```
25 pid memory used = 9.67 Gbytes
26 Initializing models
27 num_hidden : [128, 64, 64, 64]
28 2019-09-08 14:15:15.395846: I tensorflow/core/platform/
   cpu_feature_guard.cc:141] Your CPU supports instructions that
   this TensorFlow binary was not compiled to use: AVX2 FMA
29 2019-09-08 14:15:15.860743: I tensorflow/core/common_runtime/gpu/
                              Page 1 of 130
```

- 29 gpu_device.cc:1432] Found device 0 with properties:
- 30 name: GeForce GTX 1080 Ti major: 6 minor: 1 memoryClockRate(GHz
): 1.582
- 31 pci BusID: 0000:02:00.0
- 32 total Memory: 10.92GiB freeMemory: 10.76GiB
- 33 2019-09-08 14:15:15.860839: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1511] Adding visible gpu devices: 0
- 34 2019-09-08 14:15:18.105313: I tensorflow/core/common_runtime/gpu/gpu_device.cc:982] Device interconnect StreamExecutor with strength 1 edge matrix:
- 35 2019-09-08 14:15:18.107772: I tensorflow/core/common_runtime/gpu/gpu_device.cc:988] 0
- 36 2019-09-08 14:15:18.108472: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1001] 0: N
- 37 2019-09-08 14:15:18.109587: I tensorflow/core/common_runtime/gpu/gpu_device.cc:1115] Created TensorFlow device (/job:localhost/replica:0/task:0/device:GPU:0 with 10409 MB memory) -> physical GPU (device: 0, name: GeForce GTX 1080 Ti, pci bus id: 0000:02:00 .0, compute capability: 6.1)
- 38 ckpt.model_checkpoint_path checkpoints/typhoon_predrnn_pp/model.ckpt-33000
- 39 global_step restore from checkpoint 33000
- 40 2019-09-08 14:16:33.795244: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 1.55GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 41 2019-09-08 14:16:33.808155: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 1.53GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 42 2019-09-08 14:16:33.818326: W tensorflow/core/common_runtime/ bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.06GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.

- 43 2019-09-08 14:16:33.832705: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.04GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 44 2019-09-08 14:16:33.851678: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 3.61GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 45 2019-09-08 14:16:33.876961: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 3.57GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 46 2019-09-08 14:16:33.921692: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 3.07GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 47 2019-09-08 14:16:33.940254: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 3.05GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 48 2019-09-08 14:16:34.104815: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.05GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 49 2019-09-08 14:16:34.117230: W tensorflow/core/common_runtime/bfc_allocator.cc:211] Allocator (GPU_0_bfc) ran out of memory trying to allocate 2.04GiB. The caller indicates that this is not a failure, but may mean that there could be performance gains if more memory were available.
- 50 itr: 33100
- 51 training loss: 5761.079

```
File - interval_pred6_goontrain_result00
52 test...
53 mse per seq: 713.303533857519
54 100. 23634724183516
55 104. 45796446366744
56 115. 98170505870472
57 132. 62432514537466
58 128.00633933327416
59 131. 99685261466286
60 psnr per frame: 31.64112
61 32. 35076
62 32.168404
63 31. 725586
64 31. 161943
65 31.345892
66 31.094141
67 fmae per frame: 3109.004
68 2778.5671
69 2892.2559
70 3079. 1812
71 3328.07
72 3262.5193
73 3313.4287
74 ssim per frame: 0.8498488
75 0.856306
76 0.8604376
77 0.8413754
78 0.83221745
79 0.85185856
80 0.85689795
81 sharpness per frame: 24.636362
82 23.977272
83 24.068182
84 26. 204546
85 26. 306818
86 23. 454546
87 23.806818
88 saved to checkpoints/typhoon_predrnn_
```

```
File - interval_pred6_goontrain_result00
 89 itr: 33200
 90 training loss: 5625.7275
 91 test...
 92 mse per seg: 706.9224877140739
 93 99. 58288751948963
 94 103. 46283903988925
 95 115.05482292175293
 96 131. 36583948135376
 97 126. 75584379109469
 98 130. 7002549604936
 99 psnr per frame: 31.648108
100 32. 321297
101 32. 161053
102 31.7161
103 31. 180164
104 31. 383024
105 31. 126997
106 fmae per frame: 3068.986
107 2747.0342
108 2853. 2686
109 3043.415
110 3285.635
111 3217.6165
112 3266. 9478
113 ssim per frame: 0.8500462
114 0.85643333
115 0.8606203
116 0.8415337
117 0.8324686
118 0.85206753
119 0.85715383
120 sharpness per frame: 23.602272
121 23. 431818
122 23.863636
123 25.65909
124 25.045454
125 21. 943182
```

```
File - interval_pred6_goontrain_result00
126 21.670454
127 saved to checkpoints/typhoon_predrnn_pp
128 itr: 33300
129 training loss: 5106.31
130 test...
131 mse per seq: 700.4244162819602
132 98.8530362736095
133 102.60169449719515
134 113. 9397157755765
135 130. 1357174353166
136 125.84571075439453
137 129. 04854154586792
138 psnr per frame: 31.717163
139 32. 37689
140 32. 221775
141 31. 783314
142 31. 245155
143 31. 457201
144 31. 218636
145 fmae per frame: 3060.633
146 2743.913
147 2850. 2988
148 3038. 7893
149 3275.3962
150 3205.735
151 3249.6658
152 ssim per frame: 0.8501966
153 0.8565363
154 0.86071527
155 0.8416914
156 0.83263284
157 0.85220313
158 0.8574007
159 sharpness per frame: 23.202652
160 22.806818
161 22.65909
162 24.53409
```

```
File - interval_pred6_goontrain_result00
163 25. 045454
164 22. 113636
165 22.056818
166 saved to checkpoints/typhoon_predrnn_pp
167 itr: 33400
168 training loss: 5506.1074
169 test...
170 mse per seq: 697.088367245414
171 98. 75650635632601
172 102. 26660255952315
173 113. 45615430311723
174 129. 34763123772362
175 125. 14415489543568
176 128. 11731789328834
177 psnr per frame: 31.762552
178 32.417076
179 32. 26559
180 31.831846
181 31. 290499
182 31. 499315
183 31. 270996
184 fmae per frame: 3070.3894
185 2760. 1838
186 2862.143
187 3048. 9814
188 3281.6616
189 3214.889
190 3254.4756
191 ssim per frame: 0.85029095
192 0.8565609
193 0.8608145
194 0.8417761
195 0.8327561
196 0.8523224
197 0.8575159
198 sharpness per frame: 23.689392
199 23.625
```

```
File - interval_pred6_goontrain_result00
200 23.306818
201 25. 15909
202 25.079546
203 22. 454546
204 22.511364
205 saved to checkpoints/typhoon_predrnn_
206 itr: 33500
207 training loss: 4912.3584
208 test...
209 mse per seq: 698.1312422535636
210 98. 77657560868697
211 102. 16806875575672
212 113.5510367046703
213 129.61392658407038
214 125. 52463407949968
215 128. 49700052087957
216 psnr per frame: 31.713686
217 32. 349167
218 32. 21031
219 31.767859
220 31. 241816
221 31.472136
222 31. 240826
223 fmae per frame: 3041.721
224 2732.907
225 2832.061
226 3019.5117
227 3252. 4841
228 3185.017
229 3228.346
230 ssim per frame: 0.85030526
231 0.85657716
232 0.86082155
233 0.8418011
234 0.8328159
235 0.85230255
236 0.8575136
```

```
File - interval_pred6_goontrain_result00
237 sharpness per frame: 23.304926
238 23. 261364
239 22.681818
240 24.693182
241 24.25
242 22. 420454
243 22. 522728
244 itr: 33600
245 training loss: 4294.5854
246 test...
247 mse per seq: 694.1304366588593
248 98. 35400468652898
249 101. 98458381132646
250 112.8659118305553
251 128. 73524496772072
252 124. 76974008300088
253 127. 42095127972689
254 psnr per frame: 31.794447
255 32.43758
256 32. 28511
257 31.858812
258 31. 32569
259 31.547052
260 31. 312445
261 fmae per frame: 3065.4705
262 2757.7458
263 2860.6934
264 3041. 5256
265 3276.805
266 3207.7002
267 3248. 3525
268 ssim per frame: 0.8503584
269 0.85661435
270 0.86086273
271 0.8418529
272 0.8328359
273 0.8523705
```

```
File - interval_pred6_goontrain_result00
274 0.8576139
275 sharpness per frame: 23.513258
276 23. 568182
277 22. 988636
278 24.90909
279 24.818182
280 22. 386364
281 22.40909
282 saved to checkpoints/typhoon_predrnn_pp
283 itr: 33700
284 training loss: 7047.868
285 test...
286 mse per seq: 694.4680826230483
287 98. 37067534706809
288 101. 72362301566385
289 112.96346243945035
290 128.80394883589312
291 124. 92333037203008
292 127.68304261294278
293 psnr per frame: 31.73131
294 32. 354294
295 32. 217674
296 31.78279
297 31. 257116
298 31.49753
299 31. 278456
300 fmae per frame: 3031.4285
301 2724. 9526
302 2821. 4714
303 3012.6318
304 3242.8616
305 3173. 2861
306 3213.368
307 ssim per frame: 0.8503979
308 0.8566677
309 0.86092496
310 0.8418438
```

```
File - interval_pred6_goontrain_result00
311 0.83291715
312 0.8523865
313 0.8576467
314 sharpness per frame: 23.386362
315 22. 795454
316 22.670454
317 24.897728
318 24.65909
319 22.25
320 23.045454
321 itr: 33800
322 training loss: 5537.4414
323 test...
324 mse per seq: 697.800957549702
325 99. 10959087718616
326 102. 73032314127141
327 113.63561110063033
328 129. 14482259750366
329 125.7124233679338
330 127. 46818646517667
331 psnr per frame: 31.814575
332 32.45577
333 32.301445
334 31.879015
335 31. 350578
336 31.553358
337 31. 347298
338 fmae per frame: 3104.9922
339 2801.7712
340 2904.67
341 3083.424
342 3311.9763
343 3247. 1853
344 3280.925
345 ssim per frame: 0.85045403
346 0.8567337
347 0.8609647
```

```
File - interval_pred6_goontrain_result00
348 0.8419273
349 0.8329518
350 0.85243034
351 0.8577163
352 sharpness per frame: 22.903406
353 22.556818
354 22.602272
355 24.829546
356 23.829546
357 21.681818
358 21.920454
359 itr: 33900
360 training loss: 5995.21
361 test...
362 mse per seq: 691.4099949923428
363 98. 03137909282337
364 101. 34994125366211
365 112. 47451344403353
366 128. 15648499402133
367 124. 5250511819666
368 126.8726250258359
369 psnr per frame: 31.768454
370 32. 384274
371 32. 249924
372 31.813047
373 31. 293154
374 31.536144
375 31.334166
376 fmae per frame: 3029.01
377 2725. 3625
378 2822.238
379 3008.6797
380 3238.7188
381 3171.725
382 3207. 3367
383 ssim per frame: 0.85043716
384 0.8566824
```

```
File - interval_pred6_goontrain_result00
385 0.86095196
386 0.84191966
387 0.83297324
388 0.8524124
389 0.857683
390 sharpness per frame: 23.350378
391 23. 102272
392 22.90909
393 25.079546
394 24.25
395 22.045454
396 22.71591
397 saved to checkpoints/typhoon_predrnn
398 itr: 34000
399 training loss: 5607.8354
400 test...
401 mse per seq: 690.7952548373829
402 98. 06563780524515
403 101.51144292137839
404 112. 4117977402427
405 127.8813155781139
406 124. 4110163341869
407 126. 51404445821589
408 psnr per frame: 31.834665
409 32. 465923
410 32. 32162
411 31.893959
412 31.368677
413 31.588478
414 31. 369318
415 fmae per frame: 3057.9656
416 2755. 1904
417 2855. 4727
418 3035.7263
419 3264. 1587
420 3198.7432
421 3238.5007
```

```
File - interval_pred6_goontrain_result00
422 ssim per frame: 0.8505223
423 0.85678256
424 0.8610187
425 0.8420652
426 0.83303815
427 0.85246205
428 0.85776716
429 sharpness per frame: 22.886362
430 22. 295454
431 22.068182
432 23. 15909
433 24.511364
434 22.727272
435 22. 556818
436 saved to checkpoints/typhoon_predrnn_pp
437 itr: 34100
438 training loss: 6619.358
439 test...
440 mse per seq: 689.0397760434585
441 97.83900785446167
442 101. 13868526978926
443 112.08100305904041
444 127.63670752265237
445 124. 17654126340693
446 126. 16783107410778
447 psnr per frame: 31.83146
448 32.45136
449 32.31566
450 31.887978
451 31. 362316
452 31.58957
453 31. 38189
454 fmae per frame: 3046.6365
455 2740.9905
456 2840.6062
457 3026. 1545
458 3254.6287
```

```
File - interval_pred6_goontrain_result00
459 3189.6619
460 3227.7756
461 ssim per frame: 0.8504653
462 0.8566713
463 0.860953
464 0.84198725
465 0.8329878
466 0.8524325
467 0.8577602
468 sharpness per frame: 23.244318
469 23.03409
470 22.53409
471 24. 147728
472 24.897728
473 22. 40909
474 22. 443182
475 saved to checkpoints/typhoon_predrnn_pp
476 itr: 34200
477 training loss: 4911.948
478 test...
479 mse per seq: 689.3153590072285
480 97.82755357568914
481 101. 09505484320901
482 112. 10199815576726
483 127.81462500312112
484 124. 08743474700235
485 126. 38869268243963
486 psnr per frame: 31.778082
487 32. 386066
488 32. 257404
489 31.828209
490 31. 306396
491 31. 551891
492 31. 338512
493 fmae per frame: 3023.0823
494 2719.928
495 2816. 3264
```

```
File - interval_pred6_goontrain_result00
496 3003.7869
497 3232. 9023
498 3163.782
499 3201.768
500 ssim per frame: 0.85051507
501 0.85674995
502 0.8610216
503 0.84202933
504 0.8330267
505 0.8524717
506 0.8577907
507 sharpness per frame: 22.785986
508 22. 329546
509 21.579546
510 23.772728
511 24.53409
512 22. 181818
513 22. 318182
514 itr: 34300
515 training loss: 5256.39
516 test...
517 mse per seq: 688.6735835075378
518 97. 68854162909768
519 101.05389608036388
520 112.07910164919767
521 127. 62127715891057
522 124. 16180268200961
523 126.06896430795842
524 psnr per frame: 31.838953
525 32.46614
526 32. 323093
527 31.889898
528 31.366
529 31.594233
530 31.39435
531 fmae per frame: 3045.2078
532 2741. 3252
```

```
File - interval_pred6_goontrain_result00
533 2839.4004
534 3025.1196
535 3254. 2024
536 3188. 4612
537 3222.7366
538 ssim per frame: 0.85050136
539 0.85673064
540 0.86099905
541 0.8420077
542 0.8329949
543 0.85246795
544 0.8578083
545 sharpness per frame: 23.037878
546 22. 568182
547 21.693182
548 23.636364
549 24.806818
550 22.65909
551 22.863636
552 saved to checkpoints/typhoon_predrnn_pp
553 itr: 34400
554 training loss: 829.27844
555 test...
