

Lab2

November 30, 2023

1 AI Lab 2

2 Part 0: Preparation

In this part, we preprocess the data such that we can utilize it better. Some useful libraries is also loaded.

```
[1]: %load_ext autoreload
      %autoreload 2

      from Code.transformer_crf import TRANSFORMER_CRF
      from Code.hmm import HMM
      from Code.tools import better_organize
      from Code.crf import _
          ↪word2features, sent2features, sent2labels, sent2tokens, read_data
      import time, json, torch, tqdm
      import pycrfsuite
      import torch.optim as optim
      from NER.check import check
```

First we want to reorganize the given txt to jsonl files.

```
[2]: better_organize(path="NER/Chinese/train.txt", terminal_path="Chinese-train.
      ↪jsonl")
      better_organize(path="NER/English/train.txt", terminal_path="English-train.
      ↪jsonl")
      better_organize(path="NER/Chinese/validation.
      ↪txt", terminal_path="Chinese-validation.jsonl")
      better_organize(path="NER/English/validation.
      ↪txt", terminal_path="English-validation.jsonl")
```

3 Part 1: Hidden Markov Model

In this part, we implemented the hidden markov model. Utilizing it, we accomplish the NER mission. The detailed code can be find in `hmm.py`

```
[3]: h = HMM(path="English-train.jsonl")
      h.train()
      h.predict(path="English-validation.jsonl",tp="HMM_English_result.txt")

      h = HMM(path="Chinese-train.jsonl")
      h.train()
      h.predict(path="Chinese-validation.jsonl",tp="HMM_Chinese_result.txt")
```

3.0.1 English

```
[5]: check(language = "English", gold_path="NER/English/validation.txt",
      ↪my_path="HMM_English_result.txt")
```

	precision	recall	f1-score	support
B-PER	0.9601	0.6922	0.8044	1842
I-PER	0.9389	0.7643	0.8427	1307
B-ORG	0.7866	0.7450	0.7652	1341
I-ORG	0.8519	0.6431	0.7329	751
B-LOC	0.9131	0.8296	0.8694	1837
I-LOC	0.8597	0.7393	0.7950	257
B-MISC	0.9115	0.8048	0.8548	922
I-MISC	0.8429	0.6358	0.7249	346
micro avg	0.8941	0.7476	0.8143	8603
macro avg	0.8831	0.7318	0.7987	8603
weighted avg	0.8974	0.7476	0.8137	8603

3.0.2 Chinese

```
[6]: check(language = "Chinese", gold_path="NER/Chinese/validation.txt",
      ↪my_path="HMM_Chinese_result.txt")
```

	precision	recall	f1-score	support
B-NAME	0.8667	0.8922	0.8792	102
M-NAME	0.8333	0.8000	0.8163	75
E-NAME	0.7714	0.7941	0.7826	102
S-NAME	0.5000	0.7500	0.6000	8
B-CONT	0.9706	1.0000	0.9851	33
M-CONT	0.9846	1.0000	0.9922	64
E-CONT	0.9706	1.0000	0.9851	33
S-CONT	0.0000	0.0000	0.0000	0
B-EDU	0.9115	0.9717	0.9406	106
M-EDU	0.9255	0.9831	0.9534	177
E-EDU	0.9292	0.9906	0.9589	106
S-EDU	0.0000	0.0000	0.0000	0

B-TITLE	0.8253	0.8433	0.8342	689
M-TITLE	0.8521	0.8492	0.8507	1479
E-TITLE	0.9446	0.9652	0.9548	689
S-TITLE	0.0000	0.0000	0.0000	0
B-ORG	0.8469	0.8793	0.8628	522
M-ORG	0.8944	0.9072	0.9008	3622
E-ORG	0.7597	0.7874	0.7733	522
S-ORG	0.0000	0.0000	0.0000	0
B-RACE	0.9333	1.0000	0.9655	14
M-RACE	0.0000	0.0000	0.0000	0
E-RACE	0.9333	1.0000	0.9655	14
S-RACE	0.2500	1.0000	0.4000	1
B-PRO	0.3714	0.7222	0.4906	18
M-PRO	0.2787	0.5152	0.3617	33
E-PRO	0.4857	0.9444	0.6415	18
S-PRO	0.0000	0.0000	0.0000	0
B-LOC	0.4000	1.0000	0.5714	2
M-LOC	0.8571	1.0000	0.9231	6
E-LOC	0.4000	1.0000	0.5714	2
S-LOC	0.0000	0.0000	0.0000	0
micro avg	0.8652	0.8882	0.8765	8437
macro avg	0.5843	0.7061	0.6238	8437
weighted avg	0.8694	0.8882	0.8782	8437

4 Part 2: Conditional Random Field

In this part we use the established pytorch crf library `pycrfsuite` to train and inference.

4.0.1 English

```
[7]: sentences1 = read_data('NER/English/train.txt')
sentences2 = read_data('NER/English/validation.txt')
X_train = [sent2features(s) for s in sentences1]
y_train = [sent2labels(s) for s in sentences1]
X_test = [sent2features(s) for s in sentences2]
trainer = pycrfsuite.Trainer()

for xseq, yseq in zip(X_train, y_train):
    trainer.append(xseq, yseq)

trainer.set_params({
    'c1': 1.0,
    'c2': 1e-3,
    'max_iterations': 100000,
})
```

```

trainer.train('crf_eng.model')
tagger = pycrfsuite.Tagger()
tagger.open('crf_eng.model')
y_pred_eng = [tagger.tag(xseq) for xseq in X_test]
tagger.close()

def write_output(data_filename,output_filename,y_pred):
    with open(data_filename, 'r',encoding='utf-8') as file:
        lines = [line.strip() for line in file.readlines()]
        sentences = []
        sentence = []
        for line in lines:
            if line:
                word, tag = line.split()
                sentence.append((word, tag))
            else:
                if sentence: sentences.append(sentence)
                sentence = []
        with open(output_filename, 'w',encoding='utf-8') as file:
            for sentence,tags in zip(sentences,y_pred):
                words, _ = zip(*sentence)
                for word, tag in zip(words, tags):
                    file.write(f"{word} {tag}\n")
                file.write("\n")

write_output('NER/English/validation.txt', 'CRF_English_result.txt', y_pred_eng)

```

Feature generation

type: CRF1d

feature.minfreq: 0.000000

feature.possible_states: 0

feature.possible_transitions: 0

0...1...2...3...4...5...6...7...8...9...10

Number of features: 85356

Seconds required: 0.405

L-BFGS optimization

c1: 1.000000

c2: 0.001000

num_memories: 6

max_iterations: 100000

epsilon: 0.000010

stop: 10

delta: 0.000010

linesearch: MoreThuente

linesearch.max_iterations: 20

***** Iteration #1 *****
Loss: 251617.664099
Feature norm: 1.000000
Error norm: 166353.327271
Active features: 45427
Line search trials: 1
Line search step: 0.000005
Seconds required for this iteration: 0.340

***** Iteration #2 *****
Loss: 188534.778942
Feature norm: 3.001277
Error norm: 65893.646964
Active features: 44674
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.349

***** Iteration #3 *****
Loss: 158570.893995
Feature norm: 2.572491
Error norm: 51461.594024
Active features: 36781
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #4 *****
Loss: 138382.955962
Feature norm: 2.214173
Error norm: 52902.832665
Active features: 32453
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.346

***** Iteration #5 *****
Loss: 126840.246182
Feature norm: 2.557760
Error norm: 20775.489186
Active features: 32667
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #6 *****
Loss: 113184.559568
Feature norm: 3.190840

Error norm: 15813.084987
Active features: 30716
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #7 *****
Loss: 89990.531001
Feature norm: 5.250782
Error norm: 15602.545642
Active features: 27316
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #8 *****
Loss: 78797.748237
Feature norm: 6.182252
Error norm: 6832.318624
Active features: 26250
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #9 *****
Loss: 67395.381936
Feature norm: 8.554421
Error norm: 5035.266944
Active features: 25190
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #10 *****
Loss: 59373.694779
Feature norm: 11.948746
Error norm: 16392.570264
Active features: 22480
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #11 *****
Loss: 53670.378636
Feature norm: 12.822929
Error norm: 6285.752067
Active features: 23174
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #12 *****
Loss: 51211.423016
Feature norm: 13.926044
Error norm: 7051.674466
Active features: 22928
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #13 *****
Loss: 48606.424659
Feature norm: 15.149552
Error norm: 5672.541457
Active features: 22643
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #14 *****
Loss: 45846.138648
Feature norm: 16.441554
Error norm: 4542.419197
Active features: 22400
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #15 *****
Loss: 42994.045179
Feature norm: 18.764106
Error norm: 5665.846421
Active features: 21965
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #16 *****
Loss: 40306.404806
Feature norm: 20.447222
Error norm: 3345.849974
Active features: 21834
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #17 *****
Loss: 37342.124490
Feature norm: 23.163588
Error norm: 4711.703569
Active features: 21535
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #18 *****
Loss: 34764.388349
Feature norm: 27.325142
Error norm: 5757.646180
Active features: 21233
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #19 *****
Loss: 31936.595733
Feature norm: 30.420255
Error norm: 2762.101603
Active features: 20999
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #20 *****
Loss: 30175.915955
Feature norm: 33.209743
Error norm: 1463.329232
Active features: 20722
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.184

***** Iteration #21 *****
Loss: 28346.899029
Feature norm: 38.518908
Error norm: 3005.170378
Active features: 20103
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #22 *****
Loss: 26696.939434
Feature norm: 41.949479

Error norm: 2014.366453
Active features: 19609
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #23 *****
Loss: 25334.914842
Feature norm: 46.018103
Error norm: 2297.553566
Active features: 19178
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #24 *****
Loss: 23935.412016
Feature norm: 51.945473
Error norm: 2555.369212
Active features: 18612
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #25 *****
Loss: 22771.169302
Feature norm: 55.377280
Error norm: 721.643137
Active features: 18185
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.192

***** Iteration #26 *****
Loss: 21671.220529
Feature norm: 59.895311
Error norm: 945.208848
Active features: 17493
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.186

***** Iteration #27 *****
Loss: 20794.757801
Feature norm: 68.849928
Error norm: 2869.375131
Active features: 16436
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #28 *****
Loss: 19925.670610
Feature norm: 70.772459
Error norm: 993.030505
Active features: 16361
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.201

***** Iteration #29 *****
Loss: 19508.492393
Feature norm: 72.583042
Error norm: 656.255470
Active features: 16076
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.187

***** Iteration #30 *****
Loss: 18872.023376
Feature norm: 76.436196
Error norm: 910.358410
Active features: 15383
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #31 *****
Loss: 18196.748127
Feature norm: 80.481137
Error norm: 1230.184002
Active features: 14211
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #32 *****
Loss: 17737.223379
Feature norm: 82.985969
Error norm: 747.576791
Active features: 13606
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #33 *****
Loss: 17373.691769
Feature norm: 85.679877
Error norm: 389.486492
Active features: 13389
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #34 *****
Loss: 16969.897412
Feature norm: 90.710700
Error norm: 1085.226123
Active features: 12936
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #35 *****
Loss: 16735.740294
Feature norm: 94.291521
Error norm: 1518.654030
Active features: 12333
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #36 *****
Loss: 16554.467267
Feature norm: 95.019572
Error norm: 376.586263
Active features: 12320
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #37 *****
Loss: 16392.410305
Feature norm: 96.829518
Error norm: 479.399966
Active features: 12092
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #38 *****
Loss: 16186.524875
Feature norm: 99.537648

Error norm: 175.641833
Active features: 11527
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #39 *****
Loss: 15987.829295
Feature norm: 102.884666
Error norm: 443.727975
Active features: 10911
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #40 *****
Loss: 15943.424644
Feature norm: 104.260527
Error norm: 936.013733
Active features: 10785
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.336

***** Iteration #41 *****
Loss: 15834.031816
Feature norm: 105.393184
Error norm: 179.113341
Active features: 10695
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #42 *****
Loss: 15747.053395
Feature norm: 106.966238
Error norm: 418.370931
Active features: 10415
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #43 *****
Loss: 15660.827792
Feature norm: 108.348681
Error norm: 192.084678
Active features: 10102
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #44 *****
Loss: 15579.363481
Feature norm: 109.681424
Error norm: 540.967632
Active features: 9835
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #45 *****
Loss: 15529.007039
Feature norm: 111.149249
Error norm: 727.194868
Active features: 9588
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #46 *****
Loss: 15475.900957
Feature norm: 111.549638
Error norm: 139.927999
Active features: 9507
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #47 *****
Loss: 15436.215121
Feature norm: 112.179299
Error norm: 244.459706
Active features: 9391
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #48 *****
Loss: 15382.780733
Feature norm: 113.198495
Error norm: 155.053200
Active features: 9203
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #49 *****
Loss: 15339.531687
Feature norm: 114.173018
Error norm: 314.108967
Active features: 8927
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #50 *****
Loss: 15304.335044
Feature norm: 114.848275
Error norm: 269.325178
Active features: 8781
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #51 *****
Loss: 15269.518495
Feature norm: 115.846544
Error norm: 272.021783
Active features: 8645
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #52 *****
Loss: 15239.702471
Feature norm: 116.755564
Error norm: 188.058487
Active features: 8497
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #53 *****
Loss: 15215.222412
Feature norm: 117.597339
Error norm: 268.691181
Active features: 8334
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #54 *****
Loss: 15191.470671
Feature norm: 118.034708

Error norm: 144.007389
Active features: 8249
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #55 *****
Loss: 15169.051144
Feature norm: 118.759197
Error norm: 266.155813
Active features: 8111
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #56 *****
Loss: 15148.464990
Feature norm: 119.194778
Error norm: 262.796907
Active features: 8001
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.183

***** Iteration #57 *****
Loss: 15130.699360
Feature norm: 119.673193
Error norm: 220.137203
Active features: 7921
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #58 *****
Loss: 15113.647709
Feature norm: 119.938495
Error norm: 152.910815
Active features: 7838
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #59 *****
Loss: 15096.024617
Feature norm: 120.314064
Error norm: 222.439718
Active features: 7727
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #60 *****
Loss: 15083.487100
Feature norm: 120.665762
Error norm: 321.014376
Active features: 7627
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #61 *****
Loss: 15069.537385
Feature norm: 121.046125
Error norm: 267.516342
Active features: 7565
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #62 *****
Loss: 15056.824934
Feature norm: 121.205195
Error norm: 149.007054
Active features: 7529
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #63 *****
Loss: 15046.052632
Feature norm: 121.413928
Error norm: 177.602677
Active features: 7478
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.184

***** Iteration #64 *****
Loss: 15038.813961
Feature norm: 121.650664
Error norm: 346.554675
Active features: 7374
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.197

***** Iteration #65 *****
Loss: 15028.617829
Feature norm: 121.972009
Error norm: 341.558561
Active features: 7341
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.191

***** Iteration #66 *****
Loss: 15016.811848
Feature norm: 122.167667
Error norm: 259.441696
Active features: 7310
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.193

***** Iteration #67 *****
Loss: 15007.738220
Feature norm: 122.358347
Error norm: 217.106898
Active features: 7288
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.194

***** Iteration #68 *****
Loss: 15001.687013
Feature norm: 122.494519
Error norm: 220.636741
Active features: 7265
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #69 *****
Loss: 14995.331574
Feature norm: 122.642418
Error norm: 220.338224
Active features: 7248
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.192

***** Iteration #70 *****
Loss: 14990.221228
Feature norm: 122.796773

Error norm: 241.866077
Active features: 7220
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #71 *****
Loss: 14983.838315
Feature norm: 122.954216
Error norm: 212.030426
Active features: 7213
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #72 *****
Loss: 14979.249747
Feature norm: 123.076045
Error norm: 230.264325
Active features: 7194
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #73 *****
Loss: 14973.772232
Feature norm: 123.209737
Error norm: 198.654932
Active features: 7176
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #74 *****
Loss: 14969.654403
Feature norm: 123.320559
Error norm: 210.842112
Active features: 7153
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #75 *****
Loss: 14964.971689
Feature norm: 123.448085
Error norm: 181.840181
Active features: 7138
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #76 *****
Loss: 14961.526392
Feature norm: 123.544398
Error norm: 213.221537
Active features: 7117
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #77 *****
Loss: 14956.925628
Feature norm: 123.656920
Error norm: 171.113012
Active features: 7109
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #78 *****
Loss: 14954.255034
Feature norm: 123.756853
Error norm: 224.291297
Active features: 7103
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #79 *****
Loss: 14948.951362
Feature norm: 123.855277
Error norm: 160.385951
Active features: 7082
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.185

***** Iteration #80 *****
Loss: 14947.186246
Feature norm: 123.944814
Error norm: 238.812578
Active features: 7059
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #81 *****
Loss: 14941.480966
Feature norm: 124.045461
Error norm: 162.381968
Active features: 7042
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #82 *****
Loss: 14939.802545
Feature norm: 124.134499
Error norm: 236.833849
Active features: 7024
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #83 *****
Loss: 14934.179626
Feature norm: 124.227612
Error norm: 156.595198
Active features: 7017
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #84 *****
Loss: 14932.715843
Feature norm: 124.317867
Error norm: 233.067273
Active features: 7005
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #85 *****
Loss: 14927.299195
Feature norm: 124.409761
Error norm: 148.233133
Active features: 6991
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #86 *****
Loss: 14926.051575
Feature norm: 124.506094

Error norm: 224.757383
Active features: 6978
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.183

***** Iteration #87 *****
Loss: 14921.118009
Feature norm: 124.594344
Error norm: 140.052481
Active features: 6968
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #88 *****
Loss: 14919.929648
Feature norm: 124.691308
Error norm: 209.430041
Active features: 6962
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #89 *****
Loss: 14915.189447
Feature norm: 124.767492
Error norm: 136.549033
Active features: 6948
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #90 *****
Loss: 14914.323648
Feature norm: 124.854541
Error norm: 212.611782
Active features: 6933
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #91 *****
Loss: 14909.789791
Feature norm: 124.944208
Error norm: 144.648638
Active features: 6919
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #92 *****
Loss: 14908.368772
Feature norm: 125.029574
Error norm: 194.346191
Active features: 6900
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #93 *****
Loss: 14904.449707
Feature norm: 125.106281
Error norm: 152.944608
Active features: 6891
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #94 *****
Loss: 14902.951970
Feature norm: 125.195974
Error norm: 193.479349
Active features: 6890
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #95 *****
Loss: 14899.350120
Feature norm: 125.268579
Error norm: 159.235651
Active features: 6875
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #96 *****
Loss: 14897.624539
Feature norm: 125.361135
Error norm: 184.112198
Active features: 6862
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #97 *****
Loss: 14894.400250
Feature norm: 125.434761
Error norm: 156.461742
Active features: 6853
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.183

***** Iteration #98 *****
Loss: 14892.472744
Feature norm: 125.521810
Error norm: 174.409143
Active features: 6844
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #99 *****
Loss: 14889.567774
Feature norm: 125.591014
Error norm: 149.622542
Active features: 6842
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #100 *****
Loss: 14887.920073
Feature norm: 125.677283
Error norm: 174.641466
Active features: 6831
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #101 *****
Loss: 14884.989455
Feature norm: 125.742881
Error norm: 141.890307
Active features: 6825
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #102 *****
Loss: 14883.322789
Feature norm: 125.831470

Error norm: 167.830793
Active features: 6819
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #103 *****
Loss: 14880.514652
Feature norm: 125.898144
Error norm: 146.401937
Active features: 6808
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #104 *****
Loss: 14878.953192
Feature norm: 125.983985
Error norm: 166.295746
Active features: 6799
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #105 *****
Loss: 14876.331805
Feature norm: 126.056702
Error norm: 145.459081
Active features: 6792
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.195

***** Iteration #106 *****
Loss: 14874.640380
Feature norm: 126.131029
Error norm: 156.891681
Active features: 6768
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #107 *****
Loss: 14872.066343
Feature norm: 126.189442
Error norm: 134.480205
Active features: 6770
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #108 *****
Loss: 14870.704543
Feature norm: 126.260982
Error norm: 159.838881
Active features: 6761
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.184

***** Iteration #109 *****
Loss: 14868.225174
Feature norm: 126.318990
Error norm: 136.214089
Active features: 6751
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #110 *****
Loss: 14866.776559
Feature norm: 126.375904
Error norm: 152.926243
Active features: 6739
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #111 *****
Loss: 14864.527853
Feature norm: 126.430431
Error norm: 137.852474
Active features: 6730
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #112 *****
Loss: 14863.040609
Feature norm: 126.485888
Error norm: 151.519969
Active features: 6715
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #113 *****
Loss: 14860.762987
Feature norm: 126.536794
Error norm: 135.039083
Active features: 6703
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #114 *****
Loss: 14859.378281
Feature norm: 126.593259
Error norm: 153.520636
Active features: 6696
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.202

***** Iteration #115 *****
Loss: 14857.289279
Feature norm: 126.648803
Error norm: 142.100324
Active features: 6685
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #116 *****
Loss: 14855.802466
Feature norm: 126.701977
Error norm: 152.113888
Active features: 6669
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #117 *****
Loss: 14853.453720
Feature norm: 126.755525
Error norm: 124.710648
Active features: 6665
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #118 *****
Loss: 14852.327619
Feature norm: 126.807029

Error norm: 148.725085
Active features: 6655
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #119 *****
Loss: 14850.184087
Feature norm: 126.866073
Error norm: 125.870058
Active features: 6643
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #120 *****
Loss: 14849.021462
Feature norm: 126.915776
Error norm: 143.521395
Active features: 6631
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #121 *****
Loss: 14847.085182
Feature norm: 126.974421
Error norm: 127.939737
Active features: 6624
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #122 *****
Loss: 14845.781708
Feature norm: 127.023360
Error norm: 130.953388
Active features: 6623
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #123 *****
Loss: 14844.036180
Feature norm: 127.067204
Error norm: 122.861420
Active features: 6622
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #124 *****
Loss: 14842.828773
Feature norm: 127.111225
Error norm: 126.431342
Active features: 6615
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #125 *****
Loss: 14841.220702
Feature norm: 127.149565
Error norm: 119.417561
Active features: 6605
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #126 *****
Loss: 14839.898409
Feature norm: 127.188340
Error norm: 119.864227
Active features: 6589
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #127 *****
Loss: 14838.496364
Feature norm: 127.225428
Error norm: 125.675880
Active features: 6583
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #128 *****
Loss: 14837.281588
Feature norm: 127.267715
Error norm: 122.442908
Active features: 6572
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #129 *****
Loss: 14835.919091
Feature norm: 127.308430
Error norm: 128.517049
Active features: 6561
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #130 *****
Loss: 14834.619535
Feature norm: 127.346276
Error norm: 110.931870
Active features: 6560
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #131 *****
Loss: 14833.410250
Feature norm: 127.389338
Error norm: 118.823500
Active features: 6559
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #132 *****
Loss: 14832.238908
Feature norm: 127.425037
Error norm: 104.930024
Active features: 6549
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #133 *****
Loss: 14831.285441
Feature norm: 127.467456
Error norm: 124.465017
Active features: 6544
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #134 *****
Loss: 14829.993912
Feature norm: 127.506833

Error norm: 100.324359
Active features: 6532
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #135 *****
Loss: 14829.123378
Feature norm: 127.546117
Error norm: 124.881423
Active features: 6533
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #136 *****
Loss: 14827.767978
Feature norm: 127.584726
Error norm: 94.407891
Active features: 6527
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.195

***** Iteration #137 *****
Loss: 14826.998251
Feature norm: 127.623651
Error norm: 125.136363
Active features: 6520
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.192

***** Iteration #138 *****
Loss: 14825.596307
Feature norm: 127.659022
Error norm: 89.840666
Active features: 6515
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #139 *****
Loss: 14825.095181
Feature norm: 127.701616
Error norm: 137.091273
Active features: 6510
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #140 *****
Loss: 14823.451154
Feature norm: 127.738031
Error norm: 88.925598
Active features: 6509
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #141 *****
Loss: 14822.890632
Feature norm: 127.778555
Error norm: 133.800795
Active features: 6504
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #142 *****
Loss: 14821.335494
Feature norm: 127.817033
Error norm: 92.514618
Active features: 6499
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #143 *****
Loss: 14820.845337
Feature norm: 127.854834
Error norm: 138.154406
Active features: 6490
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #144 *****
Loss: 14819.168455
Feature norm: 127.895057
Error norm: 83.962276
Active features: 6482
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #145 *****
Loss: 14818.815634
Feature norm: 127.932552
Error norm: 138.180044
Active features: 6474
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #146 *****
Loss: 14817.112594
Feature norm: 127.974644
Error norm: 76.710425
Active features: 6466
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #147 *****
Loss: 14816.841242
Feature norm: 128.015078
Error norm: 137.242181
Active features: 6458
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #148 *****
Loss: 14815.175002
Feature norm: 128.056631
Error norm: 77.961219
Active features: 6459
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #149 *****
Loss: 14815.010534
Feature norm: 128.092638
Error norm: 143.247628
Active features: 6454
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #150 *****
Loss: 14813.262738
Feature norm: 128.140707

Error norm: 75.072749
Active features: 6443
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #151 *****
Loss: 14813.174818
Feature norm: 128.176913
Error norm: 141.605043
Active features: 6443
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #152 *****
Loss: 14811.414239
Feature norm: 128.223358
Error norm: 63.418871
Active features: 6445
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #153 *****
Loss: 14810.648800
Feature norm: 128.243516
Error norm: 43.797735
Active features: 6446
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.334

***** Iteration #154 *****
Loss: 14810.085397
Feature norm: 128.294929
Error norm: 104.676552
Active features: 6434
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #155 *****
Loss: 14809.373656
Feature norm: 128.348018
Error norm: 140.608664
Active features: 6435
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #156 *****
Loss: 14807.887218
Feature norm: 128.404976
Error norm: 105.178156
Active features: 6430
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #157 *****
Loss: 14807.258099
Feature norm: 128.448539
Error norm: 129.128568
Active features: 6428
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #158 *****
Loss: 14805.828866
Feature norm: 128.483758
Error norm: 75.186008
Active features: 6422
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #159 *****
Loss: 14805.372145
Feature norm: 128.511338
Error norm: 102.190823
Active features: 6420
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #160 *****
Loss: 14804.440615
Feature norm: 128.543153
Error norm: 74.646667
Active features: 6413
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #161 *****
Loss: 14803.989560
Feature norm: 128.571686
Error norm: 99.915542
Active features: 6395
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #162 *****
Loss: 14803.071618
Feature norm: 128.600771
Error norm: 73.734643
Active features: 6392
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #163 *****
Loss: 14802.716666
Feature norm: 128.624310
Error norm: 107.401687
Active features: 6387
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #164 *****
Loss: 14801.600233
Feature norm: 128.656629
Error norm: 73.267580
Active features: 6376
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #165 *****
Loss: 14801.412180
Feature norm: 128.688845
Error norm: 116.660063
Active features: 6374
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #166 *****
Loss: 14800.224944
Feature norm: 128.720680

Error norm: 74.057381
Active features: 6368
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #167 *****
Loss: 14799.954843
Feature norm: 128.748639
Error norm: 111.730991
Active features: 6366
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #168 *****
Loss: 14798.818720
Feature norm: 128.776290
Error norm: 63.705417
Active features: 6363
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.218

***** Iteration #169 *****
Loss: 14798.656667
Feature norm: 128.797946
Error norm: 113.338481
Active features: 6353
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #170 *****
Loss: 14797.556485
Feature norm: 128.828607
Error norm: 67.170690
Active features: 6351
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #171 *****
Loss: 14797.414669
Feature norm: 128.850073
Error norm: 120.085395
Active features: 6349
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #172 *****
Loss: 14796.207619
Feature norm: 128.883366
Error norm: 64.980427
Active features: 6348
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #173 *****
Loss: 14796.127554
Feature norm: 128.917085
Error norm: 122.868421
Active features: 6339
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #174 *****
Loss: 14794.901449
Feature norm: 128.947588
Error norm: 60.178037
Active features: 6334
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #175 *****
Loss: 14794.854307
Feature norm: 128.980179
Error norm: 114.121378
Active features: 6330
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #176 *****
Loss: 14793.756445
Feature norm: 129.004284
Error norm: 47.554668
Active features: 6329
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #177 *****
Loss: 14793.729898
Feature norm: 129.031731
Error norm: 108.666389
Active features: 6333
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #178 *****
Loss: 14792.776232
Feature norm: 129.059815
Error norm: 51.383826
Active features: 6325
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #179 *****
Loss: 14792.292672
Feature norm: 129.073644
Error norm: 35.754028
Active features: 6319
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.338

***** Iteration #180 *****
Loss: 14792.224981
Feature norm: 129.109504
Error norm: 103.263020
Active features: 6313
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #181 *****
Loss: 14791.493427
Feature norm: 129.141446
Error norm: 92.750133
Active features: 6306
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #182 *****
Loss: 14790.932161
Feature norm: 129.181989

Error norm: 94.420248
Active features: 6306
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #183 *****
Loss: 14790.158365
Feature norm: 129.210166
Error norm: 75.733893
Active features: 6294
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.185

***** Iteration #184 *****
Loss: 14789.795275
Feature norm: 129.243957
Error norm: 86.958992
Active features: 6292
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #185 *****
Loss: 14789.132581
Feature norm: 129.271427
Error norm: 68.106975
Active features: 6288
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #186 *****
Loss: 14788.768638
Feature norm: 129.302440
Error norm: 77.973957
Active features: 6283
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #187 *****
Loss: 14788.157672
Feature norm: 129.322491
Error norm: 62.423009
Active features: 6280
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #188 *****
Loss: 14787.880717
Feature norm: 129.351419
Error norm: 82.004704
Active features: 6275
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #189 *****
Loss: 14787.354061
Feature norm: 129.374078
Error norm: 72.893854
Active features: 6274
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #190 *****
Loss: 14786.949492
Feature norm: 129.402037
Error norm: 78.727878
Active features: 6271
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #191 *****
Loss: 14786.446079
Feature norm: 129.419247
Error norm: 71.703376
Active features: 6269
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #192 *****
Loss: 14786.013001
Feature norm: 129.443290
Error norm: 70.827707
Active features: 6264
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #193 *****
Loss: 14785.606468
Feature norm: 129.459182
Error norm: 72.218124
Active features: 6258
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #194 *****
Loss: 14785.166857
Feature norm: 129.480872
Error norm: 68.536103
Active features: 6252
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #195 *****
Loss: 14784.828487
Feature norm: 129.498375
Error norm: 74.713881
Active features: 6244
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #196 *****
Loss: 14784.376536
Feature norm: 129.522737
Error norm: 66.052259
Active features: 6240
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #197 *****
Loss: 14784.039985
Feature norm: 129.541137
Error norm: 72.018520
Active features: 6238
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #198 *****
Loss: 14783.632975
Feature norm: 129.565876

Error norm: 64.557477
Active features: 6232
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #199 *****
Loss: 14783.301690
Feature norm: 129.583424
Error norm: 68.302796
Active features: 6231
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.199

***** Iteration #200 *****
Loss: 14782.880164
Feature norm: 129.604767
Error norm: 52.289915
Active features: 6233
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.190

***** Iteration #201 *****
Loss: 14782.675657
Feature norm: 129.623703
Error norm: 71.273302
Active features: 6232
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #202 *****
Loss: 14782.218042
Feature norm: 129.646793
Error norm: 48.117823
Active features: 6228
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #203 *****
Loss: 14782.083474
Feature norm: 129.667643
Error norm: 73.837975
Active features: 6227
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #204 *****
Loss: 14781.616141
Feature norm: 129.690987
Error norm: 46.589027
Active features: 6222
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #205 *****
Loss: 14781.462237
Feature norm: 129.709755
Error norm: 71.081815
Active features: 6221
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #206 *****
Loss: 14781.018649
Feature norm: 129.734164
Error norm: 47.423771
Active features: 6223
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #207 *****
Loss: 14780.923011
Feature norm: 129.753881
Error norm: 77.208977
Active features: 6217
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #208 *****
Loss: 14780.413503
Feature norm: 129.778848
Error norm: 46.402869
Active features: 6217
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #209 *****
Loss: 14780.333338
Feature norm: 129.796031
Error norm: 77.536616
Active features: 6212
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #210 *****
Loss: 14779.832023
Feature norm: 129.817884
Error norm: 44.720950
Active features: 6208
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #211 *****
Loss: 14779.757630
Feature norm: 129.834519
Error norm: 75.567964
Active features: 6203
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #212 *****
Loss: 14779.226701
Feature norm: 129.852227
Error norm: 39.489604
Active features: 6202
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #213 *****
Loss: 14779.016939
Feature norm: 129.866547
Error norm: 66.770926
Active features: 6199
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #214 *****
Loss: 14778.673062
Feature norm: 129.884694

Error norm: 53.024051
Active features: 6196
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #215 *****
Loss: 14778.529606
Feature norm: 129.905622
Error norm: 85.297490
Active features: 6195
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #216 *****
Loss: 14778.024021
Feature norm: 129.928222
Error norm: 53.155292
Active features: 6193
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #217 *****
Loss: 14777.870671
Feature norm: 129.944916
Error norm: 83.032408
Active features: 6187
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #218 *****
Loss: 14777.353204
Feature norm: 129.966916
Error norm: 44.846439
Active features: 6187
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #219 *****
Loss: 14777.300388
Feature norm: 129.987331
Error norm: 83.173544
Active features: 6182
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #220 *****
Loss: 14776.760631
Feature norm: 130.008405
Error norm: 37.509536
Active features: 6183
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #221 *****
Loss: 14776.710707
Feature norm: 130.027948
Error norm: 74.579266
Active features: 6183
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #222 *****
Loss: 14776.228846
Feature norm: 130.043654
Error norm: 38.131153
Active features: 6177
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.162

***** Iteration #223 *****
Loss: 14776.000113
Feature norm: 130.052261
Error norm: 23.787077
Active features: 6181
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.333

***** Iteration #224 *****
Loss: 14775.961004
Feature norm: 130.074714
Error norm: 77.443966
Active features: 6177
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #225 *****
Loss: 14775.570902
Feature norm: 130.100204
Error norm: 65.044118
Active features: 6175
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.163

***** Iteration #226 *****
Loss: 14775.277103
Feature norm: 130.123889
Error norm: 68.893714
Active features: 6178
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #227 *****
Loss: 14774.973374
Feature norm: 130.146236
Error norm: 60.912631
Active features: 6174
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #228 *****
Loss: 14774.667408
Feature norm: 130.167647
Error norm: 56.348407
Active features: 6167
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.184

***** Iteration #229 *****
Loss: 14774.360593
Feature norm: 130.189081
Error norm: 47.503893
Active features: 6164
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #230 *****
Loss: 14774.201534
Feature norm: 130.210171

Error norm: 57.139880
Active features: 6159
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #231 *****
Loss: 14773.934045
Feature norm: 130.227171
Error norm: 52.679664
Active features: 6159
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #232 *****
Loss: 14773.729597
Feature norm: 130.250556
Error norm: 57.178249
Active features: 6155
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #233 *****
Loss: 14773.499942
Feature norm: 130.271549
Error norm: 57.558199
Active features: 6154
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #234 *****
Loss: 14773.263085
Feature norm: 130.295847
Error norm: 54.030212
Active features: 6151
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #235 *****
Loss: 14773.042880
Feature norm: 130.312816
Error norm: 53.954114
Active features: 6150
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #236 *****
Loss: 14772.788890
Feature norm: 130.335495
Error norm: 46.810549
Active features: 6148
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #237 *****
Loss: 14772.647205
Feature norm: 130.352323
Error norm: 55.789565
Active features: 6146
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #238 *****
Loss: 14772.374247
Feature norm: 130.371394
Error norm: 45.158996
Active features: 6144
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #239 *****
Loss: 14772.264873
Feature norm: 130.389242
Error norm: 60.811889
Active features: 6144
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #240 *****
Loss: 14771.945346
Feature norm: 130.407622
Error norm: 43.916003
Active features: 6135
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #241 *****
Loss: 14771.828488
Feature norm: 130.423296
Error norm: 59.291892
Active features: 6133
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #242 *****
Loss: 14771.538394
Feature norm: 130.444155
Error norm: 41.644274
Active features: 6134
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #243 *****
Loss: 14771.459524
Feature norm: 130.460646
Error norm: 61.082505
Active features: 6133
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #244 *****
Loss: 14771.139798
Feature norm: 130.474460
Error norm: 36.548524
Active features: 6129
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #245 *****
Loss: 14771.056438
Feature norm: 130.487426
Error norm: 57.989834
Active features: 6125
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #246 *****
Loss: 14770.789394
Feature norm: 130.502690

Error norm: 41.838331
Active features: 6123
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #247 *****
Loss: 14770.696784
Feature norm: 130.516461
Error norm: 60.206649
Active features: 6120
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #248 *****
Loss: 14770.425544
Feature norm: 130.532166
Error norm: 37.459690
Active features: 6118
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #249 *****
Loss: 14770.303065
Feature norm: 130.544510
Error norm: 50.300783
Active features: 6116
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #250 *****
Loss: 14770.062282
Feature norm: 130.559643
Error norm: 36.197004
Active features: 6115
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #251 *****
Loss: 14770.019052
Feature norm: 130.573224
Error norm: 61.203452
Active features: 6109
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #252 *****
Loss: 14769.744392
Feature norm: 130.588962
Error norm: 40.726744
Active features: 6105
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #253 *****
Loss: 14769.673811
Feature norm: 130.603646
Error norm: 61.263333
Active features: 6101
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #254 *****
Loss: 14769.388565
Feature norm: 130.617655
Error norm: 38.438168
Active features: 6101
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #255 *****
Loss: 14769.322460
Feature norm: 130.635277
Error norm: 59.899117
Active features: 6100
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #256 *****
Loss: 14769.047589
Feature norm: 130.648884
Error norm: 36.259203
Active features: 6100
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #257 *****
Loss: 14768.972639
Feature norm: 130.665230
Error norm: 56.215846
Active features: 6097
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #258 *****
Loss: 14768.720059
Feature norm: 130.679250
Error norm: 34.302458
Active features: 6097
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #259 *****
Loss: 14768.667895
Feature norm: 130.694843
Error norm: 57.993187
Active features: 6098
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #260 *****
Loss: 14768.402282
Feature norm: 130.710620
Error norm: 37.497811
Active features: 6098
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #261 *****
Loss: 14768.349205
Feature norm: 130.729756
Error norm: 59.827713
Active features: 6094
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #262 *****
Loss: 14768.067255
Feature norm: 130.743730

Error norm: 30.900828
Active features: 6094
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #263 *****
Loss: 14768.002144
Feature norm: 130.762038
Error norm: 53.927919
Active features: 6092
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #264 *****
Loss: 14767.782210
Feature norm: 130.777831
Error norm: 34.426000
Active features: 6089
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #265 *****
Loss: 14767.734584
Feature norm: 130.797325
Error norm: 53.796691
Active features: 6089
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #266 *****
Loss: 14767.506007
Feature norm: 130.812419
Error norm: 33.779468
Active features: 6087
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #267 *****
Loss: 14767.462467
Feature norm: 130.830786
Error norm: 51.513825
Active features: 6087
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #268 *****
Loss: 14767.244492
Feature norm: 130.845596
Error norm: 33.751460
Active features: 6084
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #269 *****
Loss: 14767.186023
Feature norm: 130.864920
Error norm: 50.238688
Active features: 6081
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #270 *****
Loss: 14766.975832
Feature norm: 130.880489
Error norm: 33.021472
Active features: 6081
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #271 *****
Loss: 14766.918885
Feature norm: 130.899828
Error norm: 49.939759
Active features: 6079
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.195

