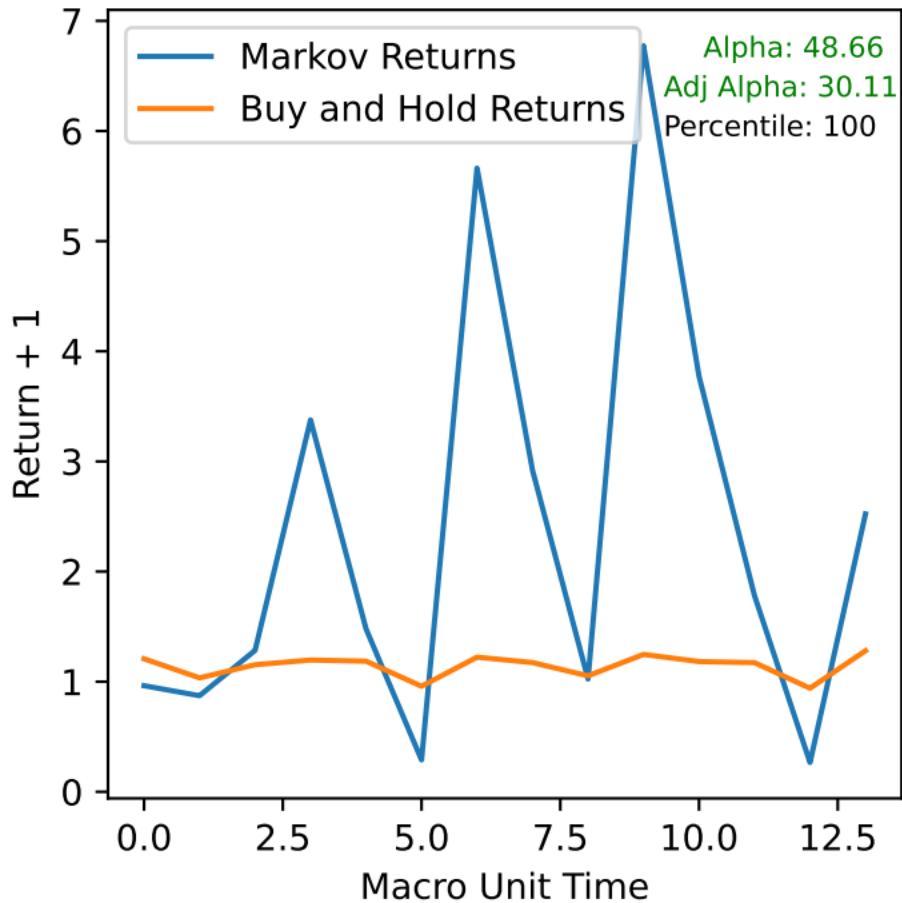
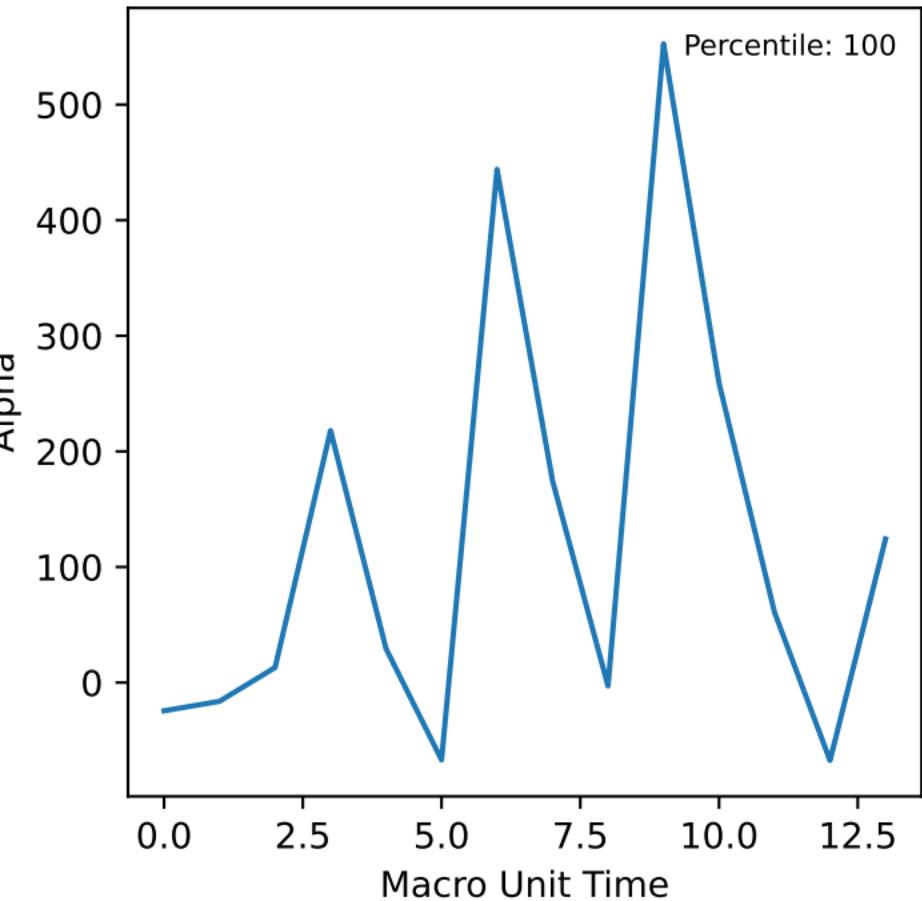


## SPY Return per Macro Unit Time



## SPY Alpha per Macro Unit Time



SPY Transition Probability Matrix

	d1	d2	d3	d4	g1	g2	g3	g4
d1	28.3	27.5	26.8	18.8	33.8	35.8	29.1	16.7
d2	10.7	13.0	12.4	6.2	8.8	8.9	15.2	16.7
d3	3.1	5.1	1.0	6.2	1.9	3.1	2.5	0.0
d4	0.6	0.3	2.1	6.2	0.2	0.0	2.5	0.0
g1	38.1	32.6	30.9	25.0	40.4	37.4	39.2	66.7
g2	16.4	18.4	22.7	25.0	12.6	13.9	8.9	0.0
g3	2.5	3.1	4.1	12.5	2.1	1.0	2.5	0.0
g4	0.3	0.0	0.0	0.0	0.2	0.0	0.0	0.0