556 mse per seq: 686.4347567341545
557 97. 40703183954412
558 100. 73293235085227
559 111.86343344775113
560 127. 29084686799483
561 123. 4754944931377
562 125.66501773487438
563 psnr per frame: 31.829407
564 32.45179
565 32.31339
566 31.87915
567 31. 357832
568 31.593
569 31. 381264
```

```
File - interval_pred6_goontrain_result00
570 fmae per frame: 3027.3154
571 2723.5583
572 2822.0928
573 3011.994
574 3236.4495
575 3165.4172
576 3204.381
577 ssim per frame: 0.8506027
578 0.8568466
579 0.86109775
580 0.8420683
581 0.83313006
582 0.8525784
583 0.8578947
584 sharpness per frame: 23.00379
585 22. 28409
586 21.96591
587 23.704546
588 24.852272
589 22.488636
590 22.727272
591 saved to checkpoints/typhoon_predrnn_pp
592 itr: 34500
593 training loss: 5222.2725
594 test...
595 mse per seq: 687.3887875296853
596 97. 57330400293523
597 100. 91222728382458
598 112.01437841762196
599 127. 42780368978327
600 123. 77819620479237
601 125.68287793072787
602 psnr per frame: 31.84801
603 32. 482662
604 32.34062
605 31.905682
606 31.380688
```

```
File - interval_pred6_goontrain_result00
607 31.600523
608 31.377886
609 fmae per frame: 3049.8752
610 2747.7532
611 2846.6877
612 3029.6506
613 3256. 3572
614 3190.406
615 3228.396
616 ssim per frame: 0.8505891
617 0.85683864
618 0.8611052
619 0.84205306
620 0.8330917
621 0.8525692
622 0.8578767
623 sharpness per frame: 22.592804
624 22. 21591
625 21.90909
626 24.09091
627 23.852272
628 21.670454
629 21.818182
630 itr: 34600
631 training loss: 817.5494
632 test...
633 mse per seq: 685.9983305064114
634 97. 5384279164401
635 100.69927232915705
636 111.71717058528553
637 127. 08020622080022
638 123. 52671850811352
639 125. 43653494661504
640 psnr per frame: 31.858154
641 32.477783
642 32. 343727
643 31. 911266
```

```
File - interval_pred6_goontrain_result00
644 31. 387632
645 31.615944
646 31.412565
647 fmae per frame: 3038.9033
648 2740. 2327
649 2835.8828
650 3021.6704
651 3245.277
652 3177.208
653 3213. 1501
654 ssim per frame: 0.85056704
655 0.85677487
656 0.8610653
657 0.84206617
658 0.83309275
659 0.8525276
660 0.8578751
661 sharpness per frame: 23.321968
662 22. 920454
663 22.795454
664 24. 318182
665 24.75
666 22. 329546
667 22.818182
668 saved to checkpoints/typhoon_predrnn_pp
669 itr: 34700
670 training loss: 5051.8647
671 test...
672 mse per seq: 693.1735838976773
673 98. 20130378549749
674 101. 52972637523304
675 112.68417458100753
676 128. 62899671901357
677 124. 92275723544034
678 127. 20662520148538
679 psnr per frame: 31.718697
680 32.325684
```

```
File - interval_pred6_goontrain_result00
681 32. 196156
682 31.76842
683 31. 241987
684 31. 49151
685 31.28842
686 fmae per frame: 3023.744
687 2718.4736
688 2814. 2983
689 3004.0305
690 3237.6956
691 3166. 243
692 3201.722
693 ssim per frame: 0.85048276
694 0.85677457
695 0.86103404
696 0.8419888
697 0.8329851
698 0.8523869
699 0.8577276
700 sharpness per frame: 23.21212
701 22.863636
702 22.09091
703 24. 181818
704 24.647728
705 22.477272
706 23.011364
707 itr: 34800
708 training loss: 5255.6685
709 test...
710 mse per seq: 685.3012594743209
711 97. 29670858383179
712 100.6148383400657
713 111. 55801591006193
714 127. 09509541771628
715 123. 3932035186074
716 125. 34339770403776
717 psnr per frame: 31.847776
```

```
File - interval_pred6_goontrain_result00
718 32.46462
719 32. 324875
720 31.893812
721 31. 36892
722 31.617542
723 31.416899
724 fmae per frame: 3027.586
725 2727.6655
726 2824. 2563
727 3009.483
728 3235. 2493
729 3167.238
730 3201.6243
731 ssim per frame: 0.8505686
732 0.8568096
733 0.86105084
734 0.84211314
735 0.8330774
736 0.8525068
737 0.85785395
738 sharpness per frame: 23.410986
739 23. 136364
740 22.647728
741 24.647728
742 24.852272
743 22.397728
744 22. 78409
745 saved to checkpoints/typhoon_predrnn_pp
746 itr: 34900
747 training loss: 4884.3647
748 test...
749 mse per seq: 686.7571982036937
750 97. 34806901758367
751 100. 72142319245772
752 111. 70790867371993
753 127. 39140532233499
754 124. 03840387951244
```

```
File - interval_pred6_goontrain_result00
755 125. 549988118085
756 psnr per frame: 31.85496
757 32. 472588
758 32. 33479
759 31.899683
760 31.37115
761 31.615517
762 31. 436043
763 fmae per frame: 3033.7722
764 2730.5737
765 2830. 4749
766 3014. 2866
767 3242. 5432
768 3176.6914
769 3208.0632
770 ssim per frame: 0.850575
771 0.85682833
772 0.86107546
773 0.84213215
774 0.8330723
775 0.8524633
776 0.85787815
777 sharpness per frame: 23.318182
778 22.681818
779 22. 522728
780 24.25
781 24. 704546
782 22.727272
783 23.022728
784 itr: 35000
785 training loss: 3873.5815
786 test...
787 mse per seq: 686.3619829091159
788 97. 21236636421897
789 100.54925029928035
790 111.69419700449163
791 127. 23381081494418
```

```
File - interval_pred6_goontrain_result00
792 123. 87242516604337
793 125. 79993326013738
794 psnr per frame: 31.823418
795 32.43762
796 32. 29813
797 31.860748
798 31.340338
799 31.59506
800 31.408617
801 fmae per frame: 3018.377
802 2715.5303
803 2811. 3647
804 2999. 5945
805 3230.9546
806 3160.7273
807 3192.0916
808 ssim per frame: 0.8505578
809 0.8568228
810 0.8611002
811 0.8421118
812 0.8330529
813 0.8524322
814 0.85782695
815 sharpness per frame: 23.151514
816 22. 21591
817 22. 136364
818 24.056818
819 25.011364
820 22. 579546
821 22.90909
822 itr: 35100
823 training loss: 3597.4011
824 test...
825 mse per seq: 687.7790307781913
826 97. 72817308252507
827 101. 1057717149908
828 111. 98939973657781
```

```
File - interval_pred6_goontrain_result00
829 127. 54388085278597
830 123. 7384042523124
831 125.67340113899924
832 psnr per frame: 31.856499
833 32.493027
834 32.3456
835 31. 916576
836 31.388664
837 31.608284
838 31.38686
839 fmae per frame: 3060.1614
840 2759. 1863
841 2857. 1785
842 3035. 2014
843 3268.3044
844 3201.473
845 3239.6243
846 ssim per frame: 0.8506207
847 0.85686487
848 0.86113936
849 0.84215397
850 0.8330605
851 0.852606
852 0.8578993
853 sharpness per frame: 22.632576
854 22.5
855 21. 920454
856 23.375
857 23.704546
858 22.056818
859 22. 238636
860 itr: 35200
861 training loss: 5199.4995
862 test...
863 mse per seq: 686.6444173509425
864 97. 12390292774548
865 100.61488689075817
```

```
File - interval_pred6_goontrain_result00
866 111. 74830176613547
867 127. 39042845639315
868 123. 97982486811551
869 125. 78707244179465
870 psnr per frame: 31.858795
871 32. 48613
872 32.34044
873 31.900606
874 31. 373735
875 31.620195
876 31. 431677
877 fmae per frame: 3035.3044
878 2730.8076
879 2830.0723
880 3016. 1812
881 3246.7698
882 3178. 3132
883 3209.6833
884 ssim per frame: 0.8505936
885 0.85687447
886 0.861123
887 0.8421141
888 0.833064
889 0.85251147
890 0.85787493
891 sharpness per frame: 22.86553
892 22. 102272
893 21.90909
894 23. 988636
895 24.454546
896 22.113636
897 22.625
898 itr: 35300
899 training loss: 4133.4307
900 test...
901 mse per seq: 695.5015676671809
902 98. 80681740153919
```

```
File - interval_pred6_goontrain_result00
903 101. 94562170722268
904 113. 34047486565329
905 129.01452242244375
906 124.87046319788152
907 127. 5236680724404
908 psnr per frame: 31.66398
909 32. 2552
910 32.13589
911 31.698553
912 31. 195488
913 31. 459656
914 31. 239113
915 fmae per frame: 3021.4407
916 2723. 4944
917 2811.445
918 3003.6482
919 3232.747
920 3157.378
921 3199. 9326
922 ssim per frame: 0.85060406
923 0.85687774
924 0.86115587
925 0.842149
926 0.8330915
927 0.8525444
928 0.8578056
929 sharpness per frame: 22.488638
930 22.079546
931 21.613636
932 23.704546
933 23. 386364
934 21.886364
935 22. 261364
936 itr: 35400
937 training loss: 3569.8423
938 test...
939 mse per seq: 683.8245383609425
```

```
File - interval_pred6_goontrain_result00
940 96. 92165955630216
941 100. 28665031086315
942 111. 506628816778
943 126. 93478406559338
944 123. 1608246456493
945 125.0139909657565
946 psnr per frame: 31.848902
947 32. 471935
948 32. 329758
949 31.89134
950 31.368275
951 31.615576
952 31.416536
953 fmae per frame: 3022.7744
954 2720.305
955 2818. 1643
956 3008.7795
957 3233.7556
958 3160.5117
959 3195.1306
960 ssim per frame: 0.85064715
961 0.8569283
962 0.86118203
963 0.8421252
964 0.8331465
965 0.85256505
966 0.85793585
967 sharpness per frame: 22.744318
968 21. 931818
969 21.613636
970 23.78409
971 24. 193182
972 22.147728
973 22. 795454
974 saved to checkpoints/typhoon_predrnn_pp
975 itr: 35500
976 training loss: 5422.818
```

```
File - interval_pred6_goontrain_result00
 977 test...
 978 mse per seq: 684.3565371253273
 979 96. 91030029817061
 980 100. 33661443536931
 981 111. 41672563552856
 982 127.05933926322244
 983 123. 28050860491666
 984 125. 35304888811979
 985 psnr per frame: 31.849207
 986 32.477993
 987 32.337112
 988 31. 901789
 989 31.374727
 990 31.61347
 991 31.390148
 992 fmae per frame: 3028.5735
 993 2721.4983
 994 2822. 1423
 995 3009.0562
 996 3240.0251
 997 3169.0828
 998 3209.6353
 999 ssim per frame: 0.8506022
1000 0.85689217
1001 0.86112916
1002 0.842124
1003 0.83308274
1004 0.8525187
1005 0.8578667
1006 sharpness per frame: 23.164772
1007 22.5
1008 21.96591
1009 24.079546
1010 24.397728
1011 22.852272
1012 23. 193182
1013 itr: 35600
```

```
File - interval_pred6_goontrain_result00
1014 training loss: 5670.7393
1015 test...
1016 mse per seq: 684.9009469205683
1017 97. 20721106095748
1018 100. 35147918354382
1019 111. 51424616033381
1020 126. 99763744527644
1021 123. 56072287126021
1022 125. 26965019919656
1023 psnr per frame: 31.869085
1024 32.488277
1025 32. 35356
1026 31.908745
1027 31.382635
1028 31.635405
1029 31.445875
1030 fmae per frame: 3025.954
1031 2730.096
1032 2820.8098
1033 3007.6807
1034 3232.6453
1035 3165.6924
1036 3198.8008
1037 ssim per frame: 0.85061693
1038 0.85684586
1039 0.8611546
1040 0.84221196
1041 0.83313674
1042 0.8525043
1043 0.8578484
1044 sharpness per frame: 23.045454
1045 22.125
1046 22. 181818
1047 23.704546
1048 24. 431818
1049 22.727272
1050 23.102272
```

```
File - interval_pred6_goontrain_result00
1051 itr: 35700
1052 training loss: 5080.0703
1053 test...
1054 mse per seq: 687.6657690351659
1055 97. 25860587033358
1056 100.83873089877042
1057 111. 99026337536898
1058 127. 62906893816861
1059 124.00372394648466
1060 125. 94537600603971
1061 psnr per frame: 31.864435
1062 32.508606
1063 32.35344
1064 31.917665
1065 31.387413
1066 31.6116
1067 31.407896
1068 fmae per frame: 3061.924
1069 2754. 1682
1070 2856.094
1071 3043.525
1072 3273.7197
1073 3205.4985
1074 3238.539
1075 ssim per frame: 0.85060257
1076 0.85691667
1077 0.86115354
1078 0.84210986
1079 0.83305776
1080 0.8525271
1081 0.8578501
1082 sharpness per frame: 22.65909
1083 21.772728
1084 21.693182
1085 23.65909
1086 23.931818
1087 22. 204546
```

```
File - interval_pred6_goontrain_result00
1088 22.693182
1089 itr: 35800
1090 training loss: 5013.009
1091 test...
1092 mse per seq: 683.2286765358665
1093 96.81649619882756
1094 100. 16422167691317
1095 111. 3271873214028
1096 126. 8408822146329
1097 122. 94549374146895
1098 125. 13439538262107
1099 psnr per frame: 31.856539
1100 32.48954
1101 32.348423
1102 31.910889
1103 31.385695
1104 31.618702
1105 31.385984
1106 fmae per frame: 3021.5398
1107 2716.8232
1108 2813.6213
1109 3002.229
1110 3231.1104
1111 3160. 7437
1112 3204.712
1113 ssim per frame: 0.85073566
1114 0.85702586
1115 0.8612717
1116 0.84229296
1117 0.83322006
1118 0.8526749
1119 0.8579288
1120 sharpness per frame: 22.577652
1121 22.318182
1122 22. 21591
1123 23.511364
1124 23.772728
```

```
File - interval_pred6_goontrain_result00
1125 21.65909
1126 21. 988636
1127 saved to checkpoints/typhoon_predrnn_pp
1128 itr: 35900
1129 training loss: 4527.0054
1130 test...
1131 mse per seq: 684.9680402712388
1132 97. 02857940847224
1133 100. 2825813293457
1134 111. 56395613063465
1135 127. 07587823000821
1136 123. 52550933577798
1137 125. 49153583700007
1138 psnr per frame: 31.826185
1139 32. 438828
1140 32. 30442
1141 31.865105
1142 31. 347015
1143 31.60182
1144 31.39992
1145 fmae per frame: 3007.0664
1146 2705. 4583
1147 2798.867
1148 2989.0696
1149 3217.6592
1150 3148. 2195
1151 3183.126
1152 ssim per frame: 0.8506395
1153 0.8569346
1154 0.86118406
1155 0.84219337
1156 0.83315665
1157 0.85249954
1158 0.85786843
1159 sharpness per frame: 23.128786
1160 22. 204546
1161 22.136364
```

```
File - interval_pred6_goontrain_result00
1162 24.556818
1163 24.647728
1164 22. 238636
1165 22. 988636
1166 itr: 36000
1167 training loss: 5729.8555
1168 test...
1169 mse per seq: 685.4092221260071
1170 97.06827146356756
1171 100. 55995811115612
1172 111. 71057202599265
1173 127. 17449561032382
1174 123. 52648691697554
1175 125. 36943799799138
1176 psnr per frame: 31.875372
1177 32.512283
1178 32.36097
1179 31. 926374
1180 31.39986
1181 31.627565
1182 31.42517
1183 fmae per frame: 3042.3499
1184 2737.6106
1185 2835.8396
1186 3022. 7893
1187 3250. 9321
1188 3186. 255
1189 3220.6726
1190 ssim per frame: 0.8506554
1191 0.85695624
1192 0.8611792
1193 0.84222066
1194 0.8331038
1195 0.8525806
1196 0.85789204
1197 sharpness per frame: 22.291666
1198 21.78409
```

```
File - interval_pred6_goontrain_result00
1199 21. 261364
1200 23. 295454
1201 23.545454
1202 21.602272
1203 22. 261364
1204 itr: 36100
1205 training loss: 4834.1323
1206 test...
