039
4725 359/620 [=====>.....] - ETA: 12:03 -
    loss: 0.3859 - acc: 0.8038
4726 360/620 [=====>.....] - ETA: 11:59 -
    loss: 0.3865 - acc: 0.8036
4727 361/620 [=====>.....] - ETA: 11:56 -
    loss: 0.3865 - acc: 0.8036
4728 362/620 [=====>.....] - ETA: 11:53 -
    loss: 0.3863 - acc: 0.8038
4729 363/620 [=====>.....] - ETA: 11:51 -
    loss: 0.3861 - acc: 0.8039
4730 364/620 [=====>.....] - ETA: 11:48 -
    loss: 0.3862 - acc: 0.8037
4731 365/620 [=====>.....] - ETA: 11:45 -
```

```
4731 loss: 0.3861 - acc: 0.8037
4732 366/620 [=====>.....] - ETA: 11:42 -
    loss: 0.3865 - acc: 0.8034
4733 367/620 [=====>.....] - ETA: 11:39 -
    loss: 0.3865 - acc: 0.8035
4734 368/620 [=====>.....] - ETA: 11:36 -
    loss: 0.3864 - acc: 0.8034
4735 369/620 [=====>.....] - ETA: 11:33 -
    loss: 0.3861 - acc: 0.8036
4736 370/620 [=====>.....] - ETA: 11:31 -
    loss: 0.3860 - acc: 0.8040
4737 371/620 [=====>.....] - ETA: 11:28 -
    loss: 0.3859 - acc: 0.8040
4738 372/620 [=====>.....] - ETA: 11:25 -
    loss: 0.3857 - acc: 0.8042
4739 373/620 [=====>.....] - ETA: 11:23 -
    loss: 0.3857 - acc: 0.8041
4740 374/620 [=====>.....] - ETA: 11:20 -
    loss: 0.3855 - acc: 0.8041
4741 375/620 [=====>.....] - ETA: 11:17 -
    loss: 0.3857 - acc: 0.8039
4742 376/620 [=====>.....] - ETA: 11:14 -
    loss: 0.3856 - acc: 0.8039
4743 377/620 [=====>.....] - ETA: 11:11 -
    loss: 0.3854 - acc: 0.8040
4744 378/620 [=====>.....] - ETA: 11:08 -
    loss: 0.3857 - acc: 0.8038
4745 379/620 [=====>.....] - ETA: 11:06 -
    loss: 0.3857 - acc: 0.8039
4746 380/620 [=====>.....] - ETA: 11:02 -
    loss: 0.3858 - acc: 0.8040
4747 381/620 [=====>.....] - ETA: 10:59 -
    loss: 0.3859 - acc: 0.8038
4748 382/620 [=====>.....] - ETA: 10:57 -
    loss: 0.3859 - acc: 0.8038
4749 383/620 [=====>.....] - ETA: 10:54 -
    loss: 0.3860 - acc: 0.8038
4750 384/620 [=====>.....] - ETA: 10:52 -
    loss: 0.3860 - acc: 0.8039
4751 385/620 [=====>.....] - ETA: 10:49 -
    loss: 0.3858 - acc: 0.8040
4752 386/620 [=====>.....] - ETA: 10:46 -
    loss: 0.3858 - acc: 0.8040
4753 387/620 [=====>.....] - ETA: 10:43 -
    loss: 0.3859 - acc: 0.8038
```

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```
4754 388/620 [=====>.....] - ETA: 10:40 -
    loss: 0.3857 - acc: 0.8039
4755 389/620 [=====>.....] - ETA: 10:37 -
    loss: 0.3859 - acc: 0.8037
4756 390/620 [=====>.....] - ETA: 10:34 -
    loss: 0.3856 - acc: 0.8038
4757 391/620 [=====>.....] - ETA: 10:31 -
    loss: 0.3857 - acc: 0.8038
4758 392/620 [=====>.....] - ETA: 10:28 -
    loss: 0.3860 - acc: 0.8034
4759 393/620 [=====>.....] - ETA: 10:25 -
    loss: 0.3859 - acc: 0.8034
4760 394/620 [=====>.....] - ETA: 10:22 -
    loss: 0.3860 - acc: 0.8034
4761 395/620 [=====>.....] - ETA: 10:19 -
    loss: 0.3860 - acc: 0.8035
4762 396/620 [=====>.....] - ETA: 10:16 -
    loss: 0.3858 - acc: 0.8036
4763 397/620 [=====>.....] - ETA: 10:13 -
    loss: 0.3856 - acc: 0.8038
4764 398/620 [=====>.....] - ETA: 10:10 -
    loss: 0.3855 - acc: 0.8040
4765 399/620 [=====>.....] - ETA: 10:07 -
    loss: 0.3856 - acc: 0.8039
4766 400/620 [=====>.....] - ETA: 10:03 -
    loss: 0.3854 - acc: 0.8040
4767 401/620 [=====>.....] - ETA: 10:00 -
    loss: 0.3854 - acc: 0.8040
4768 402/620 [=====>.....] - ETA: 9:58 -
    loss: 0.3852 - acc: 0.8040
4769 403/620 [=====>.....] - ETA: 9:55 -
    loss: 0.3852 - acc: 0.8040
4770 404/620 [=====>.....] - ETA: 9:52 -
    loss: 0.3854 - acc: 0.8037
4771 405/620 [=====>.....] - ETA: 9:49 -
    loss: 0.3854 - acc: 0.8037
4772 406/620 [=====>.....] - ETA: 9:46 -
    loss: 0.3855 - acc: 0.8036
4773 407/620 [=====>.....] - ETA: 9:43 -
    loss: 0.3854 - acc: 0.8037
4774 408/620 [=====>.....] - ETA: 9:40 -
    loss: 0.3854 - acc: 0.8037
4775 409/620 [=====>.....] - ETA: 9:37 -
    loss: 0.3855 - acc: 0.8036
4776 410/620 [=====>.....] - ETA: 9:34 -
```

```
4776 loss: 0.3854 - acc: 0.8038
4777 411/620 [=====>.....] - ETA: 9:31 -
    loss: 0.3854 - acc: 0.8036
4778 412/620 [=====>.....] - ETA: 9:28 -
    loss: 0.3855 - acc: 0.8037
4779 413/620 [=====>.....] - ETA: 9:25 -
    loss: 0.3854 - acc: 0.8037
4780 414/620 [=====>.....] - ETA: 9:22 -
    loss: 0.3854 - acc: 0.8038
4781 415/620 [=====>.....] - ETA: 9:19 -
    loss: 0.3855 - acc: 0.8039
4782 416/620 [=====>.....] - ETA: 9:17 -
    loss: 0.3851 - acc: 0.8040
4783 417/620 [=====>.....] - ETA: 9:14 -
    loss: 0.3852 - acc: 0.8038
4784 418/620 [=====>.....] - ETA: 9:11 -
    loss: 0.3853 - acc: 0.8036
4785 419/620 [=====>.....] - ETA: 9:08 -
    loss: 0.3851 - acc: 0.8038
4786 420/620 [=====>.....] - ETA: 9:04 -
    loss: 0.3849 - acc: 0.8039
4787 421/620 [=====>.....] - ETA: 9:01 -
    loss: 0.3850 - acc: 0.8038
4788 422/620 [=====>.....] - ETA: 8:59 -
    loss: 0.3851 - acc: 0.8038
4789 423/620 [=====>.....] - ETA: 8:56 -
    loss: 0.3850 - acc: 0.8038
4790 424/620 [=====>.....] - ETA: 8:53 -
    loss: 0.3849 - acc: 0.8039
4791 425/620 [=====>.....] - ETA: 8:50 -
    loss: 0.3848 - acc: 0.8039
4792 426/620 [=====>.....] - ETA: 8:47 -
    loss: 0.3844 - acc: 0.8041
4793 427/620 [=====>.....] - ETA: 8:44 -
    loss: 0.3845 - acc: 0.8039
4794 428/620 [=====>.....] - ETA: 8:41 -
    loss: 0.3843 - acc: 0.8040
4795 429/620 [=====>.....] - ETA: 8:38 -
    loss: 0.3840 - acc: 0.8043
4796 430/620 [=====>.....] - ETA: 8:35 -
    loss: 0.3841 - acc: 0.8041
4797 431/620 [=====>.....] - ETA: 8:33 -
    loss: 0.3839 - acc: 0.8042
4798 432/620 [=====>.....] - ETA: 8:30 -
    loss: 0.3842 - acc: 0.8040
```

File - cnn_2D_model

```
4799 433/620 [=====>.....] - ETA: 8:27 -
    loss: 0.3843 - acc: 0.8039
4800 434/620 [=====>.....] - ETA: 8:24 -
    loss: 0.3842 - acc: 0.8040
4801 435/620 [=====>.....] - ETA: 8:21 -
    loss: 0.3842 - acc: 0.8040
4802 436/620 [=====>.....] - ETA: 8:18 -
    loss: 0.3846 - acc: 0.8040
4803 437/620 [=====>.....] - ETA: 8:15 -
    loss: 0.3846 - acc: 0.8041
4804 438/620 [=====>.....] - ETA: 8:13 -
    loss: 0.3847 - acc: 0.8040
4805 439/620 [=====>.....] - ETA: 8:10 -
    loss: 0.3849 - acc: 0.8037
4806 440/620 [=====>.....] - ETA: 8:07 -
    loss: 0.3851 - acc: 0.8036
4807 441/620 [=====>.....] - ETA: 8:04 -
    loss: 0.3856 - acc: 0.8035
4808 442/620 [=====>.....] - ETA: 8:01 -
    loss: 0.3854 - acc: 0.8037
4809 443/620 [=====>.....] - ETA: 7:58 -
    loss: 0.3853 - acc: 0.8038
4810 444/620 [=====>.....] - ETA: 7:55 -
    loss: 0.3855 - acc: 0.8038
4811 445/620 [=====>.....] - ETA: 7:52 -
    loss: 0.3853 - acc: 0.8039
4812 446/620 [=====>.....] - ETA: 7:49 -
    loss: 0.3854 - acc: 0.8037
4813 447/620 [=====>.....] - ETA: 7:47 -
    loss: 0.3853 - acc: 0.8038
4814 448/620 [=====>.....] - ETA: 7:44 -
    loss: 0.3853 - acc: 0.8038
4815 449/620 [=====>.....] - ETA: 7:41 -
    loss: 0.3850 - acc: 0.8041
4816 450/620 [=====>.....] - ETA: 7:38 -
    loss: 0.3850 - acc: 0.8042
4817 451/620 [=====>.....] - ETA: 7:35 -
    loss: 0.3850 - acc: 0.8041
4818 452/620 [=====>.....] - ETA: 7:32 -
    loss: 0.3851 - acc: 0.8041
4819 453/620 [=====>.....] - ETA: 7:30 -
    loss: 0.3849 - acc: 0.8040
4820 454/620 [=====>.....] - ETA: 7:27 -
    loss: 0.3850 - acc: 0.8038
4821 455/620 [=====>.....] - ETA: 7:24 -
```

```
4821 loss: 0.3853 - acc: 0.8035
4822 456/620 [=====>.....] - ETA: 7:21 -
    loss: 0.3853 - acc: 0.8035
4823 457/620 [=====>.....] - ETA: 7:18 -
    loss: 0.3852 - acc: 0.8035
4824 458/620 [=====>.....] - ETA: 7:15 -
    loss: 0.3852 - acc: 0.8035
4825 459/620 [=====>.....] - ETA: 7:13 -
    loss: 0.3856 - acc: 0.8032
4826 460/620 [=====>.....] - ETA: 7:09 -
    loss: 0.3856 - acc: 0.8031
4827 461/620 [=====>.....] - ETA: 7:07 -
    loss: 0.3853 - acc: 0.8032
4828 462/620 [=====>.....] - ETA: 7:04 -
    loss: 0.3852 - acc: 0.8034
4829 463/620 [=====>.....] - ETA: 7:01 -
    loss: 0.3849 - acc: 0.8035
4830 464/620 [=====>.....] - ETA: 6:58 -
    loss: 0.3850 - acc: 0.8034
4831 465/620 [=====>.....] - ETA: 6:56 -
    loss: 0.3850 - acc: 0.8032
4832 466/620 [=====>.....] - ETA: 6:53 -
    loss: 0.3850 - acc: 0.8033
4833 467/620 [=====>.....] - ETA: 6:50 -
    loss: 0.3847 - acc: 0.8035
4834 468/620 [=====>.....] - ETA: 6:47 -
    loss: 0.3848 - acc: 0.8036
4835 469/620 [=====>.....] - ETA: 6:44 -
    loss: 0.3846 - acc: 0.8036
4836 470/620 [=====>.....] - ETA: 6:42 -
    loss: 0.3847 - acc: 0.8035
4837 471/620 [=====>.....] - ETA: 6:39 -
    loss: 0.3849 - acc: 0.8035
4838 472/620 [=====>.....] - ETA: 6:36 -
    loss: 0.3849 - acc: 0.8034
4839 473/620 [=====>.....] - ETA: 6:33 -
    loss: 0.3850 - acc: 0.8034
4840 474/620 [=====>.....] - ETA: 6:30 -
    loss: 0.3852 - acc: 0.8033
4841 475/620 [=====>.....] - ETA: 6:28 -
    loss: 0.3848 - acc: 0.8037
4842 476/620 [=====>.....] - ETA: 6:25 -
    loss: 0.3851 - acc: 0.8036
4843 477/620 [=====>.....] - ETA: 6:22 -
    loss: 0.3850 - acc: 0.8036
```

File - cnn_2D_model

```
4844 478/620 [=====>.....] - ETA: 6:20 -
    loss: 0.3850 - acc: 0.8036
4845 479/620 [=====>.....] - ETA: 6:17 -
    loss: 0.3849 - acc: 0.8036
4846 480/620 [=====>.....] - ETA: 6:14 -
    loss: 0.3846 - acc: 0.8036
4847 481/620 [=====>.....] - ETA: 6:11 -
    loss: 0.3845 - acc: 0.8038
4848 482/620 [=====>.....] - ETA: 6:08 -
    loss: 0.3845 - acc: 0.8039
4849 483/620 [=====>.....] - ETA: 6:06 -
    loss: 0.3844 - acc: 0.8039
4850 484/620 [=====>.....] - ETA: 6:03 -
    loss: 0.3845 - acc: 0.8038
4851 485/620 [=====>.....] - ETA: 6:00 -
    loss: 0.3843 - acc: 0.8040
4852 486/620 [=====>.....] - ETA: 5:57 -
    loss: 0.3842 - acc: 0.8041
4853 487/620 [=====>.....] - ETA: 5:55 -
    loss: 0.3842 - acc: 0.8041
4854 488/620 [=====>.....] - ETA: 5:52 -
    loss: 0.3842 - acc: 0.8042
4855 489/620 [=====>.....] - ETA: 5:49 -
    loss: 0.3842 - acc: 0.8043
4856 490/620 [=====>.....] - ETA: 5:47 -
    loss: 0.3841 - acc: 0.8043
4857 491/620 [=====>.....] - ETA: 5:44 -
    loss: 0.3841 - acc: 0.8043
4858 492/620 [=====>.....] - ETA: 5:41 -
    loss: 0.3840 - acc: 0.8044
4859 493/620 [=====>.....] - ETA: 5:39 -
    loss: 0.3842 - acc: 0.8043
4860 494/620 [=====>.....] - ETA: 5:36 -
    loss: 0.3843 - acc: 0.8042
4861 495/620 [=====>.....] - ETA: 5:33 -
    loss: 0.3841 - acc: 0.8043
4862 496/620 [=====>.....] - ETA: 5:30 -
    loss: 0.3841 - acc: 0.8042
4863 497/620 [=====>.....] - ETA: 5:28 -
    loss: 0.3843 - acc: 0.8041
4864 498/620 [=====>.....] - ETA: 5:25 -
    loss: 0.3842 - acc: 0.8041
4865 499/620 [=====>.....] - ETA: 5:22 -
    loss: 0.3842 - acc: 0.8040
4866 500/620 [=====>.....] - ETA: 5:19 -
```

```
4866 loss: 0.3843 - acc: 0.8037
4867 501/620 [=====>.....] - ETA: 5:16 -
    loss: 0.3841 - acc: 0.8038
4868 502/620 [=====>.....] - ETA: 5:13 -
    loss: 0.3840 - acc: 0.8039
4869 503/620 [=====>.....] - ETA: 5:11 -
    loss: 0.3839 - acc: 0.8040
4870 504/620 [=====>.....] - ETA: 5:08 -
    loss: 0.3839 - acc: 0.8039
4871 505/620 [=====>.....] - ETA: 5:05 -
    loss: 0.3840 - acc: 0.8038
4872 506/620 [=====>.....] - ETA: 5:03 -
    loss: 0.3839 - acc: 0.8037
4873 507/620 [=====>.....] - ETA: 5:00 -
    loss: 0.3840 - acc: 0.8037
4874 508/620 [=====>.....] - ETA: 4:57 -
    loss: 0.3838 - acc: 0.8039
4875 509/620 [=====>.....] - ETA: 4:54 -
    loss: 0.3839 - acc: 0.8038
4876 510/620 [=====>.....] - ETA: 4:52 -
    loss: 0.3838 - acc: 0.8037
4877 511/620 [=====>.....] - ETA: 4:49 -
    loss: 0.3835 - acc: 0.8039
4878 512/620 [=====>.....] - ETA: 4:46 -
    loss: 0.3836 - acc: 0.8037
4879 513/620 [=====>.....] - ETA: 4:43 -
    loss: 0.3837 - acc: 0.8036
4880 514/620 [=====>.....] - ETA: 4:41 -
    loss: 0.3837 - acc: 0.8036
4881 515/620 [=====>.....] - ETA: 4:38 -
    loss: 0.3834 - acc: 0.8038
4882 516/620 [=====>.....] - ETA: 4:35 -
    loss: 0.3832 - acc: 0.8038
4883 517/620 [=====>.....] - ETA: 4:33 -
    loss: 0.3831 - acc: 0.8040
4884 518/620 [=====>.....] - ETA: 4:30 -
    loss: 0.3832 - acc: 0.8039
4885 519/620 [=====>.....] - ETA: 4:27 -
    loss: 0.3833 - acc: 0.8038
4886 520/620 [=====>.....] - ETA: 4:24 -
    loss: 0.3836 - acc: 0.8037
4887 521/620 [=====>.....] - ETA: 4:22 -
    loss: 0.3838 - acc: 0.8034
4888 522/620 [=====>.....] - ETA: 4:19 -
    loss: 0.3839 - acc: 0.8032
```

```
4889 523/620 [=====>.....] - ETA: 4:16 -
    loss: 0.3837 - acc: 0.8034
4890 524/620 [=====>.....] - ETA: 4:14 -
    loss: 0.3837 - acc: 0.8034
4891 525/620 [=====>.....] - ETA: 4:11 -
    loss: 0.3836 - acc: 0.8035
4892 526/620 [=====>.....] - ETA: 4:08 -
    loss: 0.3837 - acc: 0.8035
4893 527/620 [=====>.....] - ETA: 4:05 -
    loss: 0.3839 - acc: 0.8034
4894 528/620 [=====>.....] - ETA: 4:03 -
    loss: 0.3839 - acc: 0.8036
4895 529/620 [=====>.....] - ETA: 4:00 -
    loss: 0.3840 - acc: 0.8035
4896 530/620 [=====>.....] - ETA: 3:57 -
    loss: 0.3840 - acc: 0.8034
4897 531/620 [=====>.....] - ETA: 3:55 -
    loss: 0.3842 - acc: 0.8034
4898 532/620 [=====>.....] - ETA: 3:52 -
    loss: 0.3842 - acc: 0.8034
4899 533/620 [=====>.....] - ETA: 3:49 -
    loss: 0.3844 - acc: 0.8033
4900 534/620 [=====>.....] - ETA: 3:47 -
    loss: 0.3846 - acc: 0.8032
4901 535/620 [=====>.....] - ETA: 3:44 -
    loss: 0.3846 - acc: 0.8030
4902 536/620 [=====>.....] - ETA: 3:41 -
    loss: 0.3847 - acc: 0.8031
4903 537/620 [=====>.....] - ETA: 3:38 -
    loss: 0.3849 - acc: 0.8031
4904 538/620 [=====>....] - ETA: 3:36 -
    loss: 0.3847 - acc: 0.8033
4905 539/620 [=====>....] - ETA: 3:33 -
    loss: 0.3847 - acc: 0.8033
4906 540/620 [=====>....] - ETA: 3:30 -
    loss: 0.3848 - acc: 0.8033
4907 541/620 [=====>....] - ETA: 3:28 -
    loss: 0.3846 - acc: 0.8035
4908 542/620 [=====>....] - ETA: 3:25 -
    loss: 0.3848 - acc: 0.8034
4909 543/620 [=====>....] - ETA: 3:22 -
    loss: 0.3847 - acc: 0.8034
4910 544/620 [=====>....] - ETA: 3:20 -
    loss: 0.3842 - acc: 0.8038
4911 545/620 [=====>....] - ETA: 3:17 -
```

```
4911 loss: 0.3841 - acc: 0.8039
4912 546/620 [=====>....] - ETA: 3:14 -
    loss: 0.3844 - acc: 0.8038
4913 547/620 [=====>....] - ETA: 3:12 -
    loss: 0.3844 - acc: 0.8037
4914 548/620 [=====>....] - ETA: 3:09 -
    loss: 0.3844 - acc: 0.8037
4915 549/620 [=====>....] - ETA: 3:06 -
    loss: 0.3846 - acc: 0.8036
4916 550/620 [=====>....] - ETA: 3:04 -
    loss: 0.3846 - acc: 0.8036
4917 551/620 [=====>....] - ETA: 3:01 -
    loss: 0.3844 - acc: 0.8037
4918 552/620 [=====>....] - ETA: 2:58 -
    loss: 0.3843 - acc: 0.8037
4919 553/620 [=====>....] - ETA: 2:56 -
    loss: 0.3845 - acc: 0.8036
4920 554/620 [=====>....] - ETA: 2:53 -
    loss: 0.3844 - acc: 0.8035
4921 555/620 [=====>....] - ETA: 2:50 -
    loss: 0.3848 - acc: 0.8032
4922 556/620 [=====>....] - ETA: 2:48 -
    loss: 0.3849 - acc: 0.8033
4923 557/620 [=====>....] - ETA: 2:45 -
    loss: 0.3853 - acc: 0.8033
4924 558/620 [=====>...] - ETA: 2:42 -
    loss: 0.3853 - acc: 0.8032
4925 559/620 [=====>...] - ETA: 2:40 -
    loss: 0.3855 - acc: 0.8031
4926 560/620 [=====>...] - ETA: 2:37 -
    loss: 0.3856 - acc: 0.8028
4927 561/620 [=====>...] - ETA: 2:34 -
    loss: 0.3856 - acc: 0.8027
4928 562/620 [=====>...] - ETA: 2:32 -
    loss: 0.3855 - acc: 0.8027
4929 563/620 [=====>...] - ETA: 2:29 -
    loss: 0.3858 - acc: 0.8026
4930 564/620 [=====>...] - ETA: 2:26 -
    loss: 0.3857 - acc: 0.8027
4931 565/620 [=====>...] - ETA: 2:24 -
    loss: 0.3857 - acc: 0.8027
4932 566/620 [=====>...] - ETA: 2:21 -
    loss: 0.3857 - acc: 0.8027
4933 567/620 [=====>...] - ETA: 2:18 -
    loss: 0.3858 - acc: 0.8027
```