***** Iteration #272 *****
Loss: 14766.706642
Feature norm: 130.908936
Error norm: 33.892814
Active features: 6081
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #273 *****
Loss: 14766.656842
Feature norm: 130.930814
Error norm: 52.272614
Active features: 6078
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #274 *****
Loss: 14766.424294
Feature norm: 130.941735
Error norm: 34.043781
Active features: 6078
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #275 *****
Loss: 14766.381067
Feature norm: 130.967061
Error norm: 53.237404
Active features: 6074
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #276 *****
Loss: 14766.138341
Feature norm: 130.977282
Error norm: 34.697599
Active features: 6073
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #277 *****
Loss: 14766.112333
Feature norm: 131.001771
Error norm: 56.012603
Active features: 6070
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #278 *****
Loss: 14765.854045
Feature norm: 131.014035

Error norm: 32.593055
Active features: 6070
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #279 *****
Loss: 14765.838975
Feature norm: 131.030712
Error norm: 56.320786
Active features: 6069
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #280 *****
Loss: 14765.553505
Feature norm: 131.042644
Error norm: 25.758369
Active features: 6069
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #281 *****
Loss: 14765.534961
Feature norm: 131.053256
Error norm: 55.180533
Active features: 6065
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #282 *****
Loss: 14765.285850
Feature norm: 131.064644
Error norm: 27.365946
Active features: 6064
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.185

***** Iteration #283 *****
Loss: 14765.155199
Feature norm: 131.070374
Error norm: 18.264554
Active features: 6062
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.327

***** Iteration #284 *****
Loss: 14765.051851
Feature norm: 131.076813
Error norm: 22.216399
Active features: 6062
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.331

***** Iteration #285 *****
Loss: 14764.926953
Feature norm: 131.087250
Error norm: 29.709533
Active features: 6054
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.355

***** Iteration #286 *****
Loss: 14764.783768
Feature norm: 131.099572
Error norm: 31.739738
Active features: 6053
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.340

***** Iteration #287 *****
Loss: 14764.654510
Feature norm: 131.110053
Error norm: 37.155103
Active features: 6053
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.330

***** Iteration #288 *****
Loss: 14764.475253
Feature norm: 131.122302
Error norm: 28.944991
Active features: 6052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.345

***** Iteration #289 *****
Loss: 14764.340860
Feature norm: 131.130919
Error norm: 32.887406
Active features: 6052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.350

***** Iteration #290 *****
Loss: 14764.167575
Feature norm: 131.143560
Error norm: 25.811513
Active features: 6045
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.384

***** Iteration #291 *****
Loss: 14764.033249
Feature norm: 131.155371
Error norm: 30.986147
Active features: 6045
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.333

***** Iteration #292 *****
Loss: 14763.891578
Feature norm: 131.167605
Error norm: 24.775785
Active features: 6043
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.336

***** Iteration #293 *****
Loss: 14763.763097
Feature norm: 131.181687
Error norm: 30.090398
Active features: 6040
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.326

***** Iteration #294 *****
Loss: 14763.617349
Feature norm: 131.194436

Error norm: 23.073756
Active features: 6038
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.346

***** Iteration #295 *****
Loss: 14763.501073
Feature norm: 131.207232
Error norm: 31.457966
Active features: 6038
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.332

***** Iteration #296 *****
Loss: 14763.343300
Feature norm: 131.224376
Error norm: 22.071976
Active features: 6029
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.332

***** Iteration #297 *****
Loss: 14763.217388
Feature norm: 131.237133
Error norm: 24.602909
Active features: 6031
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.332

***** Iteration #298 *****
Loss: 14763.196966
Feature norm: 131.261733
Error norm: 56.915309
Active features: 6029
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #299 *****
Loss: 14762.883604
Feature norm: 131.282070
Error norm: 36.353934
Active features: 6027
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #300 *****
Loss: 14762.822800
Feature norm: 131.306178
Error norm: 51.582381
Active features: 6026
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #301 *****
Loss: 14762.542015
Feature norm: 131.323768
Error norm: 34.374615
Active features: 6022
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #302 *****
Loss: 14762.434319
Feature norm: 131.334815
Error norm: 40.035100
Active features: 6019
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #303 *****
Loss: 14762.257155
Feature norm: 131.347381
Error norm: 36.035106
Active features: 6018
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #304 *****
Loss: 14762.142057
Feature norm: 131.361276
Error norm: 40.284428
Active features: 6014
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #305 *****
Loss: 14761.970513
Feature norm: 131.374356
Error norm: 37.984725
Active features: 6012
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #306 *****
Loss: 14761.865501
Feature norm: 131.386931
Error norm: 41.293088
Active features: 6011
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #307 *****
Loss: 14761.697495
Feature norm: 131.403560
Error norm: 40.913263
Active features: 6005
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #308 *****
Loss: 14761.554952
Feature norm: 131.414729
Error norm: 37.241674
Active features: 6003
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #309 *****
Loss: 14761.427725
Feature norm: 131.427459
Error norm: 41.476768
Active features: 6000
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.163

***** Iteration #310 *****
Loss: 14761.268185
Feature norm: 131.437751

Error norm: 34.668032
Active features: 6000
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #311 *****
Loss: 14761.162375
Feature norm: 131.448416
Error norm: 42.460806
Active features: 6000
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #312 *****
Loss: 14761.006214
Feature norm: 131.458790
Error norm: 33.880892
Active features: 5997
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.162

***** Iteration #313 *****
Loss: 14760.871298
Feature norm: 131.470808
Error norm: 39.904535
Active features: 6001
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #314 *****
Loss: 14760.737659
Feature norm: 131.480726
Error norm: 33.013736
Active features: 5997
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #315 *****
Loss: 14760.663746
Feature norm: 131.492714
Error norm: 44.759671
Active features: 5999
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #316 *****
Loss: 14760.473804
Feature norm: 131.502488
Error norm: 31.670424
Active features: 5997
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.162

***** Iteration #317 *****
Loss: 14760.396612
Feature norm: 131.515212
Error norm: 42.629727
Active features: 5994
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #318 *****
Loss: 14760.227345
Feature norm: 131.527064
Error norm: 31.518913
Active features: 5992
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #319 *****
Loss: 14760.157865
Feature norm: 131.538888
Error norm: 42.693044
Active features: 5987
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #320 *****
Loss: 14759.953005
Feature norm: 131.549518
Error norm: 22.252666
Active features: 5984
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #321 *****
Loss: 14759.923133
Feature norm: 131.559247
Error norm: 43.480584
Active features: 5983
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.162

***** Iteration #322 *****
Loss: 14759.733216
Feature norm: 131.567733
Error norm: 12.244936
Active features: 5985
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #323 *****
Loss: 14759.720303
Feature norm: 131.579525
Error norm: 39.228220
Active features: 5990
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #324 *****
Loss: 14759.575653
Feature norm: 131.587734
Error norm: 23.224630
Active features: 5988
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.162

***** Iteration #325 *****
Loss: 14759.537933
Feature norm: 131.600872
Error norm: 37.588893
Active features: 5987
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #326 *****
Loss: 14759.394682
Feature norm: 131.610997

Error norm: 24.904535
Active features: 5983
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.184

***** Iteration #327 *****
Loss: 14759.335641
Feature norm: 131.614444
Error norm: 21.460175
Active features: 5988
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #328 *****
Loss: 14759.252640
Feature norm: 131.620885
Error norm: 11.025992
Active features: 5988
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #329 *****
Loss: 14759.174344
Feature norm: 131.625162
Error norm: 20.627787
Active features: 5982
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #330 *****
Loss: 14759.068500
Feature norm: 131.641317
Error norm: 32.935680
Active features: 5980
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #331 *****
Loss: 14759.037056
Feature norm: 131.649673
Error norm: 47.789453
Active features: 5969
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #332 *****
Loss: 14758.880290
Feature norm: 131.670735
Error norm: 38.812564
Active features: 5969
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #333 *****
Loss: 14758.710759
Feature norm: 131.676508
Error norm: 32.079210
Active features: 5965
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #334 *****
Loss: 14758.586446
Feature norm: 131.688597
Error norm: 24.305335
Active features: 5965
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #335 *****
Loss: 14758.494366
Feature norm: 131.692476
Error norm: 23.637181
Active features: 5966
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.163

***** Iteration #336 *****
Loss: 14758.394739
Feature norm: 131.701981
Error norm: 21.227941
Active features: 5963
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #337 *****
Loss: 14758.307764
Feature norm: 131.707933
Error norm: 26.912959
Active features: 5959
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #338 *****
Loss: 14758.237490
Feature norm: 131.718747
Error norm: 31.476259
Active features: 5954
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #339 *****
Loss: 14758.159920
Feature norm: 131.724799
Error norm: 35.289089
Active features: 5951
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #340 *****
Loss: 14758.024950
Feature norm: 131.737373
Error norm: 30.713163
Active features: 5954
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #341 *****
Loss: 14757.938510
Feature norm: 131.744113
Error norm: 32.379704
Active features: 5950
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.191

***** Iteration #342 *****
Loss: 14757.807770
Feature norm: 131.754367

Error norm: 21.128732
Active features: 5951
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.203

***** Iteration #343 *****
Loss: 14757.717366
Feature norm: 131.757252
Error norm: 15.791189
Active features: 5950
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #344 *****
Loss: 14757.644661
Feature norm: 131.761263
Error norm: 19.403951
Active features: 5948
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.183

***** Iteration #345 *****
Loss: 14757.605267
Feature norm: 131.766501
Error norm: 34.917995
Active features: 5947
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #346 *****
Loss: 14757.462557
Feature norm: 131.773790
Error norm: 27.935317
Active features: 5945
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #347 *****
Loss: 14757.414919
Feature norm: 131.781366
Error norm: 37.521801
Active features: 5941
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #348 *****
Loss: 14757.247501
Feature norm: 131.785264
Error norm: 24.360461
Active features: 5940
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #349 *****
Loss: 14757.157651
Feature norm: 131.791032
Error norm: 27.411413
Active features: 5937
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #350 *****
Loss: 14757.068961
Feature norm: 131.794454
Error norm: 28.310903
Active features: 5933
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #351 *****
Loss: 14756.987781
Feature norm: 131.798649
Error norm: 31.070565
Active features: 5933
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #352 *****
Loss: 14756.871816
Feature norm: 131.801628
Error norm: 22.470913
Active features: 5932
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #353 *****
Loss: 14756.807097
Feature norm: 131.805572
Error norm: 28.282614
Active features: 5935
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #354 *****
Loss: 14756.719846
Feature norm: 131.807329
Error norm: 22.697371
Active features: 5934
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #355 *****
Loss: 14756.657179
Feature norm: 131.810768
Error norm: 28.549487
Active features: 5935
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #356 *****
Loss: 14756.554153
Feature norm: 131.812777
Error norm: 20.679253
Active features: 5937
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #357 *****
Loss: 14756.516084
Feature norm: 131.819988
Error norm: 31.382742
Active features: 5935
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #358 *****
Loss: 14756.405009
Feature norm: 131.820760

Error norm: 20.575184
Active features: 5934
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #359 *****
Loss: 14756.357854
Feature norm: 131.827098
Error norm: 29.955844
Active features: 5934
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #360 *****
Loss: 14756.262676
Feature norm: 131.829154
Error norm: 22.765334
Active features: 5927
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #361 *****
Loss: 14756.226557
Feature norm: 131.834418
Error norm: 31.471661
Active features: 5926
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #362 *****
Loss: 14756.114287
Feature norm: 131.838107
Error norm: 18.769390
Active features: 5924
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #363 *****
Loss: 14756.076384
Feature norm: 131.843112
Error norm: 28.649797
Active features: 5922
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.193

***** Iteration #364 *****
Loss: 14755.979788
Feature norm: 131.843928
Error norm: 19.861293
Active features: 5919
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.208

***** Iteration #365 *****
Loss: 14755.945285
Feature norm: 131.849922
Error norm: 28.755906
Active features: 5914
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #366 *****
Loss: 14755.844458
Feature norm: 131.849797
Error norm: 19.621080
Active features: 5914
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #367 *****
Loss: 14755.819720
Feature norm: 131.852361
Error norm: 30.411789
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.164

***** Iteration #368 *****
Loss: 14755.717329
Feature norm: 131.852094
Error norm: 21.098210
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #369 *****
Loss: 14755.692345
Feature norm: 131.857127
Error norm: 31.763331
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.165

***** Iteration #370 *****
Loss: 14755.583303
Feature norm: 131.856754
Error norm: 20.835087
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #371 *****
Loss: 14755.562383
Feature norm: 131.862080
Error norm: 32.191420
Active features: 5911
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #372 *****
Loss: 14755.444808
Feature norm: 131.862266
Error norm: 18.094772
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #373 *****
Loss: 14755.433888
Feature norm: 131.867099
Error norm: 31.767545
Active features: 5913
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #374 *****
Loss: 14755.318917
Feature norm: 131.868279

Error norm: 15.925338
Active features: 5911
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #375 *****
Loss: 14755.306094
Feature norm: 131.874059
Error norm: 30.714410
Active features: 5911
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #376 *****
Loss: 14755.189878
Feature norm: 131.874427
Error norm: 15.330889
Active features: 5910
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #377 *****
Loss: 14755.135391
Feature norm: 131.876970
Error norm: 11.063432
Active features: 5913
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.365

***** Iteration #378 *****
Loss: 14755.086775
Feature norm: 131.883740
Error norm: 24.471697
Active features: 5915
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #379 *****
Loss: 14755.083811
Feature norm: 131.885026
Error norm: 39.583435
Active features: 5917
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #380 *****
Loss: 14754.911353
Feature norm: 131.893689
Error norm: 24.750063
Active features: 5918
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #381 *****
Loss: 14754.908453
Feature norm: 131.895787
Error norm: 36.820896
Active features: 5917
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #382 *****
Loss: 14754.744674
Feature norm: 131.900625
Error norm: 21.723166
Active features: 5918
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #383 *****
Loss: 14754.713814
Feature norm: 131.907075
Error norm: 28.755973
Active features: 5921
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #384 *****
Loss: 14754.607754
Feature norm: 131.910689
Error norm: 22.859148
Active features: 5920
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #385 *****
Loss: 14754.556196
Feature norm: 131.912803
Error norm: 24.498297
Active features: 5921
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #386 *****
Loss: 14754.481750
Feature norm: 131.919836
Error norm: 24.880189
Active features: 5920
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #387 *****
Loss: 14754.434781
Feature norm: 131.922004
Error norm: 26.466580
Active features: 5919
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #388 *****
Loss: 14754.353817
Feature norm: 131.927742
Error norm: 25.398504
Active features: 5917
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #389 *****
Loss: 14754.283940
Feature norm: 131.929272
Error norm: 24.319839
Active features: 5916
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #390 *****
Loss: 14754.219939
Feature norm: 131.934794

Error norm: 26.093591
Active features: 5912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #391 *****
Loss: 14754.145933
Feature norm: 131.936421
Error norm: 24.100964
Active features: 5910
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #392 *****
Loss: 14754.078679
Feature norm: 131.942244
Error norm: 21.992691
Active features: 5911
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #393 *****
Loss: 14754.022788
Feature norm: 131.944012
Error norm: 24.017144
Active features: 5908
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #394 *****
Loss: 14753.949190
Feature norm: 131.950125
Error norm: 19.201160
Active features: 5907
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.212

***** Iteration #395 *****
Loss: 14753.907814
Feature norm: 131.952950
Error norm: 25.653529
Active features: 5908
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #396 *****
Loss: 14753.825160
Feature norm: 131.959167
Error norm: 20.246319
Active features: 5909
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #397 *****
Loss: 14753.806090
Feature norm: 131.963247
Error norm: 31.173260
Active features: 5909
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #398 *****
Loss: 14753.682073
Feature norm: 131.968883
Error norm: 18.856865
Active features: 5906
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #399 *****
Loss: 14753.660565
Feature norm: 131.973415
Error norm: 29.985467
Active features: 5904
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #400 *****
Loss: 14753.540829
Feature norm: 131.977459
Error norm: 19.751185
Active features: 5903
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #401 *****
Loss: 14753.526450
Feature norm: 131.982883
Error norm: 31.328028
Active features: 5903
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #402 *****
Loss: 14753.395030
Feature norm: 131.986827
Error norm: 20.036405
Active features: 5901
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #403 *****
Loss: 14753.374190
Feature norm: 131.992440
Error norm: 30.752932
Active features: 5900
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #404 *****
Loss: 14753.246733
Feature norm: 131.997803
Error norm: 22.958195
Active features: 5901
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #405 *****
Loss: 14753.215242
Feature norm: 132.003447
Error norm: 31.973496
Active features: 5900
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #406 *****
Loss: 14753.085339
Feature norm: 132.008688

Error norm: 22.629155
Active features: 5903
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.190

***** Iteration #407 *****
Loss: 14753.056175
Feature norm: 132.015494
Error norm: 31.369037
Active features: 5904
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #408 *****
Loss: 14752.932098
Feature norm: 132.019829
Error norm: 21.850821
Active features: 5906
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #409 *****
Loss: 14752.891841
Feature norm: 132.024879
Error norm: 29.051172
Active features: 5905
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #410 *****
Loss: 14752.784232
Feature norm: 132.029433
Error norm: 22.109489
Active features: 5905
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #411 *****
Loss: 14752.757347
Feature norm: 132.035433
Error norm: 29.607095
Active features: 5905
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #412 *****
Loss: 14752.643858
Feature norm: 132.039894
Error norm: 18.596095
Active features: 5906
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #413 *****
Loss: 14752.616787
Feature norm: 132.046105
Error norm: 24.950856
Active features: 5906
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #414 *****
Loss: 14752.532201
Feature norm: 132.049920
Error norm: 18.099996
Active features: 5905
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.205

***** Iteration #415 *****
Loss: 14752.515725
Feature norm: 132.057630
Error norm: 26.264173
Active features: 5905
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #416 *****
Loss: 14752.427539
Feature norm: 132.061142
Error norm: 19.177365
Active features: 5904
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #417 *****
Loss: 14752.403070
Feature norm: 132.068616
Error norm: 25.353172
Active features: 5903
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #418 *****
Loss: 14752.324191
Feature norm: 132.072961
Error norm: 19.279661
Active features: 5903
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.168

***** Iteration #419 *****
Loss: 14752.294577
Feature norm: 132.081297
Error norm: 24.888392
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.167

***** Iteration #420 *****
Loss: 14752.219713
Feature norm: 132.084784
Error norm: 18.240174
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.166

***** Iteration #421 *****
Loss: 14752.188409
Feature norm: 132.092687
Error norm: 24.383993
Active features: 5896
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #422 *****
Loss: 14752.111918
Feature norm: 132.095510

Error norm: 15.585620
Active features: 5895
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.198

***** Iteration #423 *****
Loss: 14752.083454
Feature norm: 132.101572
Error norm: 19.338966
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.196

***** Iteration #424 *****
Loss: 14752.032674
Feature norm: 132.103259
Error norm: 11.473561
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #425 *****
Loss: 14752.007112
Feature norm: 132.110354
Error norm: 21.067591
Active features: 5898
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #426 *****
Loss: 14751.968639
Feature norm: 132.112881
Error norm: 17.894195
Active features: 5898
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #427 *****
Loss: 14751.954689
Feature norm: 132.121317
Error norm: 26.294650
Active features: 5896
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #428 *****
Loss: 14751.876031
Feature norm: 132.124122
Error norm: 16.405783
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #429 *****
Loss: 14751.870331
Feature norm: 132.129974
Error norm: 26.280975
Active features: 5898
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #430 *****
Loss: 14751.787077
Feature norm: 132.133951
Error norm: 13.813284
Active features: 5897
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #431 *****
Loss: 14751.777521
Feature norm: 132.139508
Error norm: 23.954236
Active features: 5895
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #432 *****
Loss: 14751.703062
Feature norm: 132.142916
Error norm: 11.996311
Active features: 5895
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #433 *****
Loss: 14751.684967
Feature norm: 132.148833
Error norm: 22.473622
Active features: 5894
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #434 *****
Loss: 14751.626445
Feature norm: 132.153359
Error norm: 16.966612
Active features: 5893
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #435 *****
Loss: 14751.625233
Feature norm: 132.160186
Error norm: 28.546791
Active features: 5892
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #436 *****
Loss: 14751.532828
Feature norm: 132.165785
Error norm: 16.260437
Active features: 5894
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #437 *****
Loss: 14751.531291
Feature norm: 132.172985
Error norm: 28.205846
Active features: 5892
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #438 *****
Loss: 14751.437457
Feature norm: 132.178105

Error norm: 13.964274
Active features: 5893
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #439 *****
Loss: 14751.430793
Feature norm: 132.185744
Error norm: 24.636465
Active features: 5893
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #440 *****
Loss: 14751.355170
Feature norm: 132.189014
Error norm: 10.977840
Active features: 5889
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.185

***** Iteration #441 *****
Loss: 14751.344489
Feature norm: 132.194241
Error norm: 21.389742
Active features: 5889
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.193

***** Iteration #442 *****
Loss: 14751.284520
Feature norm: 132.197093
Error norm: 11.882526
Active features: 5888
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.223

***** Iteration #443 *****
Loss: 14751.252081
Feature norm: 132.199140
Error norm: 8.213308
Active features: 5889
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.460

***** Iteration #444 *****
Loss: 14751.245809
Feature norm: 132.201592
Error norm: 21.841514
Active features: 5886
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #445 *****
Loss: 14751.205492
Feature norm: 132.206233
Error norm: 23.967597
Active features: 5886
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.187

***** Iteration #446 *****
Loss: 14751.165990
Feature norm: 132.210073
Error norm: 26.319853
Active features: 5883
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #447 *****
Loss: 14751.106504
Feature norm: 132.213709
Error norm: 20.448470
Active features: 5883
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #448 *****
Loss: 14751.060016
Feature norm: 132.216290
Error norm: 21.848347
Active features: 5880
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.203

***** Iteration #449 *****
Loss: 14751.010952
Feature norm: 132.216885
Error norm: 16.426704
Active features: 5879
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.191

***** Iteration #450 *****
Loss: 14750.975426
Feature norm: 132.219997
Error norm: 20.311907
Active features: 5876
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.213

***** Iteration #451 *****
Loss: 14750.931001
Feature norm: 132.220753
Error norm: 15.359214
Active features: 5874
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.251

***** Iteration #452 *****
Loss: 14750.910335
Feature norm: 132.224023
Error norm: 21.317939
Active features: 5874
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.333

***** Iteration #453 *****
Loss: 14750.860885
Feature norm: 132.225300
Error norm: 17.149734
Active features: 5872
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.418

***** Iteration #454 *****
Loss: 14750.839240
Feature norm: 132.228294

Error norm: 21.100836
Active features: 5869
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.349

***** Iteration #455 *****
Loss: 14750.789606
Feature norm: 132.229758
Error norm: 17.933722
Active features: 5866
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.419

***** Iteration #456 *****
Loss: 14750.761556
Feature norm: 132.232837
Error norm: 19.351637
Active features: 5866
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.483

***** Iteration #457 *****
Loss: 14750.722785
Feature norm: 132.234245
Error norm: 19.257306
Active features: 5865
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.300

***** Iteration #458 *****
Loss: 14750.688630
Feature norm: 132.237728
Error norm: 18.251684
Active features: 5865
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.248

***** Iteration #459 *****
Loss: 14750.650529
Feature norm: 132.238728
Error norm: 19.437373
Active features: 5864
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.299

***** Iteration #460 *****
Loss: 14750.616902
Feature norm: 132.243368
Error norm: 17.725785
Active features: 5863
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.425

***** Iteration #461 *****
Loss: 14750.590711
Feature norm: 132.243959
Error norm: 21.023314
Active features: 5863
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.275

***** Iteration #462 *****
Loss: 14750.543151
Feature norm: 132.248266
Error norm: 16.300700
Active features: 5863
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.338

***** Iteration #463 *****
Loss: 14750.526062
Feature norm: 132.249769
Error norm: 21.951068
Active features: 5864
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.339

***** Iteration #464 *****
Loss: 14750.471741
Feature norm: 132.254237
Error norm: 14.858183
Active features: 5863
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.223

***** Iteration #465 *****
Loss: 14750.459991
Feature norm: 132.256131
Error norm: 22.075783
Active features: 5860
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.196

***** Iteration #466 *****
Loss: 14750.402752
Feature norm: 132.260489
Error norm: 13.405431
Active features: 5860
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.198

***** Iteration #467 *****
Loss: 14750.400748
Feature norm: 132.261121
Error norm: 22.988091
Active features: 5862
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.223

***** Iteration #468 *****
Loss: 14750.336703
Feature norm: 132.266174
Error norm: 12.211534
Active features: 5861
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.222

***** Iteration #469 *****
Loss: 14750.304987
Feature norm: 132.266570
Error norm: 7.021911
Active features: 5862
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.434

***** Iteration #470 *****
Loss: 14750.289906
Feature norm: 132.270838

Error norm: 19.540835
Active features: 5862
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.186

***** Iteration #471 *****
Loss: 14750.273662
Feature norm: 132.272569
Error norm: 23.453616
Active features: 5862
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #472 *****
Loss: 14750.219598
Feature norm: 132.279455
Error norm: 20.918269
Active features: 5863
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.193

***** Iteration #473 *****
Loss: 14750.180386
Feature norm: 132.278697
Error norm: 21.248345
Active features: 5859
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.202

***** Iteration #474 *****
Loss: 14750.141149
Feature norm: 132.285564
Error norm: 19.204590
Active features: 5861
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.212

***** Iteration #475 *****
Loss: 14750.090145
Feature norm: 132.285479
Error norm: 15.069576
Active features: 5860
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.189

***** Iteration #476 *****
Loss: 14750.067451
Feature norm: 132.290168
Error norm: 18.433600
Active features: 5859
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #477 *****
Loss: 14750.024834
Feature norm: 132.289617
Error norm: 16.811183
Active features: 5858
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #478 *****
Loss: 14750.009511
Feature norm: 132.293692
Error norm: 21.794159
Active features: 5855
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.180

***** Iteration #479 *****
Loss: 14749.962603
Feature norm: 132.294582
Error norm: 16.933903
Active features: 5857
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #480 *****
Loss: 14749.935236
Feature norm: 132.299996
Error norm: 19.359427
Active features: 5857
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #481 *****
Loss: 14749.900211
Feature norm: 132.301397
Error norm: 19.588588
Active features: 5859
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.341

***** Iteration #482 *****
Loss: 14749.865121
Feature norm: 132.306958
Error norm: 18.844331
Active features: 5856
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #483 *****
Loss: 14749.834304
Feature norm: 132.308155
Error norm: 18.617130
Active features: 5859
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.182

***** Iteration #484 *****
Loss: 14749.799724
Feature norm: 132.314080
Error norm: 17.291165
Active features: 5857
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.169

***** Iteration #485 *****
Loss: 14749.775001
Feature norm: 132.316282
Error norm: 20.196412
Active features: 5855
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.173

***** Iteration #486 *****
Loss: 14749.732303
Feature norm: 132.322189

Error norm: 15.612569
Active features: 5855
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.177

***** Iteration #487 *****
Loss: 14749.715930
Feature norm: 132.324899
Error norm: 21.286971
Active features: 5856
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #488 *****
Loss: 14749.670323
Feature norm: 132.331033
Error norm: 15.365032
Active features: 5855
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.179

***** Iteration #489 *****
Loss: 14749.655333
Feature norm: 132.332382
Error norm: 22.717701
Active features: 5855
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.174

***** Iteration #490 *****
Loss: 14749.603610
Feature norm: 132.337978
Error norm: 14.876982
Active features: 5857
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.175

***** Iteration #491 *****
Loss: 14749.600096
Feature norm: 132.338668
Error norm: 24.751259
Active features: 5856
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.178

***** Iteration #492 *****
Loss: 14749.535042
Feature norm: 132.346364
Error norm: 13.814985
Active features: 5852
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.176

***** Iteration #493 *****
Loss: 14749.498712
Feature norm: 132.346841
Error norm: 7.320133
Active features: 5849
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.427

***** Iteration #494 *****
Loss: 14749.490662
Feature norm: 132.355060
Error norm: 21.943215
Active features: 5848
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.171

***** Iteration #495 *****
Loss: 14749.448135
Feature norm: 132.356772
Error norm: 21.243425
Active features: 5848
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.185

***** Iteration #496 *****
Loss: 14749.422843
Feature norm: 132.365958
Error norm: 24.108235
Active features: 5851
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.277

***** Iteration #497 *****
Loss: 14749.372106
Feature norm: 132.366012
Error norm: 21.795274
Active features: 5846
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.234

***** Iteration #498 *****
Loss: 14749.338878
Feature norm: 132.373822
Error norm: 21.042468
Active features: 5847
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.197

***** Iteration #499 *****
Loss: 14749.287183
Feature norm: 132.374708
Error norm: 17.127023
Active features: 5850
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.207

***** Iteration #500 *****
Loss: 14749.270084
Feature norm: 132.381629
Error norm: 20.668762
Active features: 5850
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.198

***** Iteration #501 *****
Loss: 14749.221062
Feature norm: 132.382292
Error norm: 16.299560
Active features: 5851
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.238

***** Iteration #502 *****
Loss: 14749.205793
Feature norm: 132.389821

Error norm: 20.368831
Active features: 5849
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.262

***** Iteration #503 *****
Loss: 14749.156503
Feature norm: 132.391153
Error norm: 17.326123
Active features: 5845
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.225

***** Iteration #504 *****
Loss: 14749.142650
Feature norm: 132.399300
Error norm: 21.729501
Active features: 5847
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.241

***** Iteration #505 *****
Loss: 14749.089550
Feature norm: 132.400141
Error norm: 18.882448
Active features: 5844
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.204

***** Iteration #506 *****
Loss: 14749.067981
Feature norm: 132.408863
Error norm: 20.828190
Active features: 5842
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.223

***** Iteration #507 *****
Loss: 14749.030440
Feature norm: 132.409474
Error norm: 20.418053
Active features: 5843
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.237

***** Iteration #508 *****
Loss: 14748.991468
Feature norm: 132.417347
Error norm: 17.817849
Active features: 5843
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.188

***** Iteration #509 *****
Loss: 14748.964272
Feature norm: 132.418388
Error norm: 20.564335
Active features: 5845
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.208

***** Iteration #510 *****
Loss: 14748.924502
Feature norm: 132.426208
Error norm: 17.196460
Active features: 5845
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.206

***** Iteration #511 *****
Loss: 14748.901767
Feature norm: 132.430011
Error norm: 21.553689
Active features: 5842
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.220

***** Iteration #512 *****
Loss: 14748.856448
Feature norm: 132.433490
Error norm: 15.597984
Active features: 5841
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.206

***** Iteration #513 *****
Loss: 14748.841990
Feature norm: 132.438581
Error norm: 22.238053
Active features: 5839
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.219

***** Iteration #514 *****
Loss: 14748.790631
Feature norm: 132.441990
Error norm: 14.017189
Active features: 5836
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.190

***** Iteration #515 *****
Loss: 14748.785330
Feature norm: 132.447483
Error norm: 23.491537
Active features: 5831
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.170

***** Iteration #516 *****
Loss: 14748.725210
Feature norm: 132.450645
Error norm: 12.057244
Active features: 5827
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.172

***** Iteration #517 *****
Loss: 14748.724690
Feature norm: 132.452860
Error norm: 23.334400
Active features: 5824
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.193

***** Iteration #518 *****
Loss: 14748.666548
Feature norm: 132.457744

Error norm: 12.981997
Active features: 5825
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.181

***** Iteration #519 *****
Loss: 14748.634049
Feature norm: 132.458961
Error norm: 6.660407
Active features: 5825
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.372

***** Iteration #520 *****
Loss: 14748.622657
Feature norm: 132.462808
Error norm: 17.777595
Active features: 5825
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.198

***** Iteration #521 *****
Loss: 14748.592563
Feature norm: 132.465023
Error norm: 19.595932
Active features: 5825
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.209

***** Iteration #522 *****
Loss: 14748.565202
Feature norm: 132.470446
Error norm: 19.098722
Active features: 5825
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.332

***** Iteration #523 *****
Loss: 14748.548479
Feature norm: 132.471593
Error norm: 23.628268
Active features: 5824
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.207

***** Iteration #524 *****
Loss: 14748.494097
Feature norm: 132.477115
Error norm: 15.661547
Active features: 5822
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.212

***** Iteration #525 *****
Loss: 14748.464186
Feature norm: 132.478470
Error norm: 17.222621
Active features: 5822
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.244

***** Iteration #526 *****
Loss: 14748.442644
Feature norm: 132.481948
Error norm: 17.069051
Active features: 5822
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.199

***** Iteration #527 *****
Loss: 14748.418210
Feature norm: 132.483531
Error norm: 19.818904
Active features: 5822
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.249

***** Iteration #528 *****
Loss: 14748.377539
Feature norm: 132.488344
Error norm: 14.213870
Active features: 5822
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.220

***** Iteration #529 *****
Loss: 14748.367081
Feature norm: 132.488302
Error norm: 20.926862
Active features: 5819
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.212

***** Iteration #530 *****
Loss: 14748.322576
Feature norm: 132.494333
Error norm: 15.259215
Active features: 5816
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.231

***** Iteration #531 *****
Loss: 14748.312518
Feature norm: 132.494358
Error norm: 22.288041
Active features: 5815
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.211

***** Iteration #532 *****
Loss: 14748.261227
Feature norm: 132.500615
Error norm: 14.368310
Active features: 5814
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.229

***** Iteration #533 *****
Loss: 14748.225797
Feature norm: 132.500717
Error norm: 5.728294
Active features: 5816
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.455

***** Iteration #534 *****
Loss: 14748.221396
Feature norm: 132.507282

Error norm: 20.501809
Active features: 5813
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.241

***** Iteration #535 *****
Loss: 14748.177955
Feature norm: 132.508055
Error norm: 14.855850
Active features: 5812
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.209

***** Iteration #536 *****
Loss: 14748.175098
Feature norm: 132.513957
Error norm: 24.203001
Active features: 5812
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.212

***** Iteration #537 *****
Loss: 14748.110804
Feature norm: 132.515703
Error norm: 15.265149
Active features: 5812
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.248

***** Iteration #538 *****
Loss: 14748.098849
Feature norm: 132.519576
Error norm: 21.723327
Active features: 5812
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.205

***** Iteration #539 *****
Loss: 14748.048139
Feature norm: 132.520613
Error norm: 14.102097
Active features: 5812
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.203

***** Iteration #540 *****
Loss: 14748.015863
Feature norm: 132.523083
Error norm: 6.012885
Active features: 5810
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.404

***** Iteration #541 *****
Loss: 14748.000490
Feature norm: 132.523976
Error norm: 10.652106
Active features: 5808
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.475

***** Iteration #542 *****
Loss: 14747.980164
Feature norm: 132.526830
Error norm: 9.912088
Active features: 5808
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.542

***** Iteration #543 *****
Loss: 14747.958393
Feature norm: 132.528673
Error norm: 10.972963
Active features: 5807
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.465

***** Iteration #544 *****
Loss: 14747.938483
Feature norm: 132.530685
Error norm: 9.639325
Active features: 5809
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.554

***** Iteration #545 *****
Loss: 14747.919871
Feature norm: 132.533224
Error norm: 12.108184
Active features: 5809
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.439

***** Iteration #546 *****
Loss: 14747.895697
Feature norm: 132.534660
Error norm: 7.713795
Active features: 5809
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.731

***** Iteration #547 *****
Loss: 14747.878448
Feature norm: 132.536007
Error norm: 11.176344
Active features: 5810
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.606

***** Iteration #548 *****
Loss: 14747.853583
Feature norm: 132.538243
Error norm: 8.308238
Active features: 5810
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.690

***** Iteration #549 *****
Loss: 14747.835430
Feature norm: 132.539576
Error norm: 12.488376
Active features: 5811
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.661

***** Iteration #550 *****
Loss: 14747.811701
Feature norm: 132.541180

Error norm: 9.901441
Active features: 5811
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.645

***** Iteration #551 *****
Loss: 14747.794535
Feature norm: 132.543574
Error norm: 13.330060
Active features: 5809
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.714

***** Iteration #552 *****
Loss: 14747.766054
Feature norm: 132.545461
Error norm: 9.662513
Active features: 5810
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.749

***** Iteration #553 *****
Loss: 14747.749597
Feature norm: 132.547752
Error norm: 12.670027
Active features: 5810
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.682

***** Iteration #554 *****
Loss: 14747.725117
Feature norm: 132.549654
Error norm: 9.153802
Active features: 5808
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.616

***** Iteration #555 *****
Loss: 14747.706989
Feature norm: 132.552134
Error norm: 10.419100
Active features: 5806
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.658

***** Iteration #556 *****
Loss: 14747.687585
Feature norm: 132.554186
Error norm: 8.338259
Active features: 5807
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.649

***** Iteration #557 *****
Loss: 14747.672019
Feature norm: 132.557555
Error norm: 9.947947
Active features: 5806
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.626

***** Iteration #558 *****
Loss: 14747.650762
Feature norm: 132.559118
Error norm: 7.587064
Active features: 5808
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.688

***** Iteration #559 *****
Loss: 14747.637454
Feature norm: 132.562869
Error norm: 10.877639
Active features: 5807
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.685

***** Iteration #560 *****
Loss: 14747.615546
Feature norm: 132.564827
Error norm: 8.350695
Active features: 5806
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.627

***** Iteration #561 *****
Loss: 14747.600548
Feature norm: 132.569413
Error norm: 9.941664
Active features: 5803
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.658

***** Iteration #562 *****
Loss: 14747.579031
Feature norm: 132.571777
Error norm: 8.274299
Active features: 5803
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.680

***** Iteration #563 *****
Loss: 14747.562543
Feature norm: 132.577269
Error norm: 10.313926
Active features: 5801
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.662

***** Iteration #564 *****
Loss: 14747.545512
Feature norm: 132.580568
Error norm: 6.991291
Active features: 5798
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.604

***** Iteration #565 *****
Loss: 14747.531289
Feature norm: 132.584086
Error norm: 7.138089
Active features: 5799
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.640

***** Iteration #566 *****
Loss: 14747.519213
Feature norm: 132.586907

Error norm: 5.328645
Active features: 5798
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.659

***** Iteration #567 *****
Loss: 14747.508099
Feature norm: 132.591347
Error norm: 9.356704
Active features: 5798
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.599

***** Iteration #568 *****
Loss: 14747.491464
Feature norm: 132.595387
Error norm: 5.344014
Active features: 5795
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.623

***** Iteration #569 *****
Loss: 14747.480213
Feature norm: 132.599938
Error norm: 8.906014
Active features: 5795
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.586

***** Iteration #570 *****
Loss: 14747.463500
Feature norm: 132.602729
Error norm: 6.794693
Active features: 5794
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.572

***** Iteration #571 *****
Loss: 14747.451204
Feature norm: 132.606839
Error norm: 9.174778
Active features: 5796
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.563

***** Iteration #572 *****

Loss: 14747.434578
Feature norm: 132.608686
Error norm: 6.353041
Active features: 5795
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.581

L-BFGS terminated with the stopping criteria
Total seconds required for training: 123.726

Storing the model
Number of active features: 5795 (85356)
Number of active attributes: 4333 (67941)
Number of active labels: 9 (9)
Writing labels
Writing attributes
Writing feature references for transitions
Writing feature references for attributes
Seconds required: 0.012

```
[8]: check(language = "English", gold_path="NER/English/validation.txt",  
      my_path="CRF_English_result.txt")
```

	precision	recall	f1-score	support
B-PER	0.8734	0.8838	0.8786	1842
I-PER	0.9294	0.9265	0.9280	1307
B-ORG	0.8450	0.7927	0.8180	1341
I-ORG	0.7817	0.7963	0.7889	751
B-LOC	0.9081	0.8498	0.8780	1837
I-LOC	0.8810	0.7198	0.7923	257
B-MISC	0.9216	0.8286	0.8726	922
I-MISC	0.8703	0.7370	0.7981	346
micro avg	0.8816	0.8445	0.8626	8603
macro avg	0.8763	0.8168	0.8443	8603
weighted avg	0.8821	0.8445	0.8622	8603