1207 mse per seq: 685.4696789438075
1208 97.01721980355002
1209 100. 47870661995627
1210 111.57696056365967
1211 127. 19924181157893
1212 123. 66422239216891
1213 125. 53332775289363
1214 psnr per frame: 31.879488
1215 32.51337
1216 32. 36885
1217 31. 932648
1218 31.400959
1219 31.631914
1220 31.429205
1221 fmae per frame: 3040.209
1222 2735.892
1223 2836. 2227
1224 3020.7983
1225 3250.3086
1226 3181.8008
1227 3216. 2314
1228 ssim per frame: 0.8506848
1229 0.85700667
1230 0.8612179
1231 0.84225535
1232 0.83316845
1233 0.85256255
1234 0.8578978
1235 sharpness per frame: 22.238638
```

```
File - interval_pred6_goontrain_result00
1236 21.375
1237 21. 113636
1238 22.556818
1239 23.65909
1240 22.079546
1241 22.647728
1242 itr: 36200
1243 training loss: 4751.1455
1244 test...
1245 mse per seq: 685.4114150784233
1246 96. 85889508507468
1247 100. 46263122558594
1248 111. 70604814182629
1249 127. 07719104940242
1250 123. 7092176133936
1251 125. 59743196314031
1252 psnr per frame: 31.883356
1253 32.523247
1254 32.36917
1255 31. 92865
1256 31. 403284
1257 31.639936
1258 31.435846
1259 fmae per frame: 3040.46
1260 2735.6758
1261 2836.5093
1262 3026.0952
1263 3248. 1116
1264 3179.9688
1265 3216.3987
1266 ssim per frame: 0.8506839
1267 0.85701984
1268 0.8612314
1269 0.8422291
1270 0.8331831
1271 0.85255206
1272 0.8578883
```

```
File - interval_pred6_goontrain_result00
1273 sharpness per frame: 23.128786
1274 22. 306818
1275 22.5
1276 23.897728
1277 24.363636
1278 22.613636
1279 23.09091
1280 itr: 36300
1281 training loss: 5530.4116
1282 test...
1283 mse per seq: 685.1469157825817
1284 97. 06959186900745
1285 100. 54193501038985
1286 111. 6468825340271
1287 127. 10320594094016
1288 123. 37928884679621
1289 125. 4060115814209
1290 psnr per frame: 31.873459
1291 32.514656
1292 32.36583
1293 31. 93291
1294 31.40406
1295 31.623657
1296 31.399626
1297 fmae per frame: 3049.8455
1298 2740.8135
1299 2843.4553
1300 3030.026
1301 3257.8157
1302 3193.7607
1303 3233. 2007
1304 ssim per frame: 0.8506329
1305 0.8569487
1306 0.8611868
1307 0.84219384
1308 0.8331076
1309 0.85252345
```

```
File - interval_pred6_goontrain_result00
1310 0.85783726
1311 sharpness per frame: 22.712122
1312 21.761364
1313 21.625
1314 23.636364
1315 23.84091
1316 22.431818
1317 22. 977272
1318 itr: 36400
1319 training loss: 5880.621
1320 test...
1321 mse per seq: 687.2573082013564
1322 97. 16091533140703
1323 100. 67283144864169
1324 111. 95821475982666
1325 127. 38055216182362
1326 124. 25583949956027
1327 125. 8289550000971
1328 psnr per frame: 31.879683
1329 32. 51814
1330 32.366127
1331 31. 922075
1332 31.398924
1333 31.632051
1334 31.440779
1335 fmae per frame: 3051.4404
1336 2746.8438
1337 2845.0342
1338 3034.3296
1339 3260.0156
1340 3195.4143
1341 3227.0054
1342 ssim per frame: 0.85066605
1343 0.8570074
1344 0.86125654
1345 0.84220827
1346 0.8331382
```

```
File - interval_pred6_goontrain_result00
1347 0.85251576
1348 0.8578703
1349 sharpness per frame: 22.668562
1350 21.863636
1351 21.806818
1352 23.761364
1353 23.78409
1354 22.011364
1355 22.78409
1356 itr: 36500
1357 training loss: 6136.3984
1358 test...
1359 mse per seq: 683.9925875447013
1360 96. 73853848197244
1361 100. 05583247271451
1362 111. 35733335668391
1363 126. 90798612074418
1364 123.6587953784249
1365 125. 27410173416138
1366 psnr per frame: 31.87161
1367 32.50009
1368 32.356274
1369 31. 911457
1370 31.383905
1371 31.627943
1372 31.449976
1373 fmae per frame: 3021.555
1374 2718. 3525
1375 2813.9365
1376 3005. 1328
1377 3234.3728
1378 3164.8044
1379 3192.7297
1380 ssim per frame: 0.8506782
1381 0.85699326
1382 0.8612438
1383 0.8422158
```

```
File - interval_pred6_goontrain_result00
1384 0.83319724
1385 0.8525263
1386 0.85789317
1387 sharpness per frame: 22.583334
1388 21.46591
1389 21.556818
1390 23.693182
1391 23.40909
1392 22.397728
1393 22. 977272
1394 itr: 36600
1395 training loss: 4607.747
1396 test...
1397 mse per seq: 690.8372604846954
1398 97.83735266598788
1399 101. 06810643456198
1400 112. 40162415937944
1401 128. 207978552038
1402 124. 47982027313925
1403 126.84237839958884
1404 psnr per frame: 31.737358
1405 32.342392
1406 32. 21379
1407 31.777285
1408 31. 258497
1409 31.520203
1410 31. 31198
1411 fmae per frame: 3003.416
1412 2703.794
1413 2792.1416
1414 2983.3289
1415 3214.6062
1416 3143.7532
1417 3182.8713
1418 ssim per frame: 0.8506406
1419 0.8569439
1420 0.86121756
```

```
File - interval_pred6_goontrain_result00
1421 0.8422113
1422 0.8331363
1423 0.8525127
1424 0.857822
1425 sharpness per frame: 22.776514
1426 21.977272
1427 21. 96591
1428 23.727272
1429 23.795454
1430 22.306818
1431 22.886364
1432 itr: 36700
1433 training loss: 6122.9546
1434 test...
1435 mse per seq: 684.9278093034571
1436 96. 7834923917597
1437 100. 13188769600607
1438 111. 58648616617376
1439 127. 19938902421431
1440 123. 72832887822932
1441 125. 49822514707392
1442 psnr per frame: 31.848658
1443 32.474796
1444 32. 333836
1445 31.878992
1446 31. 35609
1447 31.616316
1448 31.43191
1449 fmae per frame: 3014.7996
1450 2710.5725
1451 2805.7236
1452 2996. 4197
1453 3228.5732
1454 3158.026
1455 3189. 4827
1456 ssim per frame: 0.85066146
1457 0.85697806
```

```
File - interval_pred6_goontrain_result00
1458 0.8612457
1459 0.842235
1460 0.83312243
1461 0.8525087
1462 0.8578789
1463 sharpness per frame: 22.988638
1464 22.375
1465 21.977272
1466 23.875
1467 24.079546
1468 22.34091
1469 23. 28409
1470 itr: 36800
1471 training loss: 786.0291
1472 test...
1473 mse per seq: 682.1512414325367
1474 96. 59977093609896
1475 99. 9313958341425
1476 111.06486441872336
1477 126. 53628956187855
1478 122. 99683605540882
1479 125. 02208462628451
1480 psnr per frame: 31.891314
1481 32.514645
1482 32.371292
1483 31. 939613
1484 31.415834
1485 31.659044
1486 31.447443
1487 fmae per frame: 3021.222
1488 2716.4797
1489 2813.44
1490 3003.5505
1491 3231.3445
1492 3160.9382
1493 3201.5781
1494 ssim per frame: 0.85076165
```

```
File - interval_pred6_goontrain_result00
1495 0.85707754
1496 0.86130863
1497 0.84232366
1498 0.8332749
1499 0.85264325
1500 0.857942
1501 sharpness per frame: 22.74053
1502 21. 931818
1503 21.75
1504 23.863636
1505 23.5
1506 22.556818
1507 22.84091
1508 saved to checkpoints/typhoon_predrnn_pp
1509 itr: 36900
1510 training loss: 4791.848
1511 test...
1512 mse per seq: 685.7921310988339
1513 96.88169852170077
1514 100. 25417744029652
1515 111.7031698660417
1516 127. 36190505461259
1517 123.60114002227783
1518 125. 99004019390453
1519 psnr per frame: 31.807493
1520 32.43284
1521 32.292828
1522 31.847967
1523 31. 326069
1524 31.581266
1525 31.363977
1526 fmae per frame: 3010.1853
1527 2702.5972
1528 2798. 2935
1529 2993. 9868
1530 3222.5015
1531 3150.3518
```

```
File - interval_pred6_goontrain_result00
1532 3193.3806
1533 ssim per frame: 0.8506419
1534 0.8570009
1535 0.8612251
1536 0.8421905
1537 0.83313155
1538 0.8525057
1539 0.85779786
1540 sharpness per frame: 22.630682
1541 21.772728
1542 21.068182
1543 23.53409
1544 23.5
1545 22.65909
1546 23.25
1547 itr: 37000
1548 training loss: 4625.7417
1549 test...
1550 mse per seq: 683.9937333627181
1551 96. 7496030547402
1552 100. 14348576285623
1553 111. 34084259379993
1554 127.07051359523426
1555 123. 43808715993708
1556 125. 25120119615035
1557 psnr per frame: 31.877686
1558 32.51537
1559 32. 36919
1560 31. 928175
1561 31.394184
1562 31.634336
1563 31. 424847
1564 fmae per frame: 3026.0312
1565 2722.6892
1566 2819. 4355
1567 3005.5728
1568 3234.6055
```

```
File - interval_pred6_goontrain_result00
1569 3168. 201
1570 3205.6838
1571 ssim per frame: 0.85069704
1572 0.85704076
1573 0.8612617
1574 0.84230465
1575 0.83316916
1576 0.85252666
1577 0.8578792
1578 sharpness per frame: 22.52841
1579 21.78409
1580 21. 454546
1581 23.147728
1582 23.693182
1583 22. 181818
1584 22. 90909
1585 itr: 37100
1586 training loss: 5089.9307
1587 test...
1588 mse per seq: 683.5942445885051
1589 96. 76986 92408475
1590 100.04486604170366
1591 111. 37224227731878
1592 126. 89671156623147
1593 123. 23469005931507
1594 125. 27586540308866
1595 psnr per frame: 31.88016
1596 32.50772
1597 32. 36728
1598 31. 919994
1599 31.399445
1600 31.645197
1601 31. 441313
1602 fmae per frame: 3019.2424
1603 2715.9138
1604 2809.8682
1605 2999.329
```

```
File - interval_pred6_goontrain_result00
1606 3229.4912
1607 3161. 9937
1608 3198.8591
1609 ssim per frame: 0.8506067
1610 0.8569408
1611 0.8611753
1612 0.84222734
1613 0.83304995
1614 0.85245997
1615 0.8577866
1616 sharpness per frame: 22.25379
1617 21.477272
1618 21.125
1619 23.147728
1620 23. 09091
1621 22. 204546
1622 22.477272
1623 itr: 37200
1624 training loss: 5768.336
1625 test...
1626 mse per seq: 683.824965433641
1627 96. 50673536820845
1628 100.04053150523792
1629 111. 50183192166415
1630 126. 95549193295565
1631 123. 23334035006437
1632 125. 58703435551037
1633 psnr per frame: 31.852158
1634 32.497044
1635 32.346176
1636 31.903343
1637 31.380785
1638 31.610756
1639 31.37485
1640 fmae per frame: 3018.8164
1641 2708.6294
1642 2808. 1843
```

```
File - interval_pred6_goontrain_result00
1643 3003.37
1644 3231.678
1645 3160. 2874
1646 3200.7502
1647 ssim per frame: 0.8507681
1648 0.8571253
1649 0.8613323
1650 0.8422738
1651 0.8332552
1652 0.8526712
1653 0.8579509
1654 sharpness per frame: 22.24621
1655 21.795454
1656 21.318182
1657 23.386364
1658 22.795454
1659 21.78409
1660 22.397728
1661 itr: 37300
1662 training loss: 4923.7173
1663 test...
1664 mse per seq: 684.9410290501335
1665 96.62786600806497
1666 100. 19738088954578
1667 111. 57588399540295
1668 127. 25440913980657
1669 123. 65824122862382
1670 125. 62724778868936
1671 psnr per frame: 31.873697
1672 32.52
1673 32. 36475
1674 31. 92254
1675 31. 393517
1676 31.627089
1677 31.41429
1678 fmae per frame: 3036.3464
1679 2727.189
```

```
File - interval_pred6_goontrain_result00
1680 2827. 1748
1681 3018.836
1682 3251.3538
1683 3179.7212
1684 3213.804
1685 ssim per frame: 0.85062283
1686 0.8570326
1687 0.86122876
1688 0.84214324
1689 0.83306795
1690 0.8524721
1691 0.85779244
1692 sharpness per frame: 22.589014
1693 22. 181818
1694 21. 943182
1695 23.488636
1696 22.852272
1697 22. 193182
1698 22.875
1699 itr: 37400
1700 training loss: 5075.7
1701 test...
1702 mse per seq: 684.3874585845253
1703 96. 69209792397238
1704 100. 03100555593318
1705 111. 36649625951594
1706 127. 14461148868908
1707 123. 68203284523703
1708 125. 47121451117776
1709 psnr per frame: 31.870005
1710 32.51162
1711 32. 370163
1712 31. 920471
1713 31.387047
1714 31.62552
1715 31.405212
1716 fmae per frame: 3023.112
```

```
File - interval_pred6_goontrain_result00
1717 2716.88
1718 2813. 2131
1719 3000. 2087
1720 3231.41
1721 3167.4397
1722 3209.5203
1723 ssim per frame: 0.850678
1724 0.85704154
1725 0.8612597
1726 0.84233606
1727 0.8331103
1728 0.8525
1729 0.85782033
1730 sharpness per frame: 22.301138
1731 21. 53409
1732 21.647728
1733 23.681818
1734 22. 954546
1735 21.46591
1736 22. 522728
1737 itr: 37500
1738 training loss: 5632.868
1739 test...
1740 mse per seq: 682.7092254812068
1741 96. 62386842207475
1742 99. 91380101984197
1743 111. 26043592799793
1744 126. 83558810840954
1745 122. 96313628283414
1746 125. 11239572004838
1747 psnr per frame: 31.866495
1748 32.507526
1749 32.366196
1750 31.918793
1751 31.393293
1752 31.626875
1753 31.386286
```

```
File - interval_pred6_goontrain_result00
1754 fmae per frame: 3016.2708
1755 2712. 911
1756 2806. 1873
1757 2994. 7905
1758 3223.7522
1759 3157.9595
1760 3202.0251
1761 ssim per frame: 0.8507502
1762 0.85708594
1763 0.86134154
1764 0.8423361
1765 0.83325315
1766 0.8526383
1767 0.85784644
1768 sharpness per frame: 22.217804
1769 21.693182
1770 21.352272
1771 23. 170454
1772 23.136364
1773 21.818182
1774 22. 136364
1775 itr: 37600
1776 training loss: 3982.855
1777 test...