File - cnn_2D_model

```
4934 568/620 [=====>...] - ETA: 2:16 -
    loss: 0.3856 - acc: 0.8030
4935 569/620 [=====>...] - ETA: 2:13 -
    loss: 0.3857 - acc: 0.8028
4936 570/620 [=====>...] - ETA: 2:10 -
    loss: 0.3857 - acc: 0.8029
4937 571/620 [=====>...] - ETA: 2:08 -
    loss: 0.3856 - acc: 0.8030
4938 572/620 [=====>...] - ETA: 2:05 -
    loss: 0.3857 - acc: 0.8030
4939 573/620 [=====>...] - ETA: 2:02 -
    loss: 0.3855 - acc: 0.8032
4940 574/620 [=====>...] - ETA: 2:00 -
    loss: 0.3854 - acc: 0.8033
4941 575/620 [=====>...] - ETA: 1:57 -
    loss: 0.3856 - acc: 0.8032
4942 576/620 [=====>...] - ETA: 1:55 -
    loss: 0.3856 - acc: 0.8031
4943 577/620 [=====>...] - ETA: 1:52 -
    loss: 0.3854 - acc: 0.8032
4944 578/620 [=====>...] - ETA: 1:49 -
    loss: 0.3856 - acc: 0.8030
4945 579/620 [=====>...] - ETA: 1:47 -
    loss: 0.3854 - acc: 0.8032
4946 580/620 [=====>...] - ETA: 1:44 -
    loss: 0.3859 - acc: 0.8031
4947 581/620 [=====>...] - ETA: 1:41 -
    loss: 0.3858 - acc: 0.8032
4948 582/620 [=====>...] - ETA: 1:39 -
    loss: 0.3858 - acc: 0.8032
4949 583/620 [=====>...] - ETA: 1:36 -
    loss: 0.3858 - acc: 0.8032
4950 584/620 [=====>...] - ETA: 1:33 -
    loss: 0.3861 - acc: 0.8029
4951 585/620 [=====>...] - ETA: 1:31 -
    loss: 0.3861 - acc: 0.8029
4952 586/620 [=====>...] - ETA: 1:28 -
    loss: 0.3862 - acc: 0.8029
4953 587/620 [=====>...] - ETA: 1:26 -
    loss: 0.3863 - acc: 0.8029
4954 588/620 [=====>...] - ETA: 1:23 -
    loss: 0.3862 - acc: 0.8030
4955 589/620 [=====>...] - ETA: 1:20 -
    loss: 0.3861 - acc: 0.8030
4956 590/620 [=====>...] - ETA: 1:18 -
```

```
4956 loss: 0.3863 - acc: 0.8029
4957 591/620 [=====>..] - ETA: 1:15 -
    loss: 0.3863 - acc: 0.8030
4958 592/620 [=====>..] - ETA: 1:12 -
    loss: 0.3863 - acc: 0.8029
4959 593/620 [=====>..] - ETA: 1:10 -
    loss: 0.3862 - acc: 0.8030
4960 594/620 [=====>..] - ETA: 1:07 -
    loss: 0.3862 - acc: 0.8030
4961 595/620 [=====>..] - ETA: 1:05 -
    loss: 0.3862 - acc: 0.8029
4962 596/620 [=====>..] - ETA: 1:02 -
    loss: 0.3862 - acc: 0.8030
4963 597/620 [=====>..] - ETA: 59s -
    loss: 0.3863 - acc: 0.8030
4964 598/620 [=====>..] - ETA: 57s -
    loss: 0.3862 - acc: 0.8030
4965 599/620 [=====>..] - ETA: 54s -
    loss: 0.3865 - acc: 0.8028
4966 600/620 [=====>.] - ETA: 51s -
    loss: 0.3865 - acc: 0.8028
4967 601/620 [=====>.] - ETA: 49s -
    loss: 0.3866 - acc: 0.8029
4968 602/620 [=====>.] - ETA: 46s -
    loss: 0.3864 - acc: 0.8031
4969 603/620 [=====>.] - ETA: 44s -
    loss: 0.3865 - acc: 0.8030
4970 604/620 [=====>.] - ETA: 41s -
    loss: 0.3866 - acc: 0.8028
4971 605/620 [=====>.] - ETA: 38s -
    loss: 0.3864 - acc: 0.8030
4972 606/620 [=====>.] - ETA: 36s -
    loss: 0.3866 - acc: 0.8027
4973 607/620 [=====>.] - ETA: 33s -
    loss: 0.3867 - acc: 0.8028
4974 608/620 [=====>.] - ETA: 31s -
    loss: 0.3865 - acc: 0.8028
4975 609/620 [=====>.] - ETA: 28s -
    loss: 0.3867 - acc: 0.8027
4976 610/620 [=====>.] - ETA: 25s -
    loss: 0.3867 - acc: 0.8027
4977 611/620 [=====>.] - ETA: 23s -
    loss: 0.3866 - acc: 0.8027
4978 612/620 [=====>.] - ETA: 20s -
    loss: 0.3869 - acc: 0.8026
```

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```
4979 613/620 [=====>.] - ETA: 18s -
    loss: 0.3868 - acc: 0.8027
4980 614/620 [=====>.] - ETA: 15s -
    loss: 0.3866 - acc: 0.8028
4981 615/620 [=====>.] - ETA: 12s -
    loss: 0.3866 - acc: 0.8028
4982 616/620 [=====>.] - ETA: 10s -
    loss: 0.3866 - acc: 0.8027
4983 617/620 [=====>.] - ETA: 7s -
    loss: 0.3865 - acc: 0.8028
4984 618/620 [=====>.] - ETA: 5s -
    loss: 0.3864 - acc: 0.8029
4985 619/620 [=====>.] - ETA: 2s -
    loss: 0.3862 - acc: 0.8031
4986 620/620 [=====] - 1649s 3s/step
    - loss: 0.3861 - acc: 0.8033 - val_loss: 0.8174 -
    val_acc: 0.7558
4987 Epoch 9/10
4988
4989 1/620 [.....] - ETA: 23:32 -
    loss: 0.5149 - acc: 0.6875
4990 2/620 [.....] - ETA: 23:34 -
    loss: 0.4439 - acc: 0.7344
4991 3/620 [.....] - ETA: 23:37 -
    loss: 0.4029 - acc: 0.7292
4992 4/620 [.....] - ETA: 23:37 -
    loss: 0.3914 - acc: 0.7656
4993 5/620 [.....] - ETA: 23:34 -
    loss: 0.4017 - acc: 0.7500
4994 6/620 [.....] - ETA: 23:30 -
    loss: 0.4065 - acc: 0.7448
4995 7/620 [.....] - ETA: 23:27 -
    loss: 0.4050 - acc: 0.7500
4996 8/620 [.....] - ETA: 23:47 -
    loss: 0.3823 - acc: 0.7695
4997 9/620 [.....] - ETA: 23:58 -
    loss: 0.3595 - acc: 0.7882
4998 10/620 [.....] - ETA: 23:55 -
    loss: 0.3509 - acc: 0.7969
4999 11/620 [.....] - ETA: 23:50 -
    loss: 0.3574 - acc: 0.7898
5000 12/620 [.....] - ETA: 23:47 -
    loss: 0.3670 - acc: 0.7865
5001 13/620 [.....] - ETA: 23:41 -
    loss: 0.3636 - acc: 0.7909
```

File - cnn_2D_model

5002	14/620	[.....]	- ETA: 23:37 -
		loss: 0.3699 - acc: 0.7902	
5003	15/620	[.....]	- ETA: 23:33 -
		loss: 0.3811 - acc: 0.7854	
5004	16/620	[.....]	- ETA: 23:29 -
		loss: 0.3841 - acc: 0.7812	
5005	17/620	[.....]	- ETA: 23:30 -
		loss: 0.3867 - acc: 0.7794	
5006	18/620	[.....]	- ETA: 23:26 -
		loss: 0.3857 - acc: 0.7812	
5007	19/620	[.....]	- ETA: 23:25 -
		loss: 0.3911 - acc: 0.7730	
5008	20/620	[.....]	- ETA: 22:47 -
		loss: 0.3991 - acc: 0.7635	
5009	21/620	[>.....]	- ETA: 22:46 -
		loss: 0.4043 - acc: 0.7659	
5010	22/620	[>.....]	- ETA: 22:47 -
		loss: 0.4015 - acc: 0.7694	
5011	23/620	[>.....]	- ETA: 22:46 -
		loss: 0.4046 - acc: 0.7686	
5012	24/620	[>.....]	- ETA: 22:44 -
		loss: 0.3973 - acc: 0.7730	
5013	25/620	[>.....]	- ETA: 22:43 -
		loss: 0.3975 - acc: 0.7746	
5014	26/620	[>.....]	- ETA: 22:41 -
		loss: 0.3935 - acc: 0.7796	
5015	27/620	[>.....]	- ETA: 22:38 -
		loss: 0.3924 - acc: 0.7809	
5016	28/620	[>.....]	- ETA: 22:36 -
		loss: 0.3911 - acc: 0.7809	
5017	29/620	[>.....]	- ETA: 22:32 -
		loss: 0.3959 - acc: 0.7787	
5018	30/620	[>.....]	- ETA: 22:30 -
		loss: 0.3923 - acc: 0.7830	
5019	31/620	[>.....]	- ETA: 22:29 -
		loss: 0.3930 - acc: 0.7849	
5020	32/620	[>.....]	- ETA: 22:27 -
		loss: 0.3953 - acc: 0.7858	
5021	33/620	[>.....]	- ETA: 22:26 -
		loss: 0.3931 - acc: 0.7885	
5022	34/620	[>.....]	- ETA: 22:32 -
		loss: 0.3893 - acc: 0.7920	
5023	35/620	[>.....]	- ETA: 22:36 -
		loss: 0.3892 - acc: 0.7917	
5024	36/620	[>.....]	- ETA: 22:35 -

File - cnn_2D_model

```
5024 loss: 0.3912 - acc: 0.7896
5025 37/620 [>.....] - ETA: 22:32 -
    loss: 0.3899 - acc: 0.7911
5026 38/620 [>.....] - ETA: 22:29 -
    loss: 0.3917 - acc: 0.7908
5027 39/620 [>.....] - ETA: 22:27 -
    loss: 0.3930 - acc: 0.7914
5028 40/620 [>.....] - ETA: 22:08 -
    loss: 0.3955 - acc: 0.7883
5029 41/620 [>.....] - ETA: 22:06 -
    loss: 0.3934 - acc: 0.7904
5030 42/620 [=>.....] - ETA: 22:04 -
    loss: 0.3921 - acc: 0.7909
5031 43/620 [=>.....] - ETA: 22:01 -
    loss: 0.3897 - acc: 0.7943
5032 44/620 [=>.....] - ETA: 21:59 -
    loss: 0.3877 - acc: 0.7962
5033 45/620 [=>.....] - ETA: 21:56 -
    loss: 0.3892 - acc: 0.7931
5034 46/620 [=>.....] - ETA: 21:54 -
    loss: 0.3911 - acc: 0.7935
5035 47/620 [=>.....] - ETA: 21:52 -
    loss: 0.3911 - acc: 0.7926
5036 48/620 [=>.....] - ETA: 21:50 -
    loss: 0.3922 - acc: 0.7904
5037 49/620 [=>.....] - ETA: 21:50 -
    loss: 0.3901 - acc: 0.7915
5038 50/620 [=>.....] - ETA: 21:48 -
    loss: 0.3895 - acc: 0.7925
5039 51/620 [=>.....] - ETA: 21:46 -
    loss: 0.3895 - acc: 0.7935
5040 52/620 [=>.....] - ETA: 21:45 -
    loss: 0.3881 - acc: 0.7933
5041 53/620 [=>.....] - ETA: 21:43 -
    loss: 0.3895 - acc: 0.7925
5042 54/620 [=>.....] - ETA: 21:41 -
    loss: 0.3886 - acc: 0.7940
5043 55/620 [=>.....] - ETA: 21:39 -
    loss: 0.3905 - acc: 0.7937
5044 56/620 [=>.....] - ETA: 21:36 -
    loss: 0.3889 - acc: 0.7946
5045 57/620 [=>.....] - ETA: 21:34 -
    loss: 0.3871 - acc: 0.7961
5046 58/620 [=>.....] - ETA: 21:32 -
    loss: 0.3862 - acc: 0.7953
```

File - cnn_2D_model

```
5047 59/620 [=>.....] - ETA: 21:30 -
    loss: 0.3844 - acc: 0.7971
5048 60/620 [=>.....] - ETA: 21:17 -
    loss: 0.3862 - acc: 0.7977
5049 61/620 [=>.....] - ETA: 21:15 -
    loss: 0.3866 - acc: 0.7990
5050 62/620 [==>.....] - ETA: 21:21 -
    loss: 0.3851 - acc: 0.7997
5051 63/620 [==>.....] - ETA: 21:20 -
    loss: 0.3855 - acc: 0.7999
5052 64/620 [==>.....] - ETA: 21:18 -
    loss: 0.3874 - acc: 0.7977
5053 65/620 [==>.....] - ETA: 21:16 -
    loss: 0.3862 - acc: 0.7984
5054 66/620 [==>.....] - ETA: 21:14 -
    loss: 0.3886 - acc: 0.7981
5055 67/620 [==>.....] - ETA: 21:12 -
    loss: 0.3904 - acc: 0.7974
5056 68/620 [==>.....] - ETA: 21:10 -
    loss: 0.3912 - acc: 0.7972
5057 69/620 [==>.....] - ETA: 21:08 -
    loss: 0.3903 - acc: 0.7965
5058 70/620 [==>.....] - ETA: 21:06 -
    loss: 0.3911 - acc: 0.7954
5059 71/620 [==>.....] - ETA: 21:03 -
    loss: 0.3896 - acc: 0.7961
5060 72/620 [==>.....] - ETA: 21:01 -
    loss: 0.3889 - acc: 0.7959
5061 73/620 [==>.....] - ETA: 20:59 -
    loss: 0.3869 - acc: 0.7978
5062 74/620 [==>.....] - ETA: 20:56 -
    loss: 0.3859 - acc: 0.7980
5063 75/620 [==>.....] - ETA: 20:55 -
    loss: 0.3858 - acc: 0.7986
5064 76/620 [==>.....] - ETA: 20:53 -
    loss: 0.3861 - acc: 0.7984
5065 77/620 [==>.....] - ETA: 20:51 -
    loss: 0.3859 - acc: 0.7986
5066 78/620 [==>.....] - ETA: 20:50 -
    loss: 0.3850 - acc: 0.7991
5067 79/620 [==>.....] - ETA: 20:48 -
    loss: 0.3851 - acc: 0.7993
5068 80/620 [==>.....] - ETA: 20:38 -
    loss: 0.3841 - acc: 0.7997
5069 81/620 [==>.....] - ETA: 20:36 -
```

File - cnn_2D_model

```
5069 loss: 0.3849 - acc: 0.7984
5070 82/620 [==>.....] - ETA: 20:34 -
    loss: 0.3845 - acc: 0.7997
5071 83/620 [==>.....] - ETA: 20:33 -
    loss: 0.3823 - acc: 0.8017
5072 84/620 [==>.....] - ETA: 20:31 -
    loss: 0.3814 - acc: 0.8018
5073 85/620 [==>.....] - ETA: 20:30 -
    loss: 0.3821 - acc: 0.8009
5074 86/620 [==>.....] - ETA: 20:31 -
    loss: 0.3809 - acc: 0.8014
5075 87/620 [==>.....] - ETA: 20:29 -
    loss: 0.3818 - acc: 0.8011
5076 88/620 [==>.....] - ETA: 20:27 -
    loss: 0.3805 - acc: 0.8023
5077 89/620 [==>.....] - ETA: 20:25 -
    loss: 0.3821 - acc: 0.8021
5078 90/620 [==>.....] - ETA: 20:23 -
    loss: 0.3818 - acc: 0.8022
5079 91/620 [==>.....] - ETA: 20:21 -
    loss: 0.3816 - acc: 0.8020
5080 92/620 [==>.....] - ETA: 20:18 -
    loss: 0.3809 - acc: 0.8028
5081 93/620 [==>.....] - ETA: 20:16 -
    loss: 0.3825 - acc: 0.8022
5082 94/620 [==>.....] - ETA: 20:14 -
    loss: 0.3845 - acc: 0.8013
5083 95/620 [==>.....] - ETA: 20:12 -
    loss: 0.3847 - acc: 0.8011
5084 96/620 [==>.....] - ETA: 20:09 -
    loss: 0.3827 - acc: 0.8025
5085 97/620 [==>.....] - ETA: 20:07 -
    loss: 0.3825 - acc: 0.8029
5086 98/620 [==>.....] - ETA: 20:05 -
    loss: 0.3827 - acc: 0.8037
5087 99/620 [==>.....] - ETA: 20:04 -
    loss: 0.3826 - acc: 0.8038
5088 100/620 [==>.....] - ETA: 19:55 -
    loss: 0.3842 - acc: 0.8032
5089 101/620 [==>.....] - ETA: 19:53 -
    loss: 0.3844 - acc: 0.8033
5090 102/620 [==>.....] - ETA: 19:52 -
    loss: 0.3839 - acc: 0.8037
5091 103/620 [==>.....] - ETA: 19:51 -
    loss: 0.3844 - acc: 0.8035
```

File - cnn_2D_model

