SPX vs. UST10y: Risk-premium vs Duration regime

Median -0.6% 0.05% Avg -0.8% 0.05% Median -0.6% -0.04% Avg -0.9% -0.05% Median 0.7% -0.04% Avg 0.8% -0.05%

Quadrant Dur Return

Median 0.6% 0.05% Avg 0.8% 0.05%

Quadrant

Risk On

Quadrant Dur Risk

-<u>Index</u> Date SPX Index GT10 Govt Behaviour 1 08/02/16 -0.6% 0.04% Dur Risk 2 09/09/16 -2.5% 0.08% Dur Risk 3 09/13/16 -1.5% 0.06% Dur Risk 4 10/03/16 -0.3% 0.03% Dur Risk 5 10/04/16 -0.5% 0.06% Dur Risk 6 10/11/16 -1.2% 0.05% Dur Risk 7 12/01/16 -0.4% 0.07% Dur Risk 8 12/14/16 -0.8% 0.10% Dur Risk 9 01/19/17 -0.4% 0.04% Dur Risk 10 03/02/17 -0.6% 0.03% Dur Risk 11 03/06/17 -0.3% 0.02% Dur Risk

Quadrant Risk Off -<u>Index</u> Date SPX Index GT10 Govt Behaviour 1 06/24/16 -3.6% -0.19% Risk Off 2 06/27/16 -1.8% -0.12% Risk Off 3 07/05/16 -0.7% -0.07% Risk Off 4 07/21/16 -0.4% -0.02% Risk Off 5 09/26/16 -0.9% -0.03% Risk Off 6 10/13/16 -0.3% -0.03% Risk Off 7 10/17/16 -0.3% -0.03% Risk Off 8 11/02/16 -0.7% -0.02% Risk Off 9 11/28/16 -0.5% -0.04% Risk Off 10 12/28/16 -0.8% -0.05% Risk Off 11 12/30/16 -0.5% -0.03% Risk Off 12 01/09/17 -0.4% -0.05% Risk Off 13 03/14/17 -0.03% -0.3% Risk Off 14 03/21/17 -1.2% -0.04% Risk Off 15 04/05/17 -0.3% -0.03% Risk Off 16 04/12/17 -0.4% -0.06% Risk Off 17 05/17/17 -1.8% -0.10% Risk Off

-0.7%

-0.03%

Risk Off

18 06/20/17

-**Index** Date SPX Index GT10 Govt Behaviour 1.4% -0.04% Dur Return 1 06/30/16 2 07/08/16 1.5% -0.03% Dur Return 3 08/29/16 0.5% -0.07% Dur Return 4 09/21/16 1.1% -0.04% Dur Return -0.03% Dur Return 5 09/22/16 0.6% 6 09/27/16 0.6% -0.03% Dur Return 7 10/18/16 0.6% -0.03% Dur Return 8 11/15/16 0.7% -0.04% Dur Return 9 11/21/16 0.7% -0.04% Dur Return 10 12/07/16 1.3% -0.05% Dur Return 11 03/10/17 0.3% -0.03% Dur Return 12 03/15/17 0.8% -0.11% Dur Return 13 06/02/17 0.4% -0.05% Dur Return

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<u>Index</u>	<u>Date</u>		GT10 Govt	Behaviour
1	06/23/16	1.3%	0.06%	Risk On
2	06/28/16	1.8%	0.03%	Risk On
3	06/29/16	1.7%	0.05%	Risk On
4	07/11/16	0.3%	0.07%	Risk On
5	07/12/16	0.7%	0.08%	Risk On
6	07/14/16	0.5%	0.06%	Risk On
7	07/20/16	0.4%	0.03%	Risk On
8	08/05/16	0.9%	0.09%	Risk On
9	08/11/16	0.5%	0.05%	Risk On
10	09/02/16	0.4%	0.03%	Risk On
11	09/30/16	0.8%	0.03%	Risk On
12	10/24/16	0.5%	0.03%	Risk On
13	11/07/16	2.2%	0.05%	Risk On
14	11/08/16	0.4%	0.03%	Risk On
15	11/09/16	1.1%	0.20%	Risk On
16	11/17/16	0.5%	0.08%	Risk On
17	12/09/16	0.6%	0.06%	Risk On
18	12/15/16	0.4%	0.03%	Risk On
19	12/20/16	0.4%	0.02%	Risk On
20	01/06/17	0.4%	0.08%	Risk On
21	01/24/17	0.7%	0.07%	Risk On
22	01/25/17	0.8%	0.05%	Risk On
23	02/09/17	0.6%	0.06%	Risk On
24	02/13/17	0.5%	0.03%	Risk On
25	02/14/17	0.4%	0.03%	Risk On
26	02/15/17	0.5%	0.02%	Risk On
27	03/01/17	1.4%	0.06%	Risk On
28	03/28/17	0.7%	0.04%	Risk On
29	04/24/17	1.1%	0.02%	Risk On
30	04/25/17	0.6%	0.06%	Risk On
31	05/22/17	0.5%	0.02%	Risk On
32	06/19/17	0.8%	0.04%	Risk On