1778 mse per seq: 693.6650333838029
1779 98. 18537915836681
1780 101. 38790104605935
1781 112. 84617762132125
1782 128. 7285391634161
1783 125. 146634795449
1784 127. 37040159919046
1785 psnr per frame: 31.69706
1786 32. 295998
1787 32.167484
1788 31.73268
1789 31.21305
1790 31.481848
```

```
File - interval_pred6_goontrain_result00
1791 31. 29129
1792 fmae per frame: 3013.4436
1793 2712.6594
1794 2801.415
1795 2995. 2693
1796 3227.3438
1797 3154. 4788
1798 3189.4968
1799 ssim per frame: 0.8506605
1800 0.857028
1801 0.86129403
1802 0.84226745
1803 0.83309466
1804 0.8524979
1805 0.8577807
1806 sharpness per frame: 22.831442
1807 22.125
1808 21.875
1809 23.795454
1810 23.386364
1811 22.5
1812 23.306818
1813 itr: 37700
1814 training loss: 3386.6335
1815 test...
1816 mse per seq: 684.7896526510066
1817 96. 86269656094638
1818 100. 03205901926214
1819 111. 55487298965454
1820 127. 2022348317233
1821 123. 50411304560575
1822 125. 63367620381442
1823 psnr per frame: 31.816742
1824 32.439526
1825 32.309868
1826 31.854076
1827 31.335419
```

```
File - interval_pred6_goontrain_result00
1828 31.59488
1829 31.366692
1830 fmae per frame: 3003.8918
1831 2699.942
1832 2791.9407
1833 2984.0642
1834 3214.5625
1835 3145.7554
1836 3187.0862
1837 ssim per frame: 0.8506703
1838 0.85703284
1839 0.8612787
1840 0.8422602
1841 0.8331325
1842 0.85255694
1843 0.8577606
1844 sharpness per frame: 22.422348
1845 21. 977272
1846 21.704546
1847 23.397728
1848 23.03409
1849 22.03409
1850 22.386364
1851 itr: 37800
1852 training loss: 765.4886
1853 test...
1854 mse per seq: 683.125638073141
1855 96. 52607640353116
1856 99. 71777 90294 994
1857 111. 10593834790316
1858 126. 77807881615378
1859 123. 291597626426
1860 125. 7061678496274
1861 psnr per frame: 31.878454
1862 32.513985
1863 32.374405
1864 31. 923578
```

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File - interval_pred6_goontrain_result00
1865 31.393072
1866 31.640856
1867 31.424835
1868 fmae per frame: 3014.568
1869 2711. 1223
1870 2804. 3213
1871 2994.59
1872 3222. 435
1873 3155.443
1874 3199.4954
1875 ssim per frame: 0.85066175
1876 0.85702014
1877 0.8612594
1878 0.8422747
1879 0.83314914
1880 0.85252625
1881 0.85774064
1882 sharpness per frame: 22.863638
1883 22. 181818
1884 22.045454
1885 24. 21591
1886 23.761364
1887 21.647728
1888 23.329546
1889 itr: 37900
1890 training loss: 4709.437
1891 test...
1892 mse per seq: 683.8131844347173
1893 96. 35981325669722
1894 99. 73544159802523
1895 111. 45881470766935
1896 127. 08979402888905
1897 123.60994031212546
1898 125. 55938053131104
1899 psnr per frame: 31.864687
1900 32.50746
1901 32.35995
```

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File - interval_pred6_goontrain_result00
1902 31.902418
1903 31.374052
1904 31.622625
1905 31.42162
1906 fmae per frame: 3015.1785
1907 2704.2778
1908 2801.1208
1909 3000. 9875
1910 3228.8274
1911 3159.8079
1912 3196.0493
1913 ssim per frame: 0.8507392
1914 0.85713845
1915 0.8613739
1916 0.8422876
1917 0.8332185
1918 0.85254365
1919 0.85787314
1920 sharpness per frame: 22.47159
1921 22. 21591
1922 21. 761364
1923 23.636364
1924 23.386364
1925 21. 738636
1926 22. 09091
1927 itr: 38000
1928 training loss: 4438.2397
1929 test...
1930 mse per seq: 684.0307523120533
1931 96.60764468799938
1932 99. 76129150390625
1933 111. 41612967577848
1934 126. 99356959082864
1935 123.60922325741161
1936 125.64289359612899
1937 psnr per frame: 31.84465
1938 32.470905
```

```
File - interval_pred6_goontrain_result00
1939 32.337154
1940 31.881817
1941 31. 362951
1942 31.609785
1943 31.40529
1944 fmae per frame: 3008.697
1945 2701.7278
1946 2794.3362
1947 2990. 1921
1948 3221.676
1949 3152.8865
1950 3191.363
1951 ssim per frame: 0.8506746
1952 0.8570429
1953 0.8613239
1954 0.8422465
1955 0.8331311
1956 0.8524988
1957 0.85780454
1958 sharpness per frame: 22.473486
1959 22.09091
1960 21.886364
1961 23.818182
1962 22.818182
1963 21.886364
1964 22. 34091
1965 itr: 38100
1966 training loss: 4973.5034
1967 test...
1968 mse per seq: 689.4268165501682
1969 97. 46163064783269
1970 100. 68927010622892
1971 112. 24639229340987
1972 128. 1042766571045
1973 124. 41752631014043
1974 126. 50772053545171
1975 psnr per frame: 31.747427
```

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File - interval_pred6_goontrain_result00
1976 32.359013
1977 32. 23102
1978 31. 783161
1979 31. 265505
1980 31. 529762
1981 31. 3161
1982 fmae per frame: 3007.5085
1983 2703. 2085
1984 2793.4104
1985 2989.0232
1986 3223. 1587
1987 3148.661
1988 3187.5896
1989 ssim per frame: 0.8506744
1990 0.8570907
1991 0.8613128
1992 0.84228826
1993 0.83308524
1994 0.8524912
1995 0.8577782
1996 sharpness per frame: 22.369318
1997 22.0
1998 21.977272
1999 23.363636
2000 23.045454
2001 21. 59091
2002 22.238636
2003 itr: 38200
2004 training loss: 4810.792
2005 test...
2006 mse per seq: 683.5356940789657
2007 96. 47047636725686
2008 99.80401715365323
2009 111. 3250207901001
2010 127. 20925621552901
2011 123. 24607055837458
2012 125. 48085299405184
```

```
File - interval_pred6_goontrain_result00
2013 psnr per frame: 31.83297
2014 32.47201
2015 32.32868
2016 31.874207
2017 31.346996
2018 31.599571
2019 31.37636
2020 fmae per frame: 3006.6062
2021 2700.6782
2022 2793. 2441
2023 2986.783
2024 3218.803
2025 3148.7314
2026 3191.3975
2027 ssim per frame: 0.8506692
2028 0.85707766
2029 0.86130136
2030 0.84222966
2031 0.83311176
2032 0.85253567
2033 0.8577597
2034 sharpness per frame: 21.87121
2035 21.670454
2036 21.045454
2037 23.045454
2038 22.772728
2039 20. 931818
2040 21.761364
2041 itr: 38300
2042 training loss: 4261.089
2043 test...
2044 mse per seq: 683.2409262006933
2045 96. 36941641027278
2046 99. 73639150099321
2047 111. 22061829133467
2048 127.04411307248202
2049 123. 47341671856967
```

```
File - interval_pred6_goontrain_result00
2050 125. 39697020704097
2051 psnr per frame: 31.870277
2052 32.503994
2053 32.360096
2054 31. 905022
2055 31.373716
2056 31.635529
2057 31.443316
2058 fmae per frame: 3007.655
2059 2704.3594
2060 2798.5994
2061 2989. 4963
2062 3222.7188
2063 3148.193
2064 3182.5618
2065 ssim per frame: 0.85073394
2066 0.8571419
2067 0.8613459
2068 0.8423821
2069 0.8331558
2070 0.85253453
2071 0.8578436
2072 sharpness per frame: 22.371214
2073 21.59091
2074 21.556818
2075 23.65909
2076 23.170454
2077 21.920454
2078 22. 329546
2079 itr: 38400
2080 training loss: 4787.2217
2081 test...
2082 mse per seq: 686.5035729625008
2083 96. 96894363923506
2084 100. 18481852791525
2085 111. 76846564899792
2086 127. 43092259493741
```

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File - interval_pred6_goontrain_result00
2087 124. 04990976507014
2088 126. 10051278634505
2089 psnr per frame: 31.796347
2090 32.408894
2091 32.275986
2092 31.825459
2093 31.312078
2094 31.574165
2095 31.381495
2096 fmae per frame: 3007.6033
2097 2700.3923
2098 2793.24
2099 2990. 3977
2100 3222.5315
2101 3151.7478
2102 3187.3096
2103 ssim per frame: 0.8505567
2104 0.8570313
2105 0.8612023
2106 0.84211713
2107 0.8330219
2108 0.8523438
2109 0.8576239
2110 sharpness per frame: 22.310606
2111 22.045454
2112 21.738636
2113 24.25
2114 22.71591
2115 21. 238636
2116 21.875
2117 itr: 38500
2118 training loss: 4768.0566
2119 test...
2120 mse per seq: 684.2327486818486
2121 96.68455258282748
2122 100. 14761187813498
2123 111. 3770866394043
```

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File - interval_pred6_goontrain_result00
2124 127. 02662073482166
2125 123. 46391396089034
2126 125. 53296288576993
2127 psnr per frame: 31.90219
2128 32.543297
2129 32. 393517
2130 31.950676
2131 31.41811
2132 31.656822
2133 31.450695
2134 fmae per frame: 3039.573
2135 2736.3694
2136 2833.919
2137 3020.385
2138 3248. 2842
2139 3180.598
2140 3217.8838
2141 ssim per frame: 0.8507115
2142 0.8571545
2143 0.86131495
2144 0.8422771
2145 0.833157
2146 0.85254365
2147 0.8578219
2148 sharpness per frame: 22.079544
2149 21. 28409
2150 21.5
2151 23. 227272
2152 22.613636
2153 21.375
2154 22.477272
2155 itr: 38600
2156 training loss: 5324.078
2157 test...
2158 mse per seq: 685.5697090409019
2159 96.50094171003862
2160 99.90578820488669
```

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File - interval_pred6_goontrain_result00
2161 111. 58395234021273
2162 127.51901227777654
2163 123. 94864465973593
2164 126. 11136984825134
2165 psnr per frame: 31.81459
2166 32.465557
2167 32.31748
2168 31.858324
2169 31. 325739
2170 31.570044
2171 31. 350395
2172 fmae per frame: 3003.8801
2173 2696. 1982
2174 2789. 1423
2175 2985. 4524
2176 3216.74
2177 3147.8447
2178 3187.9033
2179 ssim per frame: 0.85077
2180 0.8571905
2181 0.86139625
2182 0.84232086
2183 0.83322376
2184 0.8526256
2185 0.85786283
2186 sharpness per frame: 22.064394
2187 21.761364
2188 21.136364
2189 23.568182
2190 22.84091
2191 21.25
2192 21.829546
2193 itr: 38700
2194 training loss: 4793.0703
2195 test...
2196 mse per seq: 686.0063687237827
2197 96. 90507650375366
```

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File - interval_pred6_goontrain_result00
2198 100. 29574905742298
2199 111. 59653693979436
2200 127.51879115538163
2201 124. 01563375646418
2202 125.67458131096579
2203 psnr per frame: 31.895775
2204 32.54263
2205 32.395683
2206 31.95038
2207 31.412056
2208 31.644855
2209 31.429052
2210 fmae per frame: 3046.326
2211 2741. 4292
2212 2836. 9387
2213 3022.9119
2214 3255.8289
2215 3191.7876
2216 3229.0583
2217 ssim per frame: 0.8506763
2218 0.85707116
2219 0.86132795
2220 0.84236217
2221 0.8330923
2222 0.85241723
2223 0.85778695
2224 sharpness per frame: 22.215906
2225 21.386364
2226 20. 795454
2227 22.886364
2228 23.454546
2229 22. 295454
2230 22.477272
2231 itr: 38800
2232 training loss: 6119.3125
2233 test...
2234 mse per seq: 684.7450482195073
```

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File - interval_pred6_goontrain_result00
2235 96. 55510091781616
2236 99. 79499574141069
2237 111. 46388361670755
2238 127. 2549506967718
2239 123. 91596369309859
2240 125. 76015355370261
2241 psnr per frame: 31.837873
2242 32.474068
2243 32.332706
2244 31.874
2245 31.34717
2246 31.601372
2247 31.3979
2248 fmae per frame: 3007.8445
2249 2699.7722
2250 2791.5974
2251 2989. 1584
2252 3221.8623
2253 3153.7664
2254 3190.9102
2255 ssim per frame: 0.85064244
2256 0.8570977
2257 0.8613007
2258 0.84228194
2259 0.8330497
2260 0.85240513
2261 0.85771936
2262 sharpness per frame: 22.517046
2263 21.943182
2264 21.306818
2265 23.71591
2266 23.28409
2267 22. 21591
2268 22.636364
2269 itr: 38900
2270 training loss: 5661.5557
2271 test...
```

```
File - interval_pred6_goontrain_result00
2272 mse per seq: 691.5873328122226
2273 97.48972433263606
2274 101. 30774810097434
2275 112. 58422257683493
2276 128. 32484488053754
2277 125. 211928172545
2278 126.66886474869467
2279 psnr per frame: 31.887144
2280 32.543827
2281 32.379837
2282 31.93564
2283 31.39998
2284 31.631525
2285 31.432049
2286 fmae per frame: 3077.921
2287 2772. 1096
2288 2873.9436
2289 3056.754
2290 3287. 121
2291 3221.9272
2292 3255.6704
2293 ssim per frame: 0.8506629
2294 0.8571384
2295 0.8612677
2296 0.842294
2297 0.8330771
2298 0.8524551
2299 0.857745
2300 sharpness per frame: 22.206438
2301 22.102272
2302 21.704546
2303 22.954546
2304 22. 96591
2305 21.375
2306 22.136364
2307 itr: 39000
2308 training loss: 778.17487
```

```
File - interval_pred6_goontrain_result00
2309 test...
2310 mse per seq: 682.7327866771004
2311 96. 3477450284091
2312 99.714167508212
2313 111. 20635674216531
2314 127. 01138942891902
2315 123. 1597027128393
2316 125. 29342525655574
2317 psnr per frame: 31.861832
2318 32.499393
2319 32.35687
2320 31.907734
2321 31.379047
2322 31.621277
2323 31.406675
2324 fmae per frame: 3007.7644
2325 2699.207
2326 2795.4878
2327 2988.0703
2328 3220. 1267
2329 3151.978
2330 3191.7139
2331 ssim per frame: 0.85072404
2332 0.85717416
2333 0.8613624
2334 0.84230214
2335 0.8331343
2336 0.85254216
2337 0.85782933
2338 sharpness per frame: 21.742424
2339 21. 227272
2340 20.71591
2341 23. 113636
2342 22.5
2343 21.113636
2344 21.78409
2345 itr: 39100
```

```
File - interval_pred6_goontrain_result00
2346 training loss: 4048.0012
2347 test...
2348 mse per seq: 682.6864844452251
2349 96. 21939715472135
2350 99.70469149676236
2351 111. 11474700407548
2352 126. 96814732118087
2353 123. 04946719516407
2354 125. 63003427332097
2355 psnr per frame: 31.857729
2356 32.521767
2357 32.370174
2358 31. 923847
2359 31.386513
2360 31.591444
2361 31.352636
2362 fmae per frame: 3018.3027
2363 2702.029
2364 2802. 2937
2365 2994.8289
2366 3229. 4001
2367 3166.9102
2368 3214.3538
2369 ssim per frame: 0.85067195
2370 0.8571832
2371 0.86131954
2372 0.8422972
2373 0.83309454
2374 0.8524807
2375 0.85765576
2376 sharpness per frame: 21.857954
2377 21.386364
2378 21. 227272
2379 22.863636
2380 22.647728
2381 21. 363636
2382 21.65909
```

```
File - interval_pred6_goontrain_result00
2383 itr: 39200
2384 training loss: 1943.335
2385 test...