```
5092 104/620 [=====>.....] - ETA: 19:51 -
    loss: 0.3837 - acc: 0.8048
5093 105/620 [=====>.....] - ETA: 19:50 -
    loss: 0.3833 - acc: 0.8052
5094 106/620 [=====>.....] - ETA: 19:49 -
    loss: 0.3840 - acc: 0.8043
5095 107/620 [=====>.....] - ETA: 19:48 -
    loss: 0.3839 - acc: 0.8044
5096 108/620 [=====>.....] - ETA: 19:47 -
    loss: 0.3832 - acc: 0.8048
5097 109/620 [=====>.....] - ETA: 19:44 -
    loss: 0.3828 - acc: 0.8051
5098 110/620 [=====>.....] - ETA: 19:45 -
    loss: 0.3832 - acc: 0.8046
5099 111/620 [=====>.....] - ETA: 19:46 -
    loss: 0.3834 - acc: 0.8044
5100 112/620 [=====>.....] - ETA: 19:47 -
    loss: 0.3825 - acc: 0.8048
5101 113/620 [=====>.....] - ETA: 19:48 -
    loss: 0.3820 - acc: 0.8054
5102 114/620 [=====>.....] - ETA: 19:52 -
    loss: 0.3820 - acc: 0.8052
5103 115/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3813 - acc: 0.8061
5104 116/620 [=====>.....] - ETA: 20:00 -
    loss: 0.3801 - acc: 0.8069
5105 117/620 [=====>.....] - ETA: 20:00 -
    loss: 0.3792 - acc: 0.8075
5106 118/620 [=====>.....] - ETA: 20:00 -
    loss: 0.3787 - acc: 0.8078
5107 119/620 [=====>.....] - ETA: 20:01 -
    loss: 0.3790 - acc: 0.8081
5108 120/620 [=====>.....] - ETA: 19:54 -
    loss: 0.3807 - acc: 0.8076
5109 121/620 [=====>.....] - ETA: 19:51 -
    loss: 0.3801 - acc: 0.8077
5110 122/620 [=====>.....] - ETA: 19:48 -
    loss: 0.3805 - acc: 0.8075
5111 123/620 [=====>.....] - ETA: 19:49 -
    loss: 0.3800 - acc: 0.8080
5112 124/620 [=====>.....] - ETA: 19:50 -
    loss: 0.3801 - acc: 0.8075
5113 125/620 [=====>.....] - ETA: 19:51 -
    loss: 0.3807 - acc: 0.8071
5114 126/620 [=====>.....] - ETA: 19:52 -
```

```
5114 loss: 0.3801 - acc: 0.8076
5115 127/620 [=====>.....] - ETA: 19:54 -
    loss: 0.3793 - acc: 0.8082
5116 128/620 [=====>.....] - ETA: 19:54 -
    loss: 0.3791 - acc: 0.8082
5117 129/620 [=====>.....] - ETA: 19:55 -
    loss: 0.3794 - acc: 0.8085
5118 130/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3799 - acc: 0.8087
5119 131/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3805 - acc: 0.8078
5120 132/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3802 - acc: 0.8081
5121 133/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3811 - acc: 0.8076
5122 134/620 [=====>.....] - ETA: 19:57 -
    loss: 0.3805 - acc: 0.8081
5123 135/620 [=====>.....] - ETA: 19:58 -
    loss: 0.3790 - acc: 0.8091
5124 136/620 [=====>.....] - ETA: 20:01 -
    loss: 0.3797 - acc: 0.8082
5125 137/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3788 - acc: 0.8089
5126 138/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3776 - acc: 0.8094
5127 139/620 [=====>.....] - ETA: 20:03 -
    loss: 0.3773 - acc: 0.8097
5128 140/620 [=====>.....] - ETA: 19:58 -
    loss: 0.3767 - acc: 0.8104
5129 141/620 [=====>.....] - ETA: 19:58 -
    loss: 0.3766 - acc: 0.8104
5130 142/620 [=====>.....] - ETA: 19:56 -
    loss: 0.3767 - acc: 0.8102
5131 143/620 [=====>.....] - ETA: 19:55 -
    loss: 0.3765 - acc: 0.8100
5132 144/620 [=====>.....] - ETA: 19:54 -
    loss: 0.3764 - acc: 0.8096
5133 145/620 [=====>.....] - ETA: 19:53 -
    loss: 0.3766 - acc: 0.8098
5134 146/620 [=====>.....] - ETA: 19:52 -
    loss: 0.3763 - acc: 0.8096
5135 147/620 [=====>.....] - ETA: 19:53 -
    loss: 0.3758 - acc: 0.8092
5136 148/620 [=====>.....] - ETA: 19:51 -
    loss: 0.3769 - acc: 0.8082
```

File - cnn_2D_model

```
5137 149/620 [=====>.....] - ETA: 19:48 -
    loss: 0.3772 - acc: 0.8078
5138 150/620 [=====>.....] - ETA: 19:46 -
    loss: 0.3775 - acc: 0.8072
5139 151/620 [=====>.....] - ETA: 19:44 -
    loss: 0.3773 - acc: 0.8077
5140 152/620 [=====>.....] - ETA: 19:42 -
    loss: 0.3772 - acc: 0.8075
5141 153/620 [=====>.....] - ETA: 19:42 -
    loss: 0.3774 - acc: 0.8075
5142 154/620 [=====>.....] - ETA: 19:42 -
    loss: 0.3767 - acc: 0.8078
5143 155/620 [=====>.....] - ETA: 19:45 -
    loss: 0.3762 - acc: 0.8078
5144 156/620 [=====>.....] - ETA: 19:44 -
    loss: 0.3757 - acc: 0.8080
5145 157/620 [=====>.....] - ETA: 19:44 -
    loss: 0.3760 - acc: 0.8077
5146 158/620 [=====>.....] - ETA: 19:45 -
    loss: 0.3756 - acc: 0.8083
5147 159/620 [=====>.....] - ETA: 19:45 -
    loss: 0.3750 - acc: 0.8087
5148 160/620 [=====>.....] - ETA: 19:39 -
    loss: 0.3757 - acc: 0.8083
5149 161/620 [=====>.....] - ETA: 19:39 -
    loss: 0.3753 - acc: 0.8086
5150 162/620 [=====>.....] - ETA: 19:38 -
    loss: 0.3765 - acc: 0.8070
5151 163/620 [=====>.....] - ETA: 19:35 -
    loss: 0.3765 - acc: 0.8069
5152 164/620 [=====>.....] - ETA: 19:33 -
    loss: 0.3758 - acc: 0.8073
5153 165/620 [=====>.....] - ETA: 19:31 -
    loss: 0.3755 - acc: 0.8073
5154 166/620 [=====>.....] - ETA: 19:28 -
    loss: 0.3747 - acc: 0.8079
5155 167/620 [=====>.....] - ETA: 19:27 -
    loss: 0.3744 - acc: 0.8079
5156 168/620 [=====>.....] - ETA: 19:26 -
    loss: 0.3751 - acc: 0.8076
5157 169/620 [=====>.....] - ETA: 19:25 -
    loss: 0.3758 - acc: 0.8073
5158 170/620 [=====>.....] - ETA: 19:24 -
    loss: 0.3762 - acc: 0.8067
5159 171/620 [=====>.....] - ETA: 19:25 -
```

```
5159 loss: 0.3758 - acc: 0.8071
5160 172/620 [=====>.....] - ETA: 19:26 -
    loss: 0.3753 - acc: 0.8072
5161 173/620 [=====>.....] - ETA: 19:26 -
    loss: 0.3746 - acc: 0.8079
5162 174/620 [=====>.....] - ETA: 19:28 -
    loss: 0.3745 - acc: 0.8083
5163 175/620 [=====>.....] - ETA: 19:28 -
    loss: 0.3740 - acc: 0.8085
5164 176/620 [=====>.....] - ETA: 19:28 -
    loss: 0.3734 - acc: 0.8091
5165 177/620 [=====>.....] - ETA: 19:28 -
    loss: 0.3737 - acc: 0.8082
5166 178/620 [=====>.....] - ETA: 19:27 -
    loss: 0.3735 - acc: 0.8077
5167 179/620 [=====>.....] - ETA: 19:25 -
    loss: 0.3741 - acc: 0.8070
5168 180/620 [=====>.....] - ETA: 19:20 -
    loss: 0.3748 - acc: 0.8072
5169 181/620 [=====>.....] - ETA: 19:17 -
    loss: 0.3750 - acc: 0.8070
5170 182/620 [=====>.....] - ETA: 19:16 -
    loss: 0.3757 - acc: 0.8067
5171 183/620 [=====>.....] - ETA: 19:14 -
    loss: 0.3757 - acc: 0.8068
5172 184/620 [=====>.....] - ETA: 19:12 -
    loss: 0.3761 - acc: 0.8064
5173 185/620 [=====>.....] - ETA: 19:09 -
    loss: 0.3760 - acc: 0.8068
5174 186/620 [=====>.....] - ETA: 19:06 -
    loss: 0.3753 - acc: 0.8073
5175 187/620 [=====>.....] - ETA: 19:04 -
    loss: 0.3759 - acc: 0.8075
5176 188/620 [=====>.....] - ETA: 19:02 -
    loss: 0.3753 - acc: 0.8082
5177 189/620 [=====>.....] - ETA: 18:59 -
    loss: 0.3754 - acc: 0.8083
5178 190/620 [=====>.....] - ETA: 18:56 -
    loss: 0.3753 - acc: 0.8083
5179 191/620 [=====>.....] - ETA: 18:54 -
    loss: 0.3752 - acc: 0.8083
5180 192/620 [=====>.....] - ETA: 18:51 -
    loss: 0.3750 - acc: 0.8091
5181 193/620 [=====>.....] - ETA: 18:49 -
    loss: 0.3753 - acc: 0.8088
```

File - cnn_2D_model

```
5182 194/620 [=====>.....] - ETA: 18:48 -
    loss: 0.3749 - acc: 0.8093
5183 195/620 [=====>.....] - ETA: 18:45 -
    loss: 0.3752 - acc: 0.8087
5184 196/620 [=====>.....] - ETA: 18:42 -
    loss: 0.3748 - acc: 0.8090
5185 197/620 [=====>.....] - ETA: 18:40 -
    loss: 0.3751 - acc: 0.8086
5186 198/620 [=====>.....] - ETA: 18:37 -
    loss: 0.3748 - acc: 0.8092
5187 199/620 [=====>.....] - ETA: 18:34 -
    loss: 0.3743 - acc: 0.8097
5188 200/620 [=====>.....] - ETA: 18:28 -
    loss: 0.3735 - acc: 0.8098
5189 201/620 [=====>.....] - ETA: 18:25 -
    loss: 0.3734 - acc: 0.8099
5190 202/620 [=====>.....] - ETA: 18:22 -
    loss: 0.3733 - acc: 0.8102
5191 203/620 [=====>.....] - ETA: 18:19 -
    loss: 0.3733 - acc: 0.8105
5192 204/620 [=====>.....] - ETA: 18:16 -
    loss: 0.3737 - acc: 0.8104
5193 205/620 [=====>.....] - ETA: 18:13 -
    loss: 0.3731 - acc: 0.8107
5194 206/620 [=====>.....] - ETA: 18:11 -
    loss: 0.3733 - acc: 0.8105
5195 207/620 [=====>.....] - ETA: 18:08 -
    loss: 0.3728 - acc: 0.8108
5196 208/620 [=====>.....] - ETA: 18:05 -
    loss: 0.3724 - acc: 0.8111
5197 209/620 [=====>.....] - ETA: 18:01 -
    loss: 0.3719 - acc: 0.8115
5198 210/620 [=====>.....] - ETA: 17:58 -
    loss: 0.3716 - acc: 0.8116
5199 211/620 [=====>.....] - ETA: 17:56 -
    loss: 0.3723 - acc: 0.8112
5200 212/620 [=====>.....] - ETA: 17:53 -
    loss: 0.3722 - acc: 0.8109
5201 213/620 [=====>.....] - ETA: 17:52 -
    loss: 0.3719 - acc: 0.8113
5202 214/620 [=====>.....] - ETA: 17:49 -
    loss: 0.3719 - acc: 0.8115
5203 215/620 [=====>.....] - ETA: 17:47 -
    loss: 0.3718 - acc: 0.8118
5204 216/620 [=====>.....] - ETA: 17:44 -
```

```
5204 loss: 0.3721 - acc: 0.8115
5205 217/620 [=====>.....] - ETA: 17:41 -
    loss: 0.3719 - acc: 0.8116
5206 218/620 [=====>.....] - ETA: 17:38 -
    loss: 0.3723 - acc: 0.8108
5207 219/620 [=====>.....] - ETA: 17:35 -
    loss: 0.3722 - acc: 0.8105
5208 220/620 [=====>.....] - ETA: 17:30 -
    loss: 0.3715 - acc: 0.8114
5209 221/620 [=====>.....] - ETA: 17:27 -
    loss: 0.3722 - acc: 0.8114
5210 222/620 [=====>.....] - ETA: 17:25 -
    loss: 0.3720 - acc: 0.8115
5211 223/620 [=====>.....] - ETA: 17:23 -
    loss: 0.3722 - acc: 0.8112
5212 224/620 [=====>.....] - ETA: 17:20 -
    loss: 0.3722 - acc: 0.8111
5213 225/620 [=====>.....] - ETA: 17:17 -
    loss: 0.3727 - acc: 0.8107
5214 226/620 [=====>.....] - ETA: 17:14 -
    loss: 0.3720 - acc: 0.8113
5215 227/620 [=====>.....] - ETA: 17:12 -
    loss: 0.3717 - acc: 0.8115
5216 228/620 [=====>.....] - ETA: 17:09 -
    loss: 0.3715 - acc: 0.8114
5217 229/620 [=====>.....] - ETA: 17:06 -
    loss: 0.3714 - acc: 0.8114
5218 230/620 [=====>.....] - ETA: 17:03 -
    loss: 0.3708 - acc: 0.8118
5219 231/620 [=====>.....] - ETA: 17:00 -
    loss: 0.3702 - acc: 0.8122
5220 232/620 [=====>.....] - ETA: 16:57 -
    loss: 0.3701 - acc: 0.8121
5221 233/620 [=====>.....] - ETA: 16:54 -
    loss: 0.3707 - acc: 0.8114
5222 234/620 [=====>.....] - ETA: 16:52 -
    loss: 0.3715 - acc: 0.8110
5223 235/620 [=====>.....] - ETA: 16:49 -
    loss: 0.3718 - acc: 0.8110
5224 236/620 [=====>.....] - ETA: 16:47 -
    loss: 0.3718 - acc: 0.8109
5225 237/620 [=====>.....] - ETA: 16:44 -
    loss: 0.3717 - acc: 0.8112
5226 238/620 [=====>.....] - ETA: 16:41 -
    loss: 0.3714 - acc: 0.8113
```

File - cnn_2D_model

```
5227 239/620 [=====>.....] - ETA: 16:38 -
    loss: 0.3715 - acc: 0.8113
5228 240/620 [=====>.....] - ETA: 16:34 -
    loss: 0.3711 - acc: 0.8118
5229 241/620 [=====>.....] - ETA: 16:31 -
    loss: 0.3709 - acc: 0.8119
5230 242/620 [=====>.....] - ETA: 16:28 -
    loss: 0.3711 - acc: 0.8115
5231 243/620 [=====>.....] - ETA: 16:25 -
    loss: 0.3710 - acc: 0.8116
5232 244/620 [=====>.....] - ETA: 16:23 -
    loss: 0.3709 - acc: 0.8116
5233 245/620 [=====>.....] - ETA: 16:20 -
    loss: 0.3705 - acc: 0.8119
5234 246/620 [=====>.....] - ETA: 16:18 -
    loss: 0.3700 - acc: 0.8125
5235 247/620 [=====>.....] - ETA: 16:15 -
    loss: 0.3704 - acc: 0.8120
5236 248/620 [=====>.....] - ETA: 16:12 -
    loss: 0.3704 - acc: 0.8122
5237 249/620 [=====>.....] - ETA: 16:09 -
    loss: 0.3702 - acc: 0.8124
5238 250/620 [=====>.....] - ETA: 16:07 -
    loss: 0.3697 - acc: 0.8127
5239 251/620 [=====>.....] - ETA: 16:04 -
    loss: 0.3701 - acc: 0.8127
5240 252/620 [=====>.....] - ETA: 16:01 -
    loss: 0.3704 - acc: 0.8127
5241 253/620 [=====>.....] - ETA: 15:58 -
    loss: 0.3702 - acc: 0.8125
5242 254/620 [=====>.....] - ETA: 15:55 -
    loss: 0.3699 - acc: 0.8130
5243 255/620 [=====>.....] - ETA: 15:53 -
    loss: 0.3704 - acc: 0.8127
5244 256/620 [=====>.....] - ETA: 15:50 -
    loss: 0.3704 - acc: 0.8129
5245 257/620 [=====>.....] - ETA: 15:47 -
    loss: 0.3702 - acc: 0.8129
5246 258/620 [=====>.....] - ETA: 15:44 -
    loss: 0.3700 - acc: 0.8130
5247 259/620 [=====>.....] - ETA: 15:41 -
    loss: 0.3704 - acc: 0.8129
5248 260/620 [=====>.....] - ETA: 15:37 -
    loss: 0.3702 - acc: 0.8133
5249 261/620 [=====>.....] - ETA: 15:34 -
```

```
5249 loss: 0.3705 - acc: 0.8131
5250 262/620 [=====>.....] - ETA: 15:32 -
    loss: 0.3706 - acc: 0.8131
5251 263/620 [=====>.....] - ETA: 15:29 -
    loss: 0.3704 - acc: 0.8128
5252 264/620 [=====>.....] - ETA: 15:26 -
    loss: 0.3702 - acc: 0.8128
5253 265/620 [=====>.....] - ETA: 15:23 -
    loss: 0.3700 - acc: 0.8131
5254 266/620 [=====>.....] - ETA: 15:20 -
    loss: 0.3695 - acc: 0.8134
5255 267/620 [=====>.....] - ETA: 15:17 -
    loss: 0.3692 - acc: 0.8135
5256 268/620 [=====>.....] - ETA: 15:14 -
    loss: 0.3697 - acc: 0.8132
5257 269/620 [=====>.....] - ETA: 15:11 -
    loss: 0.3695 - acc: 0.8132
5258 270/620 [=====>.....] - ETA: 15:08 -
    loss: 0.3692 - acc: 0.8135
5259 271/620 [=====>.....] - ETA: 15:05 -
    loss: 0.3693 - acc: 0.8135
5260 272/620 [=====>.....] - ETA: 15:02 -
    loss: 0.3691 - acc: 0.8137
5261 273/620 [=====>.....] - ETA: 14:59 -
    loss: 0.3691 - acc: 0.8138
5262 274/620 [=====>.....] - ETA: 14:56 -
    loss: 0.3693 - acc: 0.8137
5263 275/620 [=====>.....] - ETA: 14:53 -
    loss: 0.3692 - acc: 0.8137
5264 276/620 [=====>.....] - ETA: 14:50 -
    loss: 0.3690 - acc: 0.8137
5265 277/620 [=====>.....] - ETA: 14:48 -
    loss: 0.3694 - acc: 0.8131
5266 278/620 [=====>.....] - ETA: 14:45 -
    loss: 0.3689 - acc: 0.8136
5267 279/620 [=====>.....] - ETA: 14:42 -
    loss: 0.3689 - acc: 0.8132
5268 280/620 [=====>.....] - ETA: 14:37 -
    loss: 0.3687 - acc: 0.8130
5269 281/620 [=====>.....] - ETA: 14:34 -
    loss: 0.3687 - acc: 0.8131
5270 282/620 [=====>.....] - ETA: 14:31 -
    loss: 0.3688 - acc: 0.8129
5271 283/620 [=====>.....] - ETA: 14:28 -
    loss: 0.3689 - acc: 0.8128
```

File - cnn_2D_model

```
5272 284/620 [=====>.....] - ETA: 14:26 -
    loss: 0.3693 - acc: 0.8128
5273 285/620 [=====>.....] - ETA: 14:23 -
    loss: 0.3692 - acc: 0.8129
5274 286/620 [=====>.....] - ETA: 14:20 -
    loss: 0.3690 - acc: 0.8128
5275 287/620 [=====>.....] - ETA: 14:18 -
    loss: 0.3686 - acc: 0.8129
5276 288/620 [=====>.....] - ETA: 14:15 -
    loss: 0.3686 - acc: 0.8130
5277 289/620 [=====>.....] - ETA: 14:12 -
    loss: 0.3679 - acc: 0.8134
5278 290/620 [=====>.....] - ETA: 14:09 -
    loss: 0.3685 - acc: 0.8131
5279 291/620 [=====>.....] - ETA: 14:06 -
    loss: 0.3683 - acc: 0.8134
5280 292/620 [=====>.....] - ETA: 14:03 -
    loss: 0.3677 - acc: 0.8139
5281 293/620 [=====>.....] - ETA: 14:00 -
    loss: 0.3681 - acc: 0.8137
5282 294/620 [=====>.....] - ETA: 13:58 -
    loss: 0.3679 - acc: 0.8141
5283 295/620 [=====>.....] - ETA: 13:55 -
    loss: 0.3680 - acc: 0.8138
5284 296/620 [=====>.....] - ETA: 13:52 -
    loss: 0.3675 - acc: 0.8140
5285 297/620 [=====>.....] - ETA: 13:49 -
    loss: 0.3677 - acc: 0.8138
5286 298/620 [=====>.....] - ETA: 13:46 -
    loss: 0.3678 - acc: 0.8136
5287 299/620 [=====>.....] - ETA: 13:44 -
    loss: 0.3678 - acc: 0.8134
5288 300/620 [=====>.....] - ETA: 13:40 -
    loss: 0.3675 - acc: 0.8135
5289 301/620 [=====>.....] - ETA: 13:37 -
    loss: 0.3675 - acc: 0.8136
5290 302/620 [=====>.....] - ETA: 13:34 -
    loss: 0.3674 - acc: 0.8137
5291 303/620 [=====>.....] - ETA: 13:31 -
    loss: 0.3668 - acc: 0.8140
5292 304/620 [=====>.....] - ETA: 13:28 -
    loss: 0.3673 - acc: 0.8134
5293 305/620 [=====>.....] - ETA: 13:25 -
    loss: 0.3673 - acc: 0.8133
5294 306/620 [=====>.....] - ETA: 13:22 -
```

