4th April Update

1. Decoder.up4.convA

The inference run was split in the following following fashion:
1) image [0:1] - (1 image) - google colab - (runtime = 6hrs 4 min)

```
time_taken for in 61 / 64 in batch 0 = 342.75751781463623
time_taken for in 62 / 64 in batch 0 = 335.5744972229004
time_taken for in 63 / 64 in batch 0 = 343.7560861110687
100% 1/1 [6:04:43<00:00, 21883.13s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.3329,     0.7027,     0.9308,     0.4316,     0.5070,     0.1467

Test time 21883.132483005524 s
```

2) image [1:2] - (1 image) - google colab - (runtime = 5hrs 31 min)

```
time_taken for in 61 / 64 in batch 0 = 306.6022002696991
time_taken for in 62 / 64 in batch 0 = 308.12308287620544
time_taken for in 63 / 64 in batch 0 = 307.6133608818054
100% 1/1 [5:31:08<00:00, 19868.73s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.6239,     0.7984,     0.9819,     0.2117,     0.6160,     0.1007

Test time 19868.735283851624 s
```

3) image [2:5] - (3 images) - local machine - (runtime = 13hrs 4 min)

```
time_taken for in 60 / 64 in batch 2 = 240.96404814720154
time_taken for in 61 / 64 in batch 2 = 241.2472903728485
time_taken for in 62 / 64 in batch 2 = 240.89574027061462
time_taken for in 63 / 64 in batch 2 = 240.72713923454285
100%|                                                  | 1/1 [13:04:02<00:00, 47042.07s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.7006,     0.8628,     0.9044,     0.2044,     0.6342,     0.0971

Test time 47042.07030296326 s
```

The weighted mean of the error metrics was taken to obtain the resulting error metric values over 5 images:

a1	a2	a3	rel	rms	log10
0.6117	0.8179	0.9252	0.2513	0.6051	0.1077

2. **Decoder.up4.convB**

The inference run was given in following split up:
1) image [0:1] - (1 image) - google colab - (runtime = 3hrs 54min)

```
time_taken for in 61 / 64 in batch 0 = 217.25027756118774
time_taken for in 62 / 64 in batch 0 = 216.95264554023743
time_taken for in 63 / 64 in batch 0 = 217.13571906089783
100% 1/1 [3:54:11<00:00, 14051.38s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.3334,     0.6782,     0.9146,     0.4458,     0.5289,     0.1500

Test time 14051.377998113632 s
```

2) image [1:2] - (1 image) - google colab - (runtime = 3hrs 52min)

```
time_taken for in 60 / 64 in batch 0 = 217.75246906280518
time_taken for in 61 / 64 in batch 0 = 218.0692377090454
time_taken for in 62 / 64 in batch 0 = 217.48715448379517
time_taken for in 63 / 64 in batch 0 = 217.95749735832214
100% 1/1 [3:52:50<00:00, 13970.81s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.6079,     0.7667,     0.9608,     0.2216,     0.6429,     0.1056

Test time 13970.818245649338 s
```

3) image [2:5] - (3 images) - local runtime - (runtime = 9hrs 13min)

```
time_taken for in 60 / 64 in batch 2 = 169.7123465538025
time_taken for in 61 / 64 in batch 2 = 173.01950359344482
time_taken for in 62 / 64 in batch 2 = 173.55619287490845
time_taken for in 63 / 64 in batch 2 = 168.97353219985962
100%|                                                  | 1/1 [9:13:24<00:00, 33204.11s/it]
        a1,         a2,         a3,        rel,        rms,     log_10
    0.6712,     0.8515,     0.9024,     0.2189,     0.6603,     0.1028

Test time 33204.10994505882 s
```

The weighted mean of the above 3 runs is taken to obtain the error metric over 5 images:

a1	a2	a3	rel	rms	log10
0.5909	0.8304	0.9165	0.2648	0.6305	0.1128