2386 mse per seq: 688.667903098193
2387 97.11376615004106
2388 100. 41824280131947
2389 111. 94289094751531
2390 127. 91171151941472
2391 124. 30508802153848
2392 126. 97620365836404
2393 psnr per frame: 31.762976
2394 32.394844
2395 32.253635
2396 31.80957
2397 31. 285992
2398 31.530712
2399 31.303083
2400 fmae per frame: 3000.9773
2401 2693.923
2402 2785.5894
2403 2980.974
2404 3214.299
2405 3143.9924
2406 3187.087
2407 ssim per frame: 0.85070974
2408 0.8571682
2409 0.86138636
2410 0.8422966
2411 0.8331463
2412 0.85251594
2413 0.8577454
2414 sharpness per frame: 21.804924
2415 21.40909
2416 20.863636
2417 23.056818
2418 22.545454
2419 21.079546
```

```
File - interval_pred6_goontrain_result00
2420 21.875
2421 itr: 39300
2422 training loss: 5084.625
2423 test...
2424 mse per seq: 681.8274118250066
2425 96. 25046071139249
2426 99.60794505206022
2427 111. 03983731703325
2428 126.8214993910356
2429 122. 98694012381814
2430 125. 12072922966696
2431 psnr per frame: 31.880869
2432 32.529987
2433 32.384502
2434 31.934284
2435 31.402138
2436 31.635134
2437 31. 399178
2438 fmae per frame: 3013.797
2439 2706.9912
2440 2803.0535
2441 2992.6787
2442 3223.8787
2443 3156. 4595
2444 3199.7205
2445 ssim per frame: 0.8507447
2446 0.85719645
2447 0.86139965
2448 0.8423558
2449 0.8331845
2450 0.85255396
2451 0.8577782
2452 sharpness per frame: 21.914772
2453 21.59091
2454 20.943182
2455 23.329546
2456 22.65909
```

```
File - interval_pred6_goontrain_result00
2457 21. 136364
2458 21.829546
2459 saved to checkpoints/typhoon_predrnn_pp
2460 itr: 39400
2461 training loss: 5972.4277
2462 test...
2463 mse per seq: 683.2038393237374
2464 96. 19885366613215
2465 99.59551134976473
2466 111. 18388479406184
2467 126. 95289954272184
2468 123.57995661822233
2469 125.69273335283452
2470 psnr per frame: 31.866179
2471 32.503017
2472 32.359196
2473 31.89928
2474 31. 372889
2475 31.629633
2476 31.43305
2477 fmae per frame: 3004.0403
2478 2696.5369
2479 2792.9573
2480 2985.4016
2481 3216.6462
2482 3147.682
2483 3185.0188
2484 ssim per frame: 0.85070103
2485 0.85718364
2486 0.86134905
2487 0.8423323
2488 0.8331344
2489 0.85247797
2490 0.857729
2491 sharpness per frame: 22.267046
2492 21.761364
2493 21. 238636
```

```
File - interval_pred6_goontrain_result00
2494 23.25
2495 23. 21591
2496 21.772728
2497 22.363636
2498 itr: 39500
2499 training loss: 5943.2305
2500 test...
2501 mse per seq: 680.9644157236272
2502 96. 16477426615629
2503 99. 3707296631553
2504 110.8633862842213
2505 126. 49546753276478
2506 123. 05627244169062
2507 125. 01378553563899
2508 psnr per frame: 31.882057
2509 32.516956
2510 32.38232
2511 31. 927832
2512 31.401796
2513 31.643269
2514 31. 42016
2515 fmae per frame: 3002.1497
2516 2695.682
2517 2789.5654
2518 2980.7568
2519 3211.6794
2520 3146.243
2521 3188.971
2522 ssim per frame: 0.8508296
2523 0.8572346
2524 0.86147475
2525 0.84248257
2526 0.8332727
2527 0.8526438
2528 0.8578691
2529 sharpness per frame: 22.111742
2530 21.806818
```

```
File - interval_pred6_goontrain_result00
2531 21.045454
2532 23.511364
2533 22.75
2534 21.59091
2535 21.96591
2536 saved to checkpoints/typhoon_predrnn_
2537 itr: 39600
2538 training loss: 4793.1177
2539 test...
2540 mse per seq: 682.5015554644845
2541 96. 17151539975947
2542 99.52208670702848
2543 110. 96444520083341
2544 126. 8566119887612
2545 123. 37136262113398
2546 125. 61553354696794
2547 psnr per frame: 31.872574
2548 32.519573
2549 32.378906
2550 31.926918
2551 31. 393522
2552 31.62232
2553 31.394215
2554 fmae per frame: 3006.8562
2555 2696.6836
2556 2792.5972
2557 2981.0876
2558 3215.7932
2559 3155. 4492
2560 3199.5264
2561 ssim per frame: 0.85072774
2562 0.8572158
2563 0.8613805
2564 0.84243464
2565 0.8331707
2566 0.8524855
2567 0.8576796
```

```
File - interval_pred6_goontrain_result00
2568 sharpness per frame: 21.64962
2569 21.136364
2570 20.806818
2571 22.681818
2572 22.522728
2573 20.931818
2574 21.818182
2575 itr: 39700
2576 training loss: 5832.6704
2577 test...
2578 mse per seq: 683.2279689745469
2579 96. 39409966902299
2580 99.69528029181741
2581 111. 09502046758479
2582 127. 0499585758556
2583 123.53937003829263
2584 125. 45423993197355
2585 psnr per frame: 31.902441
2586 32.548954
2587 32.405144
2588 31. 955147
2589 31.418867
2590 31.654003
2591 31.432528
2592 fmae per frame: 3021.6038
2593 2717.5793
2594 2809.4946
2595 2998.0095
2596 3233. 9375
2597 3166.8235
2598 3203.7788
2599 ssim per frame: 0.8507231
2600 0.85718036
2601 0.8614015
2602 0.84241176
2603 0.833118
2604 0.8524716
```

```
File - interval_pred6_goontrain_result00
2605 0.8577554
2606 sharpness per frame: 21.886362
2607 21. 21591
2608 20.96591
2609 23.03409
2610 22.75
2611 21. 227272
2612 22.125
2613 itr: 39800
2614 training loss: 5007.625
2615 test...
2616 mse per seq: 681.8180697831241
2617 96. 19491746208884
2618 99.50291468880393
2619 110. 9720028963956
2620 126. 79816727204756
2621 122. 88544145497409
2622 125. 46462600881404
2623 psnr per frame: 31.874535
2624 32.54069
2625 32.394672
2626 31.943666
2627 31.408049
2628 31.627632
2629 31.332508
2630 fmae per frame: 3015.1797
2631 2706.596
2632 2800.0166
2633 2990. 9084
2634 3223.8704
2635 3157.4148
2636 3212.272
2637 ssim per frame: 0.85071784
2638 0.85722595
2639 0.86141676
2640 0.84235406
2641 0.8331141
```

```
File - interval_pred6_goontrain_result00
2642 0.8525537
2643 0.8576429
2644 sharpness per frame: 21.895834
2645 21. 193182
2646 21. 15909
2647 23.011364
2648 22.46591
2649 21.318182
2650 22. 227272
2651 itr: 39900
2652 training loss: 6052.119
2653 test...
2654 mse per seq: 683.6102615053004
2655 96. 26993081786416
2656 99. 62838190252131
2657 111. 2272650978782
2658 127. 08551810004495
2659 123. 61597678878091
2660 125. 78318879821084
2661 psnr per frame: 31.889673
2662 32.5415
2663 32. 39261
2664 31. 93379
2665 31.401745
2666 31.649683
2667 31.418707
2668 fmae per frame: 3017.1853
2669 2709.4854
2670 2802.78
2671 2996. 7498
2672 3230. 2195
2673 3160. 1218
2674 3203.7546
2675 ssim per frame: 0.85072166
2676 0.8572066
2677 0.8614228
2678 0.84237784
```

```
File - interval_pred6_goontrain_result00
2679 0.8331287
2680 0.8525036
2681 0.8576903
2682 sharpness per frame: 22.149622
2683 21.647728
2684 21. 21591
2685 23.102272
2686 22.96591
2687 21.545454
2688 22.420454
2689 itr: 40000
2690 training loss: 4754.0273
2691 test...
2692 mse per seq: 683.5508069341832
2693 96.07639156688343
2694 99. 75218564813787
2695 111. 19074973193082
2696 127. 23737322200428
2697 123. 07020822438326
2698 126. 22389854084362
2699 psnr per frame: 31.8453
2700 32.54625
2701 32.378384
2702 31.922802
2703 31.366365
2704 31.561096
2705 31.296907
2706 fmae per frame: 3043.6555
2707 2718. 1252
2708 2822.7197
2709 3013.0327
2710 3256.7588
2711 3197.6494
2712 3253.6494
2713 ssim per frame: 0.8508343
2714 0.85733485
2715 0.8615015
```

```
File - interval_pred6_goontrain_result00
2716 0.8424404
2717 0.83325523
2718 0.85267204
2719 0.85780185
2720 sharpness per frame: 21.376894
2721 20.704546
2722 20.681818
2723 22. 988636
2724 22.443182
2725 20.53409
2726 20.90909
2727 itr: 40100
2728 training loss: 4566.308
2729 test...
2730 mse per seq: 683.4880130290985
2731 96. 21830012581565
2732 99. 58963831988248
2733 111. 16619534925981
2734 127. 2077016396956
2735 123.6506506096233
2736 125. 65552698482166
2737 psnr per frame: 31.860487
2738 32.500126
2739 32.359398
2740 31.904829
2741 31. 372187
2742 31.617176
2743 31.409197
2744 fmae per frame: 3005.9932
2745 2697.53
2746 2791.8945
2747 2985.3896
2748 3220.0764
2749 3152.086
2750 3188.983
2751 ssim per frame: 0.8506856
2752 0.8571966
```

```
File - interval_pred6_goontrain_result00
2753 0.86139035
2754 0.84237766
2755 0.83304423
2756 0.8523999
2757 0.8577046
2758 sharpness per frame: 22.094696
2759 21.795454
2760 21.352272
2761 23.431818
2762 22.886364
2763 21.113636
2764 21.988636
2765 itr: 40200
2766 training loss: 5985.037
2767 test...
2768 mse per seq: 684.1624543450096
2769 96. 46041694554415
2770 99. 88718878139149
2771 111. 28226297551936
2772 127. 10830437053333
2773 123. 47136144204573
2774 125. 95291982997547
2775 psnr per frame: 31.88505
2776 32. 55255
2777 32.400513
2778 31. 95019
2779 31.416502
2780 31.620764
2781 31.36979
2782 fmae per frame: 3035.1194
2783 2723.8584
2784 2819.4165
2785 3008.0383
2786 3243.8547
2787 3183.8264
2788 3231.7224
2789 ssim per frame: 0.85068196
```

```
File - interval_pred6_goontrain_result00
2790 0.8571865
2791 0.8613949
2792 0.8423189
2793 0.83309466
2794 0.85249305
2795 0.85760385
2796 sharpness per frame: 21.244318
2797 20.625
2798 20.306818
2799 22.53409
2800 21.602272
2801 20. 84091
2802 21.556818
2803 itr: 40300
2804 training loss: 4395.48
2805 test...
2806 mse per seq: 682.3903282989155
2807 95. 92059538581155
2808 99. 34476319226351
2809 110. 93626295436512
2810 126. 88188747926192
2811 123. 46278377012773
2812 125.84403551708569
2813 psnr per frame: 31.862001
2814 32.518257
2815 32.36996
2816 31.913916
2817 31. 375757
2818 31.61703
2819 31.377094
2820 fmae per frame: 3002.245
2821 2691.4824
2822 2786. 1907
2823 2982.176
2824 3215. 2642
2825 3147.0881
2826 3191. 2688
```

```
File - interval_pred6_goontrain_result00
2827 ssim per frame: 0.8507758
2828 0.85728955
2829 0.8614849
2830 0.8423971
2831 0.83318067
2832 0.8525343
2833 0.8577685
2834 sharpness per frame: 21.732954
2835 21.272728
2836 21.03409
2837 23.079546
2838 22.522728
2839 20.625
2840 21.863636
2841 itr: 40400
2842 training loss: 5028.0796
2843 test...
2844 mse per seq: 683.2473685958169
2845 96. 20849758928472
2846 99.60706190629439
2847 111. 06065260280262
2848 127.03120010549372
2849 123. 7333945794539
2850 125. 60656181248751
2851 psnr per frame: 31.899452
2852 32.53876
2853 32.39517
2854 31.940832
2855 31.407177
2856 31.660307
2857 31.454462
2858 fmae per frame: 3019.6992
2859 2711. 2637
2860 2805.6929
2861 2996.0654
2862 3234.6475
2863 3167.5095
```

```
File - interval_pred6_goontrain_result00
2864 3203.017
2865 ssim per frame: 0.8506808
2866 0.85716194
2867 0.86135846
2868 0.8423811
2869 0.8330875
2870 0.8524468
2871 0.8576488
2872 sharpness per frame: 22.193182
2873 21.46591
2874 21. 102272
2875 23.795454
2876 22.829546
2877 21.511364
2878 22.454546
2879 itr: 40500
2880 training loss: 4271.777
2881 test...
2882 mse per seq: 683.9690717133609
2883 96. 25111452015963
2884 99. 72355170683427
2885 111. 31913562254472
2886 127. 23520491339944
2887 123. 32049502025951
2888 126. 1195699301633
2889 psnr per frame: 31.812271
2890 32.472755
2891 32.31539
2892 31.865032
2893 31.333788
2894 31.562166
2895 31.324493
2896 fmae per frame: 2994.9802
2897 2685.9626
2898 2778.8127
2899 2975. 1736
2900 3206.5159
```

```
File - interval_pred6_goontrain_result00
2901 3139. 2944
2902 3184.121
2903 ssim per frame: 0.8508447
2904 0.85733694
2905 0.86154455
2906 0.8423872
2907 0.8332741
2908 0.852679
2909 0.85784644
2910 sharpness per frame: 21.125
2911 20.602272
2912 20. 40909
2913 22.670454
2914 21.693182
2915 20.397728
2916 20.977272
2917 itr: 40600
2918 training loss: 3446.8386
2919 test...
2920 mse per seq: 682.6221979748119
2921 96. 21246881918474
2922 99.54713400927457
2923 111. 10424561934038
2924 126. 7686971317638
2925 123. 25790977478027
2926 125. 73174262046814
2927 psnr per frame: 31.84945
2928 32.49174
2929 32.349205
2930 31.899097
2931 31.37961
2932 31.607893
2933 31.369158
2934 fmae per frame: 2998.7742
2935 2689. 1428
2936 2782.044
2937 2978.6492
```

```
File - interval_pred6_goontrain_result00
2938 3210.1448
2939 3142. 9219
2940 3189.7424
2941 ssim per frame: 0.8507193
2942 0.8572417
2943 0.861449
2944 0.84235877
2945 0.83315873
2946 0.85243744
2947 0.85767055
2948 sharpness per frame: 21.445076
2949 20.761364
2950 20.522728
2951 22.636364
2952 22. 272728
2953 20.75
2954 21.727272
2955 itr: 40700
2956 training loss: 3348.145
2957 test...