```
5294 loss: 0.3674 - acc: 0.8129
5295 307/620 [=====>.....] - ETA: 13:20 -
    loss: 0.3671 - acc: 0.8132
5296 308/620 [=====>.....] - ETA: 13:17 -
    loss: 0.3671 - acc: 0.8133
5297 309/620 [=====>.....] - ETA: 13:14 -
    loss: 0.3672 - acc: 0.8132
5298 310/620 [=====>.....] - ETA: 13:11 -
    loss: 0.3671 - acc: 0.8134
5299 311/620 [=====>.....] - ETA: 13:08 -
    loss: 0.3675 - acc: 0.8132
5300 312/620 [=====>.....] - ETA: 13:06 -
    loss: 0.3676 - acc: 0.8132
5301 313/620 [=====>.....] - ETA: 13:03 -
    loss: 0.3670 - acc: 0.8137
5302 314/620 [=====>.....] - ETA: 13:01 -
    loss: 0.3670 - acc: 0.8137
5303 315/620 [=====>.....] - ETA: 12:58 -
    loss: 0.3672 - acc: 0.8140
5304 316/620 [=====>.....] - ETA: 12:55 -
    loss: 0.3670 - acc: 0.8141
5305 317/620 [=====>.....] - ETA: 12:52 -
    loss: 0.3673 - acc: 0.8139
5306 318/620 [=====>.....] - ETA: 12:49 -
    loss: 0.3671 - acc: 0.8139
5307 319/620 [=====>.....] - ETA: 12:46 -
    loss: 0.3672 - acc: 0.8136
5308 320/620 [=====>.....] - ETA: 12:43 -
    loss: 0.3670 - acc: 0.8137
5309 321/620 [=====>.....] - ETA: 12:40 -
    loss: 0.3669 - acc: 0.8138
5310 322/620 [=====>.....] - ETA: 12:37 -
    loss: 0.3668 - acc: 0.8138
5311 323/620 [=====>.....] - ETA: 12:34 -
    loss: 0.3665 - acc: 0.8140
5312 324/620 [=====>.....] - ETA: 12:31 -
    loss: 0.3661 - acc: 0.8141
5313 325/620 [=====>.....] - ETA: 12:29 -
    loss: 0.3667 - acc: 0.8138
5314 326/620 [=====>.....] - ETA: 12:26 -
    loss: 0.3665 - acc: 0.8140
5315 327/620 [=====>.....] - ETA: 12:23 -
    loss: 0.3670 - acc: 0.8136
5316 328/620 [=====>.....] - ETA: 12:20 -
    loss: 0.3666 - acc: 0.8137
```

```
5317 329/620 [=====>.....] - ETA: 12:18 -
    loss: 0.3671 - acc: 0.8134
5318 330/620 [=====>.....] - ETA: 12:15 -
    loss: 0.3669 - acc: 0.8136
5319 331/620 [=====>.....] - ETA: 12:12 -
    loss: 0.3667 - acc: 0.8137
5320 332/620 [=====>.....] - ETA: 12:10 -
    loss: 0.3668 - acc: 0.8138
5321 333/620 [=====>.....] - ETA: 12:07 -
    loss: 0.3664 - acc: 0.8140
5322 334/620 [=====>.....] - ETA: 12:04 -
    loss: 0.3664 - acc: 0.8141
5323 335/620 [=====>.....] - ETA: 12:01 -
    loss: 0.3662 - acc: 0.8142
5324 336/620 [=====>.....] - ETA: 11:59 -
    loss: 0.3662 - acc: 0.8143
5325 337/620 [=====>.....] - ETA: 11:56 -
    loss: 0.3659 - acc: 0.8145
5326 338/620 [=====>.....] - ETA: 11:53 -
    loss: 0.3658 - acc: 0.8145
5327 339/620 [=====>.....] - ETA: 11:51 -
    loss: 0.3657 - acc: 0.8148
5328 340/620 [=====>.....] - ETA: 11:47 -
    loss: 0.3657 - acc: 0.8149
5329 341/620 [=====>.....] - ETA: 11:45 -
    loss: 0.3654 - acc: 0.8149
5330 342/620 [=====>.....] - ETA: 11:42 -
    loss: 0.3655 - acc: 0.8147
5331 343/620 [=====>.....] - ETA: 11:39 -
    loss: 0.3655 - acc: 0.8147
5332 344/620 [=====>.....] - ETA: 11:37 -
    loss: 0.3656 - acc: 0.8147
5333 345/620 [=====>.....] - ETA: 11:34 -
    loss: 0.3654 - acc: 0.8148
5334 346/620 [=====>.....] - ETA: 11:31 -
    loss: 0.3652 - acc: 0.8149
5335 347/620 [=====>.....] - ETA: 11:28 -
    loss: 0.3653 - acc: 0.8149
5336 348/620 [=====>.....] - ETA: 11:26 -
    loss: 0.3656 - acc: 0.8148
5337 349/620 [=====>.....] - ETA: 11:23 -
    loss: 0.3655 - acc: 0.8147
5338 350/620 [=====>.....] - ETA: 11:20 -
    loss: 0.3652 - acc: 0.8150
5339 351/620 [=====>.....] - ETA: 11:17 -
```

```
5339 loss: 0.3648 - acc: 0.8152
5340 352/620 [=====>.....] - ETA: 11:15 -
    loss: 0.3656 - acc: 0.8145
5341 353/620 [=====>.....] - ETA: 11:12 -
    loss: 0.3658 - acc: 0.8144
5342 354/620 [=====>.....] - ETA: 11:10 -
    loss: 0.3656 - acc: 0.8145
5343 355/620 [=====>.....] - ETA: 11:07 -
    loss: 0.3653 - acc: 0.8148
5344 356/620 [=====>.....] - ETA: 11:04 -
    loss: 0.3651 - acc: 0.8149
5345 357/620 [=====>.....] - ETA: 11:02 -
    loss: 0.3648 - acc: 0.8150
5346 358/620 [=====>.....] - ETA: 10:59 -
    loss: 0.3649 - acc: 0.8148
5347 359/620 [=====>.....] - ETA: 10:56 -
    loss: 0.3647 - acc: 0.8149
5348 360/620 [=====>.....] - ETA: 10:53 -
    loss: 0.3644 - acc: 0.8152
5349 361/620 [=====>.....] - ETA: 10:50 -
    loss: 0.3644 - acc: 0.8152
5350 362/620 [=====>.....] - ETA: 10:47 -
    loss: 0.3642 - acc: 0.8153
5351 363/620 [=====>.....] - ETA: 10:45 -
    loss: 0.3645 - acc: 0.8153
5352 364/620 [=====>.....] - ETA: 10:42 -
    loss: 0.3645 - acc: 0.8152
5353 365/620 [=====>.....] - ETA: 10:40 -
    loss: 0.3647 - acc: 0.8152
5354 366/620 [=====>.....] - ETA: 10:37 -
    loss: 0.3646 - acc: 0.8154
5355 367/620 [=====>.....] - ETA: 10:35 -
    loss: 0.3646 - acc: 0.8153
5356 368/620 [=====>.....] - ETA: 10:32 -
    loss: 0.3646 - acc: 0.8154
5357 369/620 [=====>.....] - ETA: 10:29 -
    loss: 0.3646 - acc: 0.8151
5358 370/620 [=====>.....] - ETA: 10:27 -
    loss: 0.3646 - acc: 0.8151
5359 371/620 [=====>.....] - ETA: 10:24 -
    loss: 0.3643 - acc: 0.8154
5360 372/620 [=====>.....] - ETA: 10:21 -
    loss: 0.3644 - acc: 0.8154
5361 373/620 [=====>.....] - ETA: 10:19 -
    loss: 0.3647 - acc: 0.8152
```

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```
5362 374/620 [=====>.....] - ETA: 10:16 -
    loss: 0.3646 - acc: 0.8153
5363 375/620 [=====>.....] - ETA: 10:14 -
    loss: 0.3643 - acc: 0.8155
5364 376/620 [=====>.....] - ETA: 10:11 -
    loss: 0.3640 - acc: 0.8156
5365 377/620 [=====>.....] - ETA: 10:08 -
    loss: 0.3641 - acc: 0.8155
5366 378/620 [=====>.....] - ETA: 10:06 -
    loss: 0.3639 - acc: 0.8156
5367 379/620 [=====>.....] - ETA: 10:03 -
    loss: 0.3640 - acc: 0.8156
5368 380/620 [=====>.....] - ETA: 10:00 -
    loss: 0.3635 - acc: 0.8160
5369 381/620 [=====>.....] - ETA: 9:57 -
    loss: 0.3634 - acc: 0.8161
5370 382/620 [=====>.....] - ETA: 9:55 -
    loss: 0.3632 - acc: 0.8161
5371 383/620 [=====>.....] - ETA: 9:52 -
    loss: 0.3632 - acc: 0.8163
5372 384/620 [=====>.....] - ETA: 9:49 -
    loss: 0.3633 - acc: 0.8162
5373 385/620 [=====>.....] - ETA: 9:47 -
    loss: 0.3630 - acc: 0.8164
5374 386/620 [=====>.....] - ETA: 9:44 -
    loss: 0.3634 - acc: 0.8162
5375 387/620 [=====>.....] - ETA: 9:41 -
    loss: 0.3637 - acc: 0.8161
5376 388/620 [=====>.....] - ETA: 9:39 -
    loss: 0.3638 - acc: 0.8160
5377 389/620 [=====>.....] - ETA: 9:36 -
    loss: 0.3639 - acc: 0.8159
5378 390/620 [=====>.....] - ETA: 9:34 -
    loss: 0.3636 - acc: 0.8160
5379 391/620 [=====>.....] - ETA: 9:31 -
    loss: 0.3636 - acc: 0.8161
5380 392/620 [=====>.....] - ETA: 9:28 -
    loss: 0.3635 - acc: 0.8163
5381 393/620 [=====>.....] - ETA: 9:26 -
    loss: 0.3635 - acc: 0.8164
5382 394/620 [=====>.....] - ETA: 9:24 -
    loss: 0.3634 - acc: 0.8165
5383 395/620 [=====>.....] - ETA: 9:21 -
    loss: 0.3632 - acc: 0.8167
5384 396/620 [=====>.....] - ETA: 9:18 -
```

```
5384 loss: 0.3633 - acc: 0.8166
5385 397/620 [=====>.....] - ETA: 9:16 -
    loss: 0.3630 - acc: 0.8166
5386 398/620 [=====>.....] - ETA: 9:13 -
    loss: 0.3628 - acc: 0.8167
5387 399/620 [=====>.....] - ETA: 9:10 -
    loss: 0.3629 - acc: 0.8163
5388 400/620 [=====>.....] - ETA: 9:07 -
    loss: 0.3624 - acc: 0.8168
5389 401/620 [=====>.....] - ETA: 9:05 -
    loss: 0.3622 - acc: 0.8169
5390 402/620 [=====>.....] - ETA: 9:02 -
    loss: 0.3622 - acc: 0.8170
5391 403/620 [=====>.....] - ETA: 9:00 -
    loss: 0.3623 - acc: 0.8168
5392 404/620 [=====>.....] - ETA: 8:57 -
    loss: 0.3621 - acc: 0.8170
5393 405/620 [=====>.....] - ETA: 8:55 -
    loss: 0.3621 - acc: 0.8169
5394 406/620 [=====>.....] - ETA: 8:52 -
    loss: 0.3620 - acc: 0.8170
5395 407/620 [=====>.....] - ETA: 8:50 -
    loss: 0.3618 - acc: 0.8172
5396 408/620 [=====>.....] - ETA: 8:47 -
    loss: 0.3620 - acc: 0.8172
5397 409/620 [=====>.....] - ETA: 8:44 -
    loss: 0.3619 - acc: 0.8173
5398 410/620 [=====>.....] - ETA: 8:42 -
    loss: 0.3618 - acc: 0.8174
5399 411/620 [=====>.....] - ETA: 8:39 -
    loss: 0.3618 - acc: 0.8174
5400 412/620 [=====>.....] - ETA: 8:37 -
    loss: 0.3617 - acc: 0.8174
5401 413/620 [=====>.....] - ETA: 8:34 -
    loss: 0.3617 - acc: 0.8175
5402 414/620 [=====>.....] - ETA: 8:32 -
    loss: 0.3616 - acc: 0.8175
5403 415/620 [=====>.....] - ETA: 8:29 -
    loss: 0.3614 - acc: 0.8176
5404 416/620 [=====>.....] - ETA: 8:26 -
    loss: 0.3615 - acc: 0.8175
5405 417/620 [=====>.....] - ETA: 8:24 -
    loss: 0.3613 - acc: 0.8176
5406 418/620 [=====>.....] - ETA: 8:21 -
    loss: 0.3611 - acc: 0.8177
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5407 419/620 [=====>.....] - ETA: 8:19 -
    loss: 0.3611 - acc: 0.8177
5408 420/620 [=====>.....] - ETA: 8:16 -
    loss: 0.3614 - acc: 0.8176
5409 421/620 [=====>.....] - ETA: 8:13 -
    loss: 0.3618 - acc: 0.8173
5410 422/620 [=====>.....] - ETA: 8:11 -
    loss: 0.3613 - acc: 0.8176
5411 423/620 [=====>.....] - ETA: 8:08 -
    loss: 0.3615 - acc: 0.8174
5412 424/620 [=====>.....] - ETA: 8:06 -
    loss: 0.3613 - acc: 0.8175
5413 425/620 [=====>.....] - ETA: 8:03 -
    loss: 0.3610 - acc: 0.8178
5414 426/620 [=====>.....] - ETA: 8:01 -
    loss: 0.3610 - acc: 0.8179
5415 427/620 [=====>.....] - ETA: 7:58 -
    loss: 0.3608 - acc: 0.8180
5416 428/620 [=====>.....] - ETA: 7:55 -
    loss: 0.3608 - acc: 0.8179
5417 429/620 [=====>.....] - ETA: 7:53 -
    loss: 0.3606 - acc: 0.8180
5418 430/620 [=====>.....] - ETA: 7:50 -
    loss: 0.3608 - acc: 0.8179
5419 431/620 [=====>.....] - ETA: 7:48 -
    loss: 0.3609 - acc: 0.8178
5420 432/620 [=====>.....] - ETA: 7:45 -
    loss: 0.3609 - acc: 0.8178
5421 433/620 [=====>.....] - ETA: 7:43 -
    loss: 0.3606 - acc: 0.8180
5422 434/620 [=====>.....] - ETA: 7:40 -
    loss: 0.3605 - acc: 0.8182
5423 435/620 [=====>.....] - ETA: 7:38 -
    loss: 0.3605 - acc: 0.8182
5424 436/620 [=====>.....] - ETA: 7:35 -
    loss: 0.3603 - acc: 0.8183
5425 437/620 [=====>.....] - ETA: 7:33 -
    loss: 0.3603 - acc: 0.8184
5426 438/620 [=====>.....] - ETA: 7:30 -
    loss: 0.3604 - acc: 0.8182
5427 439/620 [=====>.....] - ETA: 7:28 -
    loss: 0.3606 - acc: 0.8180
5428 440/620 [=====>.....] - ETA: 7:25 -
    loss: 0.3606 - acc: 0.8178
5429 441/620 [=====>.....] - ETA: 7:22 -
```

```
5429 loss: 0.3608 - acc: 0.8177
5430 442/620 [=====>.....] - ETA: 7:19 -
    loss: 0.3608 - acc: 0.8175
5431 443/620 [=====>.....] - ETA: 7:17 -
    loss: 0.3612 - acc: 0.8174
5432 444/620 [=====>.....] - ETA: 7:14 -
    loss: 0.3612 - acc: 0.8172
5433 445/620 [=====>.....] - ETA: 7:12 -
    loss: 0.3613 - acc: 0.8173
5434 446/620 [=====>.....] - ETA: 7:09 -
    loss: 0.3609 - acc: 0.8175
5435 447/620 [=====>.....] - ETA: 7:07 -
    loss: 0.3609 - acc: 0.8175
5436 448/620 [=====>.....] - ETA: 7:04 -
    loss: 0.3608 - acc: 0.8175
5437 449/620 [=====>.....] - ETA: 7:02 -
    loss: 0.3608 - acc: 0.8174
5438 450/620 [=====>.....] - ETA: 6:59 -
    loss: 0.3604 - acc: 0.8176
5439 451/620 [=====>.....] - ETA: 6:57 -
    loss: 0.3605 - acc: 0.8175
5440 452/620 [=====>.....] - ETA: 6:54 -
    loss: 0.3605 - acc: 0.8177
5441 453/620 [=====>.....] - ETA: 6:52 -
    loss: 0.3604 - acc: 0.8177
5442 454/620 [=====>.....] - ETA: 6:49 -
    loss: 0.3604 - acc: 0.8176
5443 455/620 [=====>.....] - ETA: 6:47 -
    loss: 0.3604 - acc: 0.8176
5444 456/620 [=====>.....] - ETA: 6:44 -
    loss: 0.3600 - acc: 0.8178
5445 457/620 [=====>.....] - ETA: 6:42 -
    loss: 0.3600 - acc: 0.8178
5446 458/620 [=====>.....] - ETA: 6:39 -
    loss: 0.3598 - acc: 0.8180
5447 459/620 [=====>.....] - ETA: 6:37 -
    loss: 0.3600 - acc: 0.8180
5448 460/620 [=====>.....] - ETA: 6:34 -
    loss: 0.3597 - acc: 0.8184
5449 461/620 [=====>.....] - ETA: 6:31 -
    loss: 0.3596 - acc: 0.8185
5450 462/620 [=====>.....] - ETA: 6:29 -
    loss: 0.3594 - acc: 0.8186
5451 463/620 [=====>.....] - ETA: 6:26 -
    loss: 0.3593 - acc: 0.8186
```

```
5452 464/620 [=====>.....] - ETA: 6:24 -
    loss: 0.3594 - acc: 0.8185
5453 465/620 [=====>.....] - ETA: 6:21 -
    loss: 0.3595 - acc: 0.8185
5454 466/620 [=====>.....] - ETA: 6:19 -
    loss: 0.3593 - acc: 0.8185
5455 467/620 [=====>.....] - ETA: 6:16 -
    loss: 0.3597 - acc: 0.8183
5456 468/620 [=====>.....] - ETA: 6:13 -
    loss: 0.3597 - acc: 0.8184
5457 469/620 [=====>.....] - ETA: 6:11 -
    loss: 0.3597 - acc: 0.8184
5458 470/620 [=====>.....] - ETA: 6:09 -
    loss: 0.3594 - acc: 0.8186
5459 471/620 [=====>.....] - ETA: 6:06 -
    loss: 0.3592 - acc: 0.8187
5460 472/620 [=====>.....] - ETA: 6:04 -
    loss: 0.3592 - acc: 0.8187
5461 473/620 [=====>.....] - ETA: 6:01 -
    loss: 0.3592 - acc: 0.8186
5462 474/620 [=====>.....] - ETA: 5:59 -
    loss: 0.3591 - acc: 0.8186
5463 475/620 [=====>.....] - ETA: 5:56 -
    loss: 0.3590 - acc: 0.8186
5464 476/620 [=====>.....] - ETA: 5:54 -
    loss: 0.3590 - acc: 0.8186
5465 477/620 [=====>.....] - ETA: 5:51 -
    loss: 0.3588 - acc: 0.8188
5466 478/620 [=====>.....] - ETA: 5:49 -
    loss: 0.3586 - acc: 0.8188
5467 479/620 [=====>.....] - ETA: 5:46 -
    loss: 0.3587 - acc: 0.8186
5468 480/620 [=====>.....] - ETA: 5:43 -
    loss: 0.3588 - acc: 0.8187
5469 481/620 [=====>.....] - ETA: 5:41 -
    loss: 0.3585 - acc: 0.8188
5470 482/620 [=====>.....] - ETA: 5:38 -
    loss: 0.3583 - acc: 0.8190
5471 483/620 [=====>.....] - ETA: 5:36 -
    loss: 0.3581 - acc: 0.8191
5472 484/620 [=====>.....] - ETA: 5:33 -
    loss: 0.3579 - acc: 0.8191
5473 485/620 [=====>.....] - ETA: 5:31 -
    loss: 0.3577 - acc: 0.8193
5474 486/620 [=====>.....] - ETA: 5:28 -
```

```
5474 loss: 0.3576 - acc: 0.8194
5475 487/620 [=====>.....] - ETA: 5:26 -
    loss: 0.3577 - acc: 0.8193
5476 488/620 [=====>.....] - ETA: 5:23 -
    loss: 0.3577 - acc: 0.8193
5477 489/620 [=====>.....] - ETA: 5:21 -
    loss: 0.3575 - acc: 0.8194
5478 490/620 [=====>.....] - ETA: 5:18 -
    loss: 0.3577 - acc: 0.8194
5479 491/620 [=====>.....] - ETA: 5:16 -
    loss: 0.3576 - acc: 0.8194
5480 492/620 [=====>.....] - ETA: 5:13 -
    loss: 0.3575 - acc: 0.8193
5481 493/620 [=====>.....] - ETA: 5:11 -
    loss: 0.3577 - acc: 0.8191
5482 494/620 [=====>.....] - ETA: 5:08 -
    loss: 0.3579 - acc: 0.8189
5483 495/620 [=====>.....] - ETA: 5:06 -
    loss: 0.3577 - acc: 0.8191
5484 496/620 [=====>.....] - ETA: 5:03 -
    loss: 0.3577 - acc: 0.8192
5485 497/620 [=====>.....] - ETA: 5:01 -
    loss: 0.3579 - acc: 0.8189
5486 498/620 [=====>.....] - ETA: 4:59 -
    loss: 0.3580 - acc: 0.8188
5487 499/620 [=====>.....] - ETA: 4:56 -
    loss: 0.3578 - acc: 0.8187
5488 500/620 [=====>.....] - ETA: 4:53 -
    loss: 0.3577 - acc: 0.8191
5489 501/620 [=====>.....] - ETA: 4:51 -
    loss: 0.3576 - acc: 0.8192
5490 502/620 [=====>.....] - ETA: 4:48 -
    loss: 0.3575 - acc: 0.8192
5491 503/620 [=====>.....] - ETA: 4:46 -
    loss: 0.3575 - acc: 0.8192
5492 504/620 [=====>.....] - ETA: 4:43 -
    loss: 0.3574 - acc: 0.8194
5493 505/620 [=====>.....] - ETA: 4:41 -
    loss: 0.3573 - acc: 0.8195
5494 506/620 [=====>.....] - ETA: 4:38 -
    loss: 0.3573 - acc: 0.8195
5495 507/620 [=====>.....] - ETA: 4:36 -
    loss: 0.3573 - acc: 0.8194
5496 508/620 [=====>.....] - ETA: 4:34 -
    loss: 0.3575 - acc: 0.8193
```

```
5497 509/620 [=====>.....] - ETA: 4:31 -
    loss: 0.3574 - acc: 0.8194
5498 510/620 [=====>.....] - ETA: 4:29 -
    loss: 0.3572 - acc: 0.8194
5499 511/620 [=====>.....] - ETA: 4:26 -
    loss: 0.3569 - acc: 0.8195
5500 512/620 [=====>.....] - ETA: 4:24 -
    loss: 0.3570 - acc: 0.8194
5501 513/620 [=====>.....] - ETA: 4:21 -
    loss: 0.3569 - acc: 0.8195
5502 514/620 [=====>.....] - ETA: 4:19 -
    loss: 0.3570 - acc: 0.8196
5503 515/620 [=====>.....] - ETA: 4:16 -
    loss: 0.3567 - acc: 0.8197
5504 516/620 [=====>.....] - ETA: 4:14 -
    loss: 0.3571 - acc: 0.8194
5505 517/620 [=====>.....] - ETA: 4:11 -
    loss: 0.3573 - acc: 0.8192
5506 518/620 [=====>.....] - ETA: 4:09 -
    loss: 0.3573 - acc: 0.8194
5507 519/620 [=====>.....] - ETA: 4:06 -
    loss: 0.3572 - acc: 0.8194
5508 520/620 [=====>.....] - ETA: 4:04 -
    loss: 0.3571 - acc: 0.8193
5509 521/620 [=====>.....] - ETA: 4:01 -
    loss: 0.3571 - acc: 0.8193
5510 522/620 [=====>.....] - ETA: 3:59 -
    loss: 0.3570 - acc: 0.8195
5511 523/620 [=====>.....] - ETA: 3:56 -
    loss: 0.3570 - acc: 0.8195
5512 524/620 [=====>.....] - ETA: 3:54 -
    loss: 0.3571 - acc: 0.8196
5513 525/620 [=====>.....] - ETA: 3:51 -
    loss: 0.3571 - acc: 0.8196
5514 526/620 [=====>.....] - ETA: 3:49 -
    loss: 0.3574 - acc: 0.8193
5515 527/620 [=====>.....] - ETA: 3:47 -
    loss: 0.3572 - acc: 0.8195
5516 528/620 [=====>.....] - ETA: 3:44 -
    loss: 0.3571 - acc: 0.8195
5517 529/620 [=====>.....] - ETA: 3:42 -
    loss: 0.3573 - acc: 0.8193
5518 530/620 [=====>.....] - ETA: 3:39 -
    loss: 0.3574 - acc: 0.8193
5519 531/620 [=====>.....] - ETA: 3:37 -
```

```
5519 loss: 0.3573 - acc: 0.8192
5520 532/620 [=====>.....] - ETA: 3:34 -
    loss: 0.3573 - acc: 0.8192
5521 533/620 [=====>.....] - ETA: 3:32 -
    loss: 0.3576 - acc: 0.8190
5522 534/620 [=====>.....] - ETA: 3:29 -
    loss: 0.3577 - acc: 0.8190
5523 535/620 [=====>.....] - ETA: 3:27 -
    loss: 0.3579 - acc: 0.8188
5524 536/620 [=====>.....] - ETA: 3:24 -
    loss: 0.3577 - acc: 0.8189
5525 537/620 [=====>.....] - ETA: 3:22 -
    loss: 0.3577 - acc: 0.8187
5526 538/620 [=====>.....] - ETA: 3:19 -
    loss: 0.3575 - acc: 0.8190
5527 539/620 [=====>.....] - ETA: 3:17 -
    loss: 0.3575 - acc: 0.8190
5528 540/620 [=====>.....] - ETA: 3:14 -
    loss: 0.3576 - acc: 0.8189
5529 541/620 [=====>.....] - ETA: 3:12 -
    loss: 0.3574 - acc: 0.8191
5530 542/620 [=====>.....] - ETA: 3:09 -
    loss: 0.3572 - acc: 0.8192
5531 543/620 [=====>.....] - ETA: 3:07 -
    loss: 0.3572 - acc: 0.8191
5532 544/620 [=====>.....] - ETA: 3:05 -
    loss: 0.3573 - acc: 0.8191
5533 545/620 [=====>.....] - ETA: 3:02 -
    loss: 0.3573 - acc: 0.8191
5534 546/620 [=====>.....] - ETA: 3:00 -
    loss: 0.3575 - acc: 0.8188
5535 547/620 [=====>.....] - ETA: 2:57 -
    loss: 0.3575 - acc: 0.8188
5536 548/620 [=====>.....] - ETA: 2:55 -
    loss: 0.3573 - acc: 0.8189
5537 549/620 [=====>.....] - ETA: 2:52 -
    loss: 0.3573 - acc: 0.8189
5538 550/620 [=====>.....] - ETA: 2:50 -
    loss: 0.3574 - acc: 0.8188
5539 551/620 [=====>.....] - ETA: 2:47 -
    loss: 0.3573 - acc: 0.8189
5540 552/620 [=====>.....] - ETA: 2:45 -
    loss: 0.3572 - acc: 0.8191
5541 553/620 [=====>.....] - ETA: 2:43 -
    loss: 0.3572 - acc: 0.8190
```