4.0.2 Chinese

```
[9]: sentences1 = read_data('NER/Chinese/train.txt')
sentences2 = read_data('NER/Chinese/validation.txt')
X_train = [sent2features(s) for s in sentences1]
y_train = [sent2labels(s) for s in sentences1]
X_test = [sent2features(s) for s in sentences2]
trainer = pycrfsuite.Trainer()

for xseq, yseq in zip(X_train, y_train):
    trainer.append(xseq, yseq)

trainer.set_params({
    'c1': 1.0,
    'c2': 1e-3,
    'max_iterations': 100000,
})

trainer.train('crf_cn.model')

tagger = pycrfsuite.Tagger()
tagger.open('crf_cn.model')
y_pred_eng = [tagger.tag(xseq) for xseq in X_test]
tagger.close()
```

Feature generation

type: CRF1d

feature.minfreq: 0.000000

feature.possible_states: 0

feature.possible_transitions: 0

0...1...2...3...4...5...6...7...8...9...10

Number of features: 24153

Seconds required: 0.247

L-BFGS optimization

c1: 1.000000

c2: 0.001000

num_memories: 6

max_iterations: 100000

epsilon: 0.000010

stop: 10

delta: 0.000010

linesearch: MoreThuente

linesearch.max_iterations: 20

***** Iteration #1 *****

Loss: 338610.893942

Feature norm: 1.000000

Error norm: 72146.078988
Active features: 16153
Line search trials: 1
Line search step: 0.000013
Seconds required for this iteration: 0.861

***** Iteration #2 *****
Loss: 265719.141790
Feature norm: 6.933123
Error norm: 125458.236298
Active features: 15911
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.307

***** Iteration #3 *****
Loss: 241139.740122
Feature norm: 6.983456
Error norm: 77974.899985
Active features: 16629
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.325

***** Iteration #4 *****
Loss: 178283.785682
Feature norm: 5.553243
Error norm: 86282.152661
Active features: 17344
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #5 *****
Loss: 169185.171096
Feature norm: 5.056617
Error norm: 81811.812948
Active features: 17471
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #6 *****
Loss: 156819.942486
Feature norm: 4.622938
Error norm: 34687.680713
Active features: 17315
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #7 *****
Loss: 143638.951476
Feature norm: 5.639668
Error norm: 60470.367261
Active features: 16683
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.483

***** Iteration #8 *****
Loss: 129435.295961
Feature norm: 7.355310
Error norm: 81853.594688
Active features: 16906
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.503

***** Iteration #9 *****
Loss: 112150.292400
Feature norm: 7.444115
Error norm: 48717.189362
Active features: 16930
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.510

***** Iteration #10 *****
Loss: 105098.929811
Feature norm: 7.375712
Error norm: 24360.028601
Active features: 17276
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #11 *****
Loss: 96987.544932
Feature norm: 7.793299
Error norm: 18790.690530
Active features: 17039
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #12 *****
Loss: 73323.293871
Feature norm: 10.086842
Error norm: 10402.867529
Active features: 16417
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #13 *****
Loss: 65713.653930
Feature norm: 11.869413
Error norm: 20928.828203
Active features: 16054
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #14 *****
Loss: 59939.342870
Feature norm: 12.861086
Error norm: 9024.073321
Active features: 16283
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.472

***** Iteration #15 *****
Loss: 55468.598922
Feature norm: 13.667194
Error norm: 7926.235617
Active features: 16221
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.472

***** Iteration #16 *****
Loss: 42462.163453
Feature norm: 15.878122
Error norm: 6019.077148
Active features: 15679
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #17 *****
Loss: 35351.023366
Feature norm: 21.334112

Error norm: 17817.751907
Active features: 14913
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.428

***** Iteration #18 *****
Loss: 27136.739414
Feature norm: 21.610130
Error norm: 5106.338278
Active features: 15159
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #19 *****
Loss: 24370.592472
Feature norm: 22.681394
Error norm: 5871.949790
Active features: 15069
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.397

***** Iteration #20 *****
Loss: 21054.058261
Feature norm: 23.999734
Error norm: 3344.880837
Active features: 14980
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.431

***** Iteration #21 *****
Loss: 18420.719617
Feature norm: 25.832042
Error norm: 3268.065687
Active features: 14710
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.428

***** Iteration #22 *****
Loss: 16659.486352
Feature norm: 27.505604
Error norm: 4744.759116
Active features: 14474
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #23 *****
Loss: 14857.459047
Feature norm: 28.652650
Error norm: 2875.547384
Active features: 14444
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.387

***** Iteration #24 *****
Loss: 13959.372721
Feature norm: 29.173077
Error norm: 2414.951658
Active features: 14365
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.417

***** Iteration #25 *****
Loss: 13029.545634
Feature norm: 30.745315
Error norm: 7587.200140
Active features: 13952
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.416

***** Iteration #26 *****
Loss: 11604.909277
Feature norm: 31.662781
Error norm: 1274.910770
Active features: 13992
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #27 *****
Loss: 10969.696286
Feature norm: 33.211978
Error norm: 2952.035902
Active features: 13853
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.402

***** Iteration #28 *****
Loss: 10309.531596
Feature norm: 34.547817
Error norm: 2226.274125
Active features: 13651
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.417

***** Iteration #29 *****
Loss: 9741.100297
Feature norm: 35.470200
Error norm: 1314.852013
Active features: 13534
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #30 *****
Loss: 9160.412555
Feature norm: 37.620463
Error norm: 3699.938889
Active features: 13167
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #31 *****
Loss: 8294.920533
Feature norm: 39.703138
Error norm: 3374.348938
Active features: 12740
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #32 *****
Loss: 7661.691793
Feature norm: 41.474823
Error norm: 2097.134902
Active features: 12604
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #33 *****
Loss: 7175.473790
Feature norm: 42.838988

Error norm: 2312.699793
Active features: 12507
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.446

***** Iteration #34 *****
Loss: 6915.939910
Feature norm: 43.463516
Error norm: 820.067886
Active features: 12438
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #35 *****
Loss: 6833.627485
Feature norm: 42.958272
Error norm: 463.453138
Active features: 12376
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #36 *****
Loss: 6622.114429
Feature norm: 42.978722
Error norm: 1407.248181
Active features: 12101
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #37 *****
Loss: 6447.987924
Feature norm: 43.329480
Error norm: 1383.425019
Active features: 11993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #38 *****
Loss: 6260.220720
Feature norm: 44.062944
Error norm: 1683.640931
Active features: 11813
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.417

***** Iteration #39 *****
Loss: 6054.207679
Feature norm: 44.670015
Error norm: 964.689950
Active features: 11605
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #40 *****
Loss: 5906.960349
Feature norm: 45.571565
Error norm: 1076.099617
Active features: 11322
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #41 *****
Loss: 5772.201822
Feature norm: 46.243091
Error norm: 912.243967
Active features: 11025
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #42 *****
Loss: 5647.222646
Feature norm: 47.050749
Error norm: 658.170726
Active features: 10711
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.454

***** Iteration #43 *****
Loss: 5538.204236
Feature norm: 47.686259
Error norm: 1057.150261
Active features: 10328
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #44 *****
Loss: 5429.548740
Feature norm: 48.699774
Error norm: 908.198256
Active features: 9961
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.431

***** Iteration #45 *****
Loss: 5335.517068
Feature norm: 49.111032
Error norm: 677.037902
Active features: 9699
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #46 *****
Loss: 5246.538003
Feature norm: 49.712455
Error norm: 649.336085
Active features: 9338
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.428

***** Iteration #47 *****
Loss: 5169.064847
Feature norm: 50.212284
Error norm: 892.480580
Active features: 8978
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.431

***** Iteration #48 *****
Loss: 5087.610481
Feature norm: 50.733429
Error norm: 588.123316
Active features: 8698
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #49 *****
Loss: 5018.524227
Feature norm: 51.080025

Error norm: 488.777215
Active features: 8495
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #50 *****
Loss: 4942.282809
Feature norm: 51.551221
Error norm: 570.869351
Active features: 8219
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.432

***** Iteration #51 *****
Loss: 4872.882166
Feature norm: 51.790872
Error norm: 499.989136
Active features: 8010
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.467

***** Iteration #52 *****
Loss: 4813.160423
Feature norm: 52.290418
Error norm: 470.800386
Active features: 7806
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #53 *****
Loss: 4772.176933
Feature norm: 52.525721
Error norm: 565.876171
Active features: 7618
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #54 *****
Loss: 4725.352569
Feature norm: 52.864123
Error norm: 171.026655
Active features: 7433
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #55 *****
Loss: 4684.962683
Feature norm: 53.635341
Error norm: 631.050812
Active features: 7033
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #56 *****
Loss: 4647.711874
Feature norm: 54.012094
Error norm: 258.961661
Active features: 6873
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #57 *****
Loss: 4613.878198
Feature norm: 54.630363
Error norm: 298.428347
Active features: 6620
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #58 *****
Loss: 4583.806979
Feature norm: 55.265750
Error norm: 493.610078
Active features: 6372
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.476

***** Iteration #59 *****
Loss: 4551.526848
Feature norm: 55.804498
Error norm: 363.519583
Active features: 6180
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #60 *****
Loss: 4530.526215
Feature norm: 56.159487
Error norm: 511.382010
Active features: 6027
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #61 *****
Loss: 4505.770641
Feature norm: 56.730229
Error norm: 367.357788
Active features: 5929
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #62 *****
Loss: 4484.710142
Feature norm: 56.940573
Error norm: 350.641097
Active features: 5871
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.482

***** Iteration #63 *****
Loss: 4466.261323
Feature norm: 57.252710
Error norm: 418.943164
Active features: 5781
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #64 *****
Loss: 4446.778364
Feature norm: 57.432013
Error norm: 402.714475
Active features: 5733
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.430

***** Iteration #65 *****
Loss: 4432.704962
Feature norm: 57.831366

Error norm: 427.674313
Active features: 5646
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #66 *****
Loss: 4418.098385
Feature norm: 57.958720
Error norm: 395.738995
Active features: 5581
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.413

***** Iteration #67 *****
Loss: 4403.652482
Feature norm: 58.254322
Error norm: 277.425896
Active features: 5564
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #68 *****
Loss: 4391.962597
Feature norm: 58.350378
Error norm: 414.304322
Active features: 5500
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #69 *****
Loss: 4379.642915
Feature norm: 58.678189
Error norm: 476.768044
Active features: 5446
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #70 *****
Loss: 4367.866034
Feature norm: 58.799829
Error norm: 456.267507
Active features: 5362
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #71 *****
Loss: 4356.793860
Feature norm: 59.149431
Error norm: 390.215010
Active features: 5333
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #72 *****
Loss: 4346.394150
Feature norm: 59.255546
Error norm: 284.123835
Active features: 5314
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #73 *****
Loss: 4338.358946
Feature norm: 59.439933
Error norm: 325.766863
Active features: 5278
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.502

***** Iteration #74 *****
Loss: 4330.361572
Feature norm: 59.557027
Error norm: 347.640196
Active features: 5232
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #75 *****
Loss: 4324.850106
Feature norm: 59.867056
Error norm: 445.971993
Active features: 5183
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #76 *****
Loss: 4315.026666
Feature norm: 59.964415
Error norm: 308.127724
Active features: 5185
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.418

***** Iteration #77 *****
Loss: 4308.692898
Feature norm: 60.187738
Error norm: 330.677386
Active features: 5154
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #78 *****
Loss: 4300.596559
Feature norm: 60.280778
Error norm: 323.212539
Active features: 5097
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.472

***** Iteration #79 *****
Loss: 4295.377834
Feature norm: 60.488754
Error norm: 382.027304
Active features: 5066
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #80 *****
Loss: 4287.541754
Feature norm: 60.633883
Error norm: 412.191316
Active features: 5043
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #81 *****
Loss: 4281.598935
Feature norm: 60.856261

Error norm: 410.520466
Active features: 5016
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.480

***** Iteration #82 *****
Loss: 4273.857599
Feature norm: 60.993984
Error norm: 365.576040
Active features: 4976
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.430

***** Iteration #83 *****
Loss: 4268.480605
Feature norm: 61.178125
Error norm: 347.193975
Active features: 4942
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #84 *****
Loss: 4262.878580
Feature norm: 61.299493
Error norm: 301.384397
Active features: 4912
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.474

***** Iteration #85 *****
Loss: 4258.500743
Feature norm: 61.467511
Error norm: 316.665114
Active features: 4898
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.464

***** Iteration #86 *****
Loss: 4252.515979
Feature norm: 61.563486
Error norm: 235.875010
Active features: 4892
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.432

***** Iteration #87 *****
Loss: 4249.567037
Feature norm: 61.733378
Error norm: 355.257772
Active features: 4853
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.416

***** Iteration #88 *****
Loss: 4245.267718
Feature norm: 61.848924
Error norm: 298.734740
Active features: 4816
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.469

***** Iteration #89 *****
Loss: 4242.468108
Feature norm: 62.042737
Error norm: 338.488218
Active features: 4819
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #90 *****
Loss: 4237.509913
Feature norm: 62.134182
Error norm: 228.967000
Active features: 4809
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.425

***** Iteration #91 *****
Loss: 4234.825914
Feature norm: 62.271449
Error norm: 274.471631
Active features: 4801
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #92 *****
Loss: 4230.439742
Feature norm: 62.362705
Error norm: 207.228937
Active features: 4777
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #93 *****
Loss: 4228.952514
Feature norm: 62.529028
Error norm: 329.167007
Active features: 4755
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.430

***** Iteration #94 *****
Loss: 4224.643900
Feature norm: 62.638189
Error norm: 286.431017
Active features: 4722
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #95 *****
Loss: 4222.837726
Feature norm: 62.805830
Error norm: 338.206468
Active features: 4693
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #96 *****
Loss: 4218.323256
Feature norm: 62.911096
Error norm: 264.810372
Active features: 4660
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.409

***** Iteration #97 *****
Loss: 4216.251379
Feature norm: 63.065968

Error norm: 282.531842
Active features: 4627
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.459

***** Iteration #98 *****
Loss: 4212.299045
Feature norm: 63.130648
Error norm: 224.993398
Active features: 4608
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #99 *****
Loss: 4210.513861
Feature norm: 63.281281
Error norm: 261.722768
Active features: 4603
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #100 *****
Loss: 4206.826783
Feature norm: 63.348024
Error norm: 215.921354
Active features: 4593
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #101 *****
Loss: 4205.765517
Feature norm: 63.505398
Error norm: 304.461632
Active features: 4577
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.421

***** Iteration #102 *****
Loss: 4202.139070
Feature norm: 63.589433
Error norm: 262.064160
Active features: 4564
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #103 *****
Loss: 4200.417109
Feature norm: 63.745206
Error norm: 318.394363
Active features: 4552
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #104 *****
Loss: 4196.734170
Feature norm: 63.827856
Error norm: 258.953317
Active features: 4551
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.479

***** Iteration #105 *****
Loss: 4195.148021
Feature norm: 63.998382
Error norm: 300.093919
Active features: 4540
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #106 *****
Loss: 4191.931801
Feature norm: 64.074852
Error norm: 227.746332
Active features: 4524
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #107 *****
Loss: 4190.276994
Feature norm: 64.228455
Error norm: 248.723860
Active features: 4501
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.425

***** Iteration #108 *****
Loss: 4187.332692
Feature norm: 64.289574
Error norm: 200.797964
Active features: 4496
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #109 *****
Loss: 4186.148286
Feature norm: 64.438093
Error norm: 248.043274
Active features: 4494
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #110 *****
Loss: 4183.648322
Feature norm: 64.499989
Error norm: 224.011661
Active features: 4482
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #111 *****
Loss: 4182.058168
Feature norm: 64.659769
Error norm: 241.885861
Active features: 4470
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #112 *****
Loss: 4179.903500
Feature norm: 64.732500
Error norm: 244.681530
Active features: 4445
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #113 *****
Loss: 4177.815600
Feature norm: 64.885960

Error norm: 229.488159
Active features: 4428
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.486

***** Iteration #114 *****
Loss: 4175.790623
Feature norm: 64.965937
Error norm: 244.891869
Active features: 4412
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #115 *****
Loss: 4173.590642
Feature norm: 65.112260
Error norm: 212.341181
Active features: 4404
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #116 *****
Loss: 4171.640288
Feature norm: 65.194767
Error norm: 241.845273
Active features: 4397
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #117 *****
Loss: 4169.720494
Feature norm: 65.332644
Error norm: 222.273187
Active features: 4378
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #118 *****
Loss: 4167.709330
Feature norm: 65.425838
Error norm: 241.637079
Active features: 4366
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #119 *****
Loss: 4165.284041
Feature norm: 65.552461
Error norm: 214.065314
Active features: 4339
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #120 *****
Loss: 4163.516099
Feature norm: 65.643370
Error norm: 233.831469
Active features: 4313
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #121 *****
Loss: 4161.040268
Feature norm: 65.757758
Error norm: 214.997616
Active features: 4312
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.472

***** Iteration #122 *****
Loss: 4159.545553
Feature norm: 65.825988
Error norm: 238.280312
Active features: 4305
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #123 *****
Loss: 4157.135124
Feature norm: 65.954366
Error norm: 231.396965
Active features: 4292
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #124 *****
Loss: 4155.262169
Feature norm: 66.032224
Error norm: 229.689882
Active features: 4284
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #125 *****
Loss: 4153.311722
Feature norm: 66.144300
Error norm: 255.652115
Active features: 4270
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #126 *****
Loss: 4150.991768
Feature norm: 66.223934
Error norm: 199.729237
Active features: 4262
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.465

***** Iteration #127 *****
Loss: 4149.463575
Feature norm: 66.325113
Error norm: 249.740461
Active features: 4256
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #128 *****
Loss: 4147.071503
Feature norm: 66.410073
Error norm: 192.332306
Active features: 4252
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #129 *****
Loss: 4145.687152
Feature norm: 66.508828

Error norm: 250.740450
Active features: 4240
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #130 *****
Loss: 4143.267245
Feature norm: 66.584756
Error norm: 199.968523
Active features: 4224
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #131 *****
Loss: 4141.721207
Feature norm: 66.691627
Error norm: 238.071311
Active features: 4216
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #132 *****
Loss: 4139.893370
Feature norm: 66.764787
Error norm: 203.262133
Active features: 4207
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.497

***** Iteration #133 *****
Loss: 4138.417436
Feature norm: 66.872268
Error norm: 230.504242
Active features: 4193
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #134 *****
Loss: 4136.401927
Feature norm: 66.926539
Error norm: 157.423510
Active features: 4183
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.467

***** Iteration #135 *****
Loss: 4135.593973
Feature norm: 67.016698
Error norm: 222.305203
Active features: 4177
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.483

***** Iteration #136 *****
Loss: 4133.701093
Feature norm: 67.060320
Error norm: 153.771249
Active features: 4168
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.425

***** Iteration #137 *****
Loss: 4132.998397
Feature norm: 67.151461
Error norm: 209.493489
Active features: 4157
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #138 *****
Loss: 4131.198506
Feature norm: 67.194705
Error norm: 149.545387
Active features: 4146
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #139 *****
Loss: 4130.590809
Feature norm: 67.288389
Error norm: 200.317712
Active features: 4153
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.419

***** Iteration #140 *****
Loss: 4129.062433
Feature norm: 67.334129
Error norm: 171.698235
Active features: 4141
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.415

***** Iteration #141 *****
Loss: 4128.042362
Feature norm: 67.415119
Error norm: 172.334533
Active features: 4138
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #142 *****
Loss: 4126.653537
Feature norm: 67.463629
Error norm: 167.821097
Active features: 4141
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.420

***** Iteration #143 *****
Loss: 4125.534534
Feature norm: 67.541479
Error norm: 170.800853
Active features: 4117
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.406

***** Iteration #144 *****
Loss: 4124.329004
Feature norm: 67.588162
Error norm: 189.064878
Active features: 4100
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.423

***** Iteration #145 *****
Loss: 4123.169572
Feature norm: 67.673469

Error norm: 184.793948
Active features: 4095
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.419

***** Iteration #146 *****
Loss: 4121.917207
Feature norm: 67.728545
Error norm: 195.658956
Active features: 4095
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #147 *****
Loss: 4120.497658
Feature norm: 67.802668
Error norm: 166.004917
Active features: 4076
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.415

***** Iteration #148 *****
Loss: 4119.611598
Feature norm: 67.853848
Error norm: 195.681526
Active features: 4081
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #149 *****
Loss: 4118.236425
Feature norm: 67.927830
Error norm: 160.357071
Active features: 4063
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #150 *****
Loss: 4117.468626
Feature norm: 67.978376
Error norm: 188.703575
Active features: 4068
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.423

***** Iteration #151 *****
Loss: 4116.162857
Feature norm: 68.051395
Error norm: 152.391521
Active features: 4056
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.465

***** Iteration #152 *****
Loss: 4115.249434
Feature norm: 68.095501
Error norm: 161.777462
Active features: 4038
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.428

***** Iteration #153 *****
Loss: 4114.376085
Feature norm: 68.159104
Error norm: 152.147049
Active features: 4040
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.490

***** Iteration #154 *****
Loss: 4113.497178
Feature norm: 68.200706
Error norm: 153.885235
Active features: 4016
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #155 *****
Loss: 4112.536680
Feature norm: 68.252323
Error norm: 125.134177
Active features: 4009
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.404

***** Iteration #156 *****
Loss: 4111.886963
Feature norm: 68.289605
Error norm: 147.193550
Active features: 3989
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.464

***** Iteration #157 *****
Loss: 4111.135321
Feature norm: 68.346452
Error norm: 151.211849
Active features: 3981
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.423

***** Iteration #158 *****
Loss: 4110.399281
Feature norm: 68.386999
Error norm: 153.653875
Active features: 3965
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #159 *****
Loss: 4109.615631
Feature norm: 68.447812
Error norm: 153.305923
Active features: 3963
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #160 *****
Loss: 4108.852417
Feature norm: 68.484242
Error norm: 141.996761
Active features: 3955
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #161 *****
Loss: 4108.089286
Feature norm: 68.539330

Error norm: 149.738709
Active features: 3955
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #162 *****
Loss: 4107.358630
Feature norm: 68.575931
Error norm: 135.798832
Active features: 3939
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #163 *****
Loss: 4106.669251
Feature norm: 68.633501
Error norm: 143.225127
Active features: 3931
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #164 *****
Loss: 4105.762156
Feature norm: 68.660710
Error norm: 110.940635
Active features: 3932
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #165 *****
Loss: 4105.095495
Feature norm: 68.718186
Error norm: 138.529837
Active features: 3932
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #166 *****
Loss: 4104.418390
Feature norm: 68.753062
Error norm: 150.988984
Active features: 3920
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #167 *****
Loss: 4103.762108
Feature norm: 68.820504
Error norm: 171.327983
Active features: 3909
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.429

***** Iteration #168 *****
Loss: 4102.926106
Feature norm: 68.853164
Error norm: 154.340831
Active features: 3908
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.424

***** Iteration #169 *****
Loss: 4102.171661
Feature norm: 68.923004
Error norm: 154.803977
Active features: 3894
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.459

***** Iteration #170 *****
Loss: 4101.214485
Feature norm: 68.946137
Error norm: 122.797498
Active features: 3891
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #171 *****
Loss: 4100.576850
Feature norm: 69.002771
Error norm: 120.333564
Active features: 3893
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #172 *****
Loss: 4100.010145
Feature norm: 69.025860
Error norm: 135.710082
Active features: 3883
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.424

***** Iteration #173 *****
Loss: 4099.246331
Feature norm: 69.080328
Error norm: 105.721696
Active features: 3869
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #174 *****
Loss: 4098.698522
Feature norm: 69.110012
Error norm: 136.550107
Active features: 3861
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.393

***** Iteration #175 *****
Loss: 4098.027550
Feature norm: 69.160478
Error norm: 121.003200
Active features: 3842
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #176 *****
Loss: 4097.556528
Feature norm: 69.188046
Error norm: 151.432484
Active features: 3834
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.446

***** Iteration #177 *****
Loss: 4096.726648
Feature norm: 69.244199

Error norm: 115.042426
Active features: 3833
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #178 *****
Loss: 4096.233900
Feature norm: 69.268833
Error norm: 138.334585
Active features: 3826
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #179 *****
Loss: 4095.524356
Feature norm: 69.322149
Error norm: 114.308630
Active features: 3827
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.424

***** Iteration #180 *****
Loss: 4095.003374
Feature norm: 69.334304
Error norm: 130.764700
Active features: 3812
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #181 *****
Loss: 4094.380490
Feature norm: 69.390582
Error norm: 113.228623
Active features: 3807
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #182 *****
Loss: 4093.879216
Feature norm: 69.407710
Error norm: 122.706506
Active features: 3797
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.413

***** Iteration #183 *****
Loss: 4093.379422
Feature norm: 69.465645
Error norm: 119.053423
Active features: 3788
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.417

***** Iteration #184 *****
Loss: 4092.842890
Feature norm: 69.481590
Error norm: 110.053644
Active features: 3774
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #185 *****
Loss: 4092.375223
Feature norm: 69.533043
Error norm: 109.729303
Active features: 3770
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #186 *****
Loss: 4091.812659
Feature norm: 69.546796
Error norm: 98.665124
Active features: 3764
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.419

***** Iteration #187 *****
Loss: 4091.382839
Feature norm: 69.599417
Error norm: 112.965609
Active features: 3753
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #188 *****
Loss: 4090.936972
Feature norm: 69.614741
Error norm: 119.627281
Active features: 3748
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.459

***** Iteration #189 *****
Loss: 4090.453331
Feature norm: 69.676859
Error norm: 127.108726
Active features: 3739
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #190 *****
Loss: 4089.893301
Feature norm: 69.696079
Error norm: 120.650036
Active features: 3718
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #191 *****
Loss: 4089.414693
Feature norm: 69.754116
Error norm: 128.320341
Active features: 3710
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.489

***** Iteration #192 *****
Loss: 4088.835491
Feature norm: 69.770650
Error norm: 114.773798
Active features: 3704
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #193 *****
Loss: 4088.353998
Feature norm: 69.831699

Error norm: 118.117614
Active features: 3695
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.479

***** Iteration #194 *****
Loss: 4087.797259
Feature norm: 69.844935
Error norm: 98.096127
Active features: 3699
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.481

***** Iteration #195 *****
Loss: 4087.455851
Feature norm: 69.897132
Error norm: 119.180406
Active features: 3707
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.431

***** Iteration #196 *****
Loss: 4086.901994
Feature norm: 69.910617
Error norm: 107.360030
Active features: 3699
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #197 *****
Loss: 4086.498894
Feature norm: 69.961191
Error norm: 119.131462
Active features: 3699
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #198 *****
Loss: 4085.956847
Feature norm: 69.976396
Error norm: 114.865930
Active features: 3694
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #199 *****
Loss: 4085.508211
Feature norm: 70.031002
Error norm: 122.701199
Active features: 3688
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #200 *****
Loss: 4084.991399
Feature norm: 70.038119
Error norm: 123.451645
Active features: 3677
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #201 *****
Loss: 4084.405795
Feature norm: 70.092971
Error norm: 113.588493
Active features: 3670
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #202 *****
Loss: 4083.925646
Feature norm: 70.102421
Error norm: 120.712368
Active features: 3663
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #203 *****
Loss: 4083.432518
Feature norm: 70.149645
Error norm: 117.101542
Active features: 3654
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #204 *****
Loss: 4082.895956
Feature norm: 70.157523
Error norm: 112.862095
Active features: 3652
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #205 *****
Loss: 4082.378470
Feature norm: 70.205844
Error norm: 111.924777
Active features: 3655
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #206 *****
Loss: 4081.897221
Feature norm: 70.216132
Error norm: 111.565403
Active features: 3662
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.486

***** Iteration #207 *****
Loss: 4081.555532
Feature norm: 70.270132
Error norm: 125.327494
Active features: 3662
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #208 *****
Loss: 4081.024412
Feature norm: 70.278978
Error norm: 116.234764
Active features: 3663
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #209 *****
Loss: 4080.559612
Feature norm: 70.323532

Error norm: 108.152678
Active features: 3663
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #210 *****
Loss: 4080.131358
Feature norm: 70.338424
Error norm: 111.679891
Active features: 3659
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #211 *****
Loss: 4079.655978
Feature norm: 70.377507
Error norm: 98.667237
Active features: 3651
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #212 *****
Loss: 4079.246417
Feature norm: 70.392322
Error norm: 108.240660
Active features: 3649
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #213 *****
Loss: 4078.723962
Feature norm: 70.429308
Error norm: 94.251551
Active features: 3636
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #214 *****
Loss: 4078.361702
Feature norm: 70.442745
Error norm: 107.665133
Active features: 3631
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.446

***** Iteration #215 *****
Loss: 4077.928029
Feature norm: 70.485023
Error norm: 111.773676
Active features: 3613
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #216 *****
Loss: 4077.476582
Feature norm: 70.498516
Error norm: 114.582168
Active features: 3613
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.465

***** Iteration #217 *****
Loss: 4077.029728
Feature norm: 70.541965
Error norm: 115.304846
Active features: 3606
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.421

***** Iteration #218 *****
Loss: 4076.698994
Feature norm: 70.547795
Error norm: 117.394519
Active features: 3605
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #219 *****
Loss: 4076.128697
Feature norm: 70.600661
Error norm: 100.291157
Active features: 3607
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #220 *****
Loss: 4075.797391
Feature norm: 70.606266
Error norm: 105.810067
Active features: 3605
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #221 *****
Loss: 4075.307666
Feature norm: 70.642152
Error norm: 93.253278
Active features: 3597
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.454

***** Iteration #222 *****
Loss: 4074.985234
Feature norm: 70.653650
Error norm: 100.771270
Active features: 3601
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #223 *****
Loss: 4074.578858
Feature norm: 70.691309
Error norm: 99.400816
Active features: 3598
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #224 *****
Loss: 4074.238662
Feature norm: 70.696085
Error norm: 103.620868
Active features: 3590
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.469

***** Iteration #225 *****
Loss: 4073.850670
Feature norm: 70.742082

Error norm: 105.756142
Active features: 3578
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #226 *****
Loss: 4073.457379
Feature norm: 70.741124
Error norm: 100.563449
Active features: 3573
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #227 *****
Loss: 4073.108204
Feature norm: 70.785756
Error norm: 109.546332
Active features: 3563
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #228 *****
Loss: 4072.730716
Feature norm: 70.785436
Error norm: 102.098907
Active features: 3557
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #229 *****
Loss: 4072.362183
Feature norm: 70.832278
Error norm: 106.350679
Active features: 3543
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #230 *****
Loss: 4071.887163
Feature norm: 70.831392
Error norm: 93.418801
Active features: 3543
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #231 *****
Loss: 4071.505865
Feature norm: 70.856375
Error norm: 81.439602
Active features: 3537
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #232 *****
Loss: 4071.175283
Feature norm: 70.858395
Error norm: 103.935750
Active features: 3533
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #233 *****
Loss: 4070.727360
Feature norm: 70.889585
Error norm: 100.032175
Active features: 3524
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #234 *****
Loss: 4070.320003
Feature norm: 70.891898
Error norm: 119.129368
Active features: 3522
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.432

***** Iteration #235 *****
Loss: 4069.718260
Feature norm: 70.914113
Error norm: 112.004294
Active features: 3512
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #236 *****
Loss: 4069.357088
Feature norm: 70.913619
Error norm: 135.015815
Active features: 3512
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.446

***** Iteration #237 *****
Loss: 4068.890714
Feature norm: 70.952258
Error norm: 124.339519
Active features: 3492
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.459

***** Iteration #238 *****
Loss: 4068.503832
Feature norm: 70.953692
Error norm: 122.647401
Active features: 3490
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #239 *****
Loss: 4067.818822
Feature norm: 70.981325
Error norm: 93.207984
Active features: 3479
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.483

***** Iteration #240 *****
Loss: 4067.530781
Feature norm: 70.977998
Error norm: 103.704648
Active features: 3481
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #241 *****
Loss: 4066.936714
Feature norm: 70.997592

Error norm: 81.401593
Active features: 3481
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.446

***** Iteration #242 *****
Loss: 4066.605171
Feature norm: 70.992122
Error norm: 119.927191
Active features: 3472
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #243 *****
Loss: 4066.004926
Feature norm: 71.004630
Error norm: 86.647117
Active features: 3468
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #244 *****
Loss: 4065.548368
Feature norm: 71.002871
Error norm: 37.110716
Active features: 3454
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #245 *****
Loss: 4065.236296
Feature norm: 71.014146
Error norm: 61.997718
Active features: 3456
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #246 *****
Loss: 4064.849672
Feature norm: 71.010349
Error norm: 61.169054
Active features: 3453
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #247 *****
Loss: 4064.397438
Feature norm: 71.027125
Error norm: 69.782400
Active features: 3448
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #248 *****
Loss: 4063.953537
Feature norm: 71.028256
Error norm: 66.828712
Active features: 3442
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #249 *****
Loss: 4063.574615
Feature norm: 71.038501
Error norm: 70.260513
Active features: 3441
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #250 *****
Loss: 4063.136120
Feature norm: 71.041660
Error norm: 59.896785
Active features: 3433
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #251 *****
Loss: 4062.842888
Feature norm: 71.050348
Error norm: 67.179668
Active features: 3430
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.925

***** Iteration #252 *****
Loss: 4062.434551
Feature norm: 71.046682
Error norm: 51.862511
Active features: 3424
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #253 *****
Loss: 4062.177476
Feature norm: 71.058281
Error norm: 58.285812
Active features: 3418
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #254 *****
Loss: 4061.824755
Feature norm: 71.052678
Error norm: 44.682359
Active features: 3408
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.807

***** Iteration #255 *****
Loss: 4061.596798
Feature norm: 71.057064
Error norm: 56.002660
Active features: 3402
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #256 *****
Loss: 4061.563300
Feature norm: 71.051810
Error norm: 126.242847
Active features: 3399
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.428

***** Iteration #257 *****
Loss: 4060.917459
Feature norm: 71.068395

Error norm: 70.548280
Active features: 3402
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.423

***** Iteration #258 *****
Loss: 4060.603291
Feature norm: 71.067349
Error norm: 63.004272
Active features: 3391
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #259 *****
Loss: 4060.261565
Feature norm: 71.077035
Error norm: 54.566562
Active features: 3386
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #260 *****
Loss: 4060.042603
Feature norm: 71.079960
Error norm: 77.004380
Active features: 3387
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.416

***** Iteration #261 *****
Loss: 4059.754163
Feature norm: 71.096095
Error norm: 98.642422
Active features: 3378
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #262 *****
Loss: 4059.340981
Feature norm: 71.098335
Error norm: 72.453887
Active features: 3377
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.495

***** Iteration #263 *****
Loss: 4059.010482
Feature norm: 71.104552
Error norm: 83.672561
Active features: 3373
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #264 *****
Loss: 4058.681379
Feature norm: 71.104160
Error norm: 76.039866
Active features: 3376
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #265 *****
Loss: 4058.367083
Feature norm: 71.110685
Error norm: 90.444689
Active features: 3377
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #266 *****
Loss: 4058.086222
Feature norm: 71.111839
Error norm: 84.311474
Active features: 3374
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.424

***** Iteration #267 *****
Loss: 4057.722039
Feature norm: 71.112437
Error norm: 60.864525
Active features: 3375
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #268 *****
Loss: 4057.506703
Feature norm: 71.103944
Error norm: 70.151410
Active features: 3368
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #269 *****
Loss: 4057.314413
Feature norm: 71.102729
Error norm: 83.667141
Active features: 3364
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.437

***** Iteration #270 *****
Loss: 4057.077784
Feature norm: 71.104297
Error norm: 86.523170
Active features: 3361
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #271 *****
Loss: 4056.773033
Feature norm: 71.102498
Error norm: 76.258517
Active features: 3358
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.467

***** Iteration #272 *****
Loss: 4056.539140
Feature norm: 71.103120
Error norm: 74.007245
Active features: 3362
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #273 *****
Loss: 4056.279837
Feature norm: 71.096295

Error norm: 60.587576
Active features: 3365
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #274 *****
Loss: 4056.132283
Feature norm: 71.099159
Error norm: 90.641394
Active features: 3368
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #275 *****
Loss: 4055.818411
Feature norm: 71.099684
Error norm: 76.586461
Active features: 3362
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #276 *****
Loss: 4055.650146
Feature norm: 71.097857
Error norm: 101.876272
Active features: 3368
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #277 *****
Loss: 4055.408588
Feature norm: 71.098306
Error norm: 93.177525
Active features: 3371
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #278 *****
Loss: 4055.135724
Feature norm: 71.093614
Error norm: 96.650502
Active features: 3370
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.409

***** Iteration #279 *****
Loss: 4054.825903
Feature norm: 71.094335
Error norm: 77.362343
Active features: 3368
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #280 *****
Loss: 4054.650798
Feature norm: 71.088159
Error norm: 98.925472
Active features: 3364
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #281 *****
Loss: 4054.329958
Feature norm: 71.087739
Error norm: 74.341353
Active features: 3362
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #282 *****
Loss: 4054.174212
Feature norm: 71.082391
Error norm: 99.104745
Active features: 3362
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.468

***** Iteration #283 *****
Loss: 4053.878365
Feature norm: 71.084371
Error norm: 78.600777
Active features: 3359
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #284 *****
Loss: 4053.732720
Feature norm: 71.070713
Error norm: 103.734124
Active features: 3357
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #285 *****
Loss: 4053.413251
Feature norm: 71.075033
Error norm: 82.379688
Active features: 3357
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.458

***** Iteration #286 *****
Loss: 4053.253122
Feature norm: 71.054906
Error norm: 102.755045
Active features: 3349
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.436

***** Iteration #287 *****
Loss: 4052.871656
Feature norm: 71.059726
Error norm: 75.548940
Active features: 3347
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.405

***** Iteration #288 *****
Loss: 4052.662338
Feature norm: 71.039374
Error norm: 98.305665
Active features: 3352
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #289 *****
Loss: 4052.418994
Feature norm: 71.042275

Error norm: 90.274280
Active features: 3344
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.432

***** Iteration #290 *****
Loss: 4052.208625
Feature norm: 71.021161
Error norm: 104.364350
Active features: 3339
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.415

***** Iteration #291 *****
Loss: 4051.885217
Feature norm: 71.027940
Error norm: 79.519180
Active features: 3341
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.466

***** Iteration #292 *****
Loss: 4051.725217
Feature norm: 71.003604
Error norm: 103.084358
Active features: 3339
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #293 *****
Loss: 4051.413397
Feature norm: 71.015445
Error norm: 78.144868
Active features: 3345
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #294 *****
Loss: 4051.248625
Feature norm: 70.990458
Error norm: 95.011688
Active features: 3341
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #295 *****
Loss: 4050.929890
Feature norm: 71.000638
Error norm: 68.068769
Active features: 3338
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #296 *****
Loss: 4050.768337
Feature norm: 70.977251
Error norm: 87.234908
Active features: 3340
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #297 *****
Loss: 4050.510696
Feature norm: 70.989139
Error norm: 75.150687
Active features: 3342
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #298 *****
Loss: 4050.375790
Feature norm: 70.966281
Error norm: 95.480485
Active features: 3328
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.450

***** Iteration #299 *****
Loss: 4050.039001
Feature norm: 70.975930
Error norm: 70.293469
Active features: 3328
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #300 *****
Loss: 4049.960099
Feature norm: 70.954055
Error norm: 97.449802
Active features: 3330
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #301 *****
Loss: 4049.610575
Feature norm: 70.966548
Error norm: 67.298168
Active features: 3329
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #302 *****
Loss: 4049.548901
Feature norm: 70.942803
Error norm: 94.120042
Active features: 3327
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.459