2958 mse per seq: 684.1300496621566
2959 96. 03197093443437
2960 99.63712874325839
2961 111. 24291723424739
2962 127. 15641684965654
2963 123. 53100533918901
2964 126. 53061056137085
2965 psnr per frame: 31.830744
2966 32.494705
2967 32.340553
2968 31.88999
2969 31.354761
2970 31.582964
2971 31.32149
2972 fmae per frame: 3005.8347
2973 2688.7449
2974 2788. 1658
```

```
File - interval_pred6_goontrain_result00
2975 2986.5498
2976 3219. 4368
2977 3150.695
2978 3201.414
2979 ssim per frame: 0.85080695
2980 0.8573587
2981 0.8614997
2982 0.8423977
2983 0.8332359
2984 0.8525856
2985 0.85776365
2986 sharpness per frame: 21.80871
2987 21.170454
2988 20.636364
2989 22.920454
2990 22.897728
2991 21.363636
2992 21.863636
2993 itr: 40800
2994 training loss: 5389.4375
2995 test...
2996 mse per seq: 687.5960354804993
2997 97. 0756050456654
2998 100. 14511468193747
2999 111. 91449611837214
3000 127. 75144100189209
3001 124. 27791946584529
3002 126. 4314591667869
3003 psnr per frame: 31.781977
3004 32.40221
3005 32.27968
3006 31.820152
3007 31.306355
3008 31.558083
3009 31.325373
3010 fmae per frame: 2996.8008
3011 2692. 2146
```

```
File - interval_pred6_goontrain_result00
3012 2780. 4697
3013 2975.594
3014 3206.5588
3015 3140.1453
3016 3185.8228
3017 ssim per frame: 0.8506565
3018 0.85713464
3019 0.861367
3020 0.84237266
3021 0.83309656
3022 0.85236645
3023 0.85760236
3024 sharpness per frame: 22.001894
3025 21.40909
3026 21. 204546
3027 23.431818
3028 22.75
3029 21. 295454
3030 21.920454
3031 itr: 40900
3032 training loss: 4719.32
3033 test...
3034 mse per seq: 683.2082130908966
3035 96. 16447702321139
3036 99. 55455537275834
3037 111. 21039789373225
3038 127. 20424838499589
3039 123. 42241027138449
3040 125. 65212414481424
3041 psnr per frame: 31.86998
3042 32.525986
3043 32. 380512
3044 31. 9182
3045 31.38514
3046 31.625153
3047 31.384893
3048 fmae per frame: 3008.6282
```

```
File - interval_pred6_goontrain_result00
3049 2698. 1482
3050 2793.5132
3051 2986.0984
3052 3220.0393
3053 3153.337
3054 3200.6345
3055 ssim per frame: 0.8507703
3056 0.85729796
3057 0.86147344
3058 0.84242994
3059 0.8331759
3060 0.85256124
3061 0.8576834
3062 sharpness per frame: 21.17803
3063 20.863636
3064 20. 352272
3065 22.636364
3066 21.704546
3067 20.363636
3068 21.147728
3069 itr: 41000
3070 training loss: 5086.2007
3071 test...
3072 mse per seq: 683.7103429057381
3073 96. 2307083823464
3074 99. 50486261194402
3075 111. 17966729944402
3076 127. 21210887215354
3077 123. 52847795052962
3078 126. 05451778932051
3079 psnr per frame: 31.830809
3080 32.469997
3081 32.330105
3082 31.872353
3083 31.338764
3084 31.599249
3085 31.374384
```

```
File - interval_pred6_goontrain_result00
3086 fmae per frame: 2996.4512
3087 2688. 1584
3088 2780. 1553
3089 2977.965
3090 3209.9534
3091 3138.5784
3092 3183.8984
3093 ssim per frame: 0.85080075
3094 0.8573042
3095 0.8615122
3096 0.8424295
3097 0.8332358
3098 0.8525578
3099 0.85776514
3100 sharpness per frame: 21.537878
3101 21.602272
3102 20.78409
3103 22. 931818
3104 22.03409
3105 20.431818
3106 21.443182
3107 itr: 41100
3108 training loss: 5600.148
3109 test...
3110 mse per seq: 688.9322788498619
3111 96. 72207814996892
3112 100. 10281796888871
3113 112. 02228970961137
3114 128. 14395735480568
3115 124.8153333013708
3116 127. 12580236521634
3117 psnr per frame: 31.774378
3118 32.416065
3119 32. 275536
3120 31.803919
3121 31.275885
3122 31.538397
```

```
File - interval_pred6_goontrain_result00
3123 31.336473
3124 fmae per frame: 3007.8547
3125 2697. 1274
3126 2789. 1765
3127 2987.6296
3128 3222.6062
3129 3154.91
3130 3195.678
3131 ssim per frame: 0.8506128
3132 0.85717386
3133 0.86135393
3134 0.8423395
3135 0.8330263
3136 0.85228974
3137 0.85749334
3138 sharpness per frame: 21.535986
3139 21.25
3140 20. 761364
3141 23.011364
3142 21.977272
3143 20.647728
3144 21.568182
3145 itr: 41200
3146 training loss: 3943.0427
3147 test...
3148 mse per seq: 690.8722644719211
3149 97. 14106284488331
3150 100. 48556795987216
3151 112. 28273218328303
3152 128. 39515347914264
3153 124. 76120021126486
3154 127. 80654779347506
3155 psnr per frame: 31.750193
3156 32.391834
3157 32. 252975
3158 31.803162
3159 31. 275505
```

```
File - interval_pred6_goontrain_result00
3160 31.510988
3161 31. 266699
3162 fmae per frame: 2998.3584
3163 2686. 9321
3164 2779.6187
3165 2978.683
3166 3209.6091
3167 3142.6553
3168 3192.6514
3169 ssim per frame: 0.850732
3170 0.8572921
3171 0.8614599
3172 0.84239155
3173 0.8331549
3174 0.8524792
3175 0.8576147
3176 sharpness per frame: 21.511366
3177 21. 011364
3178 20.545454
3179 23. 21591
3180 22.488636
3181 20.386364
3182 21.420454
3183 itr: 41300
3184 training loss: 760.3621
3185 test...
3186 mse per seq: 682.8264779394323
3187 96. 18246418779546
3188 99. 423781004819
3189 110. 97561632503162
3190 126. 95176163586703
3191 123. 56126811287619
3192 125. 731586673043
3193 psnr per frame: 31.899057
3194 32.550518
3195 32.409805
3196 31.953493
```

```
File - interval_pred6_goontrain_result00
3197 31.414827
3198 31.649153
3199 31.416552
3200 fmae per frame: 3012.334
3201 2706.455
3202 2797.0793
3203 2989.118
3204 3221.4556
3205 3158.3306
3206 3201.5654
3207 ssim per frame: 0.8507004
3208 0.85720724
3209 0.86140424
3210 0.8424103
3211 0.8331781
3212 0.85241437
3213 0.8575879
3214 sharpness per frame: 21.530304
3215 21. 102272
3216 20.625
3217 23.011364
3218 22.511364
3219 20.568182
3220 21.363636
3221 itr: 41400
3222 training loss: 5732.978
3223 test...
3224 mse per seq: 681.7348468520424
3225 95.86090952699834
3226 99. 25590792569247
3227 110. 87066589702259
3228 126. 83123896338724
3229 123. 19175338745117
3230 125. 72437115149064
3231 psnr per frame: 31.86564
3232 32.517536
3233 32.370968
```

```
File - interval_pred6_goontrain_result00
3234 31. 913837
3235 31.382454
3236 31.629591
3237 31.379478
3238 fmae per frame: 2995.5244
3239 2686.6768
3240 2779.3557
3241 2975. 171
3242 3209. 2522
3243 3139.0857
3244 3183.6052
3245 ssim per frame: 0.85080266
3246 0.8573595
3247 0.8615318
3248 0.84248966
3249 0.8332142
3250 0.8525285
3251 0.8576921
3252 sharpness per frame: 21.626894
3253 21.056818
3254 21.079546
3255 23. 21591
3256 22.375
3257 20. 71591
3258 21.318182
3259 itr: 41500
3260 training loss: 5032.7476
3261 test...
3262 mse per seq: 685.5125597607006
3263 96. 47674469514327
3264 99.82195867191662
3265 111. 4115321852944
3266 127. 51888673955744
3267 123. 94174415414983
3268 126. 341693314639
3269 psnr per frame: 31.812782
3270 32.44404
```

```
File - interval_pred6_goontrain_result00
3271 32.30176
3272 31.849854
3273 31. 321156
3274 31.585407
3275 31.374475
3276 fmae per frame: 2994.0222
3277 2687. 4226
3278 2778.8335
3279 2973.5947
3280 3208.3398
3281 3137.5845
3282 3178.3584
3283 ssim per frame: 0.85068744
3284 0.8572393
3285 0.86141664
3286 0.8423843
3287 0.833079
3288 0.85241103
3289 0.85759413
3290 sharpness per frame: 21.880682
3291 21.806818
3292 21.0
3293 23.125
3294 22.34091
3295 21.068182
3296 21.943182
3297 itr: 41600
3298 training loss: 3746.2124
3299 test...
3300 mse per seq: 683.4999286694961
3301 96.05920607393438
3302 99. 36324938860807
3303 111. 01376260410656
3304 127. 1890549659729
3305 123. 45521961558948
3306 126. 41943602128462
3307 psnr per frame: 31.883104
```

```
File - interval_pred6_goontrain_result00
3308 32.549305
3309 32.406284
3310 31.944874
3311 31.404669
3312 31.62675
3313 31.366743
3314 fmae per frame: 3018.5842
3315 2704.237
3316 2798. 1387
3317 2990.9702
3318 3231.1292
3319 3168.197
3320 3218.8337
3321 ssim per frame: 0.85068375
3322 0.85724044
3323 0.8614475
3324 0.842397
3325 0.8330494
3326 0.85241854
3327 0.85754985
3328 sharpness per frame: 21.242424
3329 20.78409
3330 20.431818
3331 22.545454
3332 21. 977272
3333 20.5
3334 21. 21591
3335 itr: 41700
3336 training loss: 749.5159
3337 test...
3338 mse per seq: 686.9746153571389
3339 96.6515610001304
3340 100. 25901343605734
3341 111. 59116662632336
3342 127. 59426905892111
3343 124. 39084219932556
3344 126. 48776303638111
```

```
File - interval_pred6_goontrain_result00
3345 psnr per frame: 31.909426
3346 32.571804
3347 32.418064
3348 31.971455
3349 31.42818
3350 31.648108
3351 31.418959
3352 fmae per frame: 3051.4817
3353 2740.4612
3354 2840.0408
3355 3026. 4563
3356 3259.9788
3357 3199. 1858
3358 3242.7686
3359 ssim per frame: 0.8507223
3360 0.8572668
3361 0.86144125
3362 0.84240264
3363 0.83313906
3364 0.8524572
3365 0.857627
3366 sharpness per frame: 21.524622
3367 21. 295454
3368 21. 079546
3369 23.443182
3370 22. 227272
3371 19. 795454
3372 21.306818
3373 itr: 41800
3374 training loss: 4457.294
3375 test...
3376 mse per seq: 681.9790216142482
3377 95. 93629184636202
3378 99. 22607504237781
3379 110. 85891814665361
3380 126. 77975888685746
3381 123. 38617875359274
```

```
File - interval_pred6_goontrain_result00
3382 125. 79179893840443
3383 psnr per frame: 31.860748
3384 32.50738
3385 32. 368225
3386 31.907146
3387 31.376892
3388 31.618135
3389 31.386702
3390 fmae per frame: 2992.5303
3391 2683.8313
3392 2776.516
3393 2971.799
3394 3204.0273
3395 3137.4734
3396 3181.5344
3397 ssim per frame: 0.8508396
3398 0.85739714
3399 0.8615643
3400 0.8424801
3401 0.8332882
3402 0.852578
3403 0.8577299
3404 sharpness per frame: 21.181818
3405 21.102272
3406 20.329546
3407 22.863636
3408 21.477272
3409 20.397728
3410 20.920454
3411 itr: 41900
3412 training loss: 3931.7058
3413 test...
3414 mse per seq: 684.4875939976085
3415 95. 94651382619685
3416 99.46707170659846
3417 111. 16618871688843
3418 127. 41229209032926
```

```
File - interval_pred6_goontrain_result00
3419 123. 78350114822388
3420 126. 71202650937167
3421 psnr per frame: 31.848938
3422 32.532955
3423 32.372955
3424 31.912199
3425 31.366926
3426 31.59018
3427 31.318409
3428 fmae per frame: 3011.182
3429 2699.3328
3430 2791.9573
3431 2987.583
3432 3225.215
3433 3156. 9172
3434 3206.0876
3435 ssim per frame: 0.85071754
3436 0.8573025
3437 0.8614821
3438 0.84234005
3439 0.83309937
3440 0.8524843
3441 0.85759676
3442 sharpness per frame: 21.814394
3443 21.727272
3444 21.488636
3445 23.71591
3446 22.431818
3447 20. 318182
3448 21. 204546
3449 itr: 42000
3450 training loss: 3842.152
3451 test...
3452 mse per seq: 681.4080372073433
3453 95. 78273849053816
3454 99. 12513108686967
3455 110. 70991204001687
```

```
File - interval_pred6_goontrain_result00
3456 126.6604488546198
3457 123. 30336423353715
3458 125. 82644250176169
3459 psnr per frame: 31.905924
3460 32.55513
3461 32.411587
3462 31.954292
3463 31.41812
3464 31.662764
3465 31.433655
3466 fmae per frame: 3008.6875
3467 2696.773
3468 2792. 2263
3469 2987.0146
3470 3219.9993
3471 3156.0173
3472 3200.0945
3473 ssim per frame: 0.8507846
3474 0.85737514
3475 0.86150336
3476 0.8424459
3477 0.8332145
3478 0.85252225
3479 0.8576462
3480 sharpness per frame: 21.725378
3481 21. 204546
3482 21.045454
3483 23.477272
3484 22.454546
3485 20.886364
3486 21.28409
3487 itr: 42100
3488 training loss: 4840.213
3489 test...
3490 mse per seq: 681.0183190432462
3491 95. 74099464849992
3492 99. 14967042749578
```

```
File - interval_pred6_goontrain_result00
3493 110. 69964729655872
3494 126. 71822196787053
3495 123. 11049212108959
3496 125. 59929258173162
3497 psnr per frame: 31.87581
3498 32.519917
3499 32.374382
3500 31.918358
3501 31.382824
3502 31.639183
3503 31.420216
3504 fmae per frame: 2994.7424
3505 2685.155
3506 2780.5754
3507 2974.9536
3508 3207.8733
3509 3138.5537
3510 3181.3445
3511 ssim per frame: 0.85086584
3512 0.857425
3513 0.8616146
3514 0.8424912
3515 0.8332777
3516 0.85257983
3517 0.85780644
3518 sharpness per frame: 21.458334
3519 20.852272
3520 20.40909
3521 22.84091
3522 22.375
3523 20.852272
3524 21.420454
3525 itr: 42200
3526 training loss: 3746.1548
3527 test...
3528 mse per seq: 691.1728767048229
3529 97. 03434796766801
```

```
File - interval_pred6_goontrain_result00
3530 100. 27897171540694
3531 112. 34906586733732
3532 128.63000145825472
3533 125. 35296899622136
3534 127. 52752069993453
3535 psnr per frame: 31.749037
3536 32.38376
3537 32. 24857
3538 31.774286
3539 31. 241522
3540 31.512423
3541 31. 333668
3542 fmae per frame: 3001.7812
3543 2693. 1924
3544 2783.0408
3545 2983. 3115
3546 3216.667
3547 3149. 1265
3548 3185.3499
3549 ssim per frame: 0.85062855
3550 0.8572498
3551 0.8614347
3552 0.84236336
3553 0.83301145
3554 0.85224444
3555 0.85746783
3556 sharpness per frame: 21.56629
3557 21.363636
3558 20.806818
3559 23.306818
3560 22. 21591
3561 20. 431818
3562 21. 272728
3563 itr: 42300
3564 training loss: 4609.86
3565 test...