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```
5542 554/620 [=====>....] - ETA: 2:40 -
    loss: 0.3571 - acc: 0.8191
5543 555/620 [=====>....] - ETA: 2:38 -
    loss: 0.3572 - acc: 0.8192
5544 556/620 [=====>....] - ETA: 2:35 -
    loss: 0.3570 - acc: 0.8193
5545 557/620 [=====>....] - ETA: 2:33 -
    loss: 0.3570 - acc: 0.8193
5546 558/620 [=====>...] - ETA: 2:30 -
    loss: 0.3568 - acc: 0.8193
5547 559/620 [=====>...] - ETA: 2:28 -
    loss: 0.3569 - acc: 0.8194
5548 560/620 [=====>...] - ETA: 2:25 -
    loss: 0.3571 - acc: 0.8191
5549 561/620 [=====>...] - ETA: 2:23 -
    loss: 0.3570 - acc: 0.8192
5550 562/620 [=====>...] - ETA: 2:20 -
    loss: 0.3575 - acc: 0.8190
5551 563/620 [=====>...] - ETA: 2:18 -
    loss: 0.3575 - acc: 0.8190
5552 564/620 [=====>...] - ETA: 2:16 -
    loss: 0.3576 - acc: 0.8191
5553 565/620 [=====>...] - ETA: 2:13 -
    loss: 0.3575 - acc: 0.8192
5554 566/620 [=====>...] - ETA: 2:11 -
    loss: 0.3574 - acc: 0.8192
5555 567/620 [=====>...] - ETA: 2:08 -
    loss: 0.3577 - acc: 0.8191
5556 568/620 [=====>...] - ETA: 2:06 -
    loss: 0.3574 - acc: 0.8193
5557 569/620 [=====>...] - ETA: 2:03 -
    loss: 0.3572 - acc: 0.8194
5558 570/620 [=====>...] - ETA: 2:01 -
    loss: 0.3571 - acc: 0.8195
5559 571/620 [=====>...] - ETA: 1:58 -
    loss: 0.3570 - acc: 0.8195
5560 572/620 [=====>...] - ETA: 1:56 -
    loss: 0.3568 - acc: 0.8197
5561 573/620 [=====>...] - ETA: 1:54 -
    loss: 0.3566 - acc: 0.8198
5562 574/620 [=====>...] - ETA: 1:51 -
    loss: 0.3565 - acc: 0.8198
5563 575/620 [=====>...] - ETA: 1:49 -
    loss: 0.3564 - acc: 0.8198
5564 576/620 [=====>...] - ETA: 1:46 -
```

```
5564 loss: 0.3566 - acc: 0.8196
5565 577/620 [=====>...] - ETA: 1:44 -
    loss: 0.3566 - acc: 0.8194
5566 578/620 [=====>...] - ETA: 1:41 -
    loss: 0.3564 - acc: 0.8195
5567 579/620 [=====>...] - ETA: 1:39 -
    loss: 0.3566 - acc: 0.8195
5568 580/620 [=====>...] - ETA: 1:37 -
    loss: 0.3565 - acc: 0.8197
5569 581/620 [=====>...] - ETA: 1:34 -
    loss: 0.3565 - acc: 0.8197
5570 582/620 [=====>...] - ETA: 1:32 -
    loss: 0.3564 - acc: 0.8197
5571 583/620 [=====>...] - ETA: 1:29 -
    loss: 0.3564 - acc: 0.8195
5572 584/620 [=====>...] - ETA: 1:27 -
    loss: 0.3563 - acc: 0.8196
5573 585/620 [=====>...] - ETA: 1:24 -
    loss: 0.3565 - acc: 0.8195
5574 586/620 [=====>...] - ETA: 1:22 -
    loss: 0.3564 - acc: 0.8196
5575 587/620 [=====>...] - ETA: 1:19 -
    loss: 0.3562 - acc: 0.8197
5576 588/620 [=====>...] - ETA: 1:17 -
    loss: 0.3561 - acc: 0.8198
5577 589/620 [=====>...] - ETA: 1:15 -
    loss: 0.3561 - acc: 0.8197
5578 590/620 [=====>...] - ETA: 1:12 -
    loss: 0.3560 - acc: 0.8197
5579 591/620 [=====>...] - ETA: 1:10 -
    loss: 0.3560 - acc: 0.8196
5580 592/620 [=====>...] - ETA: 1:07 -
    loss: 0.3559 - acc: 0.8197
5581 593/620 [=====>...] - ETA: 1:05 -
    loss: 0.3558 - acc: 0.8197
5582 594/620 [=====>...] - ETA: 1:02 -
    loss: 0.3560 - acc: 0.8196
5583 595/620 [=====>...] - ETA: 1:00 -
    loss: 0.3559 - acc: 0.8196
5584 596/620 [=====>...] - ETA: 58s -
    loss: 0.3559 - acc: 0.8196
5585 597/620 [=====>...] - ETA: 55s -
    loss: 0.3560 - acc: 0.8197
5586 598/620 [=====>...] - ETA: 53s -
    loss: 0.3561 - acc: 0.8196
```

```
5587 599/620 [=====>..] - ETA: 50s -
    loss: 0.3561 - acc: 0.8196
5588 600/620 [=====>..] - ETA: 48s -
    loss: 0.3561 - acc: 0.8196
5589 601/620 [=====>..] - ETA: 45s -
    loss: 0.3560 - acc: 0.8197
5590 602/620 [=====>..] - ETA: 43s -
    loss: 0.3559 - acc: 0.8198
5591 603/620 [=====>..] - ETA: 41s -
    loss: 0.3561 - acc: 0.8197
5592 604/620 [=====>..] - ETA: 38s -
    loss: 0.3560 - acc: 0.8198
5593 605/620 [=====>..] - ETA: 36s -
    loss: 0.3560 - acc: 0.8198
5594 606/620 [=====>..] - ETA: 33s -
    loss: 0.3561 - acc: 0.8197
5595 607/620 [=====>..] - ETA: 31s -
    loss: 0.3563 - acc: 0.8196
5596 608/620 [=====>..] - ETA: 29s -
    loss: 0.3565 - acc: 0.8194
5597 609/620 [=====>..] - ETA: 26s -
    loss: 0.3565 - acc: 0.8193
5598 610/620 [=====>..] - ETA: 24s -
    loss: 0.3564 - acc: 0.8194
5599 611/620 [=====>..] - ETA: 21s -
    loss: 0.3566 - acc: 0.8191
5600 612/620 [=====>..] - ETA: 19s -
    loss: 0.3566 - acc: 0.8192
5601 613/620 [=====>..] - ETA: 16s -
    loss: 0.3564 - acc: 0.8194
5602 614/620 [=====>..] - ETA: 14s -
    loss: 0.3563 - acc: 0.8194
5603 615/620 [=====>..] - ETA: 12s -
    loss: 0.3565 - acc: 0.8194
5604 616/620 [=====>..] - ETA: 9s -
    loss: 0.3566 - acc: 0.8192
5605 617/620 [=====>..] - ETA: 7s -
    loss: 0.3565 - acc: 0.8194
5606 618/620 [=====>..] - ETA: 4s -
    loss: 0.3566 - acc: 0.8194
5607 619/620 [=====>..] - ETA: 2s -
    loss: 0.3564 - acc: 0.8195
5608 620/620 [=====] - 1539s 2s/step
    - loss: 0.3567 - acc: 0.8192 - val_loss: 0.8039 -
    val_acc: 0.7970
```

```
5609 Epoch 10/10
5610
5611    1/620 [.....] - ETA: 23:41 -
      loss: 0.3510 - acc: 0.8438
5612    2/620 [.....] - ETA: 23:29 -
      loss: 0.3352 - acc: 0.8438
5613    3/620 [.....] - ETA: 24:12 -
      loss: 0.3471 - acc: 0.8229
5614    4/620 [.....] - ETA: 24:01 -
      loss: 0.3593 - acc: 0.8281
5615    5/620 [.....] - ETA: 23:55 -
      loss: 0.3709 - acc: 0.8063
5616    6/620 [.....] - ETA: 23:52 -
      loss: 0.3689 - acc: 0.8021
5617    7/620 [.....] - ETA: 23:49 -
      loss: 0.3645 - acc: 0.8080
5618    8/620 [.....] - ETA: 23:42 -
      loss: 0.3623 - acc: 0.8086
5619    9/620 [.....] - ETA: 23:30 -
      loss: 0.3568 - acc: 0.8160
5620   10/620 [.....] - ETA: 23:28 -
      loss: 0.3538 - acc: 0.8187
5621   11/620 [.....] - ETA: 23:24 -
      loss: 0.3397 - acc: 0.8295
5622   12/620 [.....] - ETA: 23:22 -
      loss: 0.3362 - acc: 0.8307
5623   13/620 [.....] - ETA: 23:18 -
      loss: 0.3321 - acc: 0.8317
5624   14/620 [.....] - ETA: 23:17 -
      loss: 0.3351 - acc: 0.8304
5625   15/620 [.....] - ETA: 23:14 -
      loss: 0.3308 - acc: 0.8313
5626   16/620 [.....] - ETA: 23:16 -
      loss: 0.3374 - acc: 0.8281
5627   17/620 [.....] - ETA: 23:23 -
      loss: 0.3304 - acc: 0.8327
5628   18/620 [.....] - ETA: 23:22 -
      loss: 0.3317 - acc: 0.8264
5629   19/620 [.....] - ETA: 23:19 -
      loss: 0.3386 - acc: 0.8240
5630   20/620 [.....] - ETA: 22:39 -
      loss: 0.3368 - acc: 0.8286
5631   21/620 [>.....] - ETA: 22:38 -
      loss: 0.3309 - acc: 0.8323
5632   22/620 [>.....] - ETA: 22:37 -
```

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```
5632 loss: 0.3318 - acc: 0.8343
5633 23/620 [>.....] - ETA: 22:35 -
    loss: 0.3318 - acc: 0.8333
5634 24/620 [>.....] - ETA: 22:33 -
    loss: 0.3307 - acc: 0.8325
5635 25/620 [>.....] - ETA: 22:31 -
    loss: 0.3406 - acc: 0.8267
5636 26/620 [>.....] - ETA: 22:29 -
    loss: 0.3404 - acc: 0.8273
5637 27/620 [>.....] - ETA: 22:27 -
    loss: 0.3405 - acc: 0.8291
5638 28/620 [>.....] - ETA: 22:26 -
    loss: 0.3453 - acc: 0.8229
5639 29/620 [>.....] - ETA: 22:22 -
    loss: 0.3440 - acc: 0.8247
5640 30/620 [>.....] - ETA: 22:21 -
    loss: 0.3443 - acc: 0.8222
5641 31/620 [>.....] - ETA: 22:20 -
    loss: 0.3463 - acc: 0.8189
5642 32/620 [>.....] - ETA: 22:18 -
    loss: 0.3485 - acc: 0.8187
5643 33/620 [>.....] - ETA: 22:16 -
    loss: 0.3479 - acc: 0.8213
5644 34/620 [>.....] - ETA: 22:14 -
    loss: 0.3487 - acc: 0.8238
5645 35/620 [>.....] - ETA: 22:12 -
    loss: 0.3491 - acc: 0.8226
5646 36/620 [>.....] - ETA: 22:09 -
    loss: 0.3489 - acc: 0.8241
5647 37/620 [>.....] - ETA: 22:08 -
    loss: 0.3510 - acc: 0.8238
5648 38/620 [>.....] - ETA: 22:06 -
    loss: 0.3507 - acc: 0.8243
5649 39/620 [>.....] - ETA: 22:05 -
    loss: 0.3486 - acc: 0.8256
5650 40/620 [>.....] - ETA: 21:46 -
    loss: 0.3462 - acc: 0.8258
5651 41/620 [>.....] - ETA: 21:45 -
    loss: 0.3480 - acc: 0.8232
5652 42/620 [=>.....] - ETA: 21:43 -
    loss: 0.3469 - acc: 0.8237
5653 43/620 [=>.....] - ETA: 21:46 -
    loss: 0.3483 - acc: 0.8219
5654 44/620 [=>.....] - ETA: 21:49 -
    loss: 0.3480 - acc: 0.8224
```

```
5655 45/620 [=>.....] - ETA: 21:47 -
    loss: 0.3485 - acc: 0.8222
5656 46/620 [=>.....] - ETA: 21:45 -
    loss: 0.3507 - acc: 0.8220
5657 47/620 [=>.....] - ETA: 21:43 -
    loss: 0.3496 - acc: 0.8225
5658 48/620 [=>.....] - ETA: 21:40 -
    loss: 0.3479 - acc: 0.8236
5659 49/620 [=>.....] - ETA: 21:38 -
    loss: 0.3448 - acc: 0.8265
5660 50/620 [=>.....] - ETA: 21:36 -
    loss: 0.3430 - acc: 0.8275
5661 51/620 [=>.....] - ETA: 21:33 -
    loss: 0.3430 - acc: 0.8278
5662 52/620 [=>.....] - ETA: 21:31 -
    loss: 0.3442 - acc: 0.8287
5663 53/620 [=>.....] - ETA: 21:29 -
    loss: 0.3461 - acc: 0.8267
5664 54/620 [=>.....] - ETA: 21:26 -
    loss: 0.3446 - acc: 0.8275
5665 55/620 [=>.....] - ETA: 21:24 -
    loss: 0.3435 - acc: 0.8284
5666 56/620 [=>.....] - ETA: 21:23 -
    loss: 0.3440 - acc: 0.8276
5667 57/620 [=>.....] - ETA: 21:23 -
    loss: 0.3436 - acc: 0.8284
5668 58/620 [=>.....] - ETA: 21:21 -
    loss: 0.3428 - acc: 0.8292
5669 59/620 [=>.....] - ETA: 21:19 -
    loss: 0.3447 - acc: 0.8300
5670 60/620 [=>.....] - ETA: 21:06 -
    loss: 0.3549 - acc: 0.8245
5671 61/620 [=>.....] - ETA: 21:05 -
    loss: 0.3549 - acc: 0.8243
5672 62/620 [==>.....] - ETA: 21:03 -
    loss: 0.3555 - acc: 0.8231
5673 63/620 [==>.....] - ETA: 21:00 -
    loss: 0.3554 - acc: 0.8229
5674 64/620 [==>.....] - ETA: 20:59 -
    loss: 0.3596 - acc: 0.8208
5675 65/620 [==>.....] - ETA: 20:56 -
    loss: 0.3607 - acc: 0.8207
5676 66/620 [==>.....] - ETA: 20:54 -
    loss: 0.3615 - acc: 0.8210
5677 67/620 [==>.....] - ETA: 20:53 -
```