***** Iteration #303 *****
Loss: 4049.214433
Feature norm: 70.955915
Error norm: 56.513857
Active features: 3325
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #304 *****
Loss: 4049.144251
Feature norm: 70.935344
Error norm: 83.654023
Active features: 3328
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.462

***** Iteration #305 *****
Loss: 4048.881746
Feature norm: 70.947177

Error norm: 57.336158
Active features: 3331
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.467

***** Iteration #306 *****
Loss: 4048.823523
Feature norm: 70.928223
Error norm: 83.646040
Active features: 3327
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #307 *****
Loss: 4048.547104
Feature norm: 70.938891
Error norm: 56.968774
Active features: 3322
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.416

***** Iteration #308 *****
Loss: 4048.449780
Feature norm: 70.920954
Error norm: 82.148785
Active features: 3328
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #309 *****
Loss: 4048.222342
Feature norm: 70.932119
Error norm: 65.306371
Active features: 3325
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.420

***** Iteration #310 *****
Loss: 4048.148604
Feature norm: 70.910065
Error norm: 89.252797
Active features: 3321
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.424

***** Iteration #311 *****
Loss: 4047.863029
Feature norm: 70.920871
Error norm: 62.842337
Active features: 3320
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.415

***** Iteration #312 *****
Loss: 4047.772254
Feature norm: 70.903441
Error norm: 82.855777
Active features: 3319
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.388

***** Iteration #313 *****
Loss: 4047.535119
Feature norm: 70.911237
Error norm: 64.915679
Active features: 3325
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #314 *****
Loss: 4047.423475
Feature norm: 70.891278
Error norm: 75.903308
Active features: 3325
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.454

***** Iteration #315 *****
Loss: 4047.210482
Feature norm: 70.903164
Error norm: 67.330066
Active features: 3326
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #316 *****
Loss: 4047.090819
Feature norm: 70.881904
Error norm: 71.177406
Active features: 3335
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #317 *****
Loss: 4046.923661
Feature norm: 70.891161
Error norm: 74.232630
Active features: 3332
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #318 *****
Loss: 4046.743280
Feature norm: 70.871917
Error norm: 67.017985
Active features: 3331
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.423

***** Iteration #319 *****
Loss: 4046.600834
Feature norm: 70.875484
Error norm: 79.285068
Active features: 3317
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #320 *****
Loss: 4046.424146
Feature norm: 70.864082
Error norm: 70.664461
Active features: 3310
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.422

***** Iteration #321 *****
Loss: 4046.237030
Feature norm: 70.865338

Error norm: 79.187203
Active features: 3305
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.440

***** Iteration #322 *****
Loss: 4046.071986
Feature norm: 70.858210
Error norm: 68.972129
Active features: 3303
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #323 *****
Loss: 4045.932359
Feature norm: 70.863826
Error norm: 83.066834
Active features: 3305
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #324 *****
Loss: 4045.765112
Feature norm: 70.847650
Error norm: 74.024300
Active features: 3307
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.412

***** Iteration #325 *****
Loss: 4045.546956
Feature norm: 70.854293
Error norm: 76.466014
Active features: 3300
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.490

***** Iteration #326 *****
Loss: 4045.402125
Feature norm: 70.843933
Error norm: 73.193592
Active features: 3304
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #327 *****
Loss: 4045.173595
Feature norm: 70.849517
Error norm: 60.476905
Active features: 3297
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #328 *****
Loss: 4045.022339
Feature norm: 70.838801
Error norm: 82.298640
Active features: 3334
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #329 *****
Loss: 4044.724285
Feature norm: 70.843768
Error norm: 54.572007
Active features: 3314
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.406

***** Iteration #330 *****
Loss: 4044.636307
Feature norm: 70.826482
Error norm: 106.543286
Active features: 3310
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.475

***** Iteration #331 *****
Loss: 4044.318656
Feature norm: 70.837601
Error norm: 82.081993
Active features: 3310
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #332 *****
Loss: 4044.242600
Feature norm: 70.820217
Error norm: 112.326190
Active features: 3322
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.427

***** Iteration #333 *****
Loss: 4043.850055
Feature norm: 70.829826
Error norm: 73.346358
Active features: 3323
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #334 *****
Loss: 4043.719519
Feature norm: 70.811749
Error norm: 95.745268
Active features: 3319
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #335 *****
Loss: 4043.414656
Feature norm: 70.821815
Error norm: 64.179198
Active features: 3316
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #336 *****
Loss: 4043.272236
Feature norm: 70.806564
Error norm: 88.060447
Active features: 3313
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #337 *****
Loss: 4042.984618
Feature norm: 70.813496

Error norm: 63.024788
Active features: 3309
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #338 *****
Loss: 4042.854252
Feature norm: 70.802354
Error norm: 94.822869
Active features: 3315
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #339 *****
Loss: 4042.590653
Feature norm: 70.809286
Error norm: 79.958539
Active features: 3312
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.421

***** Iteration #340 *****
Loss: 4042.441606
Feature norm: 70.794125
Error norm: 99.463818
Active features: 3306
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.444

***** Iteration #341 *****
Loss: 4042.139287
Feature norm: 70.800749
Error norm: 77.539486
Active features: 3294
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #342 *****
Loss: 4041.953808
Feature norm: 70.786518
Error norm: 84.045317
Active features: 3291
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.466

***** Iteration #343 *****
Loss: 4041.704631
Feature norm: 70.789883
Error norm: 69.124334
Active features: 3289
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.417

***** Iteration #344 *****
Loss: 4041.569129
Feature norm: 70.778455
Error norm: 84.570433
Active features: 3280
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #345 *****
Loss: 4041.303283
Feature norm: 70.780680
Error norm: 71.109857
Active features: 3278
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #346 *****
Loss: 4041.227850
Feature norm: 70.763737
Error norm: 96.783109
Active features: 3274
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #347 *****
Loss: 4040.929895
Feature norm: 70.766332
Error norm: 70.656302
Active features: 3280
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.441

***** Iteration #348 *****
Loss: 4040.842141
Feature norm: 70.750260
Error norm: 93.223658
Active features: 3276
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #349 *****
Loss: 4040.542199
Feature norm: 70.750547
Error norm: 62.824381
Active features: 3274
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #350 *****
Loss: 4040.453568
Feature norm: 70.734394
Error norm: 78.039522
Active features: 3272
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #351 *****
Loss: 4040.222037
Feature norm: 70.741708
Error norm: 63.588412
Active features: 3275
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.433

***** Iteration #352 *****
Loss: 4040.119120
Feature norm: 70.723173
Error norm: 72.486389
Active features: 3283
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #353 *****
Loss: 4039.929523
Feature norm: 70.729524

Error norm: 69.234378
Active features: 3286
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #354 *****
Loss: 4039.805250
Feature norm: 70.711010
Error norm: 71.566488
Active features: 3290
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #355 *****
Loss: 4039.625624
Feature norm: 70.718718
Error norm: 75.417023
Active features: 3291
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.465

***** Iteration #356 *****
Loss: 4039.453096
Feature norm: 70.698174
Error norm: 68.446901
Active features: 3285
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.470

***** Iteration #357 *****
Loss: 4039.298400
Feature norm: 70.706333
Error norm: 77.193342
Active features: 3284
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #358 *****
Loss: 4039.134442
Feature norm: 70.685301
Error norm: 71.049851
Active features: 3278
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.461

***** Iteration #359 *****
Loss: 4038.958332
Feature norm: 70.692895
Error norm: 75.831509
Active features: 3279
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #360 *****
Loss: 4038.788709
Feature norm: 70.672604
Error norm: 67.535871
Active features: 3274
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.457

***** Iteration #361 *****
Loss: 4038.658311
Feature norm: 70.679621
Error norm: 76.696814
Active features: 3267
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.453

***** Iteration #362 *****
Loss: 4038.448189
Feature norm: 70.661589
Error norm: 59.051889
Active features: 3269
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.494

***** Iteration #363 *****
Loss: 4038.336393
Feature norm: 70.663542
Error norm: 66.598097
Active features: 3265
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #364 *****
Loss: 4038.175023
Feature norm: 70.649984
Error norm: 54.436193
Active features: 3267
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.447

***** Iteration #365 *****
Loss: 4038.044875
Feature norm: 70.651573
Error norm: 60.740139
Active features: 3262
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.467

***** Iteration #366 *****
Loss: 4037.915940
Feature norm: 70.638914
Error norm: 58.042874
Active features: 3260
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #367 *****
Loss: 4037.806236
Feature norm: 70.638286
Error norm: 73.720937
Active features: 3261
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.435

***** Iteration #368 *****
Loss: 4037.594402
Feature norm: 70.630600
Error norm: 28.362948
Active features: 3280
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #369 *****
Loss: 4037.571445
Feature norm: 70.621292

Error norm: 94.620489
Active features: 3280
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #370 *****
Loss: 4037.436336
Feature norm: 70.616451
Error norm: 88.731135
Active features: 3280
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #371 *****
Loss: 4037.316309
Feature norm: 70.613571
Error norm: 88.266421
Active features: 3277
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #372 *****
Loss: 4037.036072
Feature norm: 70.607830
Error norm: 25.857861
Active features: 3277
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #373 *****
Loss: 4036.982536
Feature norm: 70.605819
Error norm: 51.274314
Active features: 3280
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #374 *****
Loss: 4036.873107
Feature norm: 70.602742
Error norm: 47.835862
Active features: 3276
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #375 *****
Loss: 4036.816894
Feature norm: 70.596129
Error norm: 63.987834
Active features: 3271
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #376 *****
Loss: 4036.642807
Feature norm: 70.594459
Error norm: 23.195726
Active features: 3272
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #377 *****
Loss: 4036.604461
Feature norm: 70.590713
Error norm: 57.860672
Active features: 3266
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.920

***** Iteration #378 *****
Loss: 4036.461666
Feature norm: 70.590364
Error norm: 32.038841
Active features: 3266
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.854

***** Iteration #379 *****
Loss: 4036.413438
Feature norm: 70.586177
Error norm: 60.466068
Active features: 3267
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #380 *****
Loss: 4036.254713
Feature norm: 70.584429
Error norm: 30.352687
Active features: 3265
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #381 *****
Loss: 4036.194687
Feature norm: 70.580830
Error norm: 54.882216
Active features: 3262
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.931

***** Iteration #382 *****
Loss: 4036.058858
Feature norm: 70.577067
Error norm: 32.917303
Active features: 3260
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #383 *****
Loss: 4035.984443
Feature norm: 70.572829
Error norm: 50.290482
Active features: 3256
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #384 *****
Loss: 4035.856870
Feature norm: 70.571278
Error norm: 32.684224
Active features: 3260
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #385 *****
Loss: 4035.774621
Feature norm: 70.569361

Error norm: 47.007968
Active features: 3264
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #386 *****
Loss: 4035.678079
Feature norm: 70.567135
Error norm: 36.424847
Active features: 3263
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #387 *****
Loss: 4035.593107
Feature norm: 70.564567
Error norm: 46.925790
Active features: 3262
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #388 *****
Loss: 4035.482455
Feature norm: 70.561924
Error norm: 30.605624
Active features: 3253
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #389 *****
Loss: 4035.405403
Feature norm: 70.558254
Error norm: 46.302613
Active features: 3247
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #390 *****
Loss: 4035.298223
Feature norm: 70.556250
Error norm: 29.667383
Active features: 3246
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #391 *****
Loss: 4035.211185
Feature norm: 70.553367
Error norm: 44.477124
Active features: 3248
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #392 *****
Loss: 4035.097553
Feature norm: 70.550151
Error norm: 27.469125
Active features: 3248
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #393 *****
Loss: 4035.017505
Feature norm: 70.548001
Error norm: 45.467018
Active features: 3245
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #394 *****
Loss: 4034.909532
Feature norm: 70.546805
Error norm: 32.859347
Active features: 3250
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #395 *****
Loss: 4034.826979
Feature norm: 70.542816
Error norm: 44.852680
Active features: 3250
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #396 *****
Loss: 4034.730781
Feature norm: 70.543601
Error norm: 31.927354
Active features: 3246
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.831

***** Iteration #397 *****
Loss: 4034.668583
Feature norm: 70.538055
Error norm: 48.396052
Active features: 3241
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #398 *****
Loss: 4034.560145
Feature norm: 70.539675
Error norm: 23.956742
Active features: 3246
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #399 *****
Loss: 4034.506332
Feature norm: 70.536475
Error norm: 40.136000
Active features: 3244
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.931

***** Iteration #400 *****
Loss: 4034.417432
Feature norm: 70.537449
Error norm: 22.437031
Active features: 3242
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.942

***** Iteration #401 *****
Loss: 4034.357051
Feature norm: 70.533755

Error norm: 37.734286
Active features: 3241
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #402 *****
Loss: 4034.270874
Feature norm: 70.535670
Error norm: 23.359348
Active features: 3237
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #403 *****
Loss: 4034.208077
Feature norm: 70.532750
Error norm: 41.393144
Active features: 3230
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #404 *****
Loss: 4034.111078
Feature norm: 70.534592
Error norm: 29.322277
Active features: 3236
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #405 *****
Loss: 4034.046722
Feature norm: 70.529567
Error norm: 42.101427
Active features: 3241
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.926

***** Iteration #406 *****
Loss: 4033.946669
Feature norm: 70.531925
Error norm: 27.400564
Active features: 3237
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #407 *****
Loss: 4033.880173
Feature norm: 70.526542
Error norm: 38.251163
Active features: 3231
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #408 *****
Loss: 4033.792082
Feature norm: 70.528154
Error norm: 27.147148
Active features: 3230
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.949

***** Iteration #409 *****
Loss: 4033.733771
Feature norm: 70.523948
Error norm: 37.878303
Active features: 3231
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #410 *****
Loss: 4033.646998
Feature norm: 70.522140
Error norm: 25.799521
Active features: 3232
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #411 *****
Loss: 4033.587159
Feature norm: 70.522612
Error norm: 35.555709
Active features: 3222
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #412 *****
Loss: 4033.510491
Feature norm: 70.518385
Error norm: 28.269334
Active features: 3224
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #413 *****
Loss: 4033.443349
Feature norm: 70.518656
Error norm: 35.533472
Active features: 3226
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #414 *****
Loss: 4033.369024
Feature norm: 70.518405
Error norm: 29.865591
Active features: 3229
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #415 *****
Loss: 4033.300607
Feature norm: 70.515662
Error norm: 34.546011
Active features: 3226
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #416 *****
Loss: 4033.226501
Feature norm: 70.515680
Error norm: 29.442110
Active features: 3220
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #417 *****
Loss: 4033.161270
Feature norm: 70.511379

Error norm: 34.473514
Active features: 3217
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #418 *****
Loss: 4033.082153
Feature norm: 70.511620
Error norm: 25.680506
Active features: 3204
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #419 *****
Loss: 4033.023735
Feature norm: 70.507844
Error norm: 34.488122
Active features: 3203
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #420 *****
Loss: 4032.934896
Feature norm: 70.505579
Error norm: 26.636093
Active features: 3203
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #421 *****
Loss: 4032.881578
Feature norm: 70.504528
Error norm: 35.487373
Active features: 3204
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #422 *****
Loss: 4032.795686
Feature norm: 70.499071
Error norm: 30.642172
Active features: 3199
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.949

***** Iteration #423 *****
Loss: 4032.729266
Feature norm: 70.498896
Error norm: 33.568392
Active features: 3199
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #424 *****
Loss: 4032.647783
Feature norm: 70.494621
Error norm: 32.133305
Active features: 3191
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.827

***** Iteration #425 *****
Loss: 4032.583416
Feature norm: 70.492931
Error norm: 31.505523
Active features: 3185
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #426 *****
Loss: 4032.509691
Feature norm: 70.491070
Error norm: 31.615641
Active features: 3179
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #427 *****
Loss: 4032.445900
Feature norm: 70.489779
Error norm: 29.548538
Active features: 3177
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #428 *****
Loss: 4032.379561
Feature norm: 70.490285
Error norm: 26.929704
Active features: 3167
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #429 *****
Loss: 4032.319878
Feature norm: 70.486881
Error norm: 29.219134
Active features: 3168
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #430 *****
Loss: 4032.252914
Feature norm: 70.485286
Error norm: 23.953817
Active features: 3167
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.938

***** Iteration #431 *****
Loss: 4032.199977
Feature norm: 70.483335
Error norm: 31.526106
Active features: 3168
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #432 *****
Loss: 4032.132925
Feature norm: 70.481937
Error norm: 25.482190
Active features: 3160
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #433 *****
Loss: 4032.088537
Feature norm: 70.479579

Error norm: 33.805768
Active features: 3160
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #434 *****
Loss: 4032.015691
Feature norm: 70.478295
Error norm: 23.546915
Active features: 3162
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #435 *****
Loss: 4031.967245
Feature norm: 70.476019
Error norm: 31.938371
Active features: 3160
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #436 *****
Loss: 4031.906817
Feature norm: 70.476787
Error norm: 24.222541
Active features: 3152
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #437 *****
Loss: 4031.865574
Feature norm: 70.474118
Error norm: 24.137906
Active features: 3148
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #438 *****
Loss: 4031.816803
Feature norm: 70.474235
Error norm: 20.339650
Active features: 3147
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #439 *****
Loss: 4031.769774
Feature norm: 70.471896
Error norm: 26.551736
Active features: 3142
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #440 *****
Loss: 4031.754743
Feature norm: 70.464577
Error norm: 62.805813
Active features: 3139
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.477

***** Iteration #441 *****
Loss: 4031.634487
Feature norm: 70.458562
Error norm: 49.479988
Active features: 3138
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.538

***** Iteration #442 *****
Loss: 4031.546858
Feature norm: 70.451143
Error norm: 42.303882
Active features: 3145
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.473

***** Iteration #443 *****
Loss: 4031.511451
Feature norm: 70.445571
Error norm: 45.977345
Active features: 3140
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.406

***** Iteration #444 *****
Loss: 4031.433799
Feature norm: 70.440613
Error norm: 44.169474
Active features: 3149
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.420

***** Iteration #445 *****
Loss: 4031.380070
Feature norm: 70.434528
Error norm: 39.832277
Active features: 3155
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.445

***** Iteration #446 *****
Loss: 4031.312847
Feature norm: 70.430824
Error norm: 38.427728
Active features: 3151
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.430

***** Iteration #447 *****
Loss: 4031.243026
Feature norm: 70.423012
Error norm: 33.088148
Active features: 3151
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.448

***** Iteration #448 *****
Loss: 4031.201431
Feature norm: 70.418877
Error norm: 43.015373
Active features: 3150
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.412

***** Iteration #449 *****
Loss: 4031.149312
Feature norm: 70.412895

Error norm: 42.505719
Active features: 3152
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #450 *****
Loss: 4031.100749
Feature norm: 70.406823
Error norm: 48.268562
Active features: 3150
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.434

***** Iteration #451 *****
Loss: 4031.034850
Feature norm: 70.398868
Error norm: 46.902072
Active features: 3148
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #452 *****
Loss: 4030.969527
Feature norm: 70.393090
Error norm: 48.115812
Active features: 3152
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.443

***** Iteration #453 *****
Loss: 4030.913161
Feature norm: 70.382599
Error norm: 46.512690
Active features: 3150
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #454 *****
Loss: 4030.828232
Feature norm: 70.377087
Error norm: 42.059192
Active features: 3147
Line search trials: 1

Line search step: 1.000000
Seconds required for this iteration: 0.426

***** Iteration #455 *****
Loss: 4030.781611
Feature norm: 70.367798
Error norm: 44.998047
Active features: 3148
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.439

***** Iteration #456 *****
Loss: 4030.715426
Feature norm: 70.362229
Error norm: 45.215999
Active features: 3150
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #457 *****
Loss: 4030.665166
Feature norm: 70.351367
Error norm: 47.778112
Active features: 3147
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.485

***** Iteration #458 *****
Loss: 4030.598626
Feature norm: 70.344751
Error norm: 46.623254
Active features: 3146
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #459 *****
Loss: 4030.554384
Feature norm: 70.335632
Error norm: 48.565830
Active features: 3148
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.473

***** Iteration #460 *****
Loss: 4030.486986
Feature norm: 70.329701
Error norm: 42.944234
Active features: 3151
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #461 *****
Loss: 4030.441620
Feature norm: 70.320849
Error norm: 45.692481
Active features: 3146
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.471

***** Iteration #462 *****
Loss: 4030.378333
Feature norm: 70.315305
Error norm: 39.392456
Active features: 3144
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #463 *****
Loss: 4030.333418
Feature norm: 70.308238
Error norm: 44.747337
Active features: 3145
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.465

***** Iteration #464 *****
Loss: 4030.288509
Feature norm: 70.305148
Error norm: 37.412472
Active features: 3145
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #465 *****
Loss: 4030.248233
Feature norm: 70.296287

Error norm: 45.644651
Active features: 3142
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.463

***** Iteration #466 *****
Loss: 4030.192964
Feature norm: 70.293437
Error norm: 32.515373
Active features: 3146
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.438

***** Iteration #467 *****
Loss: 4030.157367
Feature norm: 70.285115
Error norm: 48.504836
Active features: 3149
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.416

***** Iteration #468 *****
Loss: 4030.080503
Feature norm: 70.279739
Error norm: 32.145487
Active features: 3149
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.451

***** Iteration #469 *****
Loss: 4030.027964
Feature norm: 70.275807
Error norm: 19.150533
Active features: 3152
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #470 *****
Loss: 4030.001884
Feature norm: 70.270186
Error norm: 30.314429
Active features: 3145
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #471 *****
Loss: 4029.954998
Feature norm: 70.265807
Error norm: 27.197030
Active features: 3145
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #472 *****
Loss: 4029.919440
Feature norm: 70.259715
Error norm: 34.810381
Active features: 3148
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #473 *****
Loss: 4029.861266
Feature norm: 70.253884
Error norm: 29.539688
Active features: 3151
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #474 *****
Loss: 4029.820783
Feature norm: 70.247576
Error norm: 35.871462
Active features: 3146
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #475 *****
Loss: 4029.762530
Feature norm: 70.240600
Error norm: 30.392504
Active features: 3147
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #476 *****
Loss: 4029.715059
Feature norm: 70.236198
Error norm: 33.146611
Active features: 3147
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #477 *****
Loss: 4029.657326
Feature norm: 70.229010
Error norm: 28.911288
Active features: 3138
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #478 *****
Loss: 4029.614164
Feature norm: 70.224290
Error norm: 34.625954
Active features: 3142
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #479 *****
Loss: 4029.551742
Feature norm: 70.219523
Error norm: 29.142321
Active features: 3139
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #480 *****
Loss: 4029.510336
Feature norm: 70.211671
Error norm: 34.716418
Active features: 3136
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #481 *****
Loss: 4029.451771
Feature norm: 70.206895

Error norm: 29.528059
Active features: 3136
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #482 *****
Loss: 4029.407554
Feature norm: 70.199394
Error norm: 31.078622
Active features: 3135
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #483 *****
Loss: 4029.355500
Feature norm: 70.193930
Error norm: 26.436917
Active features: 3132
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #484 *****
Loss: 4029.316704
Feature norm: 70.186422
Error norm: 29.493330
Active features: 3131
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #485 *****
Loss: 4029.269169
Feature norm: 70.179555
Error norm: 27.120898
Active features: 3134
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #486 *****
Loss: 4029.232931
Feature norm: 70.171597
Error norm: 28.344016
Active features: 3131
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.959

***** Iteration #487 *****
Loss: 4029.191210
Feature norm: 70.164315
Error norm: 27.278752
Active features: 3130
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #488 *****
Loss: 4029.154339
Feature norm: 70.159031
Error norm: 27.548699
Active features: 3129
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #489 *****
Loss: 4029.111218
Feature norm: 70.152980
Error norm: 25.627711
Active features: 3128
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #490 *****
Loss: 4029.075457
Feature norm: 70.148681
Error norm: 27.980486
Active features: 3124
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #491 *****
Loss: 4029.034289
Feature norm: 70.142309
Error norm: 27.489390
Active features: 3124
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #492 *****
Loss: 4028.999093
Feature norm: 70.137297
Error norm: 28.940665
Active features: 3125
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #493 *****
Loss: 4028.956336
Feature norm: 70.129970
Error norm: 26.927272
Active features: 3127
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.804

***** Iteration #494 *****
Loss: 4028.922916
Feature norm: 70.125246
Error norm: 28.411384
Active features: 3133
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.831

***** Iteration #495 *****
Loss: 4028.882749
Feature norm: 70.119738
Error norm: 26.030630
Active features: 3133
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.796

***** Iteration #496 *****
Loss: 4028.848587
Feature norm: 70.115425
Error norm: 26.987597
Active features: 3133
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #497 *****
Loss: 4028.810759
Feature norm: 70.110170

Error norm: 25.084586
Active features: 3135
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #498 *****
Loss: 4028.774894
Feature norm: 70.104018
Error norm: 25.194766
Active features: 3138
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #499 *****
Loss: 4028.740999
Feature norm: 70.099614
Error norm: 27.425802
Active features: 3137
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #500 *****
Loss: 4028.706088
Feature norm: 70.093424
Error norm: 26.885457
Active features: 3135
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #501 *****
Loss: 4028.668972
Feature norm: 70.089065
Error norm: 28.955152
Active features: 3131
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #502 *****
Loss: 4028.631110
Feature norm: 70.082970
Error norm: 26.707956
Active features: 3130
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #503 *****
Loss: 4028.592900
Feature norm: 70.080373
Error norm: 29.724478
Active features: 3127
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #504 *****
Loss: 4028.555055
Feature norm: 70.073811
Error norm: 24.535722
Active features: 3126
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.931

***** Iteration #505 *****
Loss: 4028.520959
Feature norm: 70.069758
Error norm: 29.538345
Active features: 3122
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #506 *****
Loss: 4028.481894
Feature norm: 70.065028
Error norm: 22.912507
Active features: 3122
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #507 *****
Loss: 4028.452065
Feature norm: 70.060745
Error norm: 29.068123
Active features: 3122
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #508 *****
Loss: 4028.414482
Feature norm: 70.056665
Error norm: 22.795759
Active features: 3128
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #509 *****
Loss: 4028.385543
Feature norm: 70.053167
Error norm: 27.723455
Active features: 3128
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #510 *****
Loss: 4028.349482
Feature norm: 70.048769
Error norm: 23.055599
Active features: 3131
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #511 *****
Loss: 4028.319954
Feature norm: 70.043848
Error norm: 27.202369
Active features: 3128
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #512 *****
Loss: 4028.285026
Feature norm: 70.040606
Error norm: 24.131075
Active features: 3130
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.967

***** Iteration #513 *****
Loss: 4028.252978
Feature norm: 70.034539

Error norm: 26.601147
Active features: 3123
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #514 *****
Loss: 4028.218361
Feature norm: 70.029899
Error norm: 24.018948
Active features: 3119
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #515 *****
Loss: 4028.187623
Feature norm: 70.023785
Error norm: 26.697001
Active features: 3116
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.965

***** Iteration #516 *****
Loss: 4028.152783
Feature norm: 70.019281
Error norm: 24.487397
Active features: 3116
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #517 *****
Loss: 4028.123681
Feature norm: 70.012760
Error norm: 26.813100
Active features: 3114
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #518 *****
Loss: 4028.089368
Feature norm: 70.008281
Error norm: 24.866257
Active features: 3112
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #519 *****
Loss: 4028.055028
Feature norm: 70.003471
Error norm: 25.559710
Active features: 3115
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #520 *****
Loss: 4028.021849
Feature norm: 69.999113
Error norm: 24.161735
Active features: 3115
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #521 *****
Loss: 4027.989390
Feature norm: 69.994438
Error norm: 27.083951
Active features: 3113
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #522 *****
Loss: 4027.956859
Feature norm: 69.990567
Error norm: 23.722579
Active features: 3111
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #523 *****
Loss: 4027.926824
Feature norm: 69.984786
Error norm: 29.091484
Active features: 3110
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #524 *****
Loss: 4027.888368
Feature norm: 69.978204
Error norm: 22.098731
Active features: 3111
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.926

***** Iteration #525 *****
Loss: 4027.859742
Feature norm: 69.974765
Error norm: 29.718760
Active features: 3111
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #526 *****
Loss: 4027.819250
Feature norm: 69.970842
Error norm: 21.901992
Active features: 3111
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #527 *****
Loss: 4027.790323
Feature norm: 69.966400
Error norm: 30.572515
Active features: 3111
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #528 *****
Loss: 4027.747754
Feature norm: 69.963529
Error norm: 21.509113
Active features: 3110
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #529 *****
Loss: 4027.724028
Feature norm: 69.958078

Error norm: 30.760355
Active features: 3109
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #530 *****
Loss: 4027.680674
Feature norm: 69.954539
Error norm: 20.400216
Active features: 3112
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #531 *****
Loss: 4027.656801
Feature norm: 69.948832
Error norm: 29.067360
Active features: 3112
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #532 *****
Loss: 4027.617327
Feature norm: 69.946246
Error norm: 21.717862
Active features: 3112
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #533 *****
Loss: 4027.593102
Feature norm: 69.941199
Error norm: 30.251349
Active features: 3110
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #534 *****
Loss: 4027.552575
Feature norm: 69.937205
Error norm: 22.108013
Active features: 3103
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.939

***** Iteration #535 *****
Loss: 4027.525519
Feature norm: 69.934248
Error norm: 28.797919
Active features: 3101
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #536 *****
Loss: 4027.485557
Feature norm: 69.929656
Error norm: 21.856538
Active features: 3101
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #537 *****
Loss: 4027.461148
Feature norm: 69.926449
Error norm: 28.853761
Active features: 3101
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #538 *****
Loss: 4027.422606
Feature norm: 69.924227
Error norm: 21.329259
Active features: 3100
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #539 *****
Loss: 4027.397732
Feature norm: 69.919489
Error norm: 28.096333
Active features: 3097
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #540 *****
Loss: 4027.361832
Feature norm: 69.915771
Error norm: 21.994678
Active features: 3097
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #541 *****
Loss: 4027.336393
Feature norm: 69.912482
Error norm: 28.180388
Active features: 3099
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #542 *****
Loss: 4027.300802
Feature norm: 69.909064
Error norm: 22.288142
Active features: 3098
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #543 *****
Loss: 4027.275660
Feature norm: 69.904486
Error norm: 28.056372
Active features: 3099
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #544 *****
Loss: 4027.241462
Feature norm: 69.900836
Error norm: 22.669060
Active features: 3100
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #545 *****
Loss: 4027.216977
Feature norm: 69.897224

Error norm: 29.024909
Active features: 3100
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #546 *****
Loss: 4027.182259
Feature norm: 69.894414
Error norm: 22.398336
Active features: 3101
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #547 *****
Loss: 4027.157591
Feature norm: 69.890457
Error norm: 30.451326
Active features: 3097
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #548 *****
Loss: 4027.118683
Feature norm: 69.886591
Error norm: 21.111092
Active features: 3094
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #549 *****
Loss: 4027.096496
Feature norm: 69.882425
Error norm: 30.547748
Active features: 3094
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #550 *****
Loss: 4027.055893
Feature norm: 69.879551
Error norm: 21.535256
Active features: 3089
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #551 *****
Loss: 4027.036774
Feature norm: 69.874681
Error norm: 30.983975
Active features: 3088
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #552 *****
Loss: 4026.995103
Feature norm: 69.872557
Error norm: 21.215506
Active features: 3085
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #553 *****
Loss: 4026.974456
Feature norm: 69.867722
Error norm: 29.333879
Active features: 3079
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #554 *****
Loss: 4026.935211
Feature norm: 69.864885
Error norm: 22.075517
Active features: 3079
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.923

***** Iteration #555 *****
Loss: 4026.910941
Feature norm: 69.863863
Error norm: 29.902455
Active features: 3078
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #556 *****
Loss: 4026.872298
Feature norm: 69.859653
Error norm: 23.110364
Active features: 3074
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #557 *****
Loss: 4026.849778
Feature norm: 69.859949
Error norm: 30.784310
Active features: 3077
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #558 *****
Loss: 4026.809401
Feature norm: 69.856495
Error norm: 23.298752
Active features: 3077
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #559 *****
Loss: 4026.786149
Feature norm: 69.858620
Error norm: 30.972951
Active features: 3080
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #560 *****
Loss: 4026.747798
Feature norm: 69.854945
Error norm: 25.239995
Active features: 3077
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #561 *****
Loss: 4026.724273
Feature norm: 69.855331

Error norm: 31.383330
Active features: 3076
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #562 *****
Loss: 4026.684489
Feature norm: 69.852452
Error norm: 23.512278
Active features: 3079
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #563 *****
Loss: 4026.662613
Feature norm: 69.853560
Error norm: 30.906456
Active features: 3078
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #564 *****
Loss: 4026.625252
Feature norm: 69.847815
Error norm: 23.345022
Active features: 3078
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #565 *****
Loss: 4026.606597
Feature norm: 69.850234
Error norm: 31.012954
Active features: 3079
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #566 *****
Loss: 4026.569151
Feature norm: 69.845282
Error norm: 22.233900
Active features: 3075
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.958

***** Iteration #567 *****
Loss: 4026.550511
Feature norm: 69.846912
Error norm: 29.266283
Active features: 3076
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.926

***** Iteration #568 *****
Loss: 4026.516797
Feature norm: 69.841700
Error norm: 23.162857
Active features: 3076
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #569 *****
Loss: 4026.496653
Feature norm: 69.843379
Error norm: 28.597437
Active features: 3076
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #570 *****
Loss: 4026.463988
Feature norm: 69.837869
Error norm: 23.471155
Active features: 3072
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #571 *****
Loss: 4026.444448
Feature norm: 69.839152
Error norm: 28.272449
Active features: 3072
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #572 *****
Loss: 4026.412900
Feature norm: 69.834258
Error norm: 24.141795
Active features: 3072
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #573 *****
Loss: 4026.393358
Feature norm: 69.834820
Error norm: 27.967930
Active features: 3072
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #574 *****
Loss: 4026.362426
Feature norm: 69.830214
Error norm: 24.330517
Active features: 3073
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #575 *****
Loss: 4026.338207
Feature norm: 69.831262
Error norm: 25.906019
Active features: 3072
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #576 *****
Loss: 4026.310574
Feature norm: 69.826921
Error norm: 24.752909
Active features: 3071
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #577 *****
Loss: 4026.287209
Feature norm: 69.826913

Error norm: 27.161566
Active features: 3073
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.957

***** Iteration #578 *****
Loss: 4026.257833
Feature norm: 69.821633
Error norm: 25.100940
Active features: 3073
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #579 *****
Loss: 4026.234406
Feature norm: 69.822552
Error norm: 27.885400
Active features: 3070
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #580 *****
Loss: 4026.202794
Feature norm: 69.817860
Error norm: 25.421679
Active features: 3073
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #581 *****
Loss: 4026.179340
Feature norm: 69.818039
Error norm: 28.758054
Active features: 3070
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.815

***** Iteration #582 *****
Loss: 4026.145466
Feature norm: 69.812636
Error norm: 25.842382
Active features: 3071
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #583 *****
Loss: 4026.121751
Feature norm: 69.813420
Error norm: 28.635817
Active features: 3069
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #584 *****
Loss: 4026.088997
Feature norm: 69.808761
Error norm: 26.874710
Active features: 3069
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #585 *****
Loss: 4026.060224
Feature norm: 69.809906
Error norm: 27.942074
Active features: 3068
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #586 *****
Loss: 4026.028044
Feature norm: 69.808245
Error norm: 27.150518
Active features: 3068
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.854

***** Iteration #587 *****
Loss: 4025.999694
Feature norm: 69.809530
Error norm: 28.796821
Active features: 3068
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.814

***** Iteration #588 *****
Loss: 4025.967931
Feature norm: 69.807215
Error norm: 28.132659
Active features: 3066
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #589 *****
Loss: 4025.938985
Feature norm: 69.809747
Error norm: 28.513746
Active features: 3067
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #590 *****
Loss: 4025.908062
Feature norm: 69.806346
Error norm: 27.827325
Active features: 3063
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #591 *****
Loss: 4025.877444
Feature norm: 69.809404
Error norm: 27.481559
Active features: 3062
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #592 *****
Loss: 4025.846020
Feature norm: 69.808250
Error norm: 27.348780
Active features: 3061
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #593 *****
Loss: 4025.817730
Feature norm: 69.810845

Error norm: 28.813135
Active features: 3061
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #594 *****
Loss: 4025.784366
Feature norm: 69.809366
Error norm: 28.447810
Active features: 3059
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #595 *****
Loss: 4025.755746
Feature norm: 69.812792
Error norm: 29.441376
Active features: 3057
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #596 *****
Loss: 4025.720481
Feature norm: 69.811003
Error norm: 27.348325
Active features: 3057
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #597 *****
Loss: 4025.692008
Feature norm: 69.812083
Error norm: 29.235593
Active features: 3058
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #598 *****
Loss: 4025.657790
Feature norm: 69.810567
Error norm: 28.450395
Active features: 3058
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #599 *****
Loss: 4025.627287
Feature norm: 69.809923
Error norm: 29.316448
Active features: 3060
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #600 *****
Loss: 4025.596298
Feature norm: 69.809375
Error norm: 29.986341
Active features: 3059
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #601 *****
Loss: 4025.561749
Feature norm: 69.807413
Error norm: 28.837533
Active features: 3061
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #602 *****
Loss: 4025.530239
Feature norm: 69.806763
Error norm: 29.543787
Active features: 3059
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #603 *****
Loss: 4025.498128
Feature norm: 69.808039
Error norm: 28.009087
Active features: 3059
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #604 *****
Loss: 4025.468405
Feature norm: 69.807715
Error norm: 27.991409
Active features: 3058
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #605 *****
Loss: 4025.441460
Feature norm: 69.809659
Error norm: 26.314902
Active features: 3058
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.804

***** Iteration #606 *****
Loss: 4025.412504
Feature norm: 69.806601
Error norm: 21.828380
Active features: 3055
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #607 *****
Loss: 4025.391069
Feature norm: 69.804986
Error norm: 24.322661
Active features: 3055
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.797

***** Iteration #608 *****
Loss: 4025.364842
Feature norm: 69.801865
Error norm: 22.875100
Active features: 3054
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.705

***** Iteration #609 *****
Loss: 4025.344472
Feature norm: 69.801026

Error norm: 27.305999
Active features: 3054
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.692

***** Iteration #610 *****
Loss: 4025.314778
Feature norm: 69.797363
Error norm: 25.558080
Active features: 3056
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.717

***** Iteration #611 *****
Loss: 4025.291747
Feature norm: 69.796631
Error norm: 29.698175
Active features: 3055
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.791

***** Iteration #612 *****
Loss: 4025.259548
Feature norm: 69.793850
Error norm: 28.037809
Active features: 3055
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.733

***** Iteration #613 *****
Loss: 4025.231479
Feature norm: 69.792678
Error norm: 29.482661
Active features: 3055
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.698

***** Iteration #614 *****
Loss: 4025.199111
Feature norm: 69.790706
Error norm: 27.966863
Active features: 3055
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.771

***** Iteration #615 *****
Loss: 4025.170666
Feature norm: 69.788752
Error norm: 29.376341
Active features: 3052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.678

***** Iteration #616 *****
Loss: 4025.138551
Feature norm: 69.785806
Error norm: 28.122949
Active features: 3052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.709

***** Iteration #617 *****
Loss: 4025.109153
Feature norm: 69.784806
Error norm: 29.475808
Active features: 3052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.719

***** Iteration #618 *****
Loss: 4025.076644
Feature norm: 69.780950
Error norm: 28.228162
Active features: 3050
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.753

