LSTM sizes	Seq. length	Horizon	Batch size	Learning rate	Epochs	RMSE
[128, 64]	50	30	10	1.00E-06	50	5.5727
[128, 64]	50	30	10	1.00E-05	50	3.4593
[128, 64]	50	30	10	5.00E-05	50	4.0543
[128, 64]	50	30	10	1.00E-04	50	3.7301
[128, 128]	50	30	10	1.00E-06	50	5.2443
[128, 128]	50	30	10	1.00E-05	50	2.8808
[128, 128]	50	30	10	5.00E-05	50	3.6107
[128, 128]	50	30	10	1.00E-04	50	4.2979
[128, 128, 128]	50	30	10	1.00E-06	50	5.4599
[128, 128, 128]	50	30	10	1.00E-05	50	3.4861
[128, 128, 128]	50	30	10	5.00E-05	50	3.6371
[128, 128, 128]	50	30	10	1.00E-04	50	4.3737
[128, 64]	50	30	10	1.00E-06	100	5.3919
[128, 64]	50	30	10	1.00E-05	100	3.6077
[128, 64]	50	30	10	5.00E-05	100	4.2943
[128, 64]	50	30	10	1.00E-04	100	3.5237
[128, 128]	50	30	10	1.00E-06	100	4.3633
[128, 128]	50	30	10	1.00E-05	100	3.3752
[128, 128]	50	30	10	5.00E-05	100	3.8891
[128, 128]	50	30	10	1.00E-04	100	3.5300
[128, 128, 128]	50	30	10	1.00E-06	100	4.9164
[128, 128, 128]	50	30	10	1.00E-05	100	3.6421
[128, 128, 128]	50	30	10	5.00E-05	100	3.7427
[128, 128, 128]	50	30	10	1.00E-04	100	3.9159
[128, 64]	50	30	10	1.00E-06	150	4.8405
[128, 64]	50	30	10	1.00E-05	150	3.8527
[128, 64]	50	30	10	5.00E-05	150	3.9560
[128, 64]	50	30	10	1.00E-04	150	4.1000
[128, 128]	50	30	10	1.00E-06	150	4.7363
[128, 128]	50	30	10	1.00E-05	150	3.1462
[128, 128]	50	30	10	5.00E-05	150	3.6983
[128, 128]	50	30	10	1.00E-04	150	3.7385
[128, 128, 128]	50	30	10	1.00E-06	150	4.1381
[128, 128, 128]	50	30	10	1.00E-05	150	3.4796
[128, 128, 128]	50	30	10	5.00E-05	150	3.9970
[128, 128, 128]	50	30	10	1.00E-04	150	4.1037
[128, 64]	50	30	10	1.00E-06	200	4.8715
[128, 64]	50	30	10	1.00E-05	200	3.3725
[128, 64]	50	30	10	5.00E-05	200	4.1668
[128, 64]	50	30	10	1.00E-04	200	4.0509
[128, 128]	50	30	10	1.00E-06	200	4.0193
[128, 128]	50	30	10	1.00E-05	200	3.3647
[128, 128]	50	30	10	5.00E-05	200	3.6780
[128, 128]	50	30	10	1.00E-04	200	3.8842
[128, 128, 128]	50	30	10	1.00E-06	200	4.6862
[128, 128, 128]	50	30	10	1.00E-05	200	3.8089
[128, 128, 128]	50	30	10	5.00E-05	200	4.1109
[128, 128, 128]	50	30	10	1.00E-04	200	3.7599

LSTM sizes	Seq. length	Horizon	Batch size	Learning rate	Epochs	RMSE
[128, 64]	100	30	10	1.00E-06	50	8.3094
[128, 64]	100	30	10	1.00E-05	50	3.0728
[128, 64]	100	30	10	5.00E-05	50	2.7602
[128, 64]	100	30	10	1.00E-04	50	2.7313
[128, 128]	100	30	10	1.00E-06	50	8.0027
[128, 128]	100	30	10	1.00E-05	50	2.6949
[128, 128]	100	30	10	5.00E-05	50	3.1545
[128, 128]	100	30	10	1.00E-04	50	3.6776
[128, 128, 128]	100	30	10	1.00E-06	50	7.7053
[128, 128, 128]	100	30	10	1.00E-05	50	3.5871
[128, 128, 128]	100	30	10	5.00E-05	50	3.4862
[128, 128, 128]	100	30	10	1.00E-04	50	3.5177
[128, 64]	100	30	10	1.00E-06	100	6.8265
[128, 64]	100	30	10	1.00E-05	100	2.6077
[128, 64]	100	30	10	5.00E-05	100	3.5806
[128, 64]	100	30	10	1.00E-04	100	3.6992
[128, 128]	100	30	10	1.00E-06	100	5.6584
[128, 128]	100	30	10	1.00E-05	100	2.9121
[128, 128]	100	30	10	5.00E-05	100	3.3130
[128, 128]	100	30	10	1.00E-04	100	4.9057
[128, 128, 128]	100	30	10	1.00E-06	100	6.0362
[128, 128, 128]	100	30	10	1.00E-05	100	3.0104
[128, 128, 128]	100	30	10	5.00E-05	100	3.2551
[128, 128, 128]	100	30	10	1.00E-04	100	2.9499
[128, 64]	100	30	10	1.00E-06	150	4.8808
[128, 64]	100	30	10	1.00E-05	150	3.2787
[128, 64]	100	30	10	5.00E-05	150	3.5361
[128, 64]	100	30	10	1.00E-04	150	3.8943
[128, 128]	100	30	10	1.00E-06	150	3.0206
[128, 128]	100	30	10	1.00E-05	150	2.8742
[128, 128]	100	30	10	5.00E-05	150	3.2719
[128, 128]	100	30	10	1.00E-04	150	4.5813
[128, 128, 128]	100	30	10	1.00E-06	150	4.3857
[128, 128, 128]	100	30	10	1.00E-05	150	2.8747
[128, 128, 128]	100	30	10	5.00E-05	150	3.2296
[128, 128, 128]	100	30	10	1.00E-04	150	3.1999
[128, 64]	100	30	10	1.00E-06	200	3.6478
[128, 64]	100	30	10	1.00E-05	200	2.8301
[128, 64]	100	30	10	5.00E-05	200	3.4609
[128, 64]	100	30	10	1.00E-04	200	3.5888
[128, 128]	100	30	10	1.00E-06	200	2.7635
[128, 128]	100	30	10	1.00E-05	200	3.527
[128, 128]	100	30	10	5.00E-05	200	3.4919
[128, 128]	100	30	10	1.00E-04	200	4.2911
[128, 128, 128]	100	30	10	1.00E-06	200	3.7257
[128, 128, 128]	100	30	10	1.00E-05	200	3.4645
[128, 128, 128]	100	30	10	5.00E-05	200	3.7888
[128, 128, 128]	100	30	10	1.00E-04	200	3.1952