File - cnn_2D_model

```
5677 loss: 0.3614 - acc: 0.8209
5678 68/620 [==>.....] - ETA: 20:51 -
    loss: 0.3620 - acc: 0.8208
5679 69/620 [==>.....] - ETA: 20:48 -
    loss: 0.3611 - acc: 0.8216
5680 70/620 [==>.....] - ETA: 20:48 -
    loss: 0.3595 - acc: 0.8228
5681 71/620 [==>.....] - ETA: 20:48 -
    loss: 0.3592 - acc: 0.8231
5682 72/620 [==>.....] - ETA: 20:46 -
    loss: 0.3604 - acc: 0.8234
5683 73/620 [==>.....] - ETA: 20:44 -
    loss: 0.3596 - acc: 0.8241
5684 74/620 [==>.....] - ETA: 20:41 -
    loss: 0.3597 - acc: 0.8239
5685 75/620 [==>.....] - ETA: 20:39 -
    loss: 0.3608 - acc: 0.8242
5686 76/620 [==>.....] - ETA: 20:37 -
    loss: 0.3604 - acc: 0.8252
5687 77/620 [==>.....] - ETA: 20:35 -
    loss: 0.3598 - acc: 0.8251
5688 78/620 [==>.....] - ETA: 20:33 -
    loss: 0.3593 - acc: 0.8257
5689 79/620 [==>.....] - ETA: 20:31 -
    loss: 0.3618 - acc: 0.8236
5690 80/620 [==>.....] - ETA: 20:21 -
    loss: 0.3642 - acc: 0.8195
5691 81/620 [==>.....] - ETA: 20:19 -
    loss: 0.3638 - acc: 0.8198
5692 82/620 [==>.....] - ETA: 20:17 -
    loss: 0.3632 - acc: 0.8205
5693 83/620 [==>.....] - ETA: 20:15 -
    loss: 0.3623 - acc: 0.8208
5694 84/620 [==>.....] - ETA: 20:14 -
    loss: 0.3619 - acc: 0.8218
5695 85/620 [==>.....] - ETA: 20:12 -
    loss: 0.3624 - acc: 0.8217
5696 86/620 [==>.....] - ETA: 20:10 -
    loss: 0.3632 - acc: 0.8209
5697 87/620 [==>.....] - ETA: 20:08 -
    loss: 0.3640 - acc: 0.8200
5698 88/620 [==>.....] - ETA: 20:06 -
    loss: 0.3639 - acc: 0.8196
5699 89/620 [==>.....] - ETA: 20:03 -
    loss: 0.3625 - acc: 0.8202
```

```
5700  90/620 [==>.....] - ETA: 20:01 -
    loss: 0.3611 - acc: 0.8212
5701  91/620 [==>.....] - ETA: 19:59 -
    loss: 0.3632 - acc: 0.8197
5702  92/620 [==>.....] - ETA: 19:57 -
    loss: 0.3637 - acc: 0.8196
5703  93/620 [==>.....] - ETA: 19:55 -
    loss: 0.3633 - acc: 0.8196
5704  94/620 [==>.....] - ETA: 19:53 -
    loss: 0.3657 - acc: 0.8178
5705  95/620 [==>.....] - ETA: 19:51 -
    loss: 0.3641 - acc: 0.8191
5706  96/620 [==>.....] - ETA: 19:51 -
    loss: 0.3634 - acc: 0.8200
5707  97/620 [==>.....] - ETA: 19:50 -
    loss: 0.3629 - acc: 0.8199
5708  98/620 [==>.....] - ETA: 19:48 -
    loss: 0.3642 - acc: 0.8192
5709  99/620 [==>.....] - ETA: 19:46 -
    loss: 0.3638 - acc: 0.8194
5710  100/620 [==>.....] - ETA: 19:38 -
    loss: 0.3630 - acc: 0.8204
5711  101/620 [==>.....] - ETA: 19:36 -
    loss: 0.3643 - acc: 0.8197
5712  102/620 [==>.....] - ETA: 19:34 -
    loss: 0.3646 - acc: 0.8190
5713  103/620 [==>.....] - ETA: 19:32 -
    loss: 0.3646 - acc: 0.8196
5714  104/620 [====>.....] - ETA: 19:30 -
    loss: 0.3645 - acc: 0.8195
5715  105/620 [=====>.....] - ETA: 19:27 -
    loss: 0.3645 - acc: 0.8191
5716  106/620 [=====>.....] - ETA: 19:25 -
    loss: 0.3642 - acc: 0.8191
5717  107/620 [=====>.....] - ETA: 19:23 -
    loss: 0.3663 - acc: 0.8179
5718  108/620 [=====>.....] - ETA: 19:21 -
    loss: 0.3681 - acc: 0.8172
5719  109/620 [=====>.....] - ETA: 19:18 -
    loss: 0.3683 - acc: 0.8175
5720  110/620 [=====>.....] - ETA: 19:18 -
    loss: 0.3687 - acc: 0.8160
5721  111/620 [=====>.....] - ETA: 19:15 -
    loss: 0.3682 - acc: 0.8163
5722  112/620 [=====>.....] - ETA: 19:13 -
```

File - cnn_2D_model

```
5722 loss: 0.3684 - acc: 0.8162
5723 113/620 [=====>.....] - ETA: 19:11 -
    loss: 0.3684 - acc: 0.8162
5724 114/620 [=====>.....] - ETA: 19:09 -
    loss: 0.3687 - acc: 0.8159
5725 115/620 [=====>.....] - ETA: 19:07 -
    loss: 0.3691 - acc: 0.8159
5726 116/620 [=====>.....] - ETA: 19:05 -
    loss: 0.3702 - acc: 0.8156
5727 117/620 [=====>.....] - ETA: 19:02 -
    loss: 0.3692 - acc: 0.8163
5728 118/620 [=====>.....] - ETA: 19:00 -
    loss: 0.3703 - acc: 0.8160
5729 119/620 [=====>.....] - ETA: 18:58 -
    loss: 0.3694 - acc: 0.8163
5730 120/620 [=====>.....] - ETA: 18:51 -
    loss: 0.3684 - acc: 0.8178
5731 121/620 [=====>.....] - ETA: 18:49 -
    loss: 0.3677 - acc: 0.8183
5732 122/620 [=====>.....] - ETA: 18:47 -
    loss: 0.3681 - acc: 0.8180
5733 123/620 [=====>.....] - ETA: 18:45 -
    loss: 0.3682 - acc: 0.8182
5734 124/620 [=====>.....] - ETA: 18:44 -
    loss: 0.3688 - acc: 0.8181
5735 125/620 [=====>.....] - ETA: 18:42 -
    loss: 0.3687 - acc: 0.8181
5736 126/620 [=====>.....] - ETA: 18:40 -
    loss: 0.3687 - acc: 0.8175
5737 127/620 [=====>.....] - ETA: 18:38 -
    loss: 0.3684 - acc: 0.8177
5738 128/620 [=====>.....] - ETA: 18:36 -
    loss: 0.3688 - acc: 0.8177
5739 129/620 [=====>.....] - ETA: 18:34 -
    loss: 0.3688 - acc: 0.8177
5740 130/620 [=====>.....] - ETA: 18:31 -
    loss: 0.3687 - acc: 0.8179
5741 131/620 [=====>.....] - ETA: 18:29 -
    loss: 0.3683 - acc: 0.8181
5742 132/620 [=====>.....] - ETA: 18:27 -
    loss: 0.3681 - acc: 0.8183
5743 133/620 [=====>.....] - ETA: 18:25 -
    loss: 0.3687 - acc: 0.8182
5744 134/620 [=====>.....] - ETA: 18:23 -
    loss: 0.3694 - acc: 0.8179
```

File - cnn_2D_model

```
5745 135/620 [=====>.....] - ETA: 18:21 -
    loss: 0.3692 - acc: 0.8170
5746 136/620 [=====>.....] - ETA: 18:19 -
    loss: 0.3685 - acc: 0.8172
5747 137/620 [=====>.....] - ETA: 18:17 -
    loss: 0.3680 - acc: 0.8178
5748 138/620 [=====>.....] - ETA: 18:15 -
    loss: 0.3678 - acc: 0.8178
5749 139/620 [=====>.....] - ETA: 18:13 -
    loss: 0.3669 - acc: 0.8186
5750 140/620 [=====>.....] - ETA: 18:06 -
    loss: 0.3676 - acc: 0.8176
5751 141/620 [=====>.....] - ETA: 18:04 -
    loss: 0.3669 - acc: 0.8175
5752 142/620 [=====>.....] - ETA: 18:02 -
    loss: 0.3666 - acc: 0.8175
5753 143/620 [=====>.....] - ETA: 18:00 -
    loss: 0.3661 - acc: 0.8177
5754 144/620 [=====>.....] - ETA: 17:58 -
    loss: 0.3653 - acc: 0.8179
5755 145/620 [=====>.....] - ETA: 17:56 -
    loss: 0.3645 - acc: 0.8180
5756 146/620 [=====>.....] - ETA: 17:53 -
    loss: 0.3647 - acc: 0.8169
5757 147/620 [=====>.....] - ETA: 17:51 -
    loss: 0.3656 - acc: 0.8165
5758 148/620 [=====>.....] - ETA: 17:49 -
    loss: 0.3650 - acc: 0.8164
5759 149/620 [=====>.....] - ETA: 17:48 -
    loss: 0.3648 - acc: 0.8162
5760 150/620 [=====>.....] - ETA: 17:47 -
    loss: 0.3654 - acc: 0.8156
5761 151/620 [=====>.....] - ETA: 17:45 -
    loss: 0.3662 - acc: 0.8153
5762 152/620 [=====>.....] - ETA: 17:43 -
    loss: 0.3654 - acc: 0.8161
5763 153/620 [=====>.....] - ETA: 17:41 -
    loss: 0.3650 - acc: 0.8163
5764 154/620 [=====>.....] - ETA: 17:39 -
    loss: 0.3642 - acc: 0.8169
5765 155/620 [=====>.....] - ETA: 17:37 -
    loss: 0.3641 - acc: 0.8173
5766 156/620 [=====>.....] - ETA: 17:34 -
    loss: 0.3638 - acc: 0.8174
5767 157/620 [=====>.....] - ETA: 17:32 -
```

```
5767 loss: 0.3638 - acc: 0.8178
5768 158/620 [=====>.....] - ETA: 17:30 -
    loss: 0.3643 - acc: 0.8176
5769 159/620 [=====>.....] - ETA: 17:28 -
    loss: 0.3641 - acc: 0.8179
5770 160/620 [=====>.....] - ETA: 17:22 -
    loss: 0.3649 - acc: 0.8180
5771 161/620 [=====>.....] - ETA: 17:20 -
    loss: 0.3645 - acc: 0.8184
5772 162/620 [=====>.....] - ETA: 17:18 -
    loss: 0.3641 - acc: 0.8185
5773 163/620 [=====>.....] - ETA: 17:16 -
    loss: 0.3637 - acc: 0.8191
5774 164/620 [=====>.....] - ETA: 17:14 -
    loss: 0.3639 - acc: 0.8185
5775 165/620 [=====>.....] - ETA: 17:12 -
    loss: 0.3648 - acc: 0.8179
5776 166/620 [=====>.....] - ETA: 17:10 -
    loss: 0.3650 - acc: 0.8180
5777 167/620 [=====>.....] - ETA: 17:08 -
    loss: 0.3644 - acc: 0.8187
5778 168/620 [=====>.....] - ETA: 17:06 -
    loss: 0.3640 - acc: 0.8193
5779 169/620 [=====>.....] - ETA: 17:04 -
    loss: 0.3638 - acc: 0.8194
5780 170/620 [=====>.....] - ETA: 17:02 -
    loss: 0.3641 - acc: 0.8188
5781 171/620 [=====>.....] - ETA: 16:59 -
    loss: 0.3638 - acc: 0.8186
5782 172/620 [=====>.....] - ETA: 16:57 -
    loss: 0.3631 - acc: 0.8189
5783 173/620 [=====>.....] - ETA: 16:55 -
    loss: 0.3637 - acc: 0.8183
5784 174/620 [=====>.....] - ETA: 16:53 -
    loss: 0.3643 - acc: 0.8176
5785 175/620 [=====>.....] - ETA: 16:51 -
    loss: 0.3637 - acc: 0.8177
5786 176/620 [=====>.....] - ETA: 16:49 -
    loss: 0.3640 - acc: 0.8172
5787 177/620 [=====>.....] - ETA: 16:48 -
    loss: 0.3639 - acc: 0.8175
5788 178/620 [=====>.....] - ETA: 16:45 -
    loss: 0.3632 - acc: 0.8180
5789 179/620 [=====>.....] - ETA: 16:43 -
    loss: 0.3624 - acc: 0.8187
```

File - cnn_2D_model

```
5790 180/620 [=====>.....] - ETA: 16:38 -
    loss: 0.3619 - acc: 0.8192
5791 181/620 [=====>.....] - ETA: 16:36 -
    loss: 0.3615 - acc: 0.8193
5792 182/620 [=====>.....] - ETA: 16:34 -
    loss: 0.3614 - acc: 0.8195
5793 183/620 [=====>.....] - ETA: 16:32 -
    loss: 0.3622 - acc: 0.8193
5794 184/620 [=====>.....] - ETA: 16:30 -
    loss: 0.3618 - acc: 0.8196
5795 185/620 [=====>.....] - ETA: 16:28 -
    loss: 0.3612 - acc: 0.8200
5796 186/620 [=====>.....] - ETA: 16:25 -
    loss: 0.3609 - acc: 0.8200
5797 187/620 [=====>.....] - ETA: 16:23 -
    loss: 0.3605 - acc: 0.8200
5798 188/620 [=====>.....] - ETA: 16:21 -
    loss: 0.3602 - acc: 0.8201
5799 189/620 [=====>.....] - ETA: 16:19 -
    loss: 0.3600 - acc: 0.8199
5800 190/620 [=====>.....] - ETA: 16:16 -
    loss: 0.3599 - acc: 0.8200
5801 191/620 [=====>.....] - ETA: 16:14 -
    loss: 0.3606 - acc: 0.8192
5802 192/620 [=====>.....] - ETA: 16:12 -
    loss: 0.3603 - acc: 0.8193
5803 193/620 [=====>.....] - ETA: 16:10 -
    loss: 0.3603 - acc: 0.8194
5804 194/620 [=====>.....] - ETA: 16:08 -
    loss: 0.3602 - acc: 0.8199
5805 195/620 [=====>.....] - ETA: 16:06 -
    loss: 0.3597 - acc: 0.8201
5806 196/620 [=====>.....] - ETA: 16:03 -
    loss: 0.3594 - acc: 0.8203
5807 197/620 [=====>.....] - ETA: 16:01 -
    loss: 0.3593 - acc: 0.8204
5808 198/620 [=====>.....] - ETA: 15:59 -
    loss: 0.3591 - acc: 0.8200
5809 199/620 [=====>.....] - ETA: 15:57 -
    loss: 0.3593 - acc: 0.8198
5810 200/620 [=====>.....] - ETA: 15:52 -
    loss: 0.3594 - acc: 0.8199
5811 201/620 [=====>.....] - ETA: 15:50 -
    loss: 0.3594 - acc: 0.8200
5812 202/620 [=====>.....] - ETA: 15:49 -
```

File - cnn_2D_model

```
5812 loss: 0.3584 - acc: 0.8208
5813 203/620 [=====>.....] - ETA: 15:47 -
    loss: 0.3586 - acc: 0.8202
5814 204/620 [=====>.....] - ETA: 15:45 -
    loss: 0.3587 - acc: 0.8201
5815 205/620 [=====>.....] - ETA: 15:43 -
    loss: 0.3589 - acc: 0.8199
5816 206/620 [=====>.....] - ETA: 15:41 -
    loss: 0.3588 - acc: 0.8198
5817 207/620 [=====>.....] - ETA: 15:38 -
    loss: 0.3590 - acc: 0.8198
5818 208/620 [=====>.....] - ETA: 15:36 -
    loss: 0.3589 - acc: 0.8198
5819 209/620 [=====>.....] - ETA: 15:34 -
    loss: 0.3589 - acc: 0.8193
5820 210/620 [=====>.....] - ETA: 15:32 -
    loss: 0.3592 - acc: 0.8194
5821 211/620 [=====>.....] - ETA: 15:29 -
    loss: 0.3589 - acc: 0.8194
5822 212/620 [=====>.....] - ETA: 15:27 -
    loss: 0.3584 - acc: 0.8196
5823 213/620 [=====>.....] - ETA: 15:25 -
    loss: 0.3583 - acc: 0.8197
5824 214/620 [=====>.....] - ETA: 15:23 -
    loss: 0.3579 - acc: 0.8199
5825 215/620 [=====>.....] - ETA: 15:21 -
    loss: 0.3576 - acc: 0.8203
5826 216/620 [=====>.....] - ETA: 15:19 -
    loss: 0.3583 - acc: 0.8199
5827 217/620 [=====>.....] - ETA: 15:17 -
    loss: 0.3583 - acc: 0.8197
5828 218/620 [=====>.....] - ETA: 15:14 -
    loss: 0.3579 - acc: 0.8199
5829 219/620 [=====>.....] - ETA: 15:12 -
    loss: 0.3575 - acc: 0.8203
5830 220/620 [=====>.....] - ETA: 15:08 -
    loss: 0.3566 - acc: 0.8207
5831 221/620 [=====>.....] - ETA: 15:05 -
    loss: 0.3562 - acc: 0.8208
5832 222/620 [=====>.....] - ETA: 15:03 -
    loss: 0.3564 - acc: 0.8203
5833 223/620 [=====>.....] - ETA: 15:01 -
    loss: 0.3560 - acc: 0.8207
5834 224/620 [=====>.....] - ETA: 14:59 -
    loss: 0.3558 - acc: 0.8205
```

File - cnn_2D_model

```
5835 225/620 [=====>.....] - ETA: 14:57 -
    loss: 0.3554 - acc: 0.8209
5836 226/620 [=====>.....] - ETA: 14:54 -
    loss: 0.3553 - acc: 0.8210
5837 227/620 [=====>.....] - ETA: 14:52 -
    loss: 0.3554 - acc: 0.8206
5838 228/620 [=====>.....] - ETA: 14:50 -
    loss: 0.3560 - acc: 0.8207
5839 229/620 [=====>.....] - ETA: 14:49 -
    loss: 0.3557 - acc: 0.8208
5840 230/620 [=====>.....] - ETA: 14:47 -
    loss: 0.3556 - acc: 0.8205
5841 231/620 [=====>.....] - ETA: 14:44 -
    loss: 0.3556 - acc: 0.8199
5842 232/620 [=====>.....] - ETA: 14:42 -
    loss: 0.3555 - acc: 0.8199
5843 233/620 [=====>.....] - ETA: 14:40 -
    loss: 0.3555 - acc: 0.8200
5844 234/620 [=====>.....] - ETA: 14:38 -
    loss: 0.3564 - acc: 0.8195
5845 235/620 [=====>.....] - ETA: 14:36 -
    loss: 0.3565 - acc: 0.8195
5846 236/620 [=====>.....] - ETA: 14:33 -
    loss: 0.3561 - acc: 0.8197
5847 237/620 [=====>.....] - ETA: 14:31 -
    loss: 0.3559 - acc: 0.8198
5848 238/620 [=====>.....] - ETA: 14:29 -
    loss: 0.3556 - acc: 0.8201
5849 239/620 [=====>.....] - ETA: 14:27 -
    loss: 0.3551 - acc: 0.8204
5850 240/620 [=====>.....] - ETA: 14:22 -
    loss: 0.3559 - acc: 0.8205
5851 241/620 [=====>.....] - ETA: 14:20 -
    loss: 0.3559 - acc: 0.8206
5852 242/620 [=====>.....] - ETA: 14:18 -
    loss: 0.3555 - acc: 0.8208
5853 243/620 [=====>.....] - ETA: 14:16 -
    loss: 0.3555 - acc: 0.8206
5854 244/620 [=====>.....] - ETA: 14:14 -
    loss: 0.3549 - acc: 0.8213
5855 245/620 [=====>.....] - ETA: 14:12 -
    loss: 0.3546 - acc: 0.8216
5856 246/620 [=====>.....] - ETA: 14:09 -
    loss: 0.3541 - acc: 0.8218
5857 247/620 [=====>.....] - ETA: 14:07 -
```

```
5857 loss: 0.3540 - acc: 0.8218
5858 248/620 [=====>.....] - ETA: 14:05 -
    loss: 0.3539 - acc: 0.8219
5859 249/620 [=====>.....] - ETA: 14:03 -
    loss: 0.3547 - acc: 0.8213
5860 250/620 [=====>.....] - ETA: 14:00 -
    loss: 0.3542 - acc: 0.8217
5861 251/620 [=====>.....] - ETA: 13:58 -
    loss: 0.3551 - acc: 0.8209
5862 252/620 [=====>.....] - ETA: 13:56 -
    loss: 0.3555 - acc: 0.8206
5863 253/620 [=====>.....] - ETA: 13:54 -
    loss: 0.3553 - acc: 0.8204
5864 254/620 [=====>.....] - ETA: 13:52 -
    loss: 0.3550 - acc: 0.8207
5865 255/620 [=====>.....] - ETA: 13:50 -
    loss: 0.3553 - acc: 0.8204
5866 256/620 [=====>.....] - ETA: 13:48 -
    loss: 0.3549 - acc: 0.8205
5867 257/620 [=====>.....] - ETA: 13:46 -
    loss: 0.3548 - acc: 0.8206
5868 258/620 [=====>.....] - ETA: 13:44 -
    loss: 0.3542 - acc: 0.8209
5869 259/620 [=====>.....] - ETA: 13:41 -
    loss: 0.3541 - acc: 0.8211
5870 260/620 [=====>.....] - ETA: 13:38 -
    loss: 0.3541 - acc: 0.8212
5871 261/620 [=====>.....] - ETA: 13:35 -
    loss: 0.3536 - acc: 0.8217
5872 262/620 [=====>.....] - ETA: 13:33 -
    loss: 0.3529 - acc: 0.8222
5873 263/620 [=====>.....] - ETA: 13:31 -
    loss: 0.3526 - acc: 0.8225
5874 264/620 [=====>.....] - ETA: 13:29 -
    loss: 0.3528 - acc: 0.8226
5875 265/620 [=====>.....] - ETA: 13:26 -
    loss: 0.3529 - acc: 0.8224
5876 266/620 [=====>.....] - ETA: 13:24 -
    loss: 0.3528 - acc: 0.8226
5877 267/620 [=====>.....] - ETA: 13:22 -
    loss: 0.3527 - acc: 0.8224
5878 268/620 [=====>.....] - ETA: 13:20 -
    loss: 0.3526 - acc: 0.8224
5879 269/620 [=====>.....] - ETA: 13:17 -
    loss: 0.3529 - acc: 0.8221
```