***** Iteration #619 *****
Loss: 4025.047244
Feature norm: 69.779781
Error norm: 29.352546
Active features: 3050
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.727

***** Iteration #620 *****
Loss: 4025.014331
Feature norm: 69.775407
Error norm: 27.770398
Active features: 3047
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #621 *****
Loss: 4024.985009
Feature norm: 69.774378
Error norm: 28.269164
Active features: 3046
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #622 *****
Loss: 4024.954182
Feature norm: 69.771311
Error norm: 27.511411
Active features: 3048
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.854

***** Iteration #623 *****
Loss: 4024.924831
Feature norm: 69.771168
Error norm: 27.873845
Active features: 3050
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.822

***** Iteration #624 *****
Loss: 4024.895300
Feature norm: 69.768760
Error norm: 28.842676
Active features: 3050
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #625 *****
Loss: 4024.862826
Feature norm: 69.768483

Error norm: 28.476835
Active features: 3049
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #626 *****
Loss: 4024.834412
Feature norm: 69.765793
Error norm: 30.376185
Active features: 3052
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #627 *****
Loss: 4024.799266
Feature norm: 69.766882
Error norm: 28.885007
Active features: 3049
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #628 *****
Loss: 4024.768664
Feature norm: 69.764451
Error norm: 29.484974
Active features: 3046
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #629 *****
Loss: 4024.736209
Feature norm: 69.765034
Error norm: 29.409467
Active features: 3047
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #630 *****
Loss: 4024.704740
Feature norm: 69.761470
Error norm: 29.409422
Active features: 3046
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #631 *****
Loss: 4024.672456
Feature norm: 69.762732
Error norm: 28.318464
Active features: 3043
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #632 *****
Loss: 4024.643060
Feature norm: 69.758517
Error norm: 29.108927
Active features: 3041
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #633 *****
Loss: 4024.613707
Feature norm: 69.760398
Error norm: 27.839783
Active features: 3038
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #634 *****
Loss: 4024.583682
Feature norm: 69.755401
Error norm: 28.031306
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #635 *****
Loss: 4024.554310
Feature norm: 69.757191
Error norm: 26.734319
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #636 *****
Loss: 4024.525089
Feature norm: 69.752554
Error norm: 27.382112
Active features: 3034
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #637 *****
Loss: 4024.498587
Feature norm: 69.754154
Error norm: 27.459918
Active features: 3032
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #638 *****
Loss: 4024.470770
Feature norm: 69.748922
Error norm: 28.931485
Active features: 3032
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.834

***** Iteration #639 *****
Loss: 4024.440936
Feature norm: 69.751655
Error norm: 27.080237
Active features: 3036
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #640 *****
Loss: 4024.414328
Feature norm: 69.747405
Error norm: 29.431641
Active features: 3036
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #641 *****
Loss: 4024.385271
Feature norm: 69.750369

Error norm: 27.649161
Active features: 3036
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #642 *****
Loss: 4024.357877
Feature norm: 69.746115
Error norm: 29.373437
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #643 *****
Loss: 4024.325668
Feature norm: 69.746970
Error norm: 25.725081
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #644 *****
Loss: 4024.301047
Feature norm: 69.743333
Error norm: 29.152346
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #645 *****
Loss: 4024.270675
Feature norm: 69.743785
Error norm: 26.905210
Active features: 3035
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.955

***** Iteration #646 *****
Loss: 4024.246240
Feature norm: 69.740624
Error norm: 29.809076
Active features: 3034
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #647 *****
Loss: 4024.213748
Feature norm: 69.741342
Error norm: 26.792851
Active features: 3034
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #648 *****
Loss: 4024.191307
Feature norm: 69.737825
Error norm: 30.368177
Active features: 3030
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #649 *****
Loss: 4024.159224
Feature norm: 69.738878
Error norm: 26.740346
Active features: 3030
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #650 *****
Loss: 4024.135239
Feature norm: 69.735798
Error norm: 28.504896
Active features: 3030
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #651 *****
Loss: 4024.103117
Feature norm: 69.736265
Error norm: 25.327266
Active features: 3027
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #652 *****
Loss: 4024.081409
Feature norm: 69.732590
Error norm: 28.967390
Active features: 3030
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #653 *****
Loss: 4024.051052
Feature norm: 69.732702
Error norm: 26.902568
Active features: 3027
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.923

***** Iteration #654 *****
Loss: 4024.027372
Feature norm: 69.728753
Error norm: 29.711712
Active features: 3027
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #655 *****
Loss: 4023.994712
Feature norm: 69.729350
Error norm: 27.064051
Active features: 3027
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #656 *****
Loss: 4023.968878
Feature norm: 69.726085
Error norm: 30.059582
Active features: 3027
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #657 *****
Loss: 4023.935357
Feature norm: 69.725153

Error norm: 27.267368
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #658 *****
Loss: 4023.909821
Feature norm: 69.722222
Error norm: 30.846624
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #659 *****
Loss: 4023.875375
Feature norm: 69.722491
Error norm: 27.539730
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #660 *****
Loss: 4023.850570
Feature norm: 69.719189
Error norm: 31.800198
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #661 *****
Loss: 4023.813859
Feature norm: 69.719417
Error norm: 27.394209
Active features: 3020
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #662 *****
Loss: 4023.789859
Feature norm: 69.715968
Error norm: 31.795770
Active features: 3020
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #663 *****
Loss: 4023.752678
Feature norm: 69.716383
Error norm: 26.520066
Active features: 3020
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #664 *****
Loss: 4023.728381
Feature norm: 69.712977
Error norm: 30.931584
Active features: 3020
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #665 *****
Loss: 4023.693852
Feature norm: 69.713503
Error norm: 26.991183
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #666 *****
Loss: 4023.669889
Feature norm: 69.710121
Error norm: 31.001237
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #667 *****
Loss: 4023.634946
Feature norm: 69.710763
Error norm: 26.561884
Active features: 3024
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #668 *****
Loss: 4023.610236
Feature norm: 69.707990
Error norm: 30.851339
Active features: 3025
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #669 *****
Loss: 4023.574158
Feature norm: 69.706407
Error norm: 25.611657
Active features: 3021
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #670 *****
Loss: 4023.552143
Feature norm: 69.703599
Error norm: 31.897965
Active features: 3020
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #671 *****
Loss: 4023.513065
Feature norm: 69.702460
Error norm: 25.263894
Active features: 3023
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #672 *****
Loss: 4023.491885
Feature norm: 69.698562
Error norm: 32.893720
Active features: 3019
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #673 *****
Loss: 4023.451840
Feature norm: 69.697981

Error norm: 25.856066
Active features: 3018
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #674 *****
Loss: 4023.429777
Feature norm: 69.693196
Error norm: 31.989467
Active features: 3019
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #675 *****
Loss: 4023.394551
Feature norm: 69.695453
Error norm: 26.351052
Active features: 3019
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #676 *****
Loss: 4023.369964
Feature norm: 69.690260
Error norm: 30.369472
Active features: 3019
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #677 *****
Loss: 4023.338425
Feature norm: 69.692259
Error norm: 25.895693
Active features: 3019
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #678 *****
Loss: 4023.314299
Feature norm: 69.687637
Error norm: 29.478202
Active features: 3019
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #679 *****
Loss: 4023.283796
Feature norm: 69.689302
Error norm: 24.183052
Active features: 3018
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #680 *****
Loss: 4023.260582
Feature norm: 69.684080
Error norm: 28.590937
Active features: 3017
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #681 *****
Loss: 4023.228587
Feature norm: 69.683144
Error norm: 23.879918
Active features: 3018
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #682 *****
Loss: 4023.208948
Feature norm: 69.681159
Error norm: 29.362806
Active features: 3018
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.926

***** Iteration #683 *****
Loss: 4023.177822
Feature norm: 69.680397
Error norm: 25.386909
Active features: 3015
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #684 *****
Loss: 4023.155370
Feature norm: 69.678493
Error norm: 30.321562
Active features: 3014
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #685 *****
Loss: 4023.122585
Feature norm: 69.677528
Error norm: 25.790621
Active features: 3013
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #686 *****
Loss: 4023.099631
Feature norm: 69.675033
Error norm: 31.412537
Active features: 3014
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #687 *****
Loss: 4023.064166
Feature norm: 69.675117
Error norm: 26.388061
Active features: 3010
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #688 *****
Loss: 4023.041153
Feature norm: 69.672007
Error norm: 32.051246
Active features: 3008
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #689 *****
Loss: 4023.004736
Feature norm: 69.672300

Error norm: 26.306800
Active features: 3008
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #690 *****
Loss: 4022.982163
Feature norm: 69.669588
Error norm: 32.377833
Active features: 3006
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #691 *****
Loss: 4022.943875
Feature norm: 69.668913
Error norm: 25.896769
Active features: 3009
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #692 *****
Loss: 4022.922467
Feature norm: 69.666133
Error norm: 32.938042
Active features: 3006
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #693 *****
Loss: 4022.882580
Feature norm: 69.665812
Error norm: 25.831028
Active features: 3006
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #694 *****
Loss: 4022.862044
Feature norm: 69.662914
Error norm: 33.204891
Active features: 3009
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #695 *****
Loss: 4022.821346
Feature norm: 69.661863
Error norm: 25.400316
Active features: 3009
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #696 *****
Loss: 4022.802148
Feature norm: 69.658600
Error norm: 33.452687
Active features: 3009
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #697 *****
Loss: 4022.761178
Feature norm: 69.658304
Error norm: 24.521222
Active features: 3009
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #698 *****
Loss: 4022.744148
Feature norm: 69.655364
Error norm: 33.344252
Active features: 3012
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #699 *****
Loss: 4022.702414
Feature norm: 69.654533
Error norm: 23.727566
Active features: 3012
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #700 *****
Loss: 4022.685990
Feature norm: 69.652556
Error norm: 32.689344
Active features: 3012
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #701 *****
Loss: 4022.645325
Feature norm: 69.651637
Error norm: 23.664006
Active features: 3009
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #702 *****
Loss: 4022.629951
Feature norm: 69.650098
Error norm: 32.920434
Active features: 3008
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #703 *****
Loss: 4022.589600
Feature norm: 69.649643
Error norm: 24.079588
Active features: 3008
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #704 *****
Loss: 4022.571547
Feature norm: 69.647693
Error norm: 31.875414
Active features: 3007
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #705 *****
Loss: 4022.535205
Feature norm: 69.647530

Error norm: 25.013673
Active features: 3006
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #706 *****
Loss: 4022.516285
Feature norm: 69.645989
Error norm: 31.902905
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.769

***** Iteration #707 *****
Loss: 4022.479958
Feature norm: 69.646015
Error norm: 24.490337
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #708 *****
Loss: 4022.462046
Feature norm: 69.644362
Error norm: 31.915815
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #709 *****
Loss: 4022.425639
Feature norm: 69.643956
Error norm: 23.675573
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #710 *****
Loss: 4022.409425
Feature norm: 69.642856
Error norm: 31.995355
Active features: 3002
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #711 *****
Loss: 4022.371591
Feature norm: 69.641269
Error norm: 22.520047
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.814

***** Iteration #712 *****
Loss: 4022.357606
Feature norm: 69.641402
Error norm: 31.866792
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.929

***** Iteration #713 *****
Loss: 4022.319934
Feature norm: 69.639551
Error norm: 22.687987
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #714 *****
Loss: 4022.305108
Feature norm: 69.638846
Error norm: 32.229857
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #715 *****
Loss: 4022.266469
Feature norm: 69.637761
Error norm: 22.871328
Active features: 3004
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #716 *****
Loss: 4022.252331
Feature norm: 69.636556
Error norm: 33.088578
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #717 *****
Loss: 4022.213088
Feature norm: 69.635344
Error norm: 23.365532
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #718 *****
Loss: 4022.198621
Feature norm: 69.633419
Error norm: 33.482827
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #719 *****
Loss: 4022.157549
Feature norm: 69.632061
Error norm: 22.856831
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #720 *****
Loss: 4022.144215
Feature norm: 69.629911
Error norm: 33.742628
Active features: 3004
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #721 *****
Loss: 4022.102960
Feature norm: 69.629062

Error norm: 23.026364
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #722 *****
Loss: 4022.089871
Feature norm: 69.626817
Error norm: 33.944071
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #723 *****
Loss: 4022.048307
Feature norm: 69.625908
Error norm: 22.554988
Active features: 3004
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #724 *****
Loss: 4022.035559
Feature norm: 69.623069
Error norm: 33.917651
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #725 *****
Loss: 4021.993151
Feature norm: 69.622738
Error norm: 21.935385
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #726 *****
Loss: 4021.982394
Feature norm: 69.619704
Error norm: 34.062221
Active features: 3001
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #727 *****
Loss: 4021.939852
Feature norm: 69.619090
Error norm: 22.334480
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #728 *****
Loss: 4021.928566
Feature norm: 69.616315
Error norm: 33.897588
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #729 *****
Loss: 4021.886320
Feature norm: 69.615639
Error norm: 22.455305
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #730 *****
Loss: 4021.873086
Feature norm: 69.612659
Error norm: 33.020994
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.854

***** Iteration #731 *****
Loss: 4021.833285
Feature norm: 69.613228
Error norm: 23.193184
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #732 *****
Loss: 4021.817901
Feature norm: 69.610287
Error norm: 32.086592
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #733 *****
Loss: 4021.780094
Feature norm: 69.610503
Error norm: 23.171933
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #734 *****
Loss: 4021.765097
Feature norm: 69.608070
Error norm: 32.282645
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #735 *****
Loss: 4021.726668
Feature norm: 69.607098
Error norm: 23.096606
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #736 *****
Loss: 4021.713506
Feature norm: 69.605339
Error norm: 33.132080
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #737 *****
Loss: 4021.673224
Feature norm: 69.605360

Error norm: 22.878729
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #738 *****
Loss: 4021.660709
Feature norm: 69.602691
Error norm: 33.218276
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #739 *****
Loss: 4021.619836
Feature norm: 69.603032
Error norm: 22.376115
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #740 *****
Loss: 4021.607860
Feature norm: 69.600454
Error norm: 32.839811
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #741 *****
Loss: 4021.567304
Feature norm: 69.601230
Error norm: 22.119306
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #742 *****
Loss: 4021.555331
Feature norm: 69.599527
Error norm: 32.716849
Active features: 2997
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #743 *****
Loss: 4021.515396
Feature norm: 69.599860
Error norm: 22.490564
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #744 *****
Loss: 4021.503501
Feature norm: 69.597865
Error norm: 32.655628
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #745 *****
Loss: 4021.463721
Feature norm: 69.597974
Error norm: 23.082878
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #746 *****
Loss: 4021.447030
Feature norm: 69.596175
Error norm: 28.427993
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #747 *****
Loss: 4021.417593
Feature norm: 69.596528
Error norm: 26.350291
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.934

***** Iteration #748 *****
Loss: 4021.393426
Feature norm: 69.595000
Error norm: 25.810485
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #749 *****
Loss: 4021.367637
Feature norm: 69.594768
Error norm: 27.257539
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #750 *****
Loss: 4021.341945
Feature norm: 69.594221
Error norm: 26.385201
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #751 *****
Loss: 4021.315145
Feature norm: 69.592554
Error norm: 27.978075
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #752 *****
Loss: 4021.289819
Feature norm: 69.592198
Error norm: 28.456113
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #753 *****
Loss: 4021.263307
Feature norm: 69.590759

Error norm: 29.343137
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #754 *****
Loss: 4021.234644
Feature norm: 69.589588
Error norm: 27.911550
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #755 *****
Loss: 4021.209015
Feature norm: 69.588674
Error norm: 28.965622
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #756 *****
Loss: 4021.179747
Feature norm: 69.587207
Error norm: 26.856224
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #757 *****
Loss: 4021.155939
Feature norm: 69.586999
Error norm: 28.271409
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #758 *****
Loss: 4021.128131
Feature norm: 69.585066
Error norm: 26.084797
Active features: 2996
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.858

***** Iteration #759 *****
Loss: 4021.105776
Feature norm: 69.584299
Error norm: 27.922836
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #760 *****
Loss: 4021.078789
Feature norm: 69.582601
Error norm: 26.154379
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #761 *****
Loss: 4021.056328
Feature norm: 69.581664
Error norm: 27.793352
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #762 *****
Loss: 4021.029502
Feature norm: 69.579875
Error norm: 25.956282
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #763 *****
Loss: 4021.007020
Feature norm: 69.578236
Error norm: 27.561121
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.813

***** Iteration #764 *****
Loss: 4020.980692
Feature norm: 69.576425
Error norm: 25.642252
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #765 *****
Loss: 4020.958435
Feature norm: 69.575599
Error norm: 27.246561
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #766 *****
Loss: 4020.932452
Feature norm: 69.573919
Error norm: 25.802876
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #767 *****
Loss: 4020.910138
Feature norm: 69.573123
Error norm: 27.440879
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #768 *****
Loss: 4020.884444
Feature norm: 69.571564
Error norm: 26.214496
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #769 *****
Loss: 4020.861425
Feature norm: 69.570592

Error norm: 27.567196
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #770 *****
Loss: 4020.834913
Feature norm: 69.569508
Error norm: 26.193907
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #771 *****
Loss: 4020.812057
Feature norm: 69.568842
Error norm: 27.759413
Active features: 3005
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #772 *****
Loss: 4020.785286
Feature norm: 69.567132
Error norm: 26.202460
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #773 *****
Loss: 4020.762610
Feature norm: 69.566616
Error norm: 27.727457
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #774 *****
Loss: 4020.735247
Feature norm: 69.565376
Error norm: 24.861211
Active features: 3006
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #775 *****
Loss: 4020.713698
Feature norm: 69.564290
Error norm: 27.387393
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #776 *****
Loss: 4020.687752
Feature norm: 69.563515
Error norm: 25.489723
Active features: 3003
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #777 *****
Loss: 4020.665947
Feature norm: 69.562535
Error norm: 27.929830
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #778 *****
Loss: 4020.640170
Feature norm: 69.561078
Error norm: 25.860037
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #779 *****
Loss: 4020.617815
Feature norm: 69.560545
Error norm: 27.825259
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #780 *****
Loss: 4020.592269
Feature norm: 69.559434
Error norm: 25.638088
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #781 *****
Loss: 4020.569953
Feature norm: 69.558550
Error norm: 27.571911
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #782 *****
Loss: 4020.544331
Feature norm: 69.557378
Error norm: 24.977412
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #783 *****
Loss: 4020.523598
Feature norm: 69.556676
Error norm: 27.352501
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #784 *****
Loss: 4020.498614
Feature norm: 69.555465
Error norm: 24.621868
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #785 *****
Loss: 4020.477921
Feature norm: 69.554701

Error norm: 26.758607
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #786 *****
Loss: 4020.454086
Feature norm: 69.553623
Error norm: 24.400472
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #787 *****
Loss: 4020.434452
Feature norm: 69.553102
Error norm: 27.167032
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #788 *****
Loss: 4020.409938
Feature norm: 69.552165
Error norm: 24.219830
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #789 *****
Loss: 4020.390771
Feature norm: 69.551491
Error norm: 27.390266
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #790 *****
Loss: 4020.364048
Feature norm: 69.551015
Error norm: 23.241316
Active features: 2998
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #791 *****
Loss: 4020.346787
Feature norm: 69.549270
Error norm: 27.915988
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #792 *****
Loss: 4020.319706
Feature norm: 69.548251
Error norm: 23.472450
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #793 *****
Loss: 4020.302318
Feature norm: 69.546812
Error norm: 27.857284
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #794 *****
Loss: 4020.275676
Feature norm: 69.546048
Error norm: 23.649232
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #795 *****
Loss: 4020.257036
Feature norm: 69.544373
Error norm: 27.344743
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #796 *****
Loss: 4020.232441
Feature norm: 69.543744
Error norm: 24.147048
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.935

***** Iteration #797 *****
Loss: 4020.212949
Feature norm: 69.542708
Error norm: 27.378380
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #798 *****
Loss: 4020.187355
Feature norm: 69.541650
Error norm: 23.695440
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #799 *****
Loss: 4020.169230
Feature norm: 69.540912
Error norm: 27.686412
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #800 *****
Loss: 4020.143700
Feature norm: 69.539964
Error norm: 23.713009
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #801 *****
Loss: 4020.125894
Feature norm: 69.539817

Error norm: 27.910810
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #802 *****
Loss: 4020.099881
Feature norm: 69.537904
Error norm: 23.325598
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.925

***** Iteration #803 *****
Loss: 4020.082250
Feature norm: 69.537769
Error norm: 28.166299
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.929

***** Iteration #804 *****
Loss: 4020.055646
Feature norm: 69.536075
Error norm: 22.989098
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #805 *****
Loss: 4020.038745
Feature norm: 69.536090
Error norm: 28.781375
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.929

***** Iteration #806 *****
Loss: 4020.009908
Feature norm: 69.534805
Error norm: 22.407567
Active features: 2998
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #807 *****
Loss: 4019.995012
Feature norm: 69.534839
Error norm: 29.733041
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #808 *****
Loss: 4019.964048
Feature norm: 69.533287
Error norm: 22.346391
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #809 *****
Loss: 4019.949111
Feature norm: 69.532737
Error norm: 29.982000
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #810 *****
Loss: 4019.918470
Feature norm: 69.531494
Error norm: 22.380833
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #811 *****
Loss: 4019.903114
Feature norm: 69.531065
Error norm: 29.775853
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #812 *****
Loss: 4019.872394
Feature norm: 69.530092
Error norm: 22.038059
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.956

***** Iteration #813 *****
Loss: 4019.857067
Feature norm: 69.529476
Error norm: 29.568052
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #814 *****
Loss: 4019.826305
Feature norm: 69.528790
Error norm: 21.790052
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #815 *****
Loss: 4019.813313
Feature norm: 69.529396
Error norm: 30.463582
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.966

***** Iteration #816 *****
Loss: 4019.781224
Feature norm: 69.527902
Error norm: 21.722943
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #817 *****
Loss: 4019.768041
Feature norm: 69.527462

Error norm: 30.169052
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #818 *****
Loss: 4019.736089
Feature norm: 69.525314
Error norm: 21.469641
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #819 *****
Loss: 4019.723131
Feature norm: 69.524825
Error norm: 30.251369
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #820 *****
Loss: 4019.690329
Feature norm: 69.523989
Error norm: 21.305419
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #821 *****
Loss: 4019.677016
Feature norm: 69.523380
Error norm: 29.999856
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.946

***** Iteration #822 *****
Loss: 4019.645017
Feature norm: 69.521947
Error norm: 21.864525
Active features: 2996
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #823 *****
Loss: 4019.631945
Feature norm: 69.522133
Error norm: 30.599440
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #824 *****
Loss: 4019.600058
Feature norm: 69.520830
Error norm: 22.184403
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #825 *****
Loss: 4019.587172
Feature norm: 69.520761
Error norm: 30.656629
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #826 *****
Loss: 4019.554790
Feature norm: 69.519994
Error norm: 21.312998
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #827 *****
Loss: 4019.542442
Feature norm: 69.520000
Error norm: 30.557422
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #828 *****
Loss: 4019.510702
Feature norm: 69.519212
Error norm: 21.056811
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #829 *****
Loss: 4019.499542
Feature norm: 69.519728
Error norm: 30.846073
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #830 *****
Loss: 4019.466850
Feature norm: 69.518938
Error norm: 20.468363
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #831 *****
Loss: 4019.456536
Feature norm: 69.518692
Error norm: 31.235324
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #832 *****
Loss: 4019.423239
Feature norm: 69.518221
Error norm: 20.186706
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #833 *****
Loss: 4019.413965
Feature norm: 69.518152

Error norm: 31.802275
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #834 *****
Loss: 4019.379477
Feature norm: 69.517480
Error norm: 19.643537
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #835 *****
Loss: 4019.371174
Feature norm: 69.517211
Error norm: 31.980162
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #836 *****
Loss: 4019.336195
Feature norm: 69.516709
Error norm: 19.291187
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #837 *****
Loss: 4019.326595
Feature norm: 69.516662
Error norm: 31.515859
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.940

***** Iteration #838 *****
Loss: 4019.292573
Feature norm: 69.516119
Error norm: 19.115492
Active features: 2994
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #839 *****
Loss: 4019.285458
Feature norm: 69.515844
Error norm: 32.781877
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #840 *****
Loss: 4019.249219
Feature norm: 69.515197
Error norm: 18.813921
Active features: 2990
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #841 *****
Loss: 4019.242650
Feature norm: 69.514765
Error norm: 33.096636
Active features: 2990
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #842 *****
Loss: 4019.205659
Feature norm: 69.514247
Error norm: 18.430367
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.931

***** Iteration #843 *****
Loss: 4019.199591
Feature norm: 69.514001
Error norm: 33.550289
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #844 *****
Loss: 4019.161221
Feature norm: 69.512786
Error norm: 17.914964
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #845 *****
Loss: 4019.154514
Feature norm: 69.512736
Error norm: 33.277579
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #846 *****
Loss: 4019.116088
Feature norm: 69.511505
Error norm: 18.237055
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #847 *****
Loss: 4019.110683
Feature norm: 69.511334
Error norm: 34.512154
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #848 *****
Loss: 4019.069952
Feature norm: 69.510355
Error norm: 18.140776
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #849 *****
Loss: 4019.065498
Feature norm: 69.510373

Error norm: 34.822528
Active features: 2988
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.936

***** Iteration #850 *****
Loss: 4019.024295
Feature norm: 69.509773
Error norm: 17.638367
Active features: 2988
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #851 *****
Loss: 4019.021048
Feature norm: 69.510635
Error norm: 34.813313
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #852 *****
Loss: 4018.979844
Feature norm: 69.510182
Error norm: 16.592581
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #853 *****
Loss: 4018.974887
Feature norm: 69.510416
Error norm: 33.453013
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #854 *****
Loss: 4018.936665
Feature norm: 69.509518
Error norm: 17.315062
Active features: 2992
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #855 *****
Loss: 4018.933647
Feature norm: 69.510056
Error norm: 35.232254
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.934

***** Iteration #856 *****
Loss: 4018.892084
Feature norm: 69.508516
Error norm: 17.124459
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #857 *****
Loss: 4018.889989
Feature norm: 69.509401
Error norm: 35.855641
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #858 *****
Loss: 4018.847003
Feature norm: 69.507860
Error norm: 16.628315
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #859 *****
Loss: 4018.845873
Feature norm: 69.508327
Error norm: 35.886605
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #860 *****
Loss: 4018.802623
Feature norm: 69.507057
Error norm: 15.639548
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #861 *****
Loss: 4018.788944
Feature norm: 69.507423
Error norm: 14.732228
Active features: 2996
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.366

***** Iteration #862 *****
Loss: 4018.781520
Feature norm: 69.507269
Error norm: 30.323549
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #863 *****
Loss: 4018.748414
Feature norm: 69.506596
Error norm: 22.436507
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #864 *****
Loss: 4018.735058
Feature norm: 69.506422
Error norm: 30.916172
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #865 *****
Loss: 4018.701571
Feature norm: 69.506408

Error norm: 22.583889
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #866 *****
Loss: 4018.688505
Feature norm: 69.506317
Error norm: 30.906887
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #867 *****
Loss: 4018.654983
Feature norm: 69.506853
Error norm: 20.914768
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #868 *****
Loss: 4018.644126
Feature norm: 69.505291
Error norm: 31.592675
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #869 *****
Loss: 4018.609270
Feature norm: 69.506387
Error norm: 18.499212
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #870 *****
Loss: 4018.601341
Feature norm: 69.504902
Error norm: 31.779231
Active features: 2987
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #871 *****
Loss: 4018.564059
Feature norm: 69.504526
Error norm: 16.835740
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #872 *****
Loss: 4018.561603
Feature norm: 69.502875
Error norm: 34.551286
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #873 *****
Loss: 4018.521512
Feature norm: 69.503110
Error norm: 17.504930
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.942

***** Iteration #874 *****
Loss: 4018.518449
Feature norm: 69.500736
Error norm: 35.144681
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #875 *****
Loss: 4018.477707
Feature norm: 69.500746
Error norm: 17.378481
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #876 *****
Loss: 4018.474227
Feature norm: 69.498559
Error norm: 34.980730
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #877 *****
Loss: 4018.433403
Feature norm: 69.498742
Error norm: 16.767635
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #878 *****
Loss: 4018.430346
Feature norm: 69.496503
Error norm: 34.428073
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #879 *****
Loss: 4018.390880
Feature norm: 69.496610
Error norm: 16.731958
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.811

***** Iteration #880 *****
Loss: 4018.388429
Feature norm: 69.494281
Error norm: 34.812351
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.768

***** Iteration #881 *****
Loss: 4018.348091
Feature norm: 69.494637

Error norm: 16.779346
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #882 *****
Loss: 4018.345998
Feature norm: 69.492722
Error norm: 35.114104
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #883 *****
Loss: 4018.304743
Feature norm: 69.492345
Error norm: 16.627156
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.980

***** Iteration #884 *****
Loss: 4018.303643
Feature norm: 69.490147
Error norm: 35.226817
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #885 *****
Loss: 4018.262159
Feature norm: 69.490204
Error norm: 16.614907
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #886 *****
Loss: 4018.260870
Feature norm: 69.488179
Error norm: 35.123412
Active features: 2981
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #887 *****
Loss: 4018.219550
Feature norm: 69.488100
Error norm: 16.809550
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #888 *****
Loss: 4018.218098
Feature norm: 69.485898
Error norm: 35.133125
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #889 *****
Loss: 4018.176534
Feature norm: 69.485743
Error norm: 17.035504
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #890 *****
Loss: 4018.175383
Feature norm: 69.483563
Error norm: 35.147919
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #891 *****
Loss: 4018.133226
Feature norm: 69.483182
Error norm: 17.199076
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #892 *****
Loss: 4018.132003
Feature norm: 69.481230
Error norm: 34.857757
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.828

***** Iteration #893 *****
Loss: 4018.090173
Feature norm: 69.480820
Error norm: 17.504447
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #894 *****
Loss: 4018.088141
Feature norm: 69.478795
Error norm: 34.422382
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #895 *****
Loss: 4018.046872
Feature norm: 69.478975
Error norm: 17.843194
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #896 *****
Loss: 4018.044490
Feature norm: 69.476776
Error norm: 34.017691
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #897 *****
Loss: 4018.003725
Feature norm: 69.476833

Error norm: 18.249636
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #898 *****
Loss: 4018.000692
Feature norm: 69.474274
Error norm: 33.485101
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #899 *****
Loss: 4017.961353
Feature norm: 69.474308
Error norm: 18.695186
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #900 *****
Loss: 4017.956285
Feature norm: 69.471849
Error norm: 32.015928
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #901 *****
Loss: 4017.918961
Feature norm: 69.471278
Error norm: 19.014928
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #902 *****
Loss: 4017.912711
Feature norm: 69.469161
Error norm: 31.552392
Active features: 2978
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #903 *****
Loss: 4017.876707
Feature norm: 69.469010
Error norm: 19.957147
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #904 *****
Loss: 4017.869531
Feature norm: 69.466151
Error norm: 31.396081
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #905 *****
Loss: 4017.833919
Feature norm: 69.466364
Error norm: 20.691521
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #906 *****
Loss: 4017.825430
Feature norm: 69.463894
Error norm: 31.023677
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #907 *****
Loss: 4017.790667
Feature norm: 69.463794
Error norm: 21.207637
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #908 *****
Loss: 4017.780798
Feature norm: 69.461394
Error norm: 30.275297
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #909 *****
Loss: 4017.747309
Feature norm: 69.460985
Error norm: 21.559057
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #910 *****
Loss: 4017.736488
Feature norm: 69.458524
Error norm: 29.396960
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.923

***** Iteration #911 *****
Loss: 4017.704810
Feature norm: 69.457810
Error norm: 21.858378
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #912 *****
Loss: 4017.692837
Feature norm: 69.455738
Error norm: 28.323606
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #913 *****
Loss: 4017.663544
Feature norm: 69.454950

Error norm: 22.177902
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #914 *****
Loss: 4017.650104
Feature norm: 69.452777
Error norm: 27.135780
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #915 *****
Loss: 4017.623241
Feature norm: 69.452468
Error norm: 22.580985
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #916 *****
Loss: 4017.608676
Feature norm: 69.450464
Error norm: 27.014216
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.957

***** Iteration #917 *****
Loss: 4017.582464
Feature norm: 69.450163
Error norm: 23.112991
Active features: 2975
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #918 *****
Loss: 4017.567430
Feature norm: 69.447617
Error norm: 26.985176
Active features: 2973
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #919 *****
Loss: 4017.541292
Feature norm: 69.447136
Error norm: 23.054715
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #920 *****
Loss: 4017.526422
Feature norm: 69.445199
Error norm: 26.768425
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #921 *****
Loss: 4017.500907
Feature norm: 69.444525
Error norm: 23.206231
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #922 *****
Loss: 4017.485110
Feature norm: 69.442955
Error norm: 26.514327
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.946

***** Iteration #923 *****
Loss: 4017.460611
Feature norm: 69.442473
Error norm: 23.524226
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.943

***** Iteration #924 *****
Loss: 4017.444295
Feature norm: 69.440286
Error norm: 26.372858
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #925 *****
Loss: 4017.420283
Feature norm: 69.439929
Error norm: 23.466830
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #926 *****
Loss: 4017.403910
Feature norm: 69.437942
Error norm: 26.123032
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #927 *****
Loss: 4017.380426
Feature norm: 69.437636
Error norm: 23.305309
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #928 *****
Loss: 4017.364373
Feature norm: 69.435665
Error norm: 25.899317
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #929 *****
Loss: 4017.341388
Feature norm: 69.435458

Error norm: 23.243051
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #930 *****
Loss: 4017.325108
Feature norm: 69.433705
Error norm: 25.792266
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #931 *****
Loss: 4017.302399
Feature norm: 69.433315
Error norm: 23.313282
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #932 *****
Loss: 4017.286310
Feature norm: 69.431789
Error norm: 25.958206
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #933 *****
Loss: 4017.262992
Feature norm: 69.431126
Error norm: 23.145427
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #934 *****
Loss: 4017.247488
Feature norm: 69.429586
Error norm: 26.147656
Active features: 2983
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #935 *****
Loss: 4017.223910
Feature norm: 69.429017
Error norm: 23.017769
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #936 *****
Loss: 4017.208527
Feature norm: 69.427554
Error norm: 25.963440
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #937 *****
Loss: 4017.185223
Feature norm: 69.427435
Error norm: 23.048207
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #938 *****
Loss: 4017.169680
Feature norm: 69.426463
Error norm: 25.803022
Active features: 2978
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #939 *****
Loss: 4017.146577
Feature norm: 69.426386
Error norm: 23.296979
Active features: 2983
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #940 *****
Loss: 4017.130010
Feature norm: 69.425889
Error norm: 25.506320
Active features: 2983
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #941 *****
Loss: 4017.108000
Feature norm: 69.426138
Error norm: 23.671638
Active features: 2983
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.838

***** Iteration #942 *****
Loss: 4017.091227
Feature norm: 69.425224
Error norm: 25.650242
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #943 *****
Loss: 4017.068826
Feature norm: 69.425808
Error norm: 23.600657
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #944 *****
Loss: 4017.052338
Feature norm: 69.424716
Error norm: 25.742537
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #945 *****
Loss: 4017.029673
Feature norm: 69.425239

Error norm: 23.592040
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #946 *****
Loss: 4017.012986
Feature norm: 69.424125
Error norm: 25.710535
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #947 *****
Loss: 4016.990169
Feature norm: 69.424574
Error norm: 23.555037
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #948 *****
Loss: 4016.972985
Feature norm: 69.423781
Error norm: 25.389139
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #949 *****
Loss: 4016.950934
Feature norm: 69.423893
Error norm: 24.124201
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #950 *****
Loss: 4016.932969
Feature norm: 69.422720
Error norm: 25.421132
Active features: 2992
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #951 *****
Loss: 4016.911124
Feature norm: 69.422702
Error norm: 24.559002
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #952 *****
Loss: 4016.892287
Feature norm: 69.421613
Error norm: 25.238953
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #953 *****
Loss: 4016.870986
Feature norm: 69.421938
Error norm: 24.590440
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #954 *****
Loss: 4016.852356
Feature norm: 69.420609
Error norm: 25.240328
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.950

***** Iteration #955 *****
Loss: 4016.830967
Feature norm: 69.420880
Error norm: 24.444914
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #956 *****
Loss: 4016.811936
Feature norm: 69.420010
Error norm: 24.813151
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.939

***** Iteration #957 *****
Loss: 4016.791816
Feature norm: 69.420311
Error norm: 24.731342
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #958 *****
Loss: 4016.772600
Feature norm: 69.419210
Error norm: 24.898192
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #959 *****
Loss: 4016.752377
Feature norm: 69.419707
Error norm: 24.633497
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #960 *****
Loss: 4016.732959
Feature norm: 69.418494
Error norm: 24.611494
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.818

***** Iteration #961 *****
Loss: 4016.712890
Feature norm: 69.418948

Error norm: 24.390091
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #962 *****
Loss: 4016.694200
Feature norm: 69.417546
Error norm: 24.849647
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.948

***** Iteration #963 *****
Loss: 4016.673798
Feature norm: 69.418100
Error norm: 24.275533
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #964 *****
Loss: 4016.655449
Feature norm: 69.416847
Error norm: 24.796393
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.950

***** Iteration #965 *****
Loss: 4016.634621
Feature norm: 69.417056
Error norm: 24.091134
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.925

***** Iteration #966 *****
Loss: 4016.616672
Feature norm: 69.415736
Error norm: 24.848299
Active features: 2995
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.957

***** Iteration #967 *****
Loss: 4016.596020
Feature norm: 69.415854
Error norm: 24.100442
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.976

***** Iteration #968 *****
Loss: 4016.578121
Feature norm: 69.414076
Error norm: 24.934311
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.984

***** Iteration #969 *****
Loss: 4016.557737
Feature norm: 69.414322
Error norm: 24.254137
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.942

***** Iteration #970 *****
Loss: 4016.539435
Feature norm: 69.412207
Error norm: 24.833933
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #971 *****
Loss: 4016.519123
Feature norm: 69.412470
Error norm: 24.314939
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #972 *****
Loss: 4016.500665
Feature norm: 69.411049
Error norm: 24.740638
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #973 *****
Loss: 4016.480656
Feature norm: 69.410976
Error norm: 24.466126
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #974 *****
Loss: 4016.461962
Feature norm: 69.409625
Error norm: 24.600492
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #975 *****
Loss: 4016.442227
Feature norm: 69.409304
Error norm: 24.469067
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #976 *****
Loss: 4016.423308
Feature norm: 69.407896
Error norm: 24.442204
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #977 *****
Loss: 4016.403663
Feature norm: 69.407798

Error norm: 24.280658
Active features: 2999
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #978 *****
Loss: 4016.385088
Feature norm: 69.406739
Error norm: 24.333429
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #979 *****
Loss: 4016.365788
Feature norm: 69.406286
Error norm: 24.312547
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.958

***** Iteration #980 *****
Loss: 4016.347142
Feature norm: 69.404788
Error norm: 24.362233
Active features: 3002
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #981 *****
Loss: 4016.327773
Feature norm: 69.404419
Error norm: 24.263663
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.837

***** Iteration #982 *****
Loss: 4016.309355
Feature norm: 69.403288
Error norm: 24.440294
Active features: 3001
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #983 *****
Loss: 4016.289703
Feature norm: 69.403333
Error norm: 24.248675
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #984 *****
Loss: 4016.271017
Feature norm: 69.402079
Error norm: 24.249295
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #985 *****
Loss: 4016.251745
Feature norm: 69.402605
Error norm: 24.501907
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #986 *****
Loss: 4016.232606
Feature norm: 69.400919
Error norm: 24.286923
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #987 *****
Loss: 4016.213405
Feature norm: 69.400955
Error norm: 24.861743
Active features: 3000
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #988 *****
Loss: 4016.193549
Feature norm: 69.399498
Error norm: 24.073527
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.778