3566 mse per seq: 686.423024892807
```

```
File - interval_pred6_goontrain_result00
3567 96. 46536536650224
3568 99. 71181579069658
3569 111.61474440314554
3570 127.81520704789595
3571 124. 05733329599553
3572 126. 75855898857117
3573 psnr per frame: 31.793634
3574 32.43134
3575 32. 30107
3576 31.830084
3577 31.30176
3578 31.564568
3579 31.333
3580 fmae per frame: 2996.4617
3581 2687. 3298
3582 2777.8967
3583 2975.3647
3584 3210.3584
3585 3140.0022
3586 3187.8179
3587 ssim per frame: 0.8507038
3588 0.85730606
3589 0.8615095
3590 0.84236604
3591 0.8330992
3592 0.8524315
3593 0.85751057
3594 sharpness per frame: 21.276516
3595 21. 09091
3596 20.568182
3597 23.147728
3598 21.886364
3599 20.03409
3600 20.931818
3601 itr: 42400
3602 training loss: 793.7411
3603 test...
```

```
File - interval_pred6_goontrain_result00
3604 mse per seq: 680.875137719241
3605 95.89100187475032
3606 99. 23482769185847
3607 110. 67659417065707
3608 126. 68586319143122
3609 122.84488886052912
3610 125.54196193001486
3611 psnr per frame: 31.884157
3612 32. 54761
3613 32.401833
3614 31. 951447
3615 31.411835
3616 31.62564
3617 31.366577
3618 fmae per frame: 3009.4297
3619 2697. 9685
3620 2792.967
3621 2984.505
3622 3218. 3843
3623 3155.8845
3624 3206.869
3625 ssim per frame: 0.85070974
3626 0.8572662
3627 0.8614658
3628 0.842391
3629 0.83311313
3630 0.8524765
3631 0.8575458
3632 sharpness per frame: 21.435606
3633 21.136364
3634 20.818182
3635 23.25
3636 22.204546
3637 20.420454
3638 20.78409
3639 saved to checkpoints/typhoon_predrnn
3640 itr: 42500
```

```
File - interval_pred6_goontrain_result00
3641 training loss: 4087.1182
3642 test...
3643 mse per seq: 681.5109068480405
3644 95. 7915544943376
3645 99. 13435558839278
3646 110.69002437591553
3647 126. 71132989363237
3648 123. 42537498474121
3649 125. 758267511021
3650 psnr per frame: 31.899443
3651 32.547504
3652 32.404537
3653 31.946783
3654 31.409418
3655 31.655743
3656 31.432661
3657 fmae per frame: 3002.1052
3658 2692.4927
3659 2786.742
3660 2979.8804
3661 3213.1562
3662 3148.1797
3663 3192.1797
3664 ssim per frame: 0.8507852
3665 0.85734487
3666 0.86152196
3667 0.84247977
3668 0.833215
3669 0.85248625
3670 0.8576632
3671 sharpness per frame: 21.897728
3672 21.579546
3673 21. 363636
3674 23. 352272
3675 22.636364
3676 20.863636
3677 21.59091
```

```
File - interval_pred6_goontrain_result00
3678 itr: 42600
3679 training loss: 4583.543
3680 test...
3681 mse per seq: 684.2691794525493
3682 95. 8093762181022
3683 99.47207927703857
3684 111. 06337716362692
3685 127. 33167071775956
3686 124.01438201557507
3687 126. 57829406044699
3688 psnr per frame: 31.88626
3689 32.553196
3690 32.400784
3691 31. 944313
3692 31.396008
3693 31.633238
3694 31.390009
3695 fmae per frame: 3016.2424
3696 2696.6318
3697 2797.9207
3698 2992.999
3699 3230.033
3700 3164. 1846
3701 3215.685
3702 ssim per frame: 0.85076046
3703 0.8573591
3704 0.86151594
3705 0.8424825
3706 0.83317184
3707 0.85247064
3708 0.8575631
3709 sharpness per frame: 21.51515
3710 21.03409
3711 20.727272
3712 23.5
3713 22.431818
3714 20.488636
```

```
File - interval_pred6_goontrain_result00
3715 20.90909
3716 itr: 42700
3717 training loss: 6027.2554
3718 test...
3719 mse per seq: 683.1121041558006
3720 95.86759476228194
3721 99. 29416036605835
3722 110. 90108611366965
3723 126. 98483154990457
3724 123. 8882565498352
3725 126. 17617481405085
3726 psnr per frame: 31.867567
3727 32.511837
3728 32.364964
3729 31.910448
3730 31.372993
3731 31.62502
3732 31.42013
3733 fmae per frame: 2999.9207
3734 2687.6868
3735 2782.4626
3736 2981. 1665
3737 3215.546
3738 3146. 2952
3739 3186. 3662
3740 ssim per frame: 0.850687
3741 0.8572983
3742 0.86145014
3743 0.8423201
3744 0.83308905
3745 0.85236305
3746 0.8576017
3747 sharpness per frame: 21.981062
3748 21.488636
3749 21.011364
3750 24. 136364
3751 22.71591
```

```
File - interval_pred6_goontrain_result00
3752 20.875
3753 21.65909
3754 itr: 42800
3755 training loss: 4592.1
3756 test...
3757 mse per seq: 681.1694113991477
3758 95. 76596305587076
3759 99.0948993509466
3760 110. 5917518789118
3761 126. 70172327215022
3762 123. 19517174634066
3763 125.8199020949277
3764 psnr per frame: 31.889847
3765 32.53639
3766 32.3942
3767 31. 938477
3768 31.401527
3769 31.648851
3770 31.41964
3771 fmae per frame: 2996.29
3772 2688. 1152
3773 2780. 4524
3774 2972.8232
3775 3208.3877
3776 3140.272
3777 3187.6892
3778 ssim per frame: 0.8507655
3779 0.85736006
3780 0.8615269
3781 0.842474
3782 0.83312476
3783 0.852491
3784 0.85761666
3785 sharpness per frame: 21.454546
3786 21.125
3787 20.75
3788 23.170454
```

```
File - interval_pred6_goontrain_result00
3789 22.443182
3790 20.125
3791 21.113636
3792 itr: 42900
3793 training loss: 4584.362
3794 test...
3795 mse per seq: 692.5228845856407
3796 97. 46364823254672
3797 100.6667927828702
3798 112.62764510241422
3799 128. 8426167314703
3800 124. 72098471901633
3801 128. 2011970173229
3802 psnr per frame: 31.693176
3803 32.347336
3804 32. 214188
3805 31.756386
3806 31. 23136
3807 31.442696
3808 31.16709
3809 fmae per frame: 3007.091
3810 2694.563
3811 2783.1145
3812 2981.3914
3813 3214.8413
3814 3152.7805
3815 3215.857
3816 ssim per frame: 0.850612
3817 0.85728264
3818 0.8614696
3819 0.8422579
3820 0.83294183
3821 0.85236686
3822 0.857353
3823 sharpness per frame: 21.179924
3824 20.761364
3825 20.454546
```

```
File - interval_pred6_goontrain_result00
3826 23. 181818
3827 21.522728
3828 20.022728
3829 21.136364
3830 itr: 43000
3831 training loss: 4631.545
3832 test...
3833 mse per seq: 687.562613552267
3834 96. 5207909670743
3835 99.65299051458186
3836 111.56920706142078
3837 128. 07174227454445
3838 124.6380455493927
3839 127. 1098371852528
3840 psnr per frame: 31.780594
3841 32.42182
3842 32. 290524
3843 31.818712
3844 31. 279627
3845 31.54706
3846 31.325819
3847 fmae per frame: 2998.1448
3848 2688.8152
3849 2777.4634
3850 2975.6296
3851 3213. 3728
3852 3144.1357
3853 3189. 4517
3854 ssim per frame: 0.85065216
3855 0.8572638
3856 0.8614963
3857 0.8423849
3858 0.8329658
3859 0.8523238
3860 0.8574781
3861 sharpness per frame: 21.67424
3862 21. 28409
```

```
File - interval_pred6_goontrain_result00
3863 21.022728
3864 23.125
3865 22.78409
3866 20.579546
3867 21.25
3868 itr: 43100
3869 training loss: 4847.5864
3870 test...
3871 mse per seq: 690.4597428928722
3872 97.02007285031405
3873 100. 73990245298906
3874 112. 18346929550171
3875 128. 2569952878085
3876 124. 9894234050404
3877 127. 26987960121848
3878 psnr per frame: 31.904066
3879 32.579315
3880 32.41747
3881 31.973097
3882 31.425905
3883 31.637001
3884 31.391613
3885 fmae per frame: 3078.0862
3886 2767.9485
3887 2865.4077
3888 3052.744
3889 3287.3435
3890 3226.0835
3891 3268.9905
3892 ssim per frame: 0.8507746
3893 0.85743177
3894 0.8615419
3895 0.84244215
3896 0.83316064
3897 0.8524627
3898 0.8576088
3899 sharpness per frame: 22.123106
```

```
File - interval_pred6_goontrain_result00
3900 21.556818
3901 21.78409
3902 24. 28409
3903 22.772728
3904 21.011364
3905 21.329546
3906 itr: 43200
3907 training loss: 3858.893
3908 test...
3909 mse per seq: 681.7678158716722
3910 95.65230423753911
3911 98. 98536775328897
3912 110. 67495246367021
3913 126. 8256483078003
3914 123. 49006607315756
3915 126. 13947703621604
3916 psnr per frame: 31.89271
3917 32. 54691
3918 32.40489
3919 31.940407
3920 31.399199
3921 31.651262
3922 31.413607
3923 fmae per frame: 3000.2637
3924 2690. 3828
3925 2782.8936
3926 2977.878
3927 3212.9297
3928 3145.182
3929 3192. 3162
3930 ssim per frame: 0.8506867
3931 0.85728896
3932 0.86150265
3933 0.8423159
3934 0.8331039
3935 0.8524015
3936 0.85750747
```

```
File - interval_pred6_goontrain_result00
3937 sharpness per frame: 21.857954
3938 21.272728
3939 21.352272
3940 23.65909
3941 22.647728
3942 20.806818
3943 21.40909
3944 itr: 43300
3945 training loss: 5297.945
3946 test...
3947 mse per seq: 682.4236619039016
3948 95. 55882449583574
3949 99.02572033622049
3950 110.67666972767223
3951 126. 98250146345659
3952 123.84706083211032
3953 126. 33288504860617
3954 psnr per frame: 31.904282
3955 32. 562912
3956 32.41227
3957 31.950987
3958 31.401905
3959 31.65462
3960 31.443
3961 fmae per frame: 3004.5413
3962 2692.109
3963 2787.1177
3964 2982.8103
3965 3219.6865
3966 3152.3682
3967 3193.157
3968 ssim per frame: 0.85073596
3969 0.85738814
3970 0.8615383
3971 0.84242594
3972 0.83313745
3973 0.852381
```

```
File - interval_pred6_goontrain_result00
3974 0.8575451
3975 sharpness per frame: 21.676134
3976 20.943182
3977 21.170454
3978 23.568182
3979 22.511364
3980 20.625
3981 21.238636
3982 itr: 43400
3983 training loss: 4571.13
3984 test...
3985 mse per seq: 683.2004493366588
3986 96.0503861470656
3987 99.54860206083818
3988 110. 92844659631902
3989 126. 96272863041271
3990 123. 72766275839372
3991 125. 9826231436296
3992 psnr per frame: 31.934692
3993 32.5887
3994 32.437252
3995 31.985008
3996 31. 441923
3997 31.683247
3998 31.472038
3999 fmae per frame: 3025.2961
4000 2718.6467
4001 2813. 2935
4002 3002.3682
4003 3236.5916
4004 3170.7263
4005 3210.1494
4006 ssim per frame: 0.85077876
4007 0.85739386
4008 0.86153793
4009 0.8424492
4010 0.83319765
```

```
File - interval_pred6_goontrain_result00
4011 0.85246944
4012 0.8576243
4013 sharpness per frame: 21.628786
4014 21.363636
4015 21. 181818
4016 23.681818
4017 22.431818
4018 20.079546
4019 21.03409
4020 itr: 43500
4021 training loss: 4604.4736
4022 test...
4023 mse per seq: 682.8247509002686
4024 95. 94540944966403
4025 99. 31591697172685
4026 110. 89844625646418
4027 127.00061039491133
4028 123.60693762519143
4029 126. 05743020231074
4030 psnr per frame: 31.841711
4031 32. 488804
4032 32.350876
4033 31.89518
4034 31. 360807
4035 31.604494
4036 31.350105
4037 fmae per frame: 2993.8342
4038 2681.3376
4039 2774.6826
4040 2970. 7993
4041 3205.9148
4042 3138.8186
4043 3191.4517
4044 ssim per frame: 0.85071516
4045 0.8573663
4046 0.86152166
4047 0.8423874
```

```
File - interval_pred6_goontrain_result00
4048 0.8331358
4049 0.85240006
4050 0.85747963
4051 sharpness per frame: 21.138256
4052 20.90909
4053 20.556818
4054 23.397728
4055 21.806818
4056 19.602272
4057 20.556818
4058 itr: 43600
4059 training loss: 4346.83
4060 test...
4061 mse per seq: 698.706215728413
4062 97. 89289643547751
4063 101. 9779430736195
4064 113. 33183657039295
4065 129.8479094071822
4066 126. 56546332619406
4067 129. 09016691554677
4068 psnr per frame: 31.852678
4069 32.552982
4070 32.379826
4071 31. 937983
4072 31.376213
4073 31. 57547
4074 31. 293598
4075 fmae per frame: 3112.283
4076 2792.9795
4077 2897.3806
4078 3079. 2297
4079 3324.0688
4080 3262.7954
4081 3317. 2446
4082 ssim per frame: 0.85065407
4083 0.8573414
4084 0.8614638
```

```
File - interval_pred6_goontrain_result00
4085 0.8424229
4086 0.8330321
4087 0.8523047
4088 0.85735935
4089 sharpness per frame: 21.238638
4090 20.829546
4091 20. 772728
4092 22.71591
4093 22.09091
4094 20.045454
4095 20.977272
4096 itr: 43700
4097 training loss: 4761.8467
4098 test...
4099 mse per seq: 684.9078666513616
4100 96. 18779719959606
4101 99. 47615736181086
4102 111. 35863096063787
4103 127.65097899870439
4104 123.67096989805049
4105 126. 56333223256198
4106 psnr per frame: 31.813179
4107 32.46705
4108 32.328526
4109 31.859875
4110 31. 325994
4111 31.577093
4112 31.320526
4113 fmae per frame: 2990.1064
4114 2678. 9954
4115 2770. 1064
4116 2969. 432
4117 3203.5032
4118 3132.6807
4119 3185.9226
4120 ssim per frame: 0.85071355
4121 0.8573683
```

```
File - interval_pred6_goontrain_result00
4122 0.8615578
4123 0.84240836
4124 0.83303857
4125 0.8524141
4126 0.85749453
4127 sharpness per frame: 21.732954
4128 21. 46591
4129 21. 28409
4130 23. 227272
4131 22.53409
4132 20. 545454
4133 21. 34091
4134 itr: 43800
4135 training loss: 4288.482
4136 test...