File - cnn_2D_model

```
5880 270/620 [=====>.....] - ETA: 13:15 -
    loss: 0.3525 - acc: 0.8222
5881 271/620 [=====>.....] - ETA: 13:13 -
    loss: 0.3522 - acc: 0.8223
5882 272/620 [=====>.....] - ETA: 13:11 -
    loss: 0.3519 - acc: 0.8226
5883 273/620 [=====>.....] - ETA: 13:09 -
    loss: 0.3520 - acc: 0.8225
5884 274/620 [=====>.....] - ETA: 13:06 -
    loss: 0.3519 - acc: 0.8225
5885 275/620 [=====>.....] - ETA: 13:04 -
    loss: 0.3523 - acc: 0.8224
5886 276/620 [=====>.....] - ETA: 13:02 -
    loss: 0.3523 - acc: 0.8222
5887 277/620 [=====>.....] - ETA: 13:00 -
    loss: 0.3522 - acc: 0.8222
5888 278/620 [=====>.....] - ETA: 12:57 -
    loss: 0.3522 - acc: 0.8222
5889 279/620 [=====>.....] - ETA: 12:55 -
    loss: 0.3519 - acc: 0.8224
5890 280/620 [=====>.....] - ETA: 12:51 -
    loss: 0.3520 - acc: 0.8221
5891 281/620 [=====>.....] - ETA: 12:49 -
    loss: 0.3521 - acc: 0.8222
5892 282/620 [=====>.....] - ETA: 12:47 -
    loss: 0.3518 - acc: 0.8223
5893 283/620 [=====>.....] - ETA: 12:45 -
    loss: 0.3517 - acc: 0.8224
5894 284/620 [=====>.....] - ETA: 12:43 -
    loss: 0.3514 - acc: 0.8230
5895 285/620 [=====>.....] - ETA: 12:41 -
    loss: 0.3512 - acc: 0.8229
5896 286/620 [=====>.....] - ETA: 12:39 -
    loss: 0.3511 - acc: 0.8229
5897 287/620 [=====>.....] - ETA: 12:36 -
    loss: 0.3513 - acc: 0.8227
5898 288/620 [=====>.....] - ETA: 12:34 -
    loss: 0.3513 - acc: 0.8226
5899 289/620 [=====>.....] - ETA: 12:32 -
    loss: 0.3512 - acc: 0.8224
5900 290/620 [=====>.....] - ETA: 12:30 -
    loss: 0.3514 - acc: 0.8223
5901 291/620 [=====>.....] - ETA: 12:27 -
    loss: 0.3514 - acc: 0.8224
5902 292/620 [=====>.....] - ETA: 12:25 -
```

```
5902 loss: 0.3510 - acc: 0.8227
5903 293/620 [=====>.....] - ETA: 12:23 -
    loss: 0.3509 - acc: 0.8227
5904 294/620 [=====>.....] - ETA: 12:21 -
    loss: 0.3510 - acc: 0.8227
5905 295/620 [=====>.....] - ETA: 12:18 -
    loss: 0.3510 - acc: 0.8228
5906 296/620 [=====>.....] - ETA: 12:16 -
    loss: 0.3512 - acc: 0.8223
5907 297/620 [=====>.....] - ETA: 12:14 -
    loss: 0.3515 - acc: 0.8220
5908 298/620 [=====>.....] - ETA: 12:12 -
    loss: 0.3517 - acc: 0.8218
5909 299/620 [=====>.....] - ETA: 12:09 -
    loss: 0.3514 - acc: 0.8220
5910 300/620 [=====>.....] - ETA: 12:06 -
    loss: 0.3512 - acc: 0.8220
5911 301/620 [=====>.....] - ETA: 12:04 -
    loss: 0.3513 - acc: 0.8220
5912 302/620 [=====>.....] - ETA: 12:01 -
    loss: 0.3515 - acc: 0.8220
5913 303/620 [=====>.....] - ETA: 11:59 -
    loss: 0.3523 - acc: 0.8215
5914 304/620 [=====>.....] - ETA: 11:57 -
    loss: 0.3521 - acc: 0.8218
5915 305/620 [=====>.....] - ETA: 11:55 -
    loss: 0.3530 - acc: 0.8219
5916 306/620 [=====>.....] - ETA: 11:53 -
    loss: 0.3535 - acc: 0.8216
5917 307/620 [=====>.....] - ETA: 11:51 -
    loss: 0.3531 - acc: 0.8219
5918 308/620 [=====>.....] - ETA: 11:49 -
    loss: 0.3530 - acc: 0.8220
5919 309/620 [=====>.....] - ETA: 11:47 -
    loss: 0.3530 - acc: 0.8221
5920 310/620 [=====>.....] - ETA: 11:44 -
    loss: 0.3530 - acc: 0.8220
5921 311/620 [=====>.....] - ETA: 11:42 -
    loss: 0.3530 - acc: 0.8219
5922 312/620 [=====>.....] - ETA: 11:40 -
    loss: 0.3527 - acc: 0.8220
5923 313/620 [=====>.....] - ETA: 11:38 -
    loss: 0.3530 - acc: 0.8217
5924 314/620 [=====>.....] - ETA: 11:35 -
    loss: 0.3531 - acc: 0.8216
```

```
5925 315/620 [=====>.....] - ETA: 11:33 -
    loss: 0.3529 - acc: 0.8216
5926 316/620 [=====>.....] - ETA: 11:31 -
    loss: 0.3529 - acc: 0.8217
5927 317/620 [=====>.....] - ETA: 11:29 -
    loss: 0.3530 - acc: 0.8214
5928 318/620 [=====>.....] - ETA: 11:26 -
    loss: 0.3527 - acc: 0.8216
5929 319/620 [=====>.....] - ETA: 11:24 -
    loss: 0.3526 - acc: 0.8216
5930 320/620 [=====>.....] - ETA: 11:21 -
    loss: 0.3535 - acc: 0.8211
5931 321/620 [=====>.....] - ETA: 11:18 -
    loss: 0.3537 - acc: 0.8210
5932 322/620 [=====>.....] - ETA: 11:16 -
    loss: 0.3535 - acc: 0.8212
5933 323/620 [=====>.....] - ETA: 11:14 -
    loss: 0.3532 - acc: 0.8215
5934 324/620 [=====>.....] - ETA: 11:12 -
    loss: 0.3532 - acc: 0.8216
5935 325/620 [=====>.....] - ETA: 11:10 -
    loss: 0.3534 - acc: 0.8214
5936 326/620 [=====>.....] - ETA: 11:08 -
    loss: 0.3532 - acc: 0.8217
5937 327/620 [=====>.....] - ETA: 11:05 -
    loss: 0.3535 - acc: 0.8216
5938 328/620 [=====>.....] - ETA: 11:03 -
    loss: 0.3534 - acc: 0.8216
5939 329/620 [=====>.....] - ETA: 11:01 -
    loss: 0.3533 - acc: 0.8215
5940 330/620 [=====>.....] - ETA: 10:59 -
    loss: 0.3530 - acc: 0.8218
5941 331/620 [=====>.....] - ETA: 10:56 -
    loss: 0.3528 - acc: 0.8218
5942 332/620 [=====>.....] - ETA: 10:54 -
    loss: 0.3530 - acc: 0.8217
5943 333/620 [=====>.....] - ETA: 10:52 -
    loss: 0.3531 - acc: 0.8216
5944 334/620 [=====>.....] - ETA: 10:50 -
    loss: 0.3533 - acc: 0.8216
5945 335/620 [=====>.....] - ETA: 10:47 -
    loss: 0.3545 - acc: 0.8215
5946 336/620 [=====>.....] - ETA: 10:45 -
    loss: 0.3545 - acc: 0.8215
5947 337/620 [=====>.....] - ETA: 10:43 -
```

```
5947 loss: 0.3543 - acc: 0.8216
5948 338/620 [=====>.....] - ETA: 10:41 -
    loss: 0.3542 - acc: 0.8216
5949 339/620 [=====>.....] - ETA: 10:39 -
    loss: 0.3543 - acc: 0.8213
5950 340/620 [=====>.....] - ETA: 10:35 -
    loss: 0.3542 - acc: 0.8214
5951 341/620 [=====>.....] - ETA: 10:33 -
    loss: 0.3539 - acc: 0.8216
5952 342/620 [=====>.....] - ETA: 10:31 -
    loss: 0.3540 - acc: 0.8215
5953 343/620 [=====>.....] - ETA: 10:29 -
    loss: 0.3538 - acc: 0.8217
5954 344/620 [=====>.....] - ETA: 10:26 -
    loss: 0.3540 - acc: 0.8216
5955 345/620 [=====>.....] - ETA: 10:24 -
    loss: 0.3543 - acc: 0.8213
5956 346/620 [=====>.....] - ETA: 10:22 -
    loss: 0.3545 - acc: 0.8211
5957 347/620 [=====>.....] - ETA: 10:20 -
    loss: 0.3543 - acc: 0.8215
5958 348/620 [=====>.....] - ETA: 10:17 -
    loss: 0.3539 - acc: 0.8218
5959 349/620 [=====>.....] - ETA: 10:15 -
    loss: 0.3539 - acc: 0.8220
5960 350/620 [=====>.....] - ETA: 10:13 -
    loss: 0.3536 - acc: 0.8220
5961 351/620 [=====>.....] - ETA: 10:11 -
    loss: 0.3534 - acc: 0.8222
5962 352/620 [=====>.....] - ETA: 10:09 -
    loss: 0.3536 - acc: 0.8220
5963 353/620 [=====>.....] - ETA: 10:06 -
    loss: 0.3535 - acc: 0.8218
5964 354/620 [=====>.....] - ETA: 10:04 -
    loss: 0.3534 - acc: 0.8218
5965 355/620 [=====>.....] - ETA: 10:02 -
    loss: 0.3534 - acc: 0.8218
5966 356/620 [=====>.....] - ETA: 10:00 -
    loss: 0.3535 - acc: 0.8218
5967 357/620 [=====>.....] - ETA: 9:57 -
    loss: 0.3535 - acc: 0.8217
5968 358/620 [=====>.....] - ETA: 9:55 -
    loss: 0.3536 - acc: 0.8213
5969 359/620 [=====>.....] - ETA: 9:53 -
    loss: 0.3536 - acc: 0.8213
```

File - cnn_2D_model

```
5970 360/620 [=====>.....] - ETA: 9:50 -
    loss: 0.3540 - acc: 0.8209
5971 361/620 [=====>.....] - ETA: 9:48 -
    loss: 0.3540 - acc: 0.8210
5972 362/620 [=====>.....] - ETA: 9:46 -
    loss: 0.3538 - acc: 0.8210
5973 363/620 [=====>.....] - ETA: 9:43 -
    loss: 0.3535 - acc: 0.8212
5974 364/620 [=====>.....] - ETA: 9:41 -
    loss: 0.3534 - acc: 0.8211
5975 365/620 [=====>.....] - ETA: 9:39 -
    loss: 0.3531 - acc: 0.8212
5976 366/620 [=====>.....] - ETA: 9:37 -
    loss: 0.3530 - acc: 0.8215
5977 367/620 [=====>.....] - ETA: 9:34 -
    loss: 0.3532 - acc: 0.8213
5978 368/620 [=====>.....] - ETA: 9:32 -
    loss: 0.3535 - acc: 0.8212
5979 369/620 [=====>.....] - ETA: 9:30 -
    loss: 0.3536 - acc: 0.8211
5980 370/620 [=====>.....] - ETA: 9:28 -
    loss: 0.3531 - acc: 0.8215
5981 371/620 [=====>.....] - ETA: 9:25 -
    loss: 0.3529 - acc: 0.8217
5982 372/620 [=====>.....] - ETA: 9:23 -
    loss: 0.3526 - acc: 0.8218
5983 373/620 [=====>.....] - ETA: 9:21 -
    loss: 0.3524 - acc: 0.8219
5984 374/620 [=====>.....] - ETA: 9:19 -
    loss: 0.3524 - acc: 0.8219
5985 375/620 [=====>.....] - ETA: 9:16 -
    loss: 0.3523 - acc: 0.8217
5986 376/620 [=====>.....] - ETA: 9:14 -
    loss: 0.3522 - acc: 0.8219
5987 377/620 [=====>.....] - ETA: 9:12 -
    loss: 0.3522 - acc: 0.8217
5988 378/620 [=====>.....] - ETA: 9:10 -
    loss: 0.3522 - acc: 0.8218
5989 379/620 [=====>.....] - ETA: 9:07 -
    loss: 0.3523 - acc: 0.8218
5990 380/620 [=====>.....] - ETA: 9:04 -
    loss: 0.3524 - acc: 0.8214
5991 381/620 [=====>.....] - ETA: 9:02 -
    loss: 0.3521 - acc: 0.8215
5992 382/620 [=====>.....] - ETA: 9:00 -
```

```
5992 loss: 0.3522 - acc: 0.8213
5993 383/620 [======>.....] - ETA: 8:58 -
    loss: 0.3522 - acc: 0.8213
5994 384/620 [======>.....] - ETA: 8:55 -
    loss: 0.3527 - acc: 0.8211
5995 385/620 [======>.....] - ETA: 8:53 -
    loss: 0.3528 - acc: 0.8209
5996 386/620 [======>.....] - ETA: 8:51 -
    loss: 0.3529 - acc: 0.8208
5997 387/620 [======>.....] - ETA: 8:49 -
    loss: 0.3526 - acc: 0.8211
5998 388/620 [======>.....] - ETA: 8:47 -
    loss: 0.3523 - acc: 0.8214
5999 389/620 [======>.....] - ETA: 8:44 -
    loss: 0.3522 - acc: 0.8215
6000 390/620 [======>.....] - ETA: 8:42 -
    loss: 0.3519 - acc: 0.8218
6001 391/620 [======>.....] - ETA: 8:40 -
    loss: 0.3516 - acc: 0.8220
6002 392/620 [======>.....] - ETA: 8:38 -
    loss: 0.3514 - acc: 0.8220
6003 393/620 [======>.....] - ETA: 8:35 -
    loss: 0.3512 - acc: 0.8220
6004 394/620 [======>.....] - ETA: 8:33 -
    loss: 0.3513 - acc: 0.8219
6005 395/620 [======>.....] - ETA: 8:31 -
    loss: 0.3514 - acc: 0.8218
6006 396/620 [======>.....] - ETA: 8:29 -
    loss: 0.3513 - acc: 0.8220
6007 397/620 [======>.....] - ETA: 8:26 -
    loss: 0.3514 - acc: 0.8219
6008 398/620 [======>.....] - ETA: 8:24 -
    loss: 0.3516 - acc: 0.8216
6009 399/620 [======>.....] - ETA: 8:22 -
    loss: 0.3517 - acc: 0.8217
6010 400/620 [======>.....] - ETA: 8:19 -
    loss: 0.3517 - acc: 0.8217
6011 401/620 [======>.....] - ETA: 8:17 -
    loss: 0.3517 - acc: 0.8215
6012 402/620 [======>.....] - ETA: 8:15 -
    loss: 0.3516 - acc: 0.8215
6013 403/620 [======>.....] - ETA: 8:12 -
    loss: 0.3514 - acc: 0.8216
6014 404/620 [======>.....] - ETA: 8:10 -
    loss: 0.3512 - acc: 0.8218
```

File - cnn_2D_model

```
6015 405/620 [=====>.....] - ETA: 8:08 -
    loss: 0.3512 - acc: 0.8217
6016 406/620 [=====>.....] - ETA: 8:06 -
    loss: 0.3511 - acc: 0.8220
6017 407/620 [=====>.....] - ETA: 8:03 -
    loss: 0.3509 - acc: 0.8222
6018 408/620 [=====>.....] - ETA: 8:01 -
    loss: 0.3510 - acc: 0.8221
6019 409/620 [=====>.....] - ETA: 7:59 -
    loss: 0.3510 - acc: 0.8221
6020 410/620 [=====>.....] - ETA: 7:56 -
    loss: 0.3508 - acc: 0.8221
6021 411/620 [=====>.....] - ETA: 7:54 -
    loss: 0.3508 - acc: 0.8222
6022 412/620 [=====>.....] - ETA: 7:52 -
    loss: 0.3509 - acc: 0.8224
6023 413/620 [=====>.....] - ETA: 7:50 -
    loss: 0.3509 - acc: 0.8225
6024 414/620 [=====>.....] - ETA: 7:48 -
    loss: 0.3508 - acc: 0.8225
6025 415/620 [=====>.....] - ETA: 7:46 -
    loss: 0.3505 - acc: 0.8227
6026 416/620 [=====>.....] - ETA: 7:43 -
    loss: 0.3508 - acc: 0.8222
6027 417/620 [=====>.....] - ETA: 7:41 -
    loss: 0.3507 - acc: 0.8222
6028 418/620 [=====>.....] - ETA: 7:39 -
    loss: 0.3508 - acc: 0.8223
6029 419/620 [=====>.....] - ETA: 7:37 -
    loss: 0.3506 - acc: 0.8224
6030 420/620 [=====>.....] - ETA: 7:34 -
    loss: 0.3504 - acc: 0.8224
6031 421/620 [=====>.....] - ETA: 7:31 -
    loss: 0.3502 - acc: 0.8225
6032 422/620 [=====>.....] - ETA: 7:29 -
    loss: 0.3500 - acc: 0.8225
6033 423/620 [=====>.....] - ETA: 7:27 -
    loss: 0.3498 - acc: 0.8227
6034 424/620 [=====>.....] - ETA: 7:25 -
    loss: 0.3499 - acc: 0.8225
6035 425/620 [=====>.....] - ETA: 7:22 -
    loss: 0.3499 - acc: 0.8224
6036 426/620 [=====>.....] - ETA: 7:20 -
    loss: 0.3498 - acc: 0.8225
6037 427/620 [=====>.....] - ETA: 7:18 -
```

```
6037 loss: 0.3500 - acc: 0.8224
6038 428/620 [=====>.....] - ETA: 7:16 -
    loss: 0.3501 - acc: 0.8226
6039 429/620 [=====>.....] - ETA: 7:13 -
    loss: 0.3500 - acc: 0.8225
6040 430/620 [=====>.....] - ETA: 7:11 -
    loss: 0.3501 - acc: 0.8226
6041 431/620 [=====>.....] - ETA: 7:09 -
    loss: 0.3501 - acc: 0.8226
6042 432/620 [=====>.....] - ETA: 7:07 -
    loss: 0.3502 - acc: 0.8225
6043 433/620 [=====>.....] - ETA: 7:04 -
    loss: 0.3502 - acc: 0.8224
6044 434/620 [=====>.....] - ETA: 7:02 -
    loss: 0.3502 - acc: 0.8225
6045 435/620 [=====>.....] - ETA: 7:00 -
    loss: 0.3499 - acc: 0.8226
6046 436/620 [=====>.....] - ETA: 6:58 -
    loss: 0.3497 - acc: 0.8227
6047 437/620 [=====>.....] - ETA: 6:55 -
    loss: 0.3496 - acc: 0.8229
6048 438/620 [=====>.....] - ETA: 6:53 -
    loss: 0.3498 - acc: 0.8230
6049 439/620 [=====>.....] - ETA: 6:51 -
    loss: 0.3498 - acc: 0.8231
6050 440/620 [=====>.....] - ETA: 6:48 -
    loss: 0.3503 - acc: 0.8227
6051 441/620 [=====>.....] - ETA: 6:46 -
    loss: 0.3500 - acc: 0.8228
6052 442/620 [=====>.....] - ETA: 6:44 -
    loss: 0.3500 - acc: 0.8229
6053 443/620 [=====>.....] - ETA: 6:41 -
    loss: 0.3499 - acc: 0.8231
6054 444/620 [=====>.....] - ETA: 6:39 -
    loss: 0.3498 - acc: 0.8232
6055 445/620 [=====>.....] - ETA: 6:37 -
    loss: 0.3496 - acc: 0.8232
6056 446/620 [=====>.....] - ETA: 6:35 -
    loss: 0.3498 - acc: 0.8232
6057 447/620 [=====>.....] - ETA: 6:32 -
    loss: 0.3497 - acc: 0.8233
6058 448/620 [=====>.....] - ETA: 6:30 -
    loss: 0.3497 - acc: 0.8232
6059 449/620 [=====>.....] - ETA: 6:28 -
    loss: 0.3498 - acc: 0.8231
```