***** Iteration #989 *****
Loss: 4016.174898
Feature norm: 69.399720
Error norm: 25.289103
Active features: 2996
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #990 *****
Loss: 4016.154355
Feature norm: 69.398526
Error norm: 24.027413
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.827

***** Iteration #991 *****
Loss: 4016.136195
Feature norm: 69.398908
Error norm: 25.460062
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #992 *****
Loss: 4016.115030
Feature norm: 69.397484
Error norm: 23.712078
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #993 *****
Loss: 4016.097447
Feature norm: 69.398315

Error norm: 25.420347
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #994 *****
Loss: 4016.076273
Feature norm: 69.396846
Error norm: 23.305530
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #995 *****
Loss: 4016.059295
Feature norm: 69.397658
Error norm: 25.025271
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #996 *****
Loss: 4016.038559
Feature norm: 69.396084
Error norm: 22.651395
Active features: 2993
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #997 *****
Loss: 4016.022239
Feature norm: 69.396838
Error norm: 24.719552
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #998 *****
Loss: 4016.002430
Feature norm: 69.395361
Error norm: 22.417272
Active features: 2994
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #999 *****
Loss: 4015.986517
Feature norm: 69.396651
Error norm: 24.635597
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1000 *****
Loss: 4015.966415
Feature norm: 69.395791
Error norm: 21.889257
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1001 *****
Loss: 4015.951666
Feature norm: 69.395985
Error norm: 25.302314
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #1002 *****
Loss: 4015.930753
Feature norm: 69.394892
Error norm: 22.047246
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #1003 *****
Loss: 4015.916176
Feature norm: 69.395045
Error norm: 25.677695
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1004 *****
Loss: 4015.894347
Feature norm: 69.394205
Error norm: 21.822290
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1005 *****
Loss: 4015.880106
Feature norm: 69.394111
Error norm: 25.779349
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #1006 *****
Loss: 4015.858149
Feature norm: 69.393234
Error norm: 22.004855
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #1007 *****
Loss: 4015.843937
Feature norm: 69.393260
Error norm: 25.745047
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1008 *****
Loss: 4015.827567
Feature norm: 69.391369
Error norm: 12.686209
Active features: 2990
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.455

***** Iteration #1009 *****
Loss: 4015.781470
Feature norm: 69.392514

Error norm: 15.511917
Active features: 2999
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.460

***** Iteration #1010 *****
Loss: 4015.769932
Feature norm: 69.392074
Error norm: 12.872657
Active features: 2998
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.783

***** Iteration #1011 *****
Loss: 4015.765847
Feature norm: 69.391420
Error norm: 20.697684
Active features: 2998
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.801

***** Iteration #1012 *****
Loss: 4015.749416
Feature norm: 69.390987
Error norm: 13.635135
Active features: 2995
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.793

***** Iteration #1013 *****
Loss: 4015.744454
Feature norm: 69.390419
Error norm: 20.638299
Active features: 2995
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.817

***** Iteration #1014 *****
Loss: 4015.727966
Feature norm: 69.389822
Error norm: 13.204526
Active features: 2995
Line search trials: 4

Line search step: 0.125000
Seconds required for this iteration: 1.623

***** Iteration #1015 *****
Loss: 4015.721546
Feature norm: 69.389612
Error norm: 16.612544
Active features: 2995
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.776

***** Iteration #1016 *****
Loss: 4015.720911
Feature norm: 69.387952
Error norm: 29.658317
Active features: 3001
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1017 *****
Loss: 4015.690048
Feature norm: 69.387560
Error norm: 15.603185
Active features: 2997
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #1018 *****
Loss: 4015.679489
Feature norm: 69.386795
Error norm: 10.926237
Active features: 2997
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.207

***** Iteration #1019 *****
Loss: 4015.678090
Feature norm: 69.385910
Error norm: 27.842234
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1020 *****
Loss: 4015.652057
Feature norm: 69.384708
Error norm: 18.080521
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #1021 *****
Loss: 4015.646853
Feature norm: 69.384337
Error norm: 27.880036
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1022 *****
Loss: 4015.621055
Feature norm: 69.382522
Error norm: 18.294185
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.800

***** Iteration #1023 *****
Loss: 4015.615180
Feature norm: 69.382425
Error norm: 27.384240
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1024 *****
Loss: 4015.590449
Feature norm: 69.380350
Error norm: 18.170115
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1025 *****
Loss: 4015.583582
Feature norm: 69.380476

Error norm: 26.126190
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1026 *****
Loss: 4015.559166
Feature norm: 69.379164
Error norm: 14.905473
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1027 *****
Loss: 4015.554466
Feature norm: 69.379254
Error norm: 25.304174
Active features: 2989
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #1028 *****
Loss: 4015.532186
Feature norm: 69.377552
Error norm: 16.292484
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1029 *****
Loss: 4015.526723
Feature norm: 69.377874
Error norm: 25.710249
Active features: 2987
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1030 *****
Loss: 4015.504022
Feature norm: 69.376008
Error norm: 16.421277
Active features: 2987
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1031 *****
Loss: 4015.498491
Feature norm: 69.376125
Error norm: 25.977534
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1032 *****
Loss: 4015.475521
Feature norm: 69.374567
Error norm: 16.263217
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1033 *****
Loss: 4015.470075
Feature norm: 69.374958
Error norm: 25.994133
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1034 *****
Loss: 4015.447198
Feature norm: 69.373200
Error norm: 15.799385
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1035 *****
Loss: 4015.442155
Feature norm: 69.373861
Error norm: 25.905516
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #1036 *****
Loss: 4015.419499
Feature norm: 69.372124
Error norm: 15.561766
Active features: 2983
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1037 *****
Loss: 4015.414936
Feature norm: 69.372970
Error norm: 26.305110
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1038 *****
Loss: 4015.391744
Feature norm: 69.371284
Error norm: 15.231752
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1039 *****
Loss: 4015.387651
Feature norm: 69.371896
Error norm: 26.710688
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1040 *****
Loss: 4015.363788
Feature norm: 69.370637
Error norm: 14.940689
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #1041 *****
Loss: 4015.359925
Feature norm: 69.370949

Error norm: 26.941090
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1042 *****
Loss: 4015.335344
Feature norm: 69.370207
Error norm: 14.693519
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #1043 *****
Loss: 4015.332704
Feature norm: 69.370673
Error norm: 27.604461
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1044 *****
Loss: 4015.307197
Feature norm: 69.369769
Error norm: 14.441267
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1045 *****
Loss: 4015.305226
Feature norm: 69.370275
Error norm: 27.672893
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1046 *****
Loss: 4015.279676
Feature norm: 69.369474
Error norm: 14.091263
Active features: 2984
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #1047 *****
Loss: 4015.278023
Feature norm: 69.369849
Error norm: 27.692662
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1048 *****
Loss: 4015.252465
Feature norm: 69.369197
Error norm: 13.912170
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1049 *****
Loss: 4015.251346
Feature norm: 69.369608
Error norm: 27.922470
Active features: 2981
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1050 *****
Loss: 4015.225282
Feature norm: 69.368967
Error norm: 13.780497
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #1051 *****
Loss: 4015.224250
Feature norm: 69.369380
Error norm: 28.066562
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #1052 *****
Loss: 4015.198051
Feature norm: 69.368733
Error norm: 13.698679
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #1053 *****
Loss: 4015.196888
Feature norm: 69.368837
Error norm: 28.108968
Active features: 2983
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.920

***** Iteration #1054 *****
Loss: 4015.170635
Feature norm: 69.368354
Error norm: 13.694028
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1055 *****
Loss: 4015.170134
Feature norm: 69.368946
Error norm: 28.471711
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #1056 *****
Loss: 4015.143186
Feature norm: 69.367902
Error norm: 13.550963
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1057 *****
Loss: 4015.142690
Feature norm: 69.368363

Error norm: 28.365875
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1058 *****
Loss: 4015.115804
Feature norm: 69.367305
Error norm: 13.388265
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.935

***** Iteration #1059 *****
Loss: 4015.115520
Feature norm: 69.367660
Error norm: 28.470132
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1060 *****
Loss: 4015.088120
Feature norm: 69.367071
Error norm: 13.111788
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1061 *****
Loss: 4015.079309
Feature norm: 69.367034
Error norm: 11.687807
Active features: 2982
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.333

***** Iteration #1062 *****
Loss: 4015.072445
Feature norm: 69.366805
Error norm: 12.168926
Active features: 2981
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.337

***** Iteration #1063 *****
Loss: 4015.064574
Feature norm: 69.366956
Error norm: 13.081275
Active features: 2981
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.330

***** Iteration #1064 *****
Loss: 4015.056058
Feature norm: 69.366465
Error norm: 11.963309
Active features: 2980
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.360

***** Iteration #1065 *****
Loss: 4015.048475
Feature norm: 69.366768
Error norm: 13.870172
Active features: 2984
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.336

***** Iteration #1066 *****
Loss: 4015.039180
Feature norm: 69.366299
Error norm: 12.016623
Active features: 2981
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.371

***** Iteration #1067 *****
Loss: 4015.031441
Feature norm: 69.366560
Error norm: 13.728726
Active features: 2982
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.267

***** Iteration #1068 *****
Loss: 4015.022194
Feature norm: 69.365979
Error norm: 11.827091
Active features: 2982
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.299

***** Iteration #1069 *****
Loss: 4015.014757
Feature norm: 69.366294
Error norm: 13.168411
Active features: 2979
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.386

***** Iteration #1070 *****
Loss: 4015.006385
Feature norm: 69.365850
Error norm: 11.666226
Active features: 2979
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.340

***** Iteration #1071 *****
Loss: 4014.999339
Feature norm: 69.366141
Error norm: 12.530117
Active features: 2976
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.322

***** Iteration #1072 *****
Loss: 4014.991725
Feature norm: 69.365556
Error norm: 11.551241
Active features: 2979
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.313

***** Iteration #1073 *****
Loss: 4014.984578
Feature norm: 69.365936

Error norm: 12.076438
Active features: 2983
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.222

***** Iteration #1074 *****
Loss: 4014.977358
Feature norm: 69.365548
Error norm: 11.942063
Active features: 2984
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.277

***** Iteration #1075 *****
Loss: 4014.970023
Feature norm: 69.365614
Error norm: 12.528429
Active features: 2985
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.335

***** Iteration #1076 *****
Loss: 4014.962314
Feature norm: 69.365127
Error norm: 11.999300
Active features: 2985
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.348

***** Iteration #1077 *****
Loss: 4014.954818
Feature norm: 69.365424
Error norm: 12.641418
Active features: 2985
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.333

***** Iteration #1078 *****
Loss: 4014.947092
Feature norm: 69.364707
Error norm: 11.931453
Active features: 2988
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.424

***** Iteration #1079 *****
Loss: 4014.939543
Feature norm: 69.365003
Error norm: 12.517964
Active features: 2987
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.370

***** Iteration #1080 *****
Loss: 4014.932045
Feature norm: 69.364182
Error norm: 11.889669
Active features: 2985
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.371

***** Iteration #1081 *****
Loss: 4014.924797
Feature norm: 69.364077
Error norm: 12.448103
Active features: 2982
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.337

***** Iteration #1082 *****
Loss: 4014.917462
Feature norm: 69.363222
Error norm: 11.663764
Active features: 2982
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.346

***** Iteration #1083 *****
Loss: 4014.910582
Feature norm: 69.363629
Error norm: 12.357268
Active features: 2981
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.344

***** Iteration #1084 *****
Loss: 4014.903329
Feature norm: 69.363476
Error norm: 11.335827
Active features: 2981
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.379

***** Iteration #1085 *****
Loss: 4014.896848
Feature norm: 69.363605
Error norm: 12.537061
Active features: 2981
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.350

***** Iteration #1086 *****
Loss: 4014.889554
Feature norm: 69.363497
Error norm: 11.259092
Active features: 2978
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.314

***** Iteration #1087 *****
Loss: 4014.883271
Feature norm: 69.364061
Error norm: 12.692089
Active features: 2977
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.454

***** Iteration #1088 *****
Loss: 4014.875910
Feature norm: 69.363724
Error norm: 10.939000
Active features: 2976
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.339

***** Iteration #1089 *****
Loss: 4014.869839
Feature norm: 69.364308

Error norm: 12.817614
Active features: 2976
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.357

***** Iteration #1090 *****
Loss: 4014.862453
Feature norm: 69.363931
Error norm: 10.618060
Active features: 2976
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.329

***** Iteration #1091 *****
Loss: 4014.859417
Feature norm: 69.364807
Error norm: 24.815503
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1092 *****
Loss: 4014.839681
Feature norm: 69.364053
Error norm: 17.100841
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #1093 *****
Loss: 4014.833142
Feature norm: 69.365583
Error norm: 24.723835
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.956

***** Iteration #1094 *****
Loss: 4014.814236
Feature norm: 69.364321
Error norm: 16.275435
Active features: 2977
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #1095 *****
Loss: 4014.808970
Feature norm: 69.365568
Error norm: 24.686974
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1096 *****
Loss: 4014.790020
Feature norm: 69.364407
Error norm: 15.522741
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1097 *****
Loss: 4014.783392
Feature norm: 69.365228
Error norm: 22.763824
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1098 *****
Loss: 4014.765659
Feature norm: 69.364712
Error norm: 12.683012
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #1099 *****
Loss: 4014.761937
Feature norm: 69.365299
Error norm: 23.192090
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #1100 *****
Loss: 4014.744126
Feature norm: 69.364143
Error norm: 13.578549
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1101 *****
Loss: 4014.740393
Feature norm: 69.364953
Error norm: 23.691556
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #1102 *****
Loss: 4014.721163
Feature norm: 69.363868
Error norm: 13.542040
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.954

***** Iteration #1103 *****
Loss: 4014.717811
Feature norm: 69.364189
Error norm: 24.384239
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.975

***** Iteration #1104 *****
Loss: 4014.698133
Feature norm: 69.363393
Error norm: 13.977993
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1105 *****
Loss: 4014.694153
Feature norm: 69.363522

Error norm: 24.564083
Active features: 2975
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1106 *****
Loss: 4014.674348
Feature norm: 69.362771
Error norm: 13.842161
Active features: 2975
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1107 *****
Loss: 4014.671129
Feature norm: 69.363399
Error norm: 25.104050
Active features: 2975
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1108 *****
Loss: 4014.650526
Feature norm: 69.362159
Error norm: 13.779070
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #1109 *****
Loss: 4014.647478
Feature norm: 69.362253
Error norm: 25.439372
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1110 *****
Loss: 4014.626403
Feature norm: 69.361123
Error norm: 13.316980
Active features: 2980
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1111 *****
Loss: 4014.624108
Feature norm: 69.361617
Error norm: 25.909593
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1112 *****
Loss: 4014.602255
Feature norm: 69.360719
Error norm: 12.932213
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1113 *****
Loss: 4014.600532
Feature norm: 69.361260
Error norm: 26.074734
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.969

***** Iteration #1114 *****
Loss: 4014.578299
Feature norm: 69.359953
Error norm: 12.647521
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1115 *****
Loss: 4014.577554
Feature norm: 69.360577
Error norm: 26.660531
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1116 *****
Loss: 4014.554702
Feature norm: 69.359109
Error norm: 12.250127
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1117 *****
Loss: 4014.554545
Feature norm: 69.360003
Error norm: 26.703258
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #1118 *****
Loss: 4014.531473
Feature norm: 69.358088
Error norm: 11.865745
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1119 *****
Loss: 4014.524068
Feature norm: 69.358548
Error norm: 11.022850
Active features: 2986
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.351

***** Iteration #1120 *****
Loss: 4014.523226
Feature norm: 69.357880
Error norm: 36.851912
Active features: 2982
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.431

***** Iteration #1121 *****
Loss: 4014.483755
Feature norm: 69.357429

Error norm: 34.219807
Active features: 2985
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.420

***** Iteration #1122 *****
Loss: 4014.449318
Feature norm: 69.356248
Error norm: 20.211275
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.944

***** Iteration #1123 *****
Loss: 4014.433593
Feature norm: 69.356419
Error norm: 13.475204
Active features: 2997
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.365

***** Iteration #1124 *****
Loss: 4014.428538
Feature norm: 69.355531
Error norm: 21.360243
Active features: 3000
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.331

***** Iteration #1125 *****
Loss: 4014.414714
Feature norm: 69.355929
Error norm: 15.010296
Active features: 2999
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.365

***** Iteration #1126 *****
Loss: 4014.407851
Feature norm: 69.354760
Error norm: 19.683494
Active features: 2998
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.362

***** Iteration #1127 *****
Loss: 4014.401951
Feature norm: 69.354640
Error norm: 25.928081
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #1128 *****
Loss: 4014.380756
Feature norm: 69.354067
Error norm: 15.511047
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.965

***** Iteration #1129 *****
Loss: 4014.377865
Feature norm: 69.353823
Error norm: 24.881810
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1130 *****
Loss: 4014.358324
Feature norm: 69.353158
Error norm: 14.907479
Active features: 2994
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1131 *****
Loss: 4014.354928
Feature norm: 69.352779
Error norm: 23.650732
Active features: 2998
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1132 *****
Loss: 4014.337379
Feature norm: 69.352092
Error norm: 15.853424
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1133 *****
Loss: 4014.332809
Feature norm: 69.351867
Error norm: 23.366433
Active features: 2995
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1134 *****
Loss: 4014.315370
Feature norm: 69.351764
Error norm: 16.440230
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1135 *****
Loss: 4014.310372
Feature norm: 69.351161
Error norm: 23.575477
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.858

***** Iteration #1136 *****
Loss: 4014.292642
Feature norm: 69.350689
Error norm: 16.902494
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1137 *****
Loss: 4014.286625
Feature norm: 69.350383

Error norm: 23.343642
Active features: 2992
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.920

***** Iteration #1138 *****
Loss: 4014.269555
Feature norm: 69.349726
Error norm: 17.645353
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.828

***** Iteration #1139 *****
Loss: 4014.262807
Feature norm: 69.349038
Error norm: 23.350718
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1140 *****
Loss: 4014.245831
Feature norm: 69.348204
Error norm: 18.134863
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.834

***** Iteration #1141 *****
Loss: 4014.238313
Feature norm: 69.347512
Error norm: 23.080568
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1142 *****
Loss: 4014.221771
Feature norm: 69.346801
Error norm: 18.381089
Active features: 2988
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1143 *****
Loss: 4014.214023
Feature norm: 69.346040
Error norm: 22.845704
Active features: 2991
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1144 *****
Loss: 4014.197707
Feature norm: 69.345359
Error norm: 18.099055
Active features: 2990
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1145 *****
Loss: 4014.190126
Feature norm: 69.344862
Error norm: 22.365436
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1146 *****
Loss: 4014.174432
Feature norm: 69.344541
Error norm: 18.028353
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.950

***** Iteration #1147 *****
Loss: 4014.167086
Feature norm: 69.344002
Error norm: 22.512262
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1148 *****
Loss: 4014.151046
Feature norm: 69.343528
Error norm: 17.771652
Active features: 2982
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1149 *****
Loss: 4014.143718
Feature norm: 69.343254
Error norm: 22.595657
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1150 *****
Loss: 4014.127992
Feature norm: 69.342701
Error norm: 18.209394
Active features: 2985
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1151 *****
Loss: 4014.120276
Feature norm: 69.342751
Error norm: 22.805011
Active features: 2984
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1152 *****
Loss: 4014.104209
Feature norm: 69.342129
Error norm: 18.112149
Active features: 2980
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #1153 *****
Loss: 4014.096543
Feature norm: 69.341750

Error norm: 22.899867
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.994

***** Iteration #1154 *****
Loss: 4014.080300
Feature norm: 69.341297
Error norm: 18.124905
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #1155 *****
Loss: 4014.072575
Feature norm: 69.340260
Error norm: 22.925065
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.913

***** Iteration #1156 *****
Loss: 4014.056380
Feature norm: 69.340254
Error norm: 18.204588
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1157 *****
Loss: 4014.048501
Feature norm: 69.338817
Error norm: 22.961124
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1158 *****
Loss: 4014.032524
Feature norm: 69.338462
Error norm: 18.410976
Active features: 2970
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1159 *****
Loss: 4014.024115
Feature norm: 69.337847
Error norm: 22.635459
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1160 *****
Loss: 4014.008315
Feature norm: 69.337127
Error norm: 18.415887
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1161 *****
Loss: 4014.000025
Feature norm: 69.336393
Error norm: 22.602445
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1162 *****
Loss: 4013.984493
Feature norm: 69.335328
Error norm: 18.450586
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.957

***** Iteration #1163 *****
Loss: 4013.975673
Feature norm: 69.334680
Error norm: 21.909302
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #1164 *****
Loss: 4013.961256
Feature norm: 69.334062
Error norm: 18.878741
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.840

***** Iteration #1165 *****
Loss: 4013.952180
Feature norm: 69.332925
Error norm: 22.103653
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1166 *****
Loss: 4013.937457
Feature norm: 69.332353
Error norm: 19.106754
Active features: 2977
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #1167 *****
Loss: 4013.927808
Feature norm: 69.331587
Error norm: 21.884768
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1168 *****
Loss: 4013.913688
Feature norm: 69.330868
Error norm: 19.402245
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1169 *****
Loss: 4013.903678
Feature norm: 69.330194

Error norm: 21.925784
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1170 *****
Loss: 4013.889329
Feature norm: 69.329522
Error norm: 19.147660
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.956

***** Iteration #1171 *****
Loss: 4013.879748
Feature norm: 69.328913
Error norm: 22.043122
Active features: 2974
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1172 *****
Loss: 4013.865120
Feature norm: 69.328030
Error norm: 18.847922
Active features: 2973
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1173 *****
Loss: 4013.855929
Feature norm: 69.327428
Error norm: 22.048536
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1174 *****
Loss: 4013.840901
Feature norm: 69.326716
Error norm: 18.615747
Active features: 2976
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1175 *****
Loss: 4013.832164
Feature norm: 69.326113
Error norm: 22.513917
Active features: 2976
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1176 *****
Loss: 4013.816950
Feature norm: 69.325243
Error norm: 18.923303
Active features: 2979
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1177 *****
Loss: 4013.807778
Feature norm: 69.324751
Error norm: 22.521301
Active features: 2975
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.961

***** Iteration #1178 *****
Loss: 4013.792515
Feature norm: 69.324716
Error norm: 19.016722
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1179 *****
Loss: 4013.783319
Feature norm: 69.323762
Error norm: 22.651757
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1180 *****
Loss: 4013.767874
Feature norm: 69.323569
Error norm: 18.958856
Active features: 2972
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1181 *****
Loss: 4013.758598
Feature norm: 69.322772
Error norm: 22.452916
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.834

***** Iteration #1182 *****
Loss: 4013.743511
Feature norm: 69.322580
Error norm: 18.988746
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.814

***** Iteration #1183 *****
Loss: 4013.734154
Feature norm: 69.321614
Error norm: 22.375311
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1184 *****
Loss: 4013.718945
Feature norm: 69.321506
Error norm: 18.801408
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.943

***** Iteration #1185 *****
Loss: 4013.709709
Feature norm: 69.320527

Error norm: 22.401691
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1186 *****
Loss: 4013.694572
Feature norm: 69.320632
Error norm: 18.810895
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.928

***** Iteration #1187 *****
Loss: 4013.685308
Feature norm: 69.319857
Error norm: 22.351827
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 1.038

***** Iteration #1188 *****
Loss: 4013.669862
Feature norm: 69.319779
Error norm: 18.656537
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.948

***** Iteration #1189 *****
Loss: 4013.661178
Feature norm: 69.319176
Error norm: 22.583178
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.978

***** Iteration #1190 *****
Loss: 4013.645726
Feature norm: 69.319360
Error norm: 18.845002
Active features: 2963
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1191 *****
Loss: 4013.636692
Feature norm: 69.318537
Error norm: 22.409396
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1192 *****
Loss: 4013.621426
Feature norm: 69.318358
Error norm: 18.908556
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1193 *****
Loss: 4013.612209
Feature norm: 69.317797
Error norm: 22.148095
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1194 *****
Loss: 4013.597277
Feature norm: 69.317682
Error norm: 19.022672
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1195 *****
Loss: 4013.587682
Feature norm: 69.317868
Error norm: 21.823359
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1196 *****
Loss: 4013.573211
Feature norm: 69.317637
Error norm: 19.178835
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.840

***** Iteration #1197 *****
Loss: 4013.563517
Feature norm: 69.317697
Error norm: 21.850993
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1198 *****
Loss: 4013.549108
Feature norm: 69.317305
Error norm: 19.363028
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1199 *****
Loss: 4013.539281
Feature norm: 69.317052
Error norm: 21.728338
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1200 *****
Loss: 4013.524990
Feature norm: 69.316899
Error norm: 19.415452
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1201 *****
Loss: 4013.514991
Feature norm: 69.316461

Error norm: 21.537405
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.795

***** Iteration #1202 *****
Loss: 4013.501056
Feature norm: 69.316252
Error norm: 19.429747
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #1203 *****
Loss: 4013.491063
Feature norm: 69.315751
Error norm: 21.466613
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1204 *****
Loss: 4013.477172
Feature norm: 69.315303
Error norm: 19.378993
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #1205 *****
Loss: 4013.467118
Feature norm: 69.315136
Error norm: 21.486620
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.822

***** Iteration #1206 *****
Loss: 4013.453327
Feature norm: 69.314704
Error norm: 19.407587
Active features: 2962
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1207 *****
Loss: 4013.443226
Feature norm: 69.314310
Error norm: 21.513031
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1208 *****
Loss: 4013.429302
Feature norm: 69.313913
Error norm: 19.409831
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1209 *****
Loss: 4013.419108
Feature norm: 69.313494
Error norm: 21.390812
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1210 *****
Loss: 4013.405277
Feature norm: 69.312893
Error norm: 19.568612
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.741

***** Iteration #1211 *****
Loss: 4013.395048
Feature norm: 69.312414
Error norm: 21.515974
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #1212 *****
Loss: 4013.381116
Feature norm: 69.312046
Error norm: 19.738894
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #1213 *****
Loss: 4013.370612
Feature norm: 69.311397
Error norm: 21.385028
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1214 *****
Loss: 4013.356656
Feature norm: 69.310998
Error norm: 19.819147
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1215 *****
Loss: 4013.346067
Feature norm: 69.310401
Error norm: 21.379141
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1216 *****
Loss: 4013.332112
Feature norm: 69.309819
Error norm: 19.980930
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1217 *****
Loss: 4013.321364
Feature norm: 69.309292

Error norm: 21.263969
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1218 *****
Loss: 4013.307642
Feature norm: 69.308535
Error norm: 20.132997
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #1219 *****
Loss: 4013.296667
Feature norm: 69.307961
Error norm: 21.002991
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1220 *****
Loss: 4013.283249
Feature norm: 69.307697
Error norm: 20.145122
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1221 *****
Loss: 4013.272238
Feature norm: 69.307369
Error norm: 20.741532
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1222 *****
Loss: 4013.259339
Feature norm: 69.307073
Error norm: 20.300802
Active features: 2959
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1223 *****
Loss: 4013.248023
Feature norm: 69.306760
Error norm: 20.410545
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #1224 *****
Loss: 4013.235504
Feature norm: 69.306511
Error norm: 20.475188
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1225 *****
Loss: 4013.223798
Feature norm: 69.306359
Error norm: 20.131927
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1226 *****
Loss: 4013.211781
Feature norm: 69.306328
Error norm: 20.709531
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #1227 *****
Loss: 4013.199625
Feature norm: 69.306038
Error norm: 19.962077
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.794

***** Iteration #1228 *****
Loss: 4013.188102
Feature norm: 69.306063
Error norm: 20.921216
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1229 *****
Loss: 4013.175700
Feature norm: 69.305988
Error norm: 19.867177
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1230 *****
Loss: 4013.164286
Feature norm: 69.305807
Error norm: 20.839434
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1231 *****
Loss: 4013.151704
Feature norm: 69.305829
Error norm: 19.690349
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #1232 *****
Loss: 4013.140671
Feature norm: 69.305539
Error norm: 20.895552
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1233 *****
Loss: 4013.128026
Feature norm: 69.305544

Error norm: 19.705713
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.979

***** Iteration #1234 *****
Loss: 4013.116976
Feature norm: 69.305355
Error norm: 20.896692
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1235 *****
Loss: 4013.104042
Feature norm: 69.305222
Error norm: 19.476910
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1236 *****
Loss: 4013.093474
Feature norm: 69.305018
Error norm: 21.106098
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1237 *****
Loss: 4013.080383
Feature norm: 69.304501
Error norm: 19.391320
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.805

***** Iteration #1238 *****
Loss: 4013.069780
Feature norm: 69.304236
Error norm: 21.160680
Active features: 2955
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1239 *****
Loss: 4013.056782
Feature norm: 69.303623
Error norm: 19.291149
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1240 *****
Loss: 4013.046435
Feature norm: 69.303239
Error norm: 21.380139
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1241 *****
Loss: 4013.032944
Feature norm: 69.302683
Error norm: 19.011821
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1242 *****
Loss: 4013.023052
Feature norm: 69.302382
Error norm: 21.597213
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.832

***** Iteration #1243 *****
Loss: 4013.009289
Feature norm: 69.301865
Error norm: 18.818444
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1244 *****
Loss: 4012.999631
Feature norm: 69.301625
Error norm: 21.583762
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1245 *****
Loss: 4012.985547
Feature norm: 69.301104
Error norm: 18.628849
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.770

***** Iteration #1246 *****
Loss: 4012.976270
Feature norm: 69.300659
Error norm: 21.723443
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.765

***** Iteration #1247 *****
Loss: 4012.962101
Feature norm: 69.300418
Error norm: 18.659796
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.832

***** Iteration #1248 *****
Loss: 4012.952776
Feature norm: 69.300020
Error norm: 21.701360
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #1249 *****
Loss: 4012.938612
Feature norm: 69.299718

Error norm: 18.716180
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #1250 *****
Loss: 4012.929336
Feature norm: 69.299318
Error norm: 21.786611
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1251 *****
Loss: 4012.915004
Feature norm: 69.298875
Error norm: 18.611350
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1252 *****
Loss: 4012.905833
Feature norm: 69.298609
Error norm: 21.727136
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1253 *****
Loss: 4012.891411
Feature norm: 69.298228
Error norm: 18.546085
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1254 *****
Loss: 4012.882215
Feature norm: 69.297937
Error norm: 21.812599
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1255 *****
Loss: 4012.867794
Feature norm: 69.297489
Error norm: 18.497575
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1256 *****
Loss: 4012.858667
Feature norm: 69.297214
Error norm: 21.953687
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1257 *****
Loss: 4012.844076
Feature norm: 69.297055
Error norm: 18.422467
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1258 *****
Loss: 4012.834993
Feature norm: 69.296788
Error norm: 22.020725
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1259 *****
Loss: 4012.820058
Feature norm: 69.296736
Error norm: 18.239952
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.832

***** Iteration #1260 *****
Loss: 4012.811128
Feature norm: 69.296644
Error norm: 22.208010
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1261 *****
Loss: 4012.795940
Feature norm: 69.296556
Error norm: 18.237188
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1262 *****
Loss: 4012.787220
Feature norm: 69.296279
Error norm: 22.490863
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1263 *****
Loss: 4012.771732
Feature norm: 69.296120
Error norm: 18.066782
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1264 *****
Loss: 4012.763236
Feature norm: 69.295629
Error norm: 22.668592
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1265 *****
Loss: 4012.747355
Feature norm: 69.295547

Error norm: 17.714275
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1266 *****
Loss: 4012.738260
Feature norm: 69.295269
Error norm: 22.147267
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.926

***** Iteration #1267 *****
Loss: 4012.723609
Feature norm: 69.295402
Error norm: 18.336452
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1268 *****
Loss: 4012.715026
Feature norm: 69.294822
Error norm: 22.759485
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.816

***** Iteration #1269 *****
Loss: 4012.699452
Feature norm: 69.294780
Error norm: 18.017963
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1270 *****
Loss: 4012.691332
Feature norm: 69.294538
Error norm: 22.760512
Active features: 2950
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1271 *****
Loss: 4012.675223
Feature norm: 69.294640
Error norm: 17.666833
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #1272 *****
Loss: 4012.667391
Feature norm: 69.294489
Error norm: 22.709205
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.939

***** Iteration #1273 *****
Loss: 4012.651548
Feature norm: 69.294289
Error norm: 17.209521
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #1274 *****
Loss: 4012.644288
Feature norm: 69.294184
Error norm: 22.853780
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1275 *****
Loss: 4012.628103
Feature norm: 69.294087
Error norm: 17.123250
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.780

***** Iteration #1276 *****
Loss: 4012.621128
Feature norm: 69.293859
Error norm: 23.057254
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.806

***** Iteration #1277 *****
Loss: 4012.604644
Feature norm: 69.293627
Error norm: 16.915734
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1278 *****
Loss: 4012.597887
Feature norm: 69.293401
Error norm: 23.319333
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1279 *****
Loss: 4012.581139
Feature norm: 69.293373
Error norm: 16.649391
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1280 *****
Loss: 4012.574843
Feature norm: 69.293106
Error norm: 23.423560
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1281 *****
Loss: 4012.557774
Feature norm: 69.293029

Error norm: 16.408514
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1282 *****
Loss: 4012.551970
Feature norm: 69.293071
Error norm: 23.608386
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #1283 *****
Loss: 4012.534496
Feature norm: 69.292769
Error norm: 16.187164
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1284 *****
Loss: 4012.529051
Feature norm: 69.292742
Error norm: 23.739732
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #1285 *****
Loss: 4012.511366
Feature norm: 69.292481
Error norm: 15.949053
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #1286 *****
Loss: 4012.506153
Feature norm: 69.292524
Error norm: 23.782950
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1287 *****
Loss: 4012.488250
Feature norm: 69.292320
Error norm: 15.696906
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1288 *****
Loss: 4012.483444
Feature norm: 69.292209
Error norm: 23.931555
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1289 *****
Loss: 4012.465430
Feature norm: 69.292047
Error norm: 15.627561
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1290 *****
Loss: 4012.460739
Feature norm: 69.291787
Error norm: 24.066331
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1291 *****
Loss: 4012.442671
Feature norm: 69.291554
Error norm: 15.546329
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1292 *****
Loss: 4012.438256
Feature norm: 69.291433
Error norm: 24.293188
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1293 *****
Loss: 4012.419643
Feature norm: 69.291083
Error norm: 15.207710
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1294 *****
Loss: 4012.415749
Feature norm: 69.291357
Error norm: 24.461266
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1295 *****
Loss: 4012.396809
Feature norm: 69.290871
Error norm: 14.984080
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1296 *****
Loss: 4012.393225
Feature norm: 69.291034
Error norm: 24.636409
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1297 *****
Loss: 4012.374001
Feature norm: 69.290582

Error norm: 14.762667
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #1298 *****
Loss: 4012.370609
Feature norm: 69.290654
Error norm: 24.750038
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1299 *****
Loss: 4012.351122
Feature norm: 69.290179
Error norm: 14.709446
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1300 *****
Loss: 4012.348111
Feature norm: 69.290121
Error norm: 25.078949
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1301 *****
Loss: 4012.328045
Feature norm: 69.289618
Error norm: 14.585046
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #1302 *****
Loss: 4012.325404
Feature norm: 69.289707
Error norm: 25.332820
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1303 *****
Loss: 4012.304962
Feature norm: 69.289126
Error norm: 14.505056
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1304 *****
Loss: 4012.302439
Feature norm: 69.289173
Error norm: 25.432876
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1305 *****
Loss: 4012.281741
Feature norm: 69.288410
Error norm: 14.296826
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1306 *****
Loss: 4012.279662
Feature norm: 69.288450
Error norm: 25.667791
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1307 *****
Loss: 4012.258596
Feature norm: 69.287814
Error norm: 14.134828
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1308 *****
Loss: 4012.256560
Feature norm: 69.287734
Error norm: 25.703228
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1309 *****
Loss: 4012.235423
Feature norm: 69.287260
Error norm: 14.086253
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1310 *****
Loss: 4012.233684
Feature norm: 69.287325
Error norm: 25.941475
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.918

***** Iteration #1311 *****
Loss: 4012.212048
Feature norm: 69.286638
Error norm: 13.897677
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1312 *****
Loss: 4012.210592
Feature norm: 69.286541
Error norm: 26.111174
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1313 *****
Loss: 4012.188666
Feature norm: 69.285878

Error norm: 13.757040
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.945

***** Iteration #1314 *****
Loss: 4012.187473
Feature norm: 69.285621
Error norm: 26.249256
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #1315 *****
Loss: 4012.165491
Feature norm: 69.284828
Error norm: 13.591093
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1316 *****
Loss: 4012.164400
Feature norm: 69.284792
Error norm: 26.154329
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1317 *****
Loss: 4012.142545
Feature norm: 69.284039
Error norm: 13.456400
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.840

***** Iteration #1318 *****
Loss: 4012.141323
Feature norm: 69.284068
Error norm: 25.927940
Active features: 2952
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1319 *****
Loss: 4012.119862
Feature norm: 69.283330
Error norm: 13.515463
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1320 *****
Loss: 4012.118531
Feature norm: 69.283423
Error norm: 25.937133
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1321 *****
Loss: 4012.097274
Feature norm: 69.282557
Error norm: 13.410810
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #1322 *****
Loss: 4012.096337
Feature norm: 69.282633
Error norm: 26.261061
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1323 *****
Loss: 4012.074618
Feature norm: 69.281581
Error norm: 13.278983
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.925

***** Iteration #1324 *****
Loss: 4012.074013
Feature norm: 69.281701
Error norm: 26.506892
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.920

***** Iteration #1325 *****
Loss: 4012.051873
Feature norm: 69.280658
Error norm: 12.996745
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1326 *****
Loss: 4012.050090
Feature norm: 69.280907
Error norm: 25.987021
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1327 *****
Loss: 4012.028915
Feature norm: 69.279997
Error norm: 13.719559
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1328 *****
Loss: 4012.028327
Feature norm: 69.280181
Error norm: 27.064855
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.939

***** Iteration #1329 *****
Loss: 4012.005542
Feature norm: 69.279319

Error norm: 13.500557
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #1330 *****
Loss: 4012.005469
Feature norm: 69.279613
Error norm: 27.268924
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1331 *****
Loss: 4011.982155
Feature norm: 69.278737
Error norm: 13.235544
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1332 *****
Loss: 4011.974242
Feature norm: 69.278823
Error norm: 10.326936
Active features: 2952
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.416

***** Iteration #1333 *****
Loss: 4011.934189
Feature norm: 69.278003
Error norm: 11.805670
Active features: 2951
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.408

***** Iteration #1334 *****
Loss: 4011.914238
Feature norm: 69.276508
Error norm: 35.801494
Active features: 2958
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.285

***** Iteration #1335 *****
Loss: 4011.894412
Feature norm: 69.275733
Error norm: 31.728537
Active features: 2965
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.770

***** Iteration #1336 *****
Loss: 4011.873349
Feature norm: 69.275263
Error norm: 27.295241
Active features: 2982
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.670

***** Iteration #1337 *****
Loss: 4011.866888
Feature norm: 69.275145
Error norm: 37.065973
Active features: 2973
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.774

***** Iteration #1338 *****
Loss: 4011.833923
Feature norm: 69.274337
Error norm: 24.163298
Active features: 2973
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.739

***** Iteration #1339 *****
Loss: 4011.833174
Feature norm: 69.274082
Error norm: 37.653443
Active features: 2973
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.748