4137 mse per seq: 681.1183985796841
4138 95.50722843950444
4139 98. 9517898126082
4140 110.61684673482722
4141 126. 7884823625738
4142 123. 4175386428833
4143 125. 8365125872872
4144 psnr per frame: 31.898148
4145 32.559265
4146 32.403847
4147 31. 941664
4148 31. 397224
4149 31.655886
4150 31.430992
4151 fmae per frame: 2996.413
4152 2686.8074
4153 2779.7341
4154 2978.277
4155 3213.4463
4156 3140.0154
4157 3180. 1985
4158 ssim per frame: 0.85081244
```

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File - interval_pred6_goontrain_result00
4159 0.8574528
4160 0.86158407
4161 0.8424625
4162 0.8332054
4163 0.8525476
4164 0.8576221
4165 sharpness per frame: 22.073862
4166 21.5
4167 21.306818
4168 23.556818
4169 23.045454
4170 21. 227272
4171 21.806818
4172 itr: 43900
4173 training loss: 4723.788
4174 test...
4175 mse per seq: 685.6948437473991
4176 95.8994959267703
4177 99. 31725207242098
4178 111. 14494080977006
4179 127. 57150168852372
4180 124. 56591294028543
4181 127. 19574030962858
4182 psnr per frame: 31.837317
4183 32.497974
4184 32.342354
4185 31.873291
4186 31. 32982
4187 31.59153
4188 31.388908
4189 fmae per frame: 2998.6426
4190 2684.7126
4191 2776. 9382
4192 2977.7173
4193 3216.6174
4194 3147.9033
4195 3187.9678
```

```
File - interval_pred6_goontrain_result00
4196 ssim per frame: 0.85063094
4197 0.8573101
4198 0.86148036
4199 0.8423315
4200 0.8329739
4201 0.8522781
4202 0.8574114
4203 sharpness per frame: 21.744318
4204 21.5
4205 21. 21591
4206 23.272728
4207 22.556818
4208 20.488636
4209 21.431818
4210 itr: 44000
4211 training loss: 4631.62
4212 test...
4213 mse per seq: 684.8032852086154
4214 95. 99464121731845
4215 99.36079827221957
4216 111. 21273586966775
4217 127.50031813708219
4218 124.04710125923157
4219 126.68769045309587
4220 psnr per frame: 31.833593
4221 32. 483425
4222 32. 34238
4223 31.872107
4224 31. 33303
4225 31.601318
4226 31.369287
4227 fmae per frame: 2990.697
4228 2681.0242
4229 2771.955
4230 2970. 2117
4231 3204.3193
4232 3134.5117
```

```
File - interval_pred6_goontrain_result00
4233 3182. 1592
4234 ssim per frame: 0.8506601
4235 0.8573086
4236 0.8614931
4237 0.84233266
4238 0.83304334
4239 0.8523524
4240 0.85743064
4241 sharpness per frame: 21.75
4242 21.65909
4243 21.53409
4244 23. 943182
4245 22.329546
4246 20.147728
4247 20.886364
4248 itr: 44100
4249 training loss: 4550.9365
4250 test...
4251 mse per seq: 688.3144849430431
4252 96. 34391596100546
4253 100. 02296417409724
4254 111. 59639818018132
4255 127.88301025737415
4256 124. 95802985538135
4257 127.51016651500355
4258 psnr per frame: 31.904337
4259 32.586636
4260 32.427853
4261 31.971138
4262 31.418829
4263 31.639782
4264 31.381794
4265 fmae per frame: 3050.1152
4266 2730.6838
4267 2830.653
4268 3023.2366
4269 3261. 2986
```

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File - interval_pred6_goontrain_result00
4270 3201.0798
4271 3253.74
4272 ssim per frame: 0.85068566
4273 0.85738367
4274 0.86150986
4275 0.8424706
4276 0.8330849
4277 0.8522901
4278 0.85737514
4279 sharpness per frame: 21.905304
4280 21.397728
4281 21. 318182
4282 23.568182
4283 22.897728
4284 20.954546
4285 21. 295454
4286 itr: 44200
4287 training loss: 3170.7607
4288 test...
4289 mse per seq: 683.7047605297782
4290 95.87147534977306
4291 99. 45642629536715
4292 110.84759131344882
4293 127. 25341987609863
4294 123. 78673406080766
4295 126. 48911363428289
4296 psnr per frame: 31.909971
4297 32.58051
4298 32. 423077
4299 31.973356
4300 31. 425545
4301 31.649548
4302 31.407782
4303 fmae per frame: 3017.6487
4304 2704.82
4305 2801.4617
4306 2989.6143
```

```
File - interval_pred6_goontrain_result00
4307 3229.7979
4308 3166.6758
4309 3213.5227
4310 ssim per frame: 0.8506438
4311 0.8573278
4312 0.86146355
4313 0.8424418
4314 0.8329564
4315 0.85227495
4316 0.85739875
4317 sharpness per frame: 21.761362
4318 21. 318182
4319 21.056818
4320 22.59091
4321 22.852272
4322 21.079546
4323 21.670454
4324 itr: 44300
4325 training loss: 5145.208
4326 test...
4327 mse per seq: 682.3006021542983
4328 95. 78195437518033
4329 99. 1713144345717
4330 110. 73939401453191
4331 127. 03556034781717
4332 123. 33244310725819
4333 126. 23993587493896
4334 psnr per frame: 31.87884
4335 32.562473
4336 32.415005
4337 31.956238
4338 31.409283
4339 31.621778
4340 31.30825
4341 fmae per frame: 3010.081
4342 2693.7185
4343 2787.0947
```

```
File - interval_pred6_goontrain_result00
4344 2978. 3643
4345 3216.7385
4346 3159. 2422
4347 3225.3289
4348 ssim per frame: 0.85068065
4349 0.8573668
4350 0.8615202
4351 0.8424185
4352 0.83306825
4353 0.8523792
4354 0.85733104
4355 sharpness per frame: 21.183714
4356 21.022728
4357 20.625
4358 23. 318182
4359 21.693182
4360 19.613636
4361 20.829546
4362 itr: 44400
4363 training loss: 4871.1816
4364 test...
4365 mse per seq: 682.2814100222154
4366 95. 78956066478382
4367 99. 06821775436401
4368 110.89972942525691
4369 127. 07454937154597
4370 123. 13011227954517
4371 126. 31924052671953
4372 psnr per frame: 31.853739
4373 32. 51509
4374 32.378677
4375 31. 915556
4376 31.379719
4377 31.60778
4378 31. 325615
4379 fmae per frame: 2991.3313
4380 2676.677
```

```
File - interval_pred6_goontrain_result00
4381 2768. 1978
4382 2966. 7874
4383 3202.9678
4384 3137.9243
4385 3195.4329
4386 ssim per frame: 0.8507359
4387 0.8574085
4388 0.86158025
4389 0.8424081
4390 0.83310276
4391 0.85247684
4392 0.85743904
4393 sharpness per frame: 21.410986
4394 21. 238636
4395 21.056818
4396 23.022728
4397 21.90909
4398 19.75
4399 21.488636
4400 itr: 44500
4401 training loss: 4874.982
4402 test...
4403 mse per seq: 684.1233243942261
4404 96.01688036051664
4405 99.6367180997675
4406 111. 0821488120339
4407 127. 3432566469366
4408 123.66562594066967
4409 126. 37869453430176
4410 psnr per frame: 31.910448
4411 32.590992
4412 32.43664
4413 31. 982502
4414 31. 434298
4415 31.649431
4416 31.36883
4417 fmae per frame: 3036.318
```

```
File - interval_pred6_goontrain_result00
4418 2718.876
4419 2818.4028
4420 3006.0852
4421 3246.054
4422 3185.7834
4423 3242.7068
4424 ssim per frame: 0.85066575
4425 0.85738033
4426 0.86150473
4427 0.842369
4428 0.83303165
4429 0.85234225
4430 0.85736656
4431 sharpness per frame: 21.441286
4432 21. 21591
4433 20.988636
4434 23. 181818
4435 22. 28409
4436 20.09091
4437 20.886364
4438 itr: 44600
4439 training loss: 4610.231
4440 test...
4441 mse per seq: 683.1400956240567
4442 95.69727501002225
4443 99. 14344141700052
4444 110.81144835732199
4445 127. 09425466710871
4446 123. 97369332747026
4447 126. 419982845133
4448 psnr per frame: 31.865198
4449 32.519974
4450 32.369434
4451 31.907204
4452 31. 363567
4453 31.61883
4454 31.412182
```

```
File - interval_pred6_goontrain_result00
4455 fmae per frame: 2991.319
4456 2682.5308
4457 2774.5552
4458 2970. 278
4459 3205.4377
4460 3137. 2593
4461 3177.854
4462 ssim per frame: 0.85062927
4463 0.85732365
4464 0.8614645
4465 0.8422868
4466 0.8330112
4467 0.8522837
4468 0.85740566
4469 sharpness per frame: 21.642044
4470 21.363636
4471 20. 96591
4472 23. 761364
4473 22.329546
4474 20. 363636
4475 21.068182
4476 itr: 44700
4477 training loss: 4913.1562
4478 test...
4479 mse per seq: 687.9637264988639
4480 96. 50979404015975
4481 99. 73060720617121
4482 111.66483922438188
4483 128. 12648591128263
4484 124.6165635802529
4485 127. 31543653661555
4486 psnr per frame: 31.799273
4487 32.44726
4488 32.313793
4489 31.84359
4490 31. 305962
4491 31.562078
```

```
File - interval_pred6_goontrain_result00
4492 31.322948
4493 fmae per frame: 2996.0625
4494 2683.639
4495 2773.0374
4496 2971.9043
4497 3208.832
4498 3144. 1985
4499 3194.7654
4500 ssim per frame: 0.8505237
4501 0.8572321
4502 0.8614086
4503 0.8423847
4504 0.8328596
4505 0.8520973
4506 0.8571602
4507 sharpness per frame: 21.842804
4508 21.579546
4509 21. 193182
4510 23.602272
4511 22.386364
4512 20.897728
4513 21.397728
4514 itr: 44800
4515 training loss: 4783.9775
4516 test...
4517 mse per seq: 681.7354568784887
4518 95. 69351740316911
4519 99. 19529882344332
4520 110.60544521158391
4521 126. 76196952299638
4522 123. 39504541050304
4523 126. 08418050679293
4524 psnr per frame: 31.915787
4525 32.572502
4526 32. 423855
4527 31.967726
4528 31.422577
```

```
File - interval_pred6_goontrain_result00
4529 31.66997
4530 31.438099
4531 fmae per frame: 3007.6611
4532 2700.0703
4533 2795.6326
4534 2984.9446
4535 3219.0374
4536 3150.9126
4537 3195.3696
4538 ssim per frame: 0.8506952
4539 0.8573751
4540 0.86150473
4541 0.8424332
4542 0.8330669
4543 0.8523615
4544 0.85742944
4545 sharpness per frame: 21.820076
4546 21. 386364
4547 21.25
4548 23. 181818
4549 22. 738636
4550 21.056818
4551 21. 306818
4552 itr: 44900
4553 training loss: 3837.6143
4554 test...
4555 mse per seq: 684.2718686624007
4556 96.06988055055791
4557 99. 33566303686662
4558 111. 11667078191584
4559 127. 33506887609309
4560 123.89773186770353
4561 126. 5168535492637
4562 psnr per frame: 31.832624
4563 32.48948
4564 32.34971
4565 31.88711
```

```
File - interval_pred6_goontrain_result00
4566 31.352898
4567 31.584917
4568 31.331633
4569 fmae per frame: 2991.4739
4570 2679. 2952
4571 2768.898
4572 2965.8381
4573 3202. 4211
4574 3139.7498
4575 3192.6414
4576 ssim per frame: 0.8506694
4577 0.8573683
4578 0.8615761
4579 0.8423715
4580 0.83300394
4581 0.85233325
4582 0.8573631
4583 sharpness per frame: 21.57197
4584 21. 181818
4585 20.988636
4586 23.454546
4587 22.375
4588 20. 193182
4589 21. 238636
4590 itr: 45000
4591 training loss: 4776.3525
4592 test...
4593 mse per seq: 681.3450480374423
4594 95.65278699181296
4595 99. 12404838475314
4596 110.64269746433605
4597 126. 94336188923229
4598 123. 33404081518
4599 125. 64811249212785
4600 psnr per frame: 31.912941
4601 32.569202
4602 32.419415
```

```
File - interval_pred6_goontrain_result00
4603 31.9589
4604 31.41342
4605 31.670893
4606 31.445814
4607 fmae per frame: 3000.9827
4608 2693.5994
4609 2787.693
4610 2979.0234
4611 3213.9204
4612 3142.7998
4613 3188.8608
4614 ssim per frame: 0.8506415
4615 0.8573324
4616 0.8614554
4617 0.8423241
4618 0.83295435
4619 0.8523401
4620 0.8574425
4621 sharpness per frame: 22.092804
4622 21.647728
4623 21. 34091
4624 24.40909
4625 22.829546
4626 20. 96591
4627 21.363636
4628 itr: 45100
4629 training loss: 4562.7344
4630 test...
4631 mse per seq: 683.3994588418441
4632 95.86764409325339
4633 99. 44579978422685
4634 111.00410218672319
4635 127. 04770421981812
4636 123.7996288429607
4637 126. 23457971486178
4638 psnr per frame: 31.933416
4639 32.595272
```

```
File - interval_pred6_goontrain_result00
4640 32.441036
4641 31. 983501
4642 31.441229
4643 31.683687
4644 31.455782
4645 fmae per frame: 3019.7637
4646 2712.6917
4647 2807.7463
4648 2998. 2344
4649 3231.6584
4650 3162.2764
4651 3205. 9749
4652 ssim per frame: 0.8506333
4653 0.8573467
4654 0.8614743
4655 0.84231496
4656 0.832968
4657 0.85229295
4658 0.857403
4659 sharpness per frame: 22.07197
4660 21. 522728
4661 21. 329546
4662 24.022728
4663 23. 318182
4664 20.795454
4665 21.443182
4666 itr: 45200
4667 training loss: 4896.4233
4668 test...
4669 mse per seq: 684.7778258973902
4670 95.75946738503195
4671 99. 22181172804399
4672 110. 98179192976518
4673 127. 50607841665095
4674 124. 47056594761935
4675 126.83811049027877
4676 psnr per frame: 31.857132
```

```
File - interval_pred6_goontrain_result00
4677 32.51355
4678 32.36699
4679 31.895702
4680 31.346163
4681 31.60428
4682 31.4161
4683 fmae per frame: 2988.363
4684 2678.758
4685 2770.7964
4686 2963.9624
4687 3204.247
4688 3137.989
4689 3174.4236
4690 ssim per frame: 0.8505821
4691 0.85733336
4692 0.8614781
4693 0.84242016
4694 0.8328788
4695 0.85211927
4696 0.85726285
4697 sharpness per frame: 22.05871
4698 21.71591
4699 21.488636
4700 23, 488636
4701 23.113636
4702 21.0
4703 21.545454
4704 itr: 45300
4705 training loss: 3995.5078
4706 test...
4707 ^CTraceback (most recent call last):
       File "/home/sunfengzhen/pycharm/seq12_goon_predrnnpp/
4708
     interval_pred6_goontrain_result00.py", line 381, in <module>
4709
         tf.app.run()
       File "/usr/local/lib/python2.7/dist-packages/tensorflow/
4710
     python/platform/app.py", line 125, in run
4711
      _sys.exit(main(argv))
```

```
File "/home/sunfengzhen/pycharm/seq12_goon_predrnnpp/
interval_pred6_goontrain_result00.py", line 285, in main

test_ims = test_input_handle.get_batch()

File "/home/sunfengzhen/pycharm/seq12_goon_predrnnpp/
data_provider/typhoon.py", line 67, in get_batch

input_batch[i, :self.current_input_length, :, :, :] =
data_slice #elesun , :, :, :]

KeyboardInterrupt

7717

Frocess finished with exit code 1

4719
```