File - cnn_2D_model

```
6060 450/620 [=====>.....] - ETA: 6:26 -
    loss: 0.3497 - acc: 0.8233
6061 451/620 [=====>.....] - ETA: 6:23 -
    loss: 0.3495 - acc: 0.8234
6062 452/620 [=====>.....] - ETA: 6:21 -
    loss: 0.3494 - acc: 0.8236
6063 453/620 [=====>.....] - ETA: 6:19 -
    loss: 0.3494 - acc: 0.8235
6064 454/620 [=====>.....] - ETA: 6:17 -
    loss: 0.3493 - acc: 0.8236
6065 455/620 [=====>.....] - ETA: 6:14 -
    loss: 0.3494 - acc: 0.8236
6066 456/620 [=====>.....] - ETA: 6:12 -
    loss: 0.3492 - acc: 0.8239
6067 457/620 [=====>.....] - ETA: 6:10 -
    loss: 0.3492 - acc: 0.8240
6068 458/620 [=====>.....] - ETA: 6:08 -
    loss: 0.3494 - acc: 0.8238
6069 459/620 [=====>.....] - ETA: 6:05 -
    loss: 0.3494 - acc: 0.8237
6070 460/620 [=====>.....] - ETA: 6:03 -
    loss: 0.3494 - acc: 0.8239
6071 461/620 [=====>.....] - ETA: 6:00 -
    loss: 0.3495 - acc: 0.8238
6072 462/620 [=====>.....] - ETA: 5:58 -
    loss: 0.3492 - acc: 0.8240
6073 463/620 [=====>.....] - ETA: 5:56 -
    loss: 0.3489 - acc: 0.8243
6074 464/620 [=====>.....] - ETA: 5:54 -
    loss: 0.3490 - acc: 0.8242
6075 465/620 [=====>.....] - ETA: 5:51 -
    loss: 0.3489 - acc: 0.8244
6076 466/620 [=====>.....] - ETA: 5:49 -
    loss: 0.3487 - acc: 0.8246
6077 467/620 [=====>.....] - ETA: 5:47 -
    loss: 0.3490 - acc: 0.8246
6078 468/620 [=====>.....] - ETA: 5:45 -
    loss: 0.3488 - acc: 0.8247
6079 469/620 [=====>.....] - ETA: 5:43 -
    loss: 0.3488 - acc: 0.8246
6080 470/620 [=====>.....] - ETA: 5:40 -
    loss: 0.3486 - acc: 0.8249
6081 471/620 [=====>.....] - ETA: 5:38 -
    loss: 0.3487 - acc: 0.8249
6082 472/620 [=====>.....] - ETA: 5:36 -
```

```
6082 loss: 0.3487 - acc: 0.8248
6083 473/620 [=====>.....] - ETA: 5:34 -
    loss: 0.3487 - acc: 0.8250
6084 474/620 [=====>.....] - ETA: 5:31 -
    loss: 0.3484 - acc: 0.8251
6085 475/620 [=====>.....] - ETA: 5:29 -
    loss: 0.3483 - acc: 0.8253
6086 476/620 [=====>.....] - ETA: 5:27 -
    loss: 0.3484 - acc: 0.8253
6087 477/620 [=====>.....] - ETA: 5:25 -
    loss: 0.3485 - acc: 0.8253
6088 478/620 [=====>.....] - ETA: 5:22 -
    loss: 0.3483 - acc: 0.8254
6089 479/620 [=====>.....] - ETA: 5:20 -
    loss: 0.3485 - acc: 0.8252
6090 480/620 [=====>.....] - ETA: 5:17 -
    loss: 0.3484 - acc: 0.8253
6091 481/620 [=====>.....] - ETA: 5:15 -
    loss: 0.3483 - acc: 0.8253
6092 482/620 [=====>.....] - ETA: 5:13 -
    loss: 0.3483 - acc: 0.8253
6093 483/620 [=====>.....] - ETA: 5:11 -
    loss: 0.3479 - acc: 0.8256
6094 484/620 [=====>.....] - ETA: 5:08 -
    loss: 0.3479 - acc: 0.8257
6095 485/620 [=====>.....] - ETA: 5:06 -
    loss: 0.3479 - acc: 0.8256
6096 486/620 [=====>.....] - ETA: 5:04 -
    loss: 0.3480 - acc: 0.8256
6097 487/620 [=====>.....] - ETA: 5:02 -
    loss: 0.3481 - acc: 0.8255
6098 488/620 [=====>.....] - ETA: 4:59 -
    loss: 0.3485 - acc: 0.8251
6099 489/620 [=====>.....] - ETA: 4:57 -
    loss: 0.3484 - acc: 0.8251
6100 490/620 [=====>.....] - ETA: 4:55 -
    loss: 0.3483 - acc: 0.8251
6101 491/620 [=====>.....] - ETA: 4:53 -
    loss: 0.3482 - acc: 0.8250
6102 492/620 [=====>.....] - ETA: 4:50 -
    loss: 0.3482 - acc: 0.8249
6103 493/620 [=====>.....] - ETA: 4:48 -
    loss: 0.3481 - acc: 0.8250
6104 494/620 [=====>.....] - ETA: 4:46 -
    loss: 0.3481 - acc: 0.8248
```

File - cnn_2D_model

```
6105 495/620 [=====>.....] - ETA: 4:44 -
    loss: 0.3481 - acc: 0.8248
6106 496/620 [=====>.....] - ETA: 4:41 -
    loss: 0.3482 - acc: 0.8248
6107 497/620 [=====>.....] - ETA: 4:39 -
    loss: 0.3483 - acc: 0.8249
6108 498/620 [=====>.....] - ETA: 4:37 -
    loss: 0.3481 - acc: 0.8250
6109 499/620 [=====>.....] - ETA: 4:35 -
    loss: 0.3477 - acc: 0.8252
6110 500/620 [=====>.....] - ETA: 4:32 -
    loss: 0.3479 - acc: 0.8253
6111 501/620 [=====>.....] - ETA: 4:30 -
    loss: 0.3479 - acc: 0.8252
6112 502/620 [=====>.....] - ETA: 4:27 -
    loss: 0.3478 - acc: 0.8253
6113 503/620 [=====>.....] - ETA: 4:25 -
    loss: 0.3479 - acc: 0.8251
6114 504/620 [=====>.....] - ETA: 4:23 -
    loss: 0.3480 - acc: 0.8250
6115 505/620 [=====>.....] - ETA: 4:21 -
    loss: 0.3481 - acc: 0.8251
6116 506/620 [=====>.....] - ETA: 4:18 -
    loss: 0.3481 - acc: 0.8251
6117 507/620 [=====>.....] - ETA: 4:16 -
    loss: 0.3481 - acc: 0.8251
6118 508/620 [=====>.....] - ETA: 4:14 -
    loss: 0.3481 - acc: 0.8250
6119 509/620 [=====>.....] - ETA: 4:12 -
    loss: 0.3484 - acc: 0.8249
6120 510/620 [=====>.....] - ETA: 4:09 -
    loss: 0.3483 - acc: 0.8251
6121 511/620 [=====>.....] - ETA: 4:07 -
    loss: 0.3485 - acc: 0.8248
6122 512/620 [=====>.....] - ETA: 4:05 -
    loss: 0.3485 - acc: 0.8248
6123 513/620 [=====>.....] - ETA: 4:03 -
    loss: 0.3483 - acc: 0.8249
6124 514/620 [=====>.....] - ETA: 4:00 -
    loss: 0.3483 - acc: 0.8249
6125 515/620 [=====>.....] - ETA: 3:58 -
    loss: 0.3481 - acc: 0.8252
6126 516/620 [=====>.....] - ETA: 3:56 -
    loss: 0.3481 - acc: 0.8250
6127 517/620 [=====>.....] - ETA: 3:53 -
```

```
6127 loss: 0.3480 - acc: 0.8252
6128 518/620 [=====>.....] - ETA: 3:51 -
    loss: 0.3476 - acc: 0.8254
6129 519/620 [=====>.....] - ETA: 3:49 -
    loss: 0.3475 - acc: 0.8255
6130 520/620 [=====>.....] - ETA: 3:47 -
    loss: 0.3475 - acc: 0.8257
6131 521/620 [=====>.....] - ETA: 3:44 -
    loss: 0.3473 - acc: 0.8259
6132 522/620 [=====>.....] - ETA: 3:42 -
    loss: 0.3471 - acc: 0.8261
6133 523/620 [=====>.....] - ETA: 3:40 -
    loss: 0.3474 - acc: 0.8259
6134 524/620 [=====>.....] - ETA: 3:38 -
    loss: 0.3472 - acc: 0.8260
6135 525/620 [=====>.....] - ETA: 3:35 -
    loss: 0.3471 - acc: 0.8260
6136 526/620 [=====>.....] - ETA: 3:33 -
    loss: 0.3470 - acc: 0.8261
6137 527/620 [=====>.....] - ETA: 3:31 -
    loss: 0.3468 - acc: 0.8263
6138 528/620 [=====>.....] - ETA: 3:28 -
    loss: 0.3468 - acc: 0.8264
6139 529/620 [=====>.....] - ETA: 3:26 -
    loss: 0.3469 - acc: 0.8264
6140 530/620 [=====>.....] - ETA: 3:24 -
    loss: 0.3468 - acc: 0.8265
6141 531/620 [=====>.....] - ETA: 3:22 -
    loss: 0.3468 - acc: 0.8264
6142 532/620 [=====>.....] - ETA: 3:19 -
    loss: 0.3469 - acc: 0.8264
6143 533/620 [=====>.....] - ETA: 3:17 -
    loss: 0.3468 - acc: 0.8264
6144 534/620 [=====>.....] - ETA: 3:15 -
    loss: 0.3469 - acc: 0.8263
6145 535/620 [=====>.....] - ETA: 3:13 -
    loss: 0.3470 - acc: 0.8261
6146 536/620 [=====>.....] - ETA: 3:10 -
    loss: 0.3472 - acc: 0.8261
6147 537/620 [=====>.....] - ETA: 3:08 -
    loss: 0.3472 - acc: 0.8261
6148 538/620 [=====>....] - ETA: 3:06 -
    loss: 0.3470 - acc: 0.8261
6149 539/620 [=====>....] - ETA: 3:04 -
    loss: 0.3470 - acc: 0.8261
```

File - cnn_2D_model

```
6150 540/620 [=====>....] - ETA: 3:01 -
    loss: 0.3468 - acc: 0.8263
6151 541/620 [=====>....] - ETA: 2:59 -
    loss: 0.3469 - acc: 0.8264
6152 542/620 [=====>....] - ETA: 2:57 -
    loss: 0.3467 - acc: 0.8265
6153 543/620 [=====>....] - ETA: 2:54 -
    loss: 0.3465 - acc: 0.8266
6154 544/620 [=====>....] - ETA: 2:52 -
    loss: 0.3468 - acc: 0.8265
6155 545/620 [=====>....] - ETA: 2:50 -
    loss: 0.3470 - acc: 0.8264
6156 546/620 [=====>....] - ETA: 2:48 -
    loss: 0.3468 - acc: 0.8266
6157 547/620 [=====>....] - ETA: 2:45 -
    loss: 0.3470 - acc: 0.8265
6158 548/620 [=====>....] - ETA: 2:43 -
    loss: 0.3473 - acc: 0.8262
6159 549/620 [=====>....] - ETA: 2:41 -
    loss: 0.3472 - acc: 0.8261
6160 550/620 [=====>....] - ETA: 2:39 -
    loss: 0.3472 - acc: 0.8261
6161 551/620 [=====>....] - ETA: 2:36 -
    loss: 0.3473 - acc: 0.8260
6162 552/620 [=====>....] - ETA: 2:34 -
    loss: 0.3472 - acc: 0.8260
6163 553/620 [=====>....] - ETA: 2:32 -
    loss: 0.3471 - acc: 0.8261
6164 554/620 [=====>....] - ETA: 2:29 -
    loss: 0.3470 - acc: 0.8262
6165 555/620 [=====>....] - ETA: 2:27 -
    loss: 0.3469 - acc: 0.8263
6166 556/620 [=====>....] - ETA: 2:25 -
    loss: 0.3468 - acc: 0.8263
6167 557/620 [=====>....] - ETA: 2:23 -
    loss: 0.3469 - acc: 0.8262
6168 558/620 [=====>...] - ETA: 2:20 -
    loss: 0.3467 - acc: 0.8263
6169 559/620 [=====>...] - ETA: 2:18 -
    loss: 0.3464 - acc: 0.8264
6170 560/620 [=====>...] - ETA: 2:16 -
    loss: 0.3463 - acc: 0.8266
6171 561/620 [=====>...] - ETA: 2:13 -
    loss: 0.3463 - acc: 0.8264
6172 562/620 [=====>...] - ETA: 2:11 -
```

```
6172 loss: 0.3463 - acc: 0.8263
6173 563/620 [=====>...] - ETA: 2:09 -
    loss: 0.3463 - acc: 0.8264
6174 564/620 [=====>...] - ETA: 2:07 -
    loss: 0.3464 - acc: 0.8263
6175 565/620 [=====>...] - ETA: 2:04 -
    loss: 0.3465 - acc: 0.8263
6176 566/620 [=====>...] - ETA: 2:02 -
    loss: 0.3463 - acc: 0.8265
6177 567/620 [=====>...] - ETA: 2:00 -
    loss: 0.3460 - acc: 0.8267
6178 568/620 [=====>...] - ETA: 1:58 -
    loss: 0.3457 - acc: 0.8269
6179 569/620 [=====>...] - ETA: 1:55 -
    loss: 0.3458 - acc: 0.8269
6180 570/620 [=====>...] - ETA: 1:53 -
    loss: 0.3458 - acc: 0.8268
6181 571/620 [=====>...] - ETA: 1:51 -
    loss: 0.3457 - acc: 0.8267
6182 572/620 [=====>...] - ETA: 1:49 -
    loss: 0.3455 - acc: 0.8268
6183 573/620 [=====>...] - ETA: 1:46 -
    loss: 0.3455 - acc: 0.8269
6184 574/620 [=====>...] - ETA: 1:44 -
    loss: 0.3454 - acc: 0.8270
6185 575/620 [=====>...] - ETA: 1:42 -
    loss: 0.3452 - acc: 0.8271
6186 576/620 [=====>...] - ETA: 1:40 -
    loss: 0.3452 - acc: 0.8272
6187 577/620 [=====>...] - ETA: 1:37 -
    loss: 0.3452 - acc: 0.8271
6188 578/620 [=====>...] - ETA: 1:35 -
    loss: 0.3451 - acc: 0.8271
6189 579/620 [=====>...] - ETA: 1:33 -
    loss: 0.3452 - acc: 0.8271
6190 580/620 [=====>...] - ETA: 1:30 -
    loss: 0.3451 - acc: 0.8271
6191 581/620 [=====>...] - ETA: 1:28 -
    loss: 0.3451 - acc: 0.8270
6192 582/620 [=====>...] - ETA: 1:26 -
    loss: 0.3450 - acc: 0.8270
6193 583/620 [=====>...] - ETA: 1:24 -
    loss: 0.3450 - acc: 0.8270
6194 584/620 [=====>...] - ETA: 1:21 -
    loss: 0.3453 - acc: 0.8269
```

File - cnn_2D_model

```
6195 585/620 [=====>..] - ETA: 1:19 -
    loss: 0.3452 - acc: 0.8269
6196 586/620 [=====>..] - ETA: 1:17 -
    loss: 0.3453 - acc: 0.8268
6197 587/620 [=====>..] - ETA: 1:14 -
    loss: 0.3453 - acc: 0.8268
6198 588/620 [=====>..] - ETA: 1:12 -
    loss: 0.3452 - acc: 0.8268
6199 589/620 [=====>..] - ETA: 1:10 -
    loss: 0.3452 - acc: 0.8269
6200 590/620 [=====>..] - ETA: 1:08 -
    loss: 0.3451 - acc: 0.8270
6201 591/620 [=====>..] - ETA: 1:05 -
    loss: 0.3451 - acc: 0.8270
6202 592/620 [=====>..] - ETA: 1:03 -
    loss: 0.3451 - acc: 0.8271
6203 593/620 [=====>..] - ETA: 1:01 -
    loss: 0.3451 - acc: 0.8271
6204 594/620 [=====>..] - ETA: 59s -
    loss: 0.3449 - acc: 0.8273
6205 595/620 [=====>..] - ETA: 56s -
    loss: 0.3447 - acc: 0.8274
6206 596/620 [=====>..] - ETA: 54s -
    loss: 0.3448 - acc: 0.8274
6207 597/620 [=====>..] - ETA: 52s -
    loss: 0.3446 - acc: 0.8277
6208 598/620 [=====>..] - ETA: 49s -
    loss: 0.3448 - acc: 0.8274
6209 599/620 [=====>..] - ETA: 47s -
    loss: 0.3447 - acc: 0.8275
6210 600/620 [=====>..] - ETA: 45s -
    loss: 0.3444 - acc: 0.8277
6211 601/620 [=====>..] - ETA: 43s -
    loss: 0.3443 - acc: 0.8278
6212 602/620 [=====>..] - ETA: 40s -
    loss: 0.3441 - acc: 0.8280
6213 603/620 [=====>..] - ETA: 38s -
    loss: 0.3440 - acc: 0.8281
6214 604/620 [=====>..] - ETA: 36s -
    loss: 0.3438 - acc: 0.8282
6215 605/620 [=====>..] - ETA: 34s -
    loss: 0.3438 - acc: 0.8281
6216 606/620 [=====>..] - ETA: 31s -
    loss: 0.3438 - acc: 0.8279
6217 607/620 [=====>..] - ETA: 29s -
```

File - cnn_2D_model

```
6217 loss: 0.3438 - acc: 0.8280
6218 608/620 [=====>.] - ETA: 27s -
    loss: 0.3436 - acc: 0.8281
6219 609/620 [=====>.] - ETA: 24s -
    loss: 0.3437 - acc: 0.8280
6220 610/620 [=====>.] - ETA: 22s -
    loss: 0.3434 - acc: 0.8281
6221 611/620 [=====>.] - ETA: 20s -
    loss: 0.3434 - acc: 0.8281
6222 612/620 [=====>.] - ETA: 18s -
    loss: 0.3433 - acc: 0.8282
6223 613/620 [=====>.] - ETA: 15s -
    loss: 0.3433 - acc: 0.8283
6224 614/620 [=====>.] - ETA: 13s -
    loss: 0.3432 - acc: 0.8283
6225 615/620 [=====>.] - ETA: 11s -
    loss: 0.3431 - acc: 0.8283
6226 616/620 [=====>.] - ETA: 9s -
    loss: 0.3431 - acc: 0.8283
6227 617/620 [=====>.] - ETA: 6s -
    loss: 0.3431 - acc: 0.8283
6228 618/620 [=====>.] - ETA: 4s -
    loss: 0.3434 - acc: 0.8282
6229 619/620 [=====>.] - ETA: 2s -
    loss: 0.3435 - acc: 0.8282
6230 620/620 [=====] - 1450s 2s/step
    - loss: 0.3436 - acc: 0.8282 - val_loss: 0.9054 -
    val_acc: 0.8103
6231
6232 Process finished with exit code 0
6233
```