***** Iteration #1340 *****
Loss: 4011.825117
Feature norm: 69.272728
Error norm: 41.799092
Active features: 2986
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1341 *****
Loss: 4011.772671
Feature norm: 69.272421
Error norm: 25.934246
Active features: 2971
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.412

***** Iteration #1342 *****
Loss: 4011.752574
Feature norm: 69.271945
Error norm: 11.695328
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1343 *****
Loss: 4011.748897
Feature norm: 69.271612
Error norm: 23.947815
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #1344 *****
Loss: 4011.730442
Feature norm: 69.271121
Error norm: 14.045726
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1345 *****
Loss: 4011.719435
Feature norm: 69.270859

Error norm: 20.869093
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1346 *****
Loss: 4011.707699
Feature norm: 69.270563
Error norm: 21.257634
Active features: 2968
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1347 *****
Loss: 4011.694715
Feature norm: 69.270538
Error norm: 22.799274
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.900

***** Iteration #1348 *****
Loss: 4011.680094
Feature norm: 69.270069
Error norm: 21.319480
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1349 *****
Loss: 4011.666430
Feature norm: 69.270183
Error norm: 20.692702
Active features: 2971
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1350 *****
Loss: 4011.653543
Feature norm: 69.269855
Error norm: 19.566568
Active features: 2972
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1351 *****
Loss: 4011.641599
Feature norm: 69.270063
Error norm: 18.932004
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1352 *****
Loss: 4011.629699
Feature norm: 69.269817
Error norm: 17.333701
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1353 *****
Loss: 4011.620630
Feature norm: 69.270028
Error norm: 19.049018
Active features: 2971
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1354 *****
Loss: 4011.608582
Feature norm: 69.269873
Error norm: 17.497087
Active features: 2971
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #1355 *****
Loss: 4011.599628
Feature norm: 69.270029
Error norm: 19.613132
Active features: 2971
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1356 *****
Loss: 4011.586892
Feature norm: 69.269856
Error norm: 17.608296
Active features: 2971
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.936

***** Iteration #1357 *****
Loss: 4011.577628
Feature norm: 69.270057
Error norm: 19.669154
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1358 *****
Loss: 4011.564843
Feature norm: 69.269771
Error norm: 17.787720
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1359 *****
Loss: 4011.555489
Feature norm: 69.269935
Error norm: 19.759313
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1360 *****
Loss: 4011.542510
Feature norm: 69.269702
Error norm: 17.739016
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.837

***** Iteration #1361 *****
Loss: 4011.533167
Feature norm: 69.269998

Error norm: 19.938131
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1362 *****
Loss: 4011.519981
Feature norm: 69.269870
Error norm: 17.787910
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.929

***** Iteration #1363 *****
Loss: 4011.510436
Feature norm: 69.270073
Error norm: 20.075432
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #1364 *****
Loss: 4011.497116
Feature norm: 69.269869
Error norm: 17.876117
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1365 *****
Loss: 4011.487392
Feature norm: 69.269950
Error norm: 20.174556
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1366 *****
Loss: 4011.473854
Feature norm: 69.269527
Error norm: 17.899813
Active features: 2970
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1367 *****
Loss: 4011.464017
Feature norm: 69.269761
Error norm: 20.348402
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1368 *****
Loss: 4011.450247
Feature norm: 69.269345
Error norm: 18.009774
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.960

***** Iteration #1369 *****
Loss: 4011.440247
Feature norm: 69.269337
Error norm: 20.457833
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1370 *****
Loss: 4011.426356
Feature norm: 69.268845
Error norm: 18.033384
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1371 *****
Loss: 4011.416626
Feature norm: 69.268734
Error norm: 20.422524
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1372 *****
Loss: 4011.402893
Feature norm: 69.268489
Error norm: 17.878727
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1373 *****
Loss: 4011.393498
Feature norm: 69.268520
Error norm: 20.364667
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1374 *****
Loss: 4011.379877
Feature norm: 69.267953
Error norm: 17.566880
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1375 *****
Loss: 4011.370732
Feature norm: 69.267905
Error norm: 20.245270
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1376 *****
Loss: 4011.357353
Feature norm: 69.267230
Error norm: 17.180805
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1377 *****
Loss: 4011.348614
Feature norm: 69.267642

Error norm: 20.282099
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #1378 *****
Loss: 4011.334817
Feature norm: 69.267107
Error norm: 16.762791
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.801

***** Iteration #1379 *****
Loss: 4011.326852
Feature norm: 69.267336
Error norm: 20.762312
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1380 *****
Loss: 4011.312608
Feature norm: 69.266547
Error norm: 16.704913
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.824

***** Iteration #1381 *****
Loss: 4011.304801
Feature norm: 69.266770
Error norm: 20.928625
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.823

***** Iteration #1382 *****
Loss: 4011.290161
Feature norm: 69.265922
Error norm: 16.465648
Active features: 2969
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.819

***** Iteration #1383 *****
Loss: 4011.282866
Feature norm: 69.266040
Error norm: 21.244981
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1384 *****
Loss: 4011.267702
Feature norm: 69.265093
Error norm: 16.214558
Active features: 2969
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1385 *****
Loss: 4011.260704
Feature norm: 69.265338
Error norm: 21.427406
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1386 *****
Loss: 4011.245159
Feature norm: 69.264533
Error norm: 16.047163
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1387 *****
Loss: 4011.238573
Feature norm: 69.264856
Error norm: 21.806985
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.929

***** Iteration #1388 *****
Loss: 4011.222786
Feature norm: 69.263856
Error norm: 16.147242
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.916

***** Iteration #1389 *****
Loss: 4011.216120
Feature norm: 69.264218
Error norm: 21.885520
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.885

***** Iteration #1390 *****
Loss: 4011.200107
Feature norm: 69.263676
Error norm: 16.135512
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.813

***** Iteration #1391 *****
Loss: 4011.193469
Feature norm: 69.263895
Error norm: 21.912576
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1392 *****
Loss: 4011.177334
Feature norm: 69.263509
Error norm: 16.085036
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.810

***** Iteration #1393 *****
Loss: 4011.170856
Feature norm: 69.263581

Error norm: 21.822280
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1394 *****
Loss: 4011.154796
Feature norm: 69.263369
Error norm: 15.993392
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.802

***** Iteration #1395 *****
Loss: 4011.148454
Feature norm: 69.263911
Error norm: 21.787213
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1396 *****
Loss: 4011.132497
Feature norm: 69.263393
Error norm: 16.024911
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1397 *****
Loss: 4011.126035
Feature norm: 69.263834
Error norm: 21.660098
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #1398 *****
Loss: 4011.110228
Feature norm: 69.263526
Error norm: 16.051963
Active features: 2967
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1399 *****
Loss: 4011.103915
Feature norm: 69.264089
Error norm: 21.761961
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.935

***** Iteration #1400 *****
Loss: 4011.087984
Feature norm: 69.263633
Error norm: 15.971600
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1401 *****
Loss: 4011.081843
Feature norm: 69.264156
Error norm: 21.773633
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1402 *****
Loss: 4011.065821
Feature norm: 69.263616
Error norm: 15.827031
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1403 *****
Loss: 4011.059854
Feature norm: 69.264054
Error norm: 21.730025
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1404 *****
Loss: 4011.043881
Feature norm: 69.263465
Error norm: 15.676533
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1405 *****
Loss: 4011.038206
Feature norm: 69.263741
Error norm: 21.696914
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1406 *****
Loss: 4011.022196
Feature norm: 69.263131
Error norm: 15.455635
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #1407 *****
Loss: 4011.016723
Feature norm: 69.263484
Error norm: 21.593769
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1408 *****
Loss: 4011.000947
Feature norm: 69.262855
Error norm: 15.401800
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1409 *****
Loss: 4010.995566
Feature norm: 69.263644

Error norm: 21.527792
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1410 *****
Loss: 4010.979607
Feature norm: 69.263287
Error norm: 15.163722
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1411 *****
Loss: 4010.974669
Feature norm: 69.263919
Error norm: 21.775013
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #1412 *****
Loss: 4010.958479
Feature norm: 69.263589
Error norm: 15.175461
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1413 *****
Loss: 4010.953525
Feature norm: 69.264153
Error norm: 21.840344
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1414 *****
Loss: 4010.937230
Feature norm: 69.263647
Error norm: 15.175165
Active features: 2961
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1415 *****
Loss: 4010.932440
Feature norm: 69.264178
Error norm: 22.013154
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1416 *****
Loss: 4010.916001
Feature norm: 69.263748
Error norm: 15.152871
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1417 *****
Loss: 4010.911329
Feature norm: 69.264187
Error norm: 22.080453
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1418 *****
Loss: 4010.894792
Feature norm: 69.263774
Error norm: 15.038765
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1419 *****
Loss: 4010.890273
Feature norm: 69.264232
Error norm: 22.117027
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1420 *****
Loss: 4010.873616
Feature norm: 69.263794
Error norm: 14.922502
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1421 *****
Loss: 4010.869171
Feature norm: 69.264266
Error norm: 22.099745
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1422 *****
Loss: 4010.852501
Feature norm: 69.263867
Error norm: 14.869727
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #1423 *****
Loss: 4010.848297
Feature norm: 69.264314
Error norm: 22.263797
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1424 *****
Loss: 4010.831372
Feature norm: 69.263797
Error norm: 14.800339
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1425 *****
Loss: 4010.827280
Feature norm: 69.264213

Error norm: 22.324888
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1426 *****
Loss: 4010.810306
Feature norm: 69.263699
Error norm: 14.721966
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1427 *****
Loss: 4010.806313
Feature norm: 69.263899
Error norm: 22.367642
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.985

***** Iteration #1428 *****
Loss: 4010.789161
Feature norm: 69.263401
Error norm: 14.508502
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.956

***** Iteration #1429 *****
Loss: 4010.785573
Feature norm: 69.263616
Error norm: 22.560904
Active features: 2952
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1430 *****
Loss: 4010.768139
Feature norm: 69.263065
Error norm: 14.343306
Active features: 2955
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1431 *****
Loss: 4010.764784
Feature norm: 69.263404
Error norm: 22.663183
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1432 *****
Loss: 4010.747212
Feature norm: 69.262730
Error norm: 14.225903
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1433 *****
Loss: 4010.743986
Feature norm: 69.263127
Error norm: 22.707237
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1434 *****
Loss: 4010.726340
Feature norm: 69.262598
Error norm: 14.166907
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 1.001

***** Iteration #1435 *****
Loss: 4010.723057
Feature norm: 69.262882
Error norm: 22.702810
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1436 *****
Loss: 4010.705465
Feature norm: 69.262299
Error norm: 14.241436
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1437 *****
Loss: 4010.702206
Feature norm: 69.262658
Error norm: 22.808715
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #1438 *****
Loss: 4010.684441
Feature norm: 69.262064
Error norm: 14.219328
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #1439 *****
Loss: 4010.681161
Feature norm: 69.262426
Error norm: 22.860878
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #1440 *****
Loss: 4010.663233
Feature norm: 69.261746
Error norm: 14.216644
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1441 *****
Loss: 4010.660186
Feature norm: 69.261988

Error norm: 23.055153
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #1442 *****
Loss: 4010.642084
Feature norm: 69.261304
Error norm: 14.202842
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.923

***** Iteration #1443 *****
Loss: 4010.638899
Feature norm: 69.261395
Error norm: 22.855404
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1444 *****
Loss: 4010.621066
Feature norm: 69.260784
Error norm: 14.220066
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1445 *****
Loss: 4010.617860
Feature norm: 69.261099
Error norm: 22.776642
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1446 *****
Loss: 4010.600123
Feature norm: 69.260433
Error norm: 14.251058
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.868

***** Iteration #1447 *****
Loss: 4010.596945
Feature norm: 69.260602
Error norm: 22.834695
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.901

***** Iteration #1448 *****
Loss: 4010.579206
Feature norm: 69.260050
Error norm: 14.300438
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.861

***** Iteration #1449 *****
Loss: 4010.576028
Feature norm: 69.260225
Error norm: 22.913292
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1450 *****
Loss: 4010.558148
Feature norm: 69.259653
Error norm: 14.182250
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1451 *****
Loss: 4010.554957
Feature norm: 69.259652
Error norm: 22.890624
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1452 *****
Loss: 4010.537091
Feature norm: 69.258943
Error norm: 14.169978
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1453 *****
Loss: 4010.533948
Feature norm: 69.258963
Error norm: 22.939687
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.838

***** Iteration #1454 *****
Loss: 4010.516015
Feature norm: 69.258328
Error norm: 14.121486
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #1455 *****
Loss: 4010.513045
Feature norm: 69.258238
Error norm: 23.101371
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1456 *****
Loss: 4010.494865
Feature norm: 69.257687
Error norm: 14.044831
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.979

***** Iteration #1457 *****
Loss: 4010.492140
Feature norm: 69.257557

Error norm: 23.221916
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1458 *****
Loss: 4010.473791
Feature norm: 69.256813
Error norm: 13.895453
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #1459 *****
Loss: 4010.471176
Feature norm: 69.256867
Error norm: 23.163062
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1460 *****
Loss: 4010.452950
Feature norm: 69.256174
Error norm: 13.709181
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1461 *****
Loss: 4010.450506
Feature norm: 69.256228
Error norm: 23.094283
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.927

***** Iteration #1462 *****
Loss: 4010.432395
Feature norm: 69.255599
Error norm: 13.515812
Active features: 2950
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1463 *****
Loss: 4010.430208
Feature norm: 69.255731
Error norm: 23.120864
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #1464 *****
Loss: 4010.412017
Feature norm: 69.255100
Error norm: 13.334073
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.826

***** Iteration #1465 *****
Loss: 4010.410068
Feature norm: 69.255291
Error norm: 23.213279
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #1466 *****
Loss: 4010.391764
Feature norm: 69.254677
Error norm: 13.204417
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.818

***** Iteration #1467 *****
Loss: 4010.390010
Feature norm: 69.254868
Error norm: 23.331539
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1468 *****
Loss: 4010.371482
Feature norm: 69.254472
Error norm: 13.083002
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1469 *****
Loss: 4010.369982
Feature norm: 69.254669
Error norm: 23.500365
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1470 *****
Loss: 4010.351255
Feature norm: 69.254066
Error norm: 13.052999
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.955

***** Iteration #1471 *****
Loss: 4010.349823
Feature norm: 69.254298
Error norm: 23.566107
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1472 *****
Loss: 4010.330950
Feature norm: 69.253712
Error norm: 12.980831
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #1473 *****
Loss: 4010.329679
Feature norm: 69.253910

Error norm: 23.666126
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #1474 *****
Loss: 4010.310578
Feature norm: 69.253394
Error norm: 12.875555
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1475 *****
Loss: 4010.309300
Feature norm: 69.253811
Error norm: 23.661532
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1476 *****
Loss: 4010.290298
Feature norm: 69.253207
Error norm: 12.947411
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1477 *****
Loss: 4010.289191
Feature norm: 69.253401
Error norm: 23.843175
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.923

***** Iteration #1478 *****
Loss: 4010.269858
Feature norm: 69.252774
Error norm: 12.871143
Active features: 2943
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1479 *****
Loss: 4010.268844
Feature norm: 69.253014
Error norm: 23.914971
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1480 *****
Loss: 4010.249356
Feature norm: 69.252324
Error norm: 12.824250
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.776

***** Iteration #1481 *****
Loss: 4010.248394
Feature norm: 69.252597
Error norm: 23.958548
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.826

***** Iteration #1482 *****
Loss: 4010.228793
Feature norm: 69.251886
Error norm: 12.743735
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1483 *****
Loss: 4010.227919
Feature norm: 69.252169
Error norm: 24.028491
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1484 *****
Loss: 4010.208195
Feature norm: 69.251507
Error norm: 12.769521
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1485 *****
Loss: 4010.207119
Feature norm: 69.251753
Error norm: 23.999004
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1486 *****
Loss: 4010.187464
Feature norm: 69.251036
Error norm: 12.858474
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1487 *****
Loss: 4010.186385
Feature norm: 69.250972
Error norm: 24.037453
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #1488 *****
Loss: 4010.166815
Feature norm: 69.250225
Error norm: 12.890457
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #1489 *****
Loss: 4010.165654
Feature norm: 69.250560

Error norm: 23.862883
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1490 *****
Loss: 4010.146307
Feature norm: 69.249793
Error norm: 12.816319
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #1491 *****
Loss: 4010.145486
Feature norm: 69.250211
Error norm: 24.098279
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1492 *****
Loss: 4010.125805
Feature norm: 69.249326
Error norm: 12.703323
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1493 *****
Loss: 4010.124775
Feature norm: 69.249900
Error norm: 23.928325
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #1494 *****
Loss: 4010.105474
Feature norm: 69.248934
Error norm: 12.792163
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1495 *****
Loss: 4010.104674
Feature norm: 69.249598
Error norm: 24.103582
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1496 *****
Loss: 4010.085103
Feature norm: 69.248604
Error norm: 12.614795
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1497 *****
Loss: 4010.084502
Feature norm: 69.249185
Error norm: 24.176769
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1498 *****
Loss: 4010.064818
Feature norm: 69.248236
Error norm: 12.485559
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1499 *****
Loss: 4010.064402
Feature norm: 69.248752
Error norm: 24.275506
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1500 *****
Loss: 4010.044586
Feature norm: 69.247778
Error norm: 12.269024
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.759

***** Iteration #1501 *****
Loss: 4010.044493
Feature norm: 69.248289
Error norm: 24.379718
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #1502 *****
Loss: 4010.024485
Feature norm: 69.247326
Error norm: 12.117519
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1503 *****
Loss: 4010.017708
Feature norm: 69.247494
Error norm: 9.317041
Active features: 2954
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.204

***** Iteration #1504 *****
Loss: 4010.007068
Feature norm: 69.247030
Error norm: 27.841403
Active features: 2954
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.456

***** Iteration #1505 *****
Loss: 4009.981571
Feature norm: 69.246311

Error norm: 17.646632
Active features: 2953
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.947

***** Iteration #1506 *****
Loss: 4009.970722
Feature norm: 69.245567
Error norm: 13.027332
Active features: 2959
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.242

***** Iteration #1507 *****
Loss: 4009.969671
Feature norm: 69.244903
Error norm: 31.825973
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.776

***** Iteration #1508 *****
Loss: 4009.947946
Feature norm: 69.243625
Error norm: 29.217438
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #1509 *****
Loss: 4009.924303
Feature norm: 69.243603
Error norm: 14.505464
Active features: 2963
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.309

***** Iteration #1510 *****
Loss: 4009.913609
Feature norm: 69.243546
Error norm: 17.512113
Active features: 2964
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.226

***** Iteration #1511 *****
Loss: 4009.902322
Feature norm: 69.243434
Error norm: 10.839551
Active features: 2962
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.225

***** Iteration #1512 *****
Loss: 4009.898570
Feature norm: 69.243008
Error norm: 31.196938
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.795

***** Iteration #1513 *****
Loss: 4009.880898
Feature norm: 69.242734
Error norm: 25.798033
Active features: 2967
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.771

***** Iteration #1514 *****
Loss: 4009.863104
Feature norm: 69.242481
Error norm: 20.509495
Active features: 2966
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.789

***** Iteration #1515 *****
Loss: 4009.856328
Feature norm: 69.243026
Error norm: 26.706547
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.821

***** Iteration #1516 *****
Loss: 4009.837263
Feature norm: 69.242542
Error norm: 20.231290
Active features: 2964
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.802

***** Iteration #1517 *****
Loss: 4009.826466
Feature norm: 69.243049
Error norm: 21.100762
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.807

***** Iteration #1518 *****
Loss: 4009.813110
Feature norm: 69.243061
Error norm: 18.743215
Active features: 2956
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1519 *****
Loss: 4009.800712
Feature norm: 69.243468
Error norm: 15.608773
Active features: 2956
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.825

***** Iteration #1520 *****
Loss: 4009.793098
Feature norm: 69.243366
Error norm: 20.734689
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #1521 *****
Loss: 4009.781009
Feature norm: 69.243694

Error norm: 17.425922
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #1522 *****
Loss: 4009.772236
Feature norm: 69.243784
Error norm: 21.944325
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.842

***** Iteration #1523 *****
Loss: 4009.759697
Feature norm: 69.243802
Error norm: 18.505963
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #1524 *****
Loss: 4009.749264
Feature norm: 69.243772
Error norm: 21.318792
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1525 *****
Loss: 4009.737543
Feature norm: 69.243636
Error norm: 18.831321
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1526 *****
Loss: 4009.726856
Feature norm: 69.243860
Error norm: 20.290064
Active features: 2948
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1527 *****
Loss: 4009.715588
Feature norm: 69.244250
Error norm: 17.820698
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1528 *****
Loss: 4009.706092
Feature norm: 69.244248
Error norm: 19.986453
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #1529 *****
Loss: 4009.694907
Feature norm: 69.244584
Error norm: 17.355071
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1530 *****
Loss: 4009.686098
Feature norm: 69.244676
Error norm: 19.913424
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.791

***** Iteration #1531 *****
Loss: 4009.674709
Feature norm: 69.244825
Error norm: 16.938874
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1532 *****
Loss: 4009.666577
Feature norm: 69.244749
Error norm: 19.940124
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #1533 *****
Loss: 4009.655062
Feature norm: 69.244808
Error norm: 16.795524
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #1534 *****
Loss: 4009.647213
Feature norm: 69.244714
Error norm: 19.952984
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1535 *****
Loss: 4009.635464
Feature norm: 69.244837
Error norm: 16.583971
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1536 *****
Loss: 4009.628131
Feature norm: 69.244592
Error norm: 20.265053
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.753

***** Iteration #1537 *****
Loss: 4009.615847
Feature norm: 69.244522

Error norm: 16.468120
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1538 *****
Loss: 4009.608800
Feature norm: 69.244224
Error norm: 20.520315
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1539 *****
Loss: 4009.596035
Feature norm: 69.244128
Error norm: 16.399446
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1540 *****
Loss: 4009.589318
Feature norm: 69.244096
Error norm: 20.890263
Active features: 2949
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1541 *****
Loss: 4009.575994
Feature norm: 69.243944
Error norm: 16.445010
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #1542 *****
Loss: 4009.569499
Feature norm: 69.243960
Error norm: 21.175920
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1543 *****
Loss: 4009.555786
Feature norm: 69.243690
Error norm: 16.514005
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1544 *****
Loss: 4009.549140
Feature norm: 69.243776
Error norm: 21.198728
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1545 *****
Loss: 4009.535246
Feature norm: 69.243522
Error norm: 16.695823
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.789

***** Iteration #1546 *****
Loss: 4009.528505
Feature norm: 69.243499
Error norm: 21.320691
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1547 *****
Loss: 4009.514329
Feature norm: 69.243204
Error norm: 16.761582
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1548 *****
Loss: 4009.507486
Feature norm: 69.243229
Error norm: 21.312335
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1549 *****
Loss: 4009.493216
Feature norm: 69.242897
Error norm: 16.742358
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.821

***** Iteration #1550 *****
Loss: 4009.486627
Feature norm: 69.242843
Error norm: 21.350056
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.781

***** Iteration #1551 *****
Loss: 4009.472378
Feature norm: 69.242585
Error norm: 16.375610
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.789

***** Iteration #1552 *****
Loss: 4009.466246
Feature norm: 69.242616
Error norm: 21.089676
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.827

***** Iteration #1553 *****
Loss: 4009.452294
Feature norm: 69.242195

Error norm: 15.962469
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1554 *****
Loss: 4009.445655
Feature norm: 69.242397
Error norm: 20.197679
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1555 *****
Loss: 4009.433001
Feature norm: 69.241937
Error norm: 16.242984
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #1556 *****
Loss: 4009.425735
Feature norm: 69.242005
Error norm: 19.973850
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1557 *****
Loss: 4009.413860
Feature norm: 69.241744
Error norm: 16.827001
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1558 *****
Loss: 4009.406483
Feature norm: 69.242019
Error norm: 20.617529
Active features: 2946
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #1559 *****
Loss: 4009.393768
Feature norm: 69.241903
Error norm: 16.715734
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #1560 *****
Loss: 4009.386608
Feature norm: 69.241918
Error norm: 20.979122
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1561 *****
Loss: 4009.373339
Feature norm: 69.241800
Error norm: 16.308296
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.803

***** Iteration #1562 *****
Loss: 4009.366462
Feature norm: 69.242074
Error norm: 21.140307
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.803

***** Iteration #1563 *****
Loss: 4009.353035
Feature norm: 69.242009
Error norm: 16.179118
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1564 *****
Loss: 4009.346562
Feature norm: 69.242016
Error norm: 21.344634
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.816

***** Iteration #1565 *****
Loss: 4009.332761
Feature norm: 69.242041
Error norm: 15.986287
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.840

***** Iteration #1566 *****
Loss: 4009.326580
Feature norm: 69.242115
Error norm: 21.480261
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.821

***** Iteration #1567 *****
Loss: 4009.312577
Feature norm: 69.242137
Error norm: 15.832651
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.772

***** Iteration #1568 *****
Loss: 4009.306634
Feature norm: 69.242293
Error norm: 21.540216
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #1569 *****
Loss: 4009.292467
Feature norm: 69.242345

Error norm: 15.692804
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1570 *****
Loss: 4009.286739
Feature norm: 69.242559
Error norm: 21.544605
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.796

***** Iteration #1571 *****
Loss: 4009.272490
Feature norm: 69.242541
Error norm: 15.606441
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1572 *****
Loss: 4009.266966
Feature norm: 69.242756
Error norm: 21.583936
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.815

***** Iteration #1573 *****
Loss: 4009.252611
Feature norm: 69.242739
Error norm: 15.492718
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.810

***** Iteration #1574 *****
Loss: 4009.247216
Feature norm: 69.242879
Error norm: 21.544833
Active features: 2943
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.828

***** Iteration #1575 *****
Loss: 4009.232847
Feature norm: 69.242911
Error norm: 15.400956
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.837

***** Iteration #1576 *****
Loss: 4009.227558
Feature norm: 69.243097
Error norm: 21.522455
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.770

***** Iteration #1577 *****
Loss: 4009.213162
Feature norm: 69.243107
Error norm: 15.258215
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1578 *****
Loss: 4009.208095
Feature norm: 69.243162
Error norm: 21.588490
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1579 *****
Loss: 4009.193520
Feature norm: 69.243147
Error norm: 15.127292
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #1580 *****
Loss: 4009.188691
Feature norm: 69.243213
Error norm: 21.756058
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1581 *****
Loss: 4009.173660
Feature norm: 69.243391
Error norm: 14.918627
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1582 *****
Loss: 4009.169210
Feature norm: 69.243404
Error norm: 22.058442
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1583 *****
Loss: 4009.153747
Feature norm: 69.243383
Error norm: 14.882064
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1584 *****
Loss: 4009.149333
Feature norm: 69.243492
Error norm: 22.242059
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.893

***** Iteration #1585 *****
Loss: 4009.133809
Feature norm: 69.243702

Error norm: 14.954506
Active features: 2941
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.921

***** Iteration #1586 *****
Loss: 4009.129282
Feature norm: 69.243613
Error norm: 22.355988
Active features: 2941
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1587 *****
Loss: 4009.113769
Feature norm: 69.243759
Error norm: 14.814718
Active features: 2941
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1588 *****
Loss: 4009.109380
Feature norm: 69.243920
Error norm: 22.289182
Active features: 2941
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1589 *****
Loss: 4009.093956
Feature norm: 69.243993
Error norm: 14.546324
Active features: 2941
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.840

***** Iteration #1590 *****
Loss: 4009.089817
Feature norm: 69.244159
Error norm: 22.327906
Active features: 2943
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1591 *****
Loss: 4009.074393
Feature norm: 69.244041
Error norm: 14.225363
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1592 *****
Loss: 4009.070732
Feature norm: 69.244179
Error norm: 22.537987
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #1593 *****
Loss: 4009.054798
Feature norm: 69.244203
Error norm: 13.861258
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #1594 *****
Loss: 4009.051715
Feature norm: 69.244280
Error norm: 22.738939
Active features: 2939
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1595 *****
Loss: 4009.035506
Feature norm: 69.244291
Error norm: 13.765335
Active features: 2939
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #1596 *****
Loss: 4009.032609
Feature norm: 69.244314
Error norm: 22.809488
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.829

***** Iteration #1597 *****
Loss: 4009.016224
Feature norm: 69.244261
Error norm: 13.638110
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #1598 *****
Loss: 4009.013489
Feature norm: 69.244200
Error norm: 22.864183
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.851

***** Iteration #1599 *****
Loss: 4008.997012
Feature norm: 69.244199
Error norm: 13.645160
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1600 *****
Loss: 4008.994407
Feature norm: 69.244144
Error norm: 22.882116
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.816

***** Iteration #1601 *****
Loss: 4008.977796
Feature norm: 69.244024

Error norm: 13.573405
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1602 *****
Loss: 4008.975387
Feature norm: 69.244108
Error norm: 22.910238
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1603 *****
Loss: 4008.958671
Feature norm: 69.243918
Error norm: 13.500599
Active features: 2938
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.808

***** Iteration #1604 *****
Loss: 4008.956182
Feature norm: 69.243905
Error norm: 22.773581
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #1605 *****
Loss: 4008.939626
Feature norm: 69.243844
Error norm: 13.532719
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.907

***** Iteration #1606 *****
Loss: 4008.937218
Feature norm: 69.243773
Error norm: 22.827462
Active features: 2937
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.930

***** Iteration #1607 *****
Loss: 4008.920546
Feature norm: 69.243624
Error norm: 13.484584
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1608 *****
Loss: 4008.918245
Feature norm: 69.243746
Error norm: 22.811882
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.832

***** Iteration #1609 *****
Loss: 4008.901508
Feature norm: 69.243668
Error norm: 13.502004
Active features: 2936
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1610 *****
Loss: 4008.899148
Feature norm: 69.243610
Error norm: 22.870174
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1611 *****
Loss: 4008.882420
Feature norm: 69.243427
Error norm: 13.410290
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.920

***** Iteration #1612 *****
Loss: 4008.880171
Feature norm: 69.243441
Error norm: 22.952499
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1613 *****
Loss: 4008.863327
Feature norm: 69.243230
Error norm: 13.299571
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1614 *****
Loss: 4008.860948
Feature norm: 69.243302
Error norm: 22.869674
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1615 *****
Loss: 4008.844240
Feature norm: 69.242969
Error norm: 13.341825
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1616 *****
Loss: 4008.841994
Feature norm: 69.243136
Error norm: 23.024875
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1617 *****
Loss: 4008.824969
Feature norm: 69.242746

Error norm: 13.240808
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1618 *****
Loss: 4008.822897
Feature norm: 69.242861
Error norm: 23.106052
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1619 *****
Loss: 4008.805645
Feature norm: 69.242343
Error norm: 13.186073
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #1620 *****
Loss: 4008.803553
Feature norm: 69.242243
Error norm: 23.212948
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.826

***** Iteration #1621 *****
Loss: 4008.786279
Feature norm: 69.241807
Error norm: 13.120602
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1622 *****
Loss: 4008.784303
Feature norm: 69.241569
Error norm: 23.211470
Active features: 2937
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.818

***** Iteration #1623 *****
Loss: 4008.767041
Feature norm: 69.240894
Error norm: 13.005313
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.870

***** Iteration #1624 *****
Loss: 4008.765280
Feature norm: 69.241120
Error norm: 23.226484
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.798

***** Iteration #1625 *****
Loss: 4008.747930
Feature norm: 69.240960
Error norm: 12.806890
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.791

***** Iteration #1626 *****
Loss: 4008.746340
Feature norm: 69.241052
Error norm: 23.304877
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.831

***** Iteration #1627 *****
Loss: 4008.728898
Feature norm: 69.240710
Error norm: 12.754010
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.814

***** Iteration #1628 *****
Loss: 4008.727413
Feature norm: 69.240734
Error norm: 23.464219
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1629 *****
Loss: 4008.709868
Feature norm: 69.240374
Error norm: 12.666502
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #1630 *****
Loss: 4008.708478
Feature norm: 69.240285
Error norm: 23.516519
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1631 *****
Loss: 4008.690863
Feature norm: 69.239892
Error norm: 12.435003
Active features: 2934
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1632 *****
Loss: 4008.689747
Feature norm: 69.239871
Error norm: 23.573684
Active features: 2935
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1633 *****
Loss: 4008.672066
Feature norm: 69.239409

Error norm: 12.279710
Active features: 2935
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.858

***** Iteration #1634 *****
Loss: 4008.671219
Feature norm: 69.239554
Error norm: 23.695028
Active features: 2935
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.811

***** Iteration #1635 *****
Loss: 4008.653343
Feature norm: 69.239138
Error norm: 12.123958
Active features: 2935
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1636 *****
Loss: 4008.652794
Feature norm: 69.239308
Error norm: 23.846059
Active features: 2934
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #1637 *****
Loss: 4008.634611
Feature norm: 69.238851
Error norm: 12.057157
Active features: 2934
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1638 *****
Loss: 4008.634227
Feature norm: 69.238833
Error norm: 24.008071
Active features: 2937
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #1639 *****
Loss: 4008.615895
Feature norm: 69.238565
Error norm: 12.000615
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.838

***** Iteration #1640 *****
Loss: 4008.615648
Feature norm: 69.238597
Error norm: 24.108728
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.800

***** Iteration #1641 *****
Loss: 4008.597207
Feature norm: 69.238242
Error norm: 11.983441
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1642 *****
Loss: 4008.597060
Feature norm: 69.238172
Error norm: 24.181231
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #1643 *****
Loss: 4008.578502
Feature norm: 69.237919
Error norm: 11.917953
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.937

***** Iteration #1644 *****
Loss: 4008.578480
Feature norm: 69.237862
Error norm: 24.219951
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.911

***** Iteration #1645 *****
Loss: 4008.559845
Feature norm: 69.237467
Error norm: 11.794293
Active features: 2937
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.914

***** Iteration #1646 *****
Loss: 4008.553605
Feature norm: 69.237441
Error norm: 9.048034
Active features: 2937
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.194

***** Iteration #1647 *****
Loss: 4008.549837
Feature norm: 69.237262
Error norm: 11.465471
Active features: 2937
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.257

***** Iteration #1648 *****
Loss: 4008.543809
Feature norm: 69.236949
Error norm: 9.117388
Active features: 2941
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.221

***** Iteration #1649 *****
Loss: 4008.538379
Feature norm: 69.236965

Error norm: 10.208783
Active features: 2940
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.212

***** Iteration #1650 *****
Loss: 4008.532610
Feature norm: 69.236362
Error norm: 21.098409
Active features: 2940
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #1651 *****
Loss: 4008.514135
Feature norm: 69.236498
Error norm: 17.687553
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.778

***** Iteration #1652 *****
Loss: 4008.502282
Feature norm: 69.235880
Error norm: 10.093123
Active features: 2943
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.334

***** Iteration #1653 *****
Loss: 4008.499717
Feature norm: 69.236107
Error norm: 18.287671
Active features: 2943
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.364

***** Iteration #1654 *****
Loss: 4008.487395
Feature norm: 69.235395
Error norm: 12.525085
Active features: 2945
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.304

***** Iteration #1655 *****
Loss: 4008.477096
Feature norm: 69.235198
Error norm: 27.280807
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1656 *****
Loss: 4008.450377
Feature norm: 69.234695
Error norm: 21.190804
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1657 *****
Loss: 4008.436882
Feature norm: 69.234444
Error norm: 14.430068
Active features: 2958
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.245

***** Iteration #1658 *****
Loss: 4008.432861
Feature norm: 69.234357
Error norm: 21.784397
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.162

***** Iteration #1659 *****
Loss: 4008.418529
Feature norm: 69.233976
Error norm: 14.725647
Active features: 2956
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.315

***** Iteration #1660 *****
Loss: 4008.413193
Feature norm: 69.233959
Error norm: 19.828286
Active features: 2953
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.392

***** Iteration #1661 *****
Loss: 4008.400489
Feature norm: 69.233609
Error norm: 14.041062
Active features: 2952
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.266

***** Iteration #1662 *****
Loss: 4008.392209
Feature norm: 69.233322
Error norm: 9.529692
Active features: 2957
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.289

***** Iteration #1663 *****
Loss: 4008.387644
Feature norm: 69.233426
Error norm: 10.081344
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.171

***** Iteration #1664 *****
Loss: 4008.383004
Feature norm: 69.233205
Error norm: 10.464888
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.242

***** Iteration #1665 *****
Loss: 4008.377384
Feature norm: 69.233307

Error norm: 9.804801
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.211

***** Iteration #1666 *****
Loss: 4008.373032
Feature norm: 69.233138
Error norm: 11.248878
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.250

***** Iteration #1667 *****
Loss: 4008.366902
Feature norm: 69.233075
Error norm: 9.777964
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.243

***** Iteration #1668 *****
Loss: 4008.361995
Feature norm: 69.232809
Error norm: 11.401487
Active features: 2955
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.304

***** Iteration #1669 *****
Loss: 4008.356398
Feature norm: 69.232714
Error norm: 10.565103
Active features: 2949
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.316

***** Iteration #1670 *****
Loss: 4008.351329
Feature norm: 69.232593
Error norm: 11.235653
Active features: 2949
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.310

***** Iteration #1671 *****
Loss: 4008.345863
Feature norm: 69.232641
Error norm: 10.541455
Active features: 2951
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.289

***** Iteration #1672 *****
Loss: 4008.340823
Feature norm: 69.232545
Error norm: 10.898149
Active features: 2951
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.243

***** Iteration #1673 *****
Loss: 4008.335655
Feature norm: 69.232587
Error norm: 10.643054
Active features: 2951
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.253

***** Iteration #1674 *****
Loss: 4008.330166
Feature norm: 69.232657
Error norm: 10.008376
Active features: 2951
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.232

***** Iteration #1675 *****
Loss: 4008.325789
Feature norm: 69.232727
Error norm: 11.016794
Active features: 2947
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.273

***** Iteration #1676 *****
Loss: 4008.320257
Feature norm: 69.232643
Error norm: 9.990837
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.269

***** Iteration #1677 *****
Loss: 4008.315991
Feature norm: 69.232654
Error norm: 11.074530
Active features: 2943
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.292

***** Iteration #1678 *****
Loss: 4008.310544
Feature norm: 69.232756
Error norm: 9.809270
Active features: 2943
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.107

***** Iteration #1679 *****
Loss: 4008.305451
Feature norm: 69.232628
Error norm: 35.200551
Active features: 2943
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.452

***** Iteration #1680 *****
Loss: 4008.266385
Feature norm: 69.233455
Error norm: 24.220887
Active features: 2949
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.449

***** Iteration #1681 *****
Loss: 4008.264835
Feature norm: 69.233892

Error norm: 34.678643
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1682 *****
Loss: 4008.246755
Feature norm: 69.234241
Error norm: 34.227779
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1683 *****
Loss: 4008.230756
Feature norm: 69.233867
Error norm: 36.077378
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.772

***** Iteration #1684 *****
Loss: 4008.208282
Feature norm: 69.234126
Error norm: 32.286456
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1685 *****
Loss: 4008.191819
Feature norm: 69.234296
Error norm: 33.662610
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.902

***** Iteration #1686 *****
Loss: 4008.158523
Feature norm: 69.234493
Error norm: 9.158147
Active features: 2950
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.805

***** Iteration #1687 *****
Loss: 4008.130245
Feature norm: 69.235115
Error norm: 15.861768
Active features: 2949
Line search trials: 1
Line search step: 1.000000
Seconds required for this iteration: 0.442

***** Iteration #1688 *****
Loss: 4008.127904
Feature norm: 69.236000
Error norm: 24.078579
Active features: 2961
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.268

***** Iteration #1689 *****
Loss: 4008.107604
Feature norm: 69.236187
Error norm: 13.238531
Active features: 2969
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.624

***** Iteration #1690 *****
Loss: 4008.102497
Feature norm: 69.236464
Error norm: 9.530663
Active features: 2978
Line search trials: 5
Line search step: 0.062500
Seconds required for this iteration: 2.119

***** Iteration #1691 *****
Loss: 4008.096509
Feature norm: 69.236717
Error norm: 18.472722
Active features: 2977
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.651

***** Iteration #1692 *****
Loss: 4008.086624
Feature norm: 69.237238
Error norm: 15.842025
Active features: 2975
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.634

***** Iteration #1693 *****
Loss: 4008.078583
Feature norm: 69.237397
Error norm: 15.502915
Active features: 2981
Line search trials: 4
Line search step: 0.125000
Seconds required for this iteration: 1.731

***** Iteration #1694 *****
Loss: 4008.076366
Feature norm: 69.238192
Error norm: 23.530792
Active features: 2970
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #1695 *****
Loss: 4008.057701
Feature norm: 69.238443
Error norm: 14.340342
Active features: 2965
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.932

***** Iteration #1696 *****
Loss: 4008.049895
Feature norm: 69.238803
Error norm: 8.419044
Active features: 2964
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.253

***** Iteration #1697 *****
Loss: 4008.041794
Feature norm: 69.239146

Error norm: 17.521141
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #1698 *****
Loss: 4008.035557
Feature norm: 69.239754
Error norm: 22.883331
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.802

***** Iteration #1699 *****
Loss: 4008.023938
Feature norm: 69.239910
Error norm: 22.717022
Active features: 2957
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1700 *****
Loss: 4008.014603
Feature norm: 69.240509
Error norm: 24.087650
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1701 *****
Loss: 4008.000821
Feature norm: 69.240702
Error norm: 19.686328
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.931

***** Iteration #1702 *****
Loss: 4007.994624
Feature norm: 69.241025
Error norm: 23.701159
Active features: 2960
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1703 *****
Loss: 4007.979909
Feature norm: 69.241164
Error norm: 15.130552
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.817

***** Iteration #1704 *****
Loss: 4007.973290
Feature norm: 69.241363
Error norm: 17.159331
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #1705 *****
Loss: 4007.964795
Feature norm: 69.241442
Error norm: 14.089870
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.830

***** Iteration #1706 *****
Loss: 4007.959691
Feature norm: 69.241611
Error norm: 19.020771
Active features: 2960
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.826

***** Iteration #1707 *****
Loss: 4007.949755
Feature norm: 69.241637
Error norm: 14.685657
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1708 *****
Loss: 4007.944161
Feature norm: 69.241718
Error norm: 20.066252
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1709 *****
Loss: 4007.932823
Feature norm: 69.241757
Error norm: 15.345045
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.813

***** Iteration #1710 *****
Loss: 4007.926377
Feature norm: 69.241912
Error norm: 20.345027
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1711 *****
Loss: 4007.914283
Feature norm: 69.241844
Error norm: 15.442904
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.944

***** Iteration #1712 *****
Loss: 4007.907548
Feature norm: 69.241860
Error norm: 19.595865
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1713 *****
Loss: 4007.895821
Feature norm: 69.241830

Error norm: 15.459270
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.808

***** Iteration #1714 *****
Loss: 4007.888794
Feature norm: 69.241923
Error norm: 19.283633
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.780

***** Iteration #1715 *****
Loss: 4007.877479
Feature norm: 69.241706
Error norm: 16.515961
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1716 *****
Loss: 4007.869496
Feature norm: 69.241617
Error norm: 19.055255
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.854

***** Iteration #1717 *****
Loss: 4007.858338
Feature norm: 69.241465
Error norm: 16.820905
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1718 *****
Loss: 4007.850090
Feature norm: 69.241132
Error norm: 18.332949
Active features: 2962
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #1719 *****
Loss: 4007.839511
Feature norm: 69.240972
Error norm: 16.877132
Active features: 2961
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1720 *****
Loss: 4007.830841
Feature norm: 69.240852
Error norm: 17.027570
Active features: 2957
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1721 *****
Loss: 4007.821656
Feature norm: 69.240505
Error norm: 17.215583
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1722 *****
Loss: 4007.813080
Feature norm: 69.240298
Error norm: 16.861870
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1723 *****
Loss: 4007.804252
Feature norm: 69.239844
Error norm: 17.419854
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1724 *****
Loss: 4007.795344
Feature norm: 69.239884
Error norm: 15.901033
Active features: 2963
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.888

***** Iteration #1725 *****
Loss: 4007.787662
Feature norm: 69.239811
Error norm: 17.792248
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.825

***** Iteration #1726 *****
Loss: 4007.778439
Feature norm: 69.239662
Error norm: 15.956593
Active features: 2962
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #1727 *****
Loss: 4007.770909
Feature norm: 69.239525
Error norm: 18.204694
Active features: 2959
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1728 *****
Loss: 4007.761291
Feature norm: 69.239461
Error norm: 15.828271
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.872

***** Iteration #1729 *****
Loss: 4007.754056
Feature norm: 69.239342

Error norm: 18.415753
Active features: 2958
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1730 *****
Loss: 4007.744261
Feature norm: 69.239334
Error norm: 15.851983
Active features: 2957
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1731 *****
Loss: 4007.736893
Feature norm: 69.239031
Error norm: 18.381849
Active features: 2957
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.852

***** Iteration #1732 *****
Loss: 4007.727252
Feature norm: 69.238945
Error norm: 16.021929
Active features: 2956
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1733 *****
Loss: 4007.719822
Feature norm: 69.238775
Error norm: 18.233491
Active features: 2956
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1734 *****
Loss: 4007.710210
Feature norm: 69.238732
Error norm: 16.077557
Active features: 2955
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.802

***** Iteration #1735 *****
Loss: 4007.702807
Feature norm: 69.238523
Error norm: 18.134360
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #1736 *****
Loss: 4007.693195
Feature norm: 69.238505
Error norm: 16.083233
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #1737 *****
Loss: 4007.685892
Feature norm: 69.238496
Error norm: 18.113146
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1738 *****
Loss: 4007.676201
Feature norm: 69.238367
Error norm: 16.044348
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1739 *****
Loss: 4007.669043
Feature norm: 69.238221
Error norm: 18.148208
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.859

***** Iteration #1740 *****
Loss: 4007.659218
Feature norm: 69.238116
Error norm: 16.029441
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.884

***** Iteration #1741 *****
Loss: 4007.652179
Feature norm: 69.238115
Error norm: 18.224134
Active features: 2955
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.947

***** Iteration #1742 *****
Loss: 4007.642150
Feature norm: 69.237824
Error norm: 15.909600
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.874

***** Iteration #1743 *****
Loss: 4007.635164
Feature norm: 69.237797
Error norm: 18.150224
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1744 *****
Loss: 4007.625314
Feature norm: 69.237625
Error norm: 15.943357
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1745 *****
Loss: 4007.618586
Feature norm: 69.237577

Error norm: 18.333703
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1746 *****
Loss: 4007.608487
Feature norm: 69.237645
Error norm: 15.874463
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.867

***** Iteration #1747 *****
Loss: 4007.601864
Feature norm: 69.237523
Error norm: 18.301807
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.938

***** Iteration #1748 *****
Loss: 4007.591762
Feature norm: 69.237528
Error norm: 15.906045
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1749 *****
Loss: 4007.585109
Feature norm: 69.237470
Error norm: 18.213906
Active features: 2954
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1750 *****
Loss: 4007.575087
Feature norm: 69.237589
Error norm: 15.904956
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.892

***** Iteration #1751 *****
Loss: 4007.568431
Feature norm: 69.237423
Error norm: 18.141993
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.828

***** Iteration #1752 *****
Loss: 4007.558510
Feature norm: 69.237524
Error norm: 15.967409
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1753 *****
Loss: 4007.551724
Feature norm: 69.237289
Error norm: 17.974299
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1754 *****
Loss: 4007.541873
Feature norm: 69.237406
Error norm: 15.988746
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.818

***** Iteration #1755 *****
Loss: 4007.535121
Feature norm: 69.237242
Error norm: 17.945793
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.805

***** Iteration #1756 *****
Loss: 4007.525410
Feature norm: 69.237193
Error norm: 16.128451
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #1757 *****
Loss: 4007.518420
Feature norm: 69.237174
Error norm: 17.830556
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.809

***** Iteration #1758 *****
Loss: 4007.508896
Feature norm: 69.237047
Error norm: 16.175149
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.824

***** Iteration #1759 *****
Loss: 4007.501755
Feature norm: 69.236993
Error norm: 17.711158
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1760 *****
Loss: 4007.492338
Feature norm: 69.237041
Error norm: 16.193191
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.865

***** Iteration #1761 *****
Loss: 4007.485083
Feature norm: 69.237067

Error norm: 17.561993
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #1762 *****
Loss: 4007.475913
Feature norm: 69.236845
Error norm: 16.350441
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.807

***** Iteration #1763 *****
Loss: 4007.468646
Feature norm: 69.237087
Error norm: 17.647747
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1764 *****
Loss: 4007.459322
Feature norm: 69.236712
Error norm: 16.238738
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1765 *****
Loss: 4007.452185
Feature norm: 69.237070
Error norm: 17.735495
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1766 *****
Loss: 4007.442749
Feature norm: 69.236686
Error norm: 16.115362
Active features: 2951
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.849

***** Iteration #1767 *****
Loss: 4007.435704
Feature norm: 69.236740
Error norm: 17.760729
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #1768 *****
Loss: 4007.426181
Feature norm: 69.236614
Error norm: 15.982180
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1769 *****
Loss: 4007.419283
Feature norm: 69.236601
Error norm: 17.814269
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #1770 *****
Loss: 4007.409648
Feature norm: 69.236361
Error norm: 15.935195
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.790

***** Iteration #1771 *****
Loss: 4007.402770
Feature norm: 69.236339
Error norm: 17.892007
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1772 *****
Loss: 4007.393064
Feature norm: 69.236202
Error norm: 15.933818
Active features: 2951
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.850

***** Iteration #1773 *****
Loss: 4007.386195
Feature norm: 69.236132
Error norm: 17.983239
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1774 *****
Loss: 4007.376326
Feature norm: 69.235896
Error norm: 15.844352
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #1775 *****
Loss: 4007.369547
Feature norm: 69.235913
Error norm: 18.131224
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1776 *****
Loss: 4007.359524
Feature norm: 69.235666
Error norm: 15.799191
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1777 *****
Loss: 4007.352733
Feature norm: 69.235644

Error norm: 18.147553
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.898

***** Iteration #1778 *****
Loss: 4007.342701
Feature norm: 69.235152
Error norm: 15.684743
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1779 *****
Loss: 4007.336066
Feature norm: 69.235170
Error norm: 18.266863
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.843

***** Iteration #1780 *****
Loss: 4007.325906
Feature norm: 69.235070
Error norm: 15.382940
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1781 *****
Loss: 4007.319576
Feature norm: 69.235167
Error norm: 18.295308
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.787

***** Iteration #1782 *****
Loss: 4007.309371
Feature norm: 69.234879
Error norm: 15.380486
Active features: 2950
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.858

***** Iteration #1783 *****
Loss: 4007.303111
Feature norm: 69.235088
Error norm: 18.467677
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.863

***** Iteration #1784 *****
Loss: 4007.292704
Feature norm: 69.234785
Error norm: 15.265250
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1785 *****
Loss: 4007.286523
Feature norm: 69.235103
Error norm: 18.512910
Active features: 2950
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1786 *****
Loss: 4007.275965
Feature norm: 69.234881
Error norm: 15.275446
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1787 *****
Loss: 4007.269872
Feature norm: 69.235329
Error norm: 18.517994
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1788 *****
Loss: 4007.259284
Feature norm: 69.234912
Error norm: 15.266428
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.845

***** Iteration #1789 *****
Loss: 4007.253210
Feature norm: 69.235230
Error norm: 18.440320
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1790 *****
Loss: 4007.242687
Feature norm: 69.234912
Error norm: 15.289911
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.831

***** Iteration #1791 *****
Loss: 4007.236566
Feature norm: 69.235105
Error norm: 18.264450
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #1792 *****
Loss: 4007.226221
Feature norm: 69.234801
Error norm: 15.293097
Active features: 2948
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1793 *****
Loss: 4007.220056
Feature norm: 69.234965

Error norm: 18.165932
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #1794 *****
Loss: 4007.209807
Feature norm: 69.234497
Error norm: 15.304647
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1795 *****
Loss: 4007.203694
Feature norm: 69.234543
Error norm: 18.250927
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.906

***** Iteration #1796 *****
Loss: 4007.193400
Feature norm: 69.233965
Error norm: 15.299499
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1797 *****
Loss: 4007.187316
Feature norm: 69.233957
Error norm: 18.340508
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.796

***** Iteration #1798 *****
Loss: 4007.176998
Feature norm: 69.233336
Error norm: 15.241200
Active features: 2945
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1799 *****
Loss: 4007.170977
Feature norm: 69.233265
Error norm: 18.344702
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.785

***** Iteration #1800 *****
Loss: 4007.160606
Feature norm: 69.232737
Error norm: 15.108683
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1801 *****
Loss: 4007.154636
Feature norm: 69.232730
Error norm: 18.279926
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.864

***** Iteration #1802 *****
Loss: 4007.144398
Feature norm: 69.231989
Error norm: 15.124691
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1803 *****
Loss: 4007.138516
Feature norm: 69.232145
Error norm: 18.382567
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.886

***** Iteration #1804 *****
Loss: 4007.128117
Feature norm: 69.231609
Error norm: 15.010033
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1805 *****
Loss: 4007.122443
Feature norm: 69.231751
Error norm: 18.508792
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.816

***** Iteration #1806 *****
Loss: 4007.111817
Feature norm: 69.231008
Error norm: 14.875466
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1807 *****
Loss: 4007.106346
Feature norm: 69.231137
Error norm: 18.674153
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.812

***** Iteration #1808 *****
Loss: 4007.095525
Feature norm: 69.230375
Error norm: 14.713886
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.887

***** Iteration #1809 *****
Loss: 4007.090200
Feature norm: 69.230753

Error norm: 18.746510
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1810 *****
Loss: 4007.079287
Feature norm: 69.230007
Error norm: 14.668090
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #1811 *****
Loss: 4007.074134
Feature norm: 69.230046
Error norm: 18.903663
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.909

***** Iteration #1812 *****
Loss: 4007.063034
Feature norm: 69.229244
Error norm: 14.511986
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1813 *****
Loss: 4007.058103
Feature norm: 69.229375
Error norm: 18.982029
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1814 *****
Loss: 4007.046835
Feature norm: 69.228831
Error norm: 14.355745
Active features: 2945
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1815 *****
Loss: 4007.042111
Feature norm: 69.228961
Error norm: 19.010563
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.873

***** Iteration #1816 *****
Loss: 4007.030706
Feature norm: 69.228328
Error norm: 14.260555
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.815

***** Iteration #1817 *****
Loss: 4007.026121
Feature norm: 69.228307
Error norm: 19.012404
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.844

***** Iteration #1818 *****
Loss: 4007.014730
Feature norm: 69.227881
Error norm: 14.286628
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.860

***** Iteration #1819 *****
Loss: 4007.010119
Feature norm: 69.227665
Error norm: 19.009791
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.824

***** Iteration #1820 *****
Loss: 4006.998765
Feature norm: 69.227281
Error norm: 14.289626
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1821 *****
Loss: 4006.994217
Feature norm: 69.226909
Error norm: 19.017536
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1822 *****
Loss: 4006.982832
Feature norm: 69.226548
Error norm: 14.244670
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.881

***** Iteration #1823 *****
Loss: 4006.978331
Feature norm: 69.226339
Error norm: 19.044934
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.910

***** Iteration #1824 *****
Loss: 4006.966914
Feature norm: 69.225835
Error norm: 14.144040
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.877

***** Iteration #1825 *****
Loss: 4006.962516
Feature norm: 69.225650

Error norm: 19.081696
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.835

***** Iteration #1826 *****
Loss: 4006.951014
Feature norm: 69.225282
Error norm: 14.016629
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 1.051

***** Iteration #1827 *****
Loss: 4006.946727
Feature norm: 69.224935
Error norm: 19.104896
Active features: 2945
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.876

***** Iteration #1828 *****
Loss: 4006.935104
Feature norm: 69.224536
Error norm: 13.924806
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.882

***** Iteration #1829 *****
Loss: 4006.930929
Feature norm: 69.224495
Error norm: 19.233598
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.889

***** Iteration #1830 *****
Loss: 4006.919248
Feature norm: 69.223808
Error norm: 13.884444
Active features: 2946
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1831 *****
Loss: 4006.915120
Feature norm: 69.223781
Error norm: 19.310945
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.848

***** Iteration #1832 *****
Loss: 4006.903315
Feature norm: 69.223320
Error norm: 13.792702
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1833 *****
Loss: 4006.898980
Feature norm: 69.223388
Error norm: 19.241257
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1834 *****
Loss: 4006.887392
Feature norm: 69.222859
Error norm: 13.948209
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.944

***** Iteration #1835 *****
Loss: 4006.883138
Feature norm: 69.222905
Error norm: 19.424264
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.866

***** Iteration #1836 *****
Loss: 4006.871269
Feature norm: 69.222264
Error norm: 13.854479
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1837 *****
Loss: 4006.867166
Feature norm: 69.222214
Error norm: 19.662543
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.869

***** Iteration #1838 *****
Loss: 4006.855036
Feature norm: 69.221731
Error norm: 13.708648
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1839 *****
Loss: 4006.851135
Feature norm: 69.221616
Error norm: 19.784002
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.925

***** Iteration #1840 *****
Loss: 4006.838790
Feature norm: 69.220993
Error norm: 13.402433
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.836

***** Iteration #1841 *****
Loss: 4006.835203
Feature norm: 69.220790

Error norm: 19.939456
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.828

***** Iteration #1842 *****
Loss: 4006.822645
Feature norm: 69.220199
Error norm: 13.226286
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1843 *****
Loss: 4006.819302
Feature norm: 69.220024
Error norm: 20.060349
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.933

***** Iteration #1844 *****
Loss: 4006.806552
Feature norm: 69.219436
Error norm: 13.123513
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.896

***** Iteration #1845 *****
Loss: 4006.803367
Feature norm: 69.219137
Error norm: 20.163045
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1846 *****
Loss: 4006.790508
Feature norm: 69.218410
Error norm: 13.051868
Active features: 2946
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #1847 *****
Loss: 4006.787436
Feature norm: 69.217926
Error norm: 20.211943
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.879

***** Iteration #1848 *****
Loss: 4006.774431
Feature norm: 69.217544
Error norm: 12.953689
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1849 *****
Loss: 4006.771542
Feature norm: 69.217275
Error norm: 20.284375
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.924

***** Iteration #1850 *****
Loss: 4006.758467
Feature norm: 69.216959
Error norm: 12.944945
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.959

***** Iteration #1851 *****
Loss: 4006.755634
Feature norm: 69.216754
Error norm: 20.302497
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1852 *****
Loss: 4006.742477
Feature norm: 69.216209
Error norm: 12.907858
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.856

***** Iteration #1853 *****
Loss: 4006.739735
Feature norm: 69.216145
Error norm: 20.413115
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.847

***** Iteration #1854 *****
Loss: 4006.726430
Feature norm: 69.215723
Error norm: 12.862813
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.846

***** Iteration #1855 *****
Loss: 4006.723686
Feature norm: 69.215644
Error norm: 20.410560
Active features: 2944
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.853

***** Iteration #1856 *****
Loss: 4006.710391
Feature norm: 69.215452
Error norm: 12.836815
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.838

***** Iteration #1857 *****
Loss: 4006.707768
Feature norm: 69.215392

Error norm: 20.467637
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.946

***** Iteration #1858 *****
Loss: 4006.694382
Feature norm: 69.215005
Error norm: 12.759713
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.917

***** Iteration #1859 *****
Loss: 4006.691864
Feature norm: 69.214879
Error norm: 20.403418
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.899

***** Iteration #1860 *****
Loss: 4006.678511
Feature norm: 69.214558
Error norm: 12.611907
Active features: 2947
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.919

***** Iteration #1861 *****
Loss: 4006.676157
Feature norm: 69.214521
Error norm: 20.337316
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.880

***** Iteration #1862 *****
Loss: 4006.662835
Feature norm: 69.214132
Error norm: 12.518795
Active features: 2946
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.894

***** Iteration #1863 *****
Loss: 4006.660447
Feature norm: 69.214080
Error norm: 20.323412
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.972

***** Iteration #1864 *****
Loss: 4006.647170
Feature norm: 69.213620
Error norm: 12.435251
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.942

***** Iteration #1865 *****
Loss: 4006.645070
Feature norm: 69.213527
Error norm: 20.537174
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.857

***** Iteration #1866 *****
Loss: 4006.631575
Feature norm: 69.213098
Error norm: 12.372159
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.891

***** Iteration #1867 *****
Loss: 4006.629550
Feature norm: 69.213101
Error norm: 20.497276
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 1.038

***** Iteration #1868 *****
Loss: 4006.615949
Feature norm: 69.212608
Error norm: 12.254239
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.956

***** Iteration #1869 *****
Loss: 4006.614104
Feature norm: 69.212679
Error norm: 20.578209
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.820

***** Iteration #1870 *****
Loss: 4006.600438
Feature norm: 69.212310
Error norm: 12.131888
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.826

***** Iteration #1871 *****
Loss: 4006.598704
Feature norm: 69.212290
Error norm: 20.607834
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.890

***** Iteration #1872 *****
Loss: 4006.585034
Feature norm: 69.211925
Error norm: 12.107201
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.903

***** Iteration #1873 *****
Loss: 4006.583411
Feature norm: 69.211751

Error norm: 20.763007
Active features: 2946
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.904

***** Iteration #1874 *****
Loss: 4006.569530
Feature norm: 69.211460
Error norm: 11.998532
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.908

***** Iteration #1875 *****
Loss: 4006.568051
Feature norm: 69.211318
Error norm: 20.816086
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #1876 *****
Loss: 4006.554139
Feature norm: 69.210925
Error norm: 11.995375
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.895

***** Iteration #1877 *****
Loss: 4006.552622
Feature norm: 69.211010
Error norm: 20.778645
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.839

***** Iteration #1878 *****
Loss: 4006.538739
Feature norm: 69.210436
Error norm: 11.945995
Active features: 2943
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.941

***** Iteration #1879 *****
Loss: 4006.537252
Feature norm: 69.210485
Error norm: 20.780105
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.837

***** Iteration #1880 *****
Loss: 4006.523342
Feature norm: 69.209889
Error norm: 11.879861
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1881 *****
Loss: 4006.521955
Feature norm: 69.209994
Error norm: 20.844226
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.803

***** Iteration #1882 *****
Loss: 4006.507910
Feature norm: 69.209443
Error norm: 11.724285
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.875

***** Iteration #1883 *****
Loss: 4006.506728
Feature norm: 69.209517
Error norm: 21.025456
Active features: 2943
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.897

***** Iteration #1884 *****
Loss: 4006.492543
Feature norm: 69.208926
Error norm: 11.608726
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.871

***** Iteration #1885 *****
Loss: 4006.491517
Feature norm: 69.208994
Error norm: 21.182879
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.883

***** Iteration #1886 *****
Loss: 4006.477128
Feature norm: 69.208473
Error norm: 11.458799
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.915

***** Iteration #1887 *****
Loss: 4006.476324
Feature norm: 69.208516
Error norm: 21.330999
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.858

***** Iteration #1888 *****
Loss: 4006.461763
Feature norm: 69.208047
Error norm: 11.345838
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.960

***** Iteration #1889 *****
Loss: 4006.461104
Feature norm: 69.208115

Error norm: 21.391520
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.953

***** Iteration #1890 *****
Loss: 4006.446437
Feature norm: 69.207577
Error norm: 11.248230
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1891 *****
Loss: 4006.445890
Feature norm: 69.207517
Error norm: 21.454851
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.922

***** Iteration #1892 *****
Loss: 4006.431175
Feature norm: 69.207007
Error norm: 11.144089
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.905

***** Iteration #1893 *****
Loss: 4006.430714
Feature norm: 69.207073
Error norm: 21.489945
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.862

***** Iteration #1894 *****
Loss: 4006.415941
Feature norm: 69.206556
Error norm: 11.095084
Active features: 2942
Line search trials: 2

Line search step: 0.500000
Seconds required for this iteration: 0.833

***** Iteration #1895 *****
Loss: 4006.415554
Feature norm: 69.206587
Error norm: 21.582490
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.841

***** Iteration #1896 *****
Loss: 4006.400649
Feature norm: 69.206120
Error norm: 10.963908
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.912

***** Iteration #1897 *****
Loss: 4006.400459
Feature norm: 69.206226
Error norm: 21.736548
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.818

***** Iteration #1898 *****
Loss: 4006.385334
Feature norm: 69.205665
Error norm: 10.825800
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.878

***** Iteration #1899 *****
Loss: 4006.385328
Feature norm: 69.205767
Error norm: 21.877698
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.855

***** Iteration #1900 *****
Loss: 4006.370003
Feature norm: 69.205114
Error norm: 10.716160
Active features: 2942
Line search trials: 2
Line search step: 0.500000
Seconds required for this iteration: 0.811

***** Iteration #1901 *****
Loss: 4006.364880
Feature norm: 69.205097
Error norm: 8.272758
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.319

***** Iteration #1902 *****
Loss: 4006.361745
Feature norm: 69.204866
Error norm: 10.328355
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.307

***** Iteration #1903 *****
Loss: 4006.356812
Feature norm: 69.204684
Error norm: 8.468345
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.367

***** Iteration #1904 *****
Loss: 4006.353336
Feature norm: 69.204635
Error norm: 10.441796
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.298

***** Iteration #1905 *****
Loss: 4006.348430
Feature norm: 69.204237

Error norm: 8.921135
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.317

***** Iteration #1906 *****
Loss: 4006.344422
Feature norm: 69.204076
Error norm: 10.166944
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.303

***** Iteration #1907 *****
Loss: 4006.339747
Feature norm: 69.203605
Error norm: 9.287196
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.282

***** Iteration #1908 *****
Loss: 4006.335293
Feature norm: 69.203383
Error norm: 9.742080
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.277

***** Iteration #1909 *****
Loss: 4006.331022
Feature norm: 69.202950
Error norm: 9.382754
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.310

***** Iteration #1910 *****
Loss: 4006.326444
Feature norm: 69.202676
Error norm: 9.434837
Active features: 2946
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.269

***** Iteration #1911 *****
Loss: 4006.322199
Feature norm: 69.202176
Error norm: 9.417910
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.305

***** Iteration #1912 *****
Loss: 4006.317957
Feature norm: 69.202289
Error norm: 9.884202
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.358

***** Iteration #1913 *****
Loss: 4006.313515
Feature norm: 69.201786
Error norm: 9.239302
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.303

***** Iteration #1914 *****
Loss: 4006.309408
Feature norm: 69.201775
Error norm: 9.900609
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.242

***** Iteration #1915 *****
Loss: 4006.304993
Feature norm: 69.201313
Error norm: 8.956617
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.327

***** Iteration #1916 *****
Loss: 4006.301066
Feature norm: 69.201290
Error norm: 9.865831
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.351

***** Iteration #1917 *****
Loss: 4006.296308
Feature norm: 69.200697
Error norm: 8.265106
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.323

***** Iteration #1918 *****
Loss: 4006.292503
Feature norm: 69.200834
Error norm: 9.767060
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.318

***** Iteration #1919 *****
Loss: 4006.288138
Feature norm: 69.200490
Error norm: 8.961183
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.302

***** Iteration #1920 *****
Loss: 4006.284186
Feature norm: 69.200551
Error norm: 10.211683
Active features: 2946
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.316

***** Iteration #1921 *****
Loss: 4006.279452
Feature norm: 69.200144

Error norm: 8.915590
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.283

***** Iteration #1922 *****
Loss: 4006.275599
Feature norm: 69.200316
Error norm: 10.404625
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.330

***** Iteration #1923 *****
Loss: 4006.270845
Feature norm: 69.199706
Error norm: 8.900039
Active features: 2945
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.311

***** Iteration #1924 *****
Loss: 4006.266948
Feature norm: 69.199974
Error norm: 10.032939
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.262

***** Iteration #1925 *****
Loss: 4006.262437
Feature norm: 69.199452
Error norm: 8.420809
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.298

***** Iteration #1926 *****
Loss: 4006.258885
Feature norm: 69.199736
Error norm: 9.996801
Active features: 2942
Line search trials: 3

Line search step: 0.250000
Seconds required for this iteration: 1.272

***** Iteration #1927 *****
Loss: 4006.254357
Feature norm: 69.199406
Error norm: 8.274331
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.336

***** Iteration #1928 *****
Loss: 4006.250950
Feature norm: 69.199610
Error norm: 10.085921
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.285

***** Iteration #1929 *****
Loss: 4006.246351
Feature norm: 69.199154
Error norm: 8.091186
Active features: 2942
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.281

***** Iteration #1930 *****
Loss: 4006.243150
Feature norm: 69.199519
Error norm: 10.253654
Active features: 2941
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.268

***** Iteration #1931 *****
Loss: 4006.238505
Feature norm: 69.199230
Error norm: 7.924998
Active features: 2941
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.284

```

***** Iteration #1932 *****
Loss: 4006.235343
Feature norm: 69.199698
Error norm: 10.192594
Active features: 2941
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.203

```

```

***** Iteration #1933 *****
Loss: 4006.230808
Feature norm: 69.199510
Error norm: 7.878397
Active features: 2941
Line search trials: 3
Line search step: 0.250000
Seconds required for this iteration: 1.290

```

```

L-BFGS terminated with the stopping criteria
Total seconds required for training: 1592.487

```

```

Storing the model
Number of active features: 2941 (24153)
Number of active attributes: 1785 (8838)
Number of active labels: 28 (28)
Writing labels
Writing attributes
Writing feature references for transitions
Writing feature references for attributes
Seconds required: 0.008

```

```
[11]: write_output('NER/Chinese/validation.txt',r'CRF_Chinese_result.txt',y_pred_eng)
```

```
[12]: check(language = "Chinese", gold_path="NER/Chinese/validation.txt",
↳my_path="CRF_Chinese_result.txt")
```

	precision	recall	f1-score	support
B-NAME	0.9900	0.9706	0.9802	102
M-NAME	1.0000	0.9733	0.9865	75
E-NAME	0.9900	0.9706	0.9802	102
S-NAME	1.0000	1.0000	1.0000	8
B-CONT	1.0000	0.9697	0.9846	33
M-CONT	1.0000	0.9688	0.9841	64
E-CONT	1.0000	0.9697	0.9846	33
S-CONT	0.0000	0.0000	0.0000	0
B-EDU	0.9907	1.0000	0.9953	106

M-EDU	0.9779	1.0000	0.9888	177
E-EDU	0.9720	0.9811	0.9765	106
S-EDU	0.0000	0.0000	0.0000	0
B-TITLE	0.9087	0.9100	0.9094	689
M-TITLE	0.8819	0.9189	0.9000	1479
E-TITLE	0.9826	0.9840	0.9833	689
S-TITLE	0.0000	0.0000	0.0000	0
B-ORG	0.9567	0.9310	0.9437	522
M-ORG	0.9428	0.9553	0.9490	3622
E-ORG	0.9055	0.8812	0.8932	522
S-ORG	0.0000	0.0000	0.0000	0
B-RACE	1.0000	1.0000	1.0000	14
M-RACE	0.0000	0.0000	0.0000	0
E-RACE	1.0000	1.0000	1.0000	14
S-RACE	0.0000	0.0000	0.0000	1
B-PRO	0.8947	0.9444	0.9189	18
M-PRO	0.8049	1.0000	0.8919	33
E-PRO	0.9474	1.0000	0.9730	18
S-PRO	0.0000	0.0000	0.0000	0
B-LOC	1.0000	1.0000	1.0000	2
M-LOC	1.0000	1.0000	1.0000	6
E-LOC	1.0000	1.0000	1.0000	2
S-LOC	0.0000	0.0000	0.0000	0
micro avg	0.9346	0.9444	0.9395	8437
macro avg	0.7233	0.7290	0.7257	8437
weighted avg	0.9349	0.9444	0.9395	8437

5 Part 3: Transformer + CRF

In this part, we take reference from torch's source code of CRF. Transformer is used to train the emission matrix. CRF is used to train the transition matrix. We use SGD to train these matrices. We use the Viterbi algorithm to inference. Detailed code can be seen in `transformer_crf.py`

Transformer + CRF In this part, we take reference from torch's source code of CRF. Transformer is used to train the emission matrix. CRF is used to train the transition matrix. We use SGD to train these matrices. We use the Viterbi algorithm to inference. Detailed code can be seen in `transformer_crf.py`

5.0.1 English

```
[13]: START_LABEL = "<START>"
      STOP_LABEL = "<STOP>"
      EMBEDDING_DIM = 128
      HIDDEN_DIM = 128
      path = "English-train.jsonl"
      with open(path, "r") as src:
```

```

    lines = list(src)
    sequences = [None for _ in lines]
    for idx,line in enumerate(lines):
        sequences[idx] = json.loads(line)
sequences = sequences[: ]
model = TRANSFORMER_CRF(sequences, EMBEDDING_DIM, HIDDEN_DIM)
optimizer = optim.SGD(model.parameters(), lr=0.01, weight_decay=1e-4)

```

```

[15]: t = time.time()
for epoch in range(4):
    print('the',epoch,' epoch')
    print(f'Time Taken: {round(time.time()-t)} seconds')
    for seq in model.sequences:
        sentence = seq["word"]
        label = seq["label"]
        model.zero_grad()
        sentence_in = model.prepare_sequence(sentence)
        targets = torch.tensor([model.label_index[l] for l in label],
                                dtype=torch.long)
        loss = model.neg_log_likelihood(sentence_in, targets)
        loss.backward()
        optimizer.step()

```

```

the 0 epoch
Time Taken: 0 seconds
the 1 epoch
Time Taken: 1169 seconds
the 2 epoch
Time Taken: 2377 seconds
the 3 epoch
Time Taken: 3558 seconds

```

```

[16]: val_path = "English-validation.jsonl"
with open(val_path,"r") as src:
    lines = list(src)
    val_sequences = [None for _ in lines]
    for idx,line in enumerate(lines):
        val_sequences[idx] = json.loads(line)

```

```

[17]: idx_index = {v: k for k, v in model.label_index.items()}
for seq in val_sequences:
    with torch.no_grad():
        with open(r'TRANSFORMER_CRF_English_result.txt', 'a') as file:
            sentence = seq["word"]
            a = model(model.prepare_sequence(sentence))
            for word, id in zip(sentence,a[1]):
                file.write(f"{word} {idx_index[id]}\n")

```

```
file.write(f"\n")
```

```
[18]: check(language = "English", gold_path="NER/English/validation.txt",
        my_path="TRANSFORMER_CRF_English_result.txt")
```

	precision	recall	f1-score	support
B-PER	0.4817	0.6232	0.5434	1842
I-PER	0.5319	0.7330	0.6165	1307
B-ORG	0.4341	0.5377	0.4803	1341
I-ORG	0.3103	0.6471	0.4195	751
B-LOC	0.8706	0.5787	0.6952	1837
I-LOC	0.6839	0.4630	0.5522	257
B-MISC	0.6806	0.6171	0.6473	922
I-MISC	0.5660	0.4711	0.5142	346
micro avg	0.5264	0.6076	0.5641	8603
macro avg	0.5699	0.5839	0.5586	8603
weighted avg	0.5807	0.6076	0.5765	8603

5.0.2 Chinese

```
[19]: START_LABEL = "<START>"
STOP_LABEL = "<STOP>"
EMBEDDING_DIM = 128
HIDDEN_DIM = 128
path = "Chinese-train.jsonl"
with open(path,"r") as src:
    lines = list(src)
    cn_sequences = [None for _ in lines]
    for idx,line in enumerate(lines):
        cn_sequences[idx] = json.loads(line)
cn_sequences = cn_sequences[:]
cn_model = TRANSFORMER_CRF(cn_sequences, EMBEDDING_DIM, HIDDEN_DIM)
cn_optimizer = optim.SGD(cn_model.parameters(), lr=0.01, weight_decay=1e-4)
```

```
[20]: t = time.time()
for epoch in range(1):
    print('the',epoch,' epoch')
    print(f'Time Taken: {round(time.time()-t)} seconds')
    for seq in cn_model.sequences:
        sentence = seq["word"]
        label = seq["label"]
        cn_model.zero_grad()
        sentence_in = cn_model.prepare_sequence(sentence)
        targets = torch.tensor([cn_model.label_index[l] for l in label],
                                dtype=torch.long)
```

```

        loss = cn_model.neg_log_likelihood(sentence_in, targets)
        loss.backward()
        cn_optimizer.step()

```

the 0 epoch

Time Taken: 0 seconds

```

[24]: cn_val_path = "Chinese-validation.jsonl"
with open(cn_val_path,"r") as src:
    lines = list(src)
    cn_val_sequences = [None for _ in lines]
    for idx,line in enumerate(lines):
        cn_val_sequences[idx] = json.loads(line)

```

```

[27]: cn_idx_index = {v: k for k, v in cn_model.label_index.items()}
for seq in cn_val_sequences:
    with torch.no_grad():
        with open(r'TRANSFORMER_CRF_Chinese_result.txt', 'a') as file:
            sentence = seq["word"]
            a = cn_model(cn_model.prepare_sequence(sentence))
            for word, id in zip(sentence,a[1]):
                file.write(f"{word} {cn_idx_index[id]}\n")
            file.write(f"\n")

```

```

[28]: check(language = "Chinese", gold_path="NER/Chinese/validation.txt",
    ↪my_path="TRANSFORMER_CRF_Chinese_result.txt")

```

	precision	recall	f1-score	support
B-NAME	0.9588	0.9118	0.9347	102
M-NAME	1.0000	0.9200	0.9583	75
E-NAME	0.9780	0.8725	0.9223	102
S-NAME	0.0000	0.0000	0.0000	8
B-CONT	0.9697	0.9697	0.9697	33
M-CONT	1.0000	0.9688	0.9841	64
E-CONT	1.0000	1.0000	1.0000	33
S-CONT	0.0000	0.0000	0.0000	0
B-EDU	0.9479	0.8585	0.9010	106
M-EDU	0.9389	0.9548	0.9468	177
E-EDU	0.9615	0.9434	0.9524	106
S-EDU	0.0000	0.0000	0.0000	0
B-TITLE	0.7845	0.8084	0.7963	689
M-TITLE	0.5862	0.9723	0.7314	1479
E-TITLE	0.9371	0.9724	0.9544	689
S-TITLE	0.0000	0.0000	0.0000	0
B-ORG	0.9279	0.7893	0.8530	522
M-ORG	0.9106	0.8321	0.8696	3622
E-ORG	0.8705	0.7337	0.7963	522

S-ORG	0.0000	0.0000	0.0000	0
B-RACE	1.0000	1.0000	1.0000	14
M-RACE	0.0000	0.0000	0.0000	0
E-RACE	1.0000	1.0000	1.0000	14
S-RACE	0.0000	0.0000	0.0000	1
B-PRO	0.5000	0.7222	0.5909	18
M-PRO	0.4576	0.8182	0.5870	33
E-PRO	0.6500	0.7222	0.6842	18
S-PRO	0.0000	0.0000	0.0000	0
B-LOC	0.0000	0.0000	0.0000	2
M-LOC	0.7500	0.5000	0.6000	6
E-LOC	1.0000	0.5000	0.6667	2
S-LOC	0.0000	0.0000	0.0000	0
micro avg	0.8130	0.8649	0.8382	8437
macro avg	0.5978	0.5866	0.5843	8437
weighted avg	0.8451	0.8649	0.8447	8437