

QUARTERLY MARKET IMPACT / TRADING PATTERN REPORT – Q2 2022

PM-SETTLED S&P 500 INDEX OPTIONS

On September 2, 2011, the C2 Options Exchange, Incorporated (“C2”) received approval of a proposed rule change to list and trade PM-Settled S&P 500 Index Options that expire on the third Friday of the month on a 14-month pilot basis. Cboe Exchange, Inc. (formerly Chicago Board Options Exchange, Incorporated) (“Cboe Options”) became the sole market for PM-Settled S&P 500 Index Options on February 19, 2013. The Exchange has extended the pilot every six months since then.

As part of this pilot program, on a periodic basis Cboe Options will submit reports analyzing volume and open interest for Expiration Friday, PM-Settled S&P 500 Index Option Series (“SPXpm”). Pursuant to the terms of the pilot program, Cboe Options is submitting this interim report to the SEC.

Monthly Analysis of Volume & Open Interest:

This interim pilot report data reflects trading activity in SPXpm options during Q2 2022.

1. Monthly volume aggregated for all SPXpm trades

<u>Month</u>	<u>Index</u>	<u>Volume</u>
22-Apr	SPXW	4,901,684
22-May	SPXW	6,327,626
22-Jun	SPXW	6,875,206

2. Monthly volume for SPXpm trades aggregated by expiration date

<u>Month</u>	<u>Index</u>	<u>Expiration</u>	<u>Volume</u>
22-Apr	SPXW	4/14/2022	3,066,052
22-Apr	SPXW	5/20/2022	920,400
22-Apr	SPXW	6/17/2022	601,246
22-Apr	SPXW	7/15/2022	203,424
22-Apr	SPXW	8/19/2022	83,100
22-Apr	SPXW	9/16/2022	27,462
22-May	SPXW	5/20/2022	4,168,702
22-May	SPXW	6/17/2022	1,190,188
22-May	SPXW	7/15/2022	496,572
22-May	SPXW	8/19/2022	343,256
22-May	SPXW	9/16/2022	120,430
22-May	SPXW	10/21/2022	8,478
22-Jun	SPXW	6/17/2022	4,839,002
22-Jun	SPXW	7/15/2022	1,201,874
22-Jun	SPXW	8/19/2022	419,274
22-Jun	SPXW	9/16/2022	351,054
22-Jun	SPXW	10/21/2022	54,636
22-Jun	SPXW	11/18/2022	9,366

3. Monthly volume for individual SPXpm series

See Attached Spreadsheet Tab “SPXpm Monthly Volume by Series”

4. Month-end open interest aggregated for all SPXpm series

<u>Month</u>	<u>Index</u>	<u>OI</u>
22-Apr	SPXW	566,975
22-May	SPXW	639,622
22-Jun	SPXW	611,680

5. Month-end open interest for SPXpm series aggregated by expiration date

<u>Month</u>	<u>Index</u>	<u>Expiration</u>	<u>OI</u>
22-Apr	SPXW	5/20/2022	279,866
22-Apr	SPXW	6/17/2022	192,779
22-Apr	SPXW	7/15/2022	59,439
22-Apr	SPXW	8/19/2022	24,400
22-Apr	SPXW	9/16/2022	10,491
22-May	SPXW	6/17/2022	351,792
22-May	SPXW	7/15/2022	163,349
22-May	SPXW	8/19/2022	85,094
22-May	SPXW	9/16/2022	35,714
22-May	SPXW	10/21/2022	3,673
22-Jun	SPXW	7/15/2022	325,447
22-Jun	SPXW	8/19/2022	163,470
22-Jun	SPXW	9/16/2022	96,116
22-Jun	SPXW	10/21/2022	22,437
22-Jun	SPXW	11/18/2022	4,210

6. *Month-end open interest for individual SPXpm series*

See Attached Spreadsheet Tab “SPXpm Month-end OI by Series”

Monthly Analysis of XSP PM Volume & Open Interest:

7. Monthly volume aggregated for all XSP PM trades

<u>Month</u>	<u>Index</u>	<u>Volume</u>
22-Apr	XSP	96,038
22-May	XSP	215,639
22-Jun	XSP	230,259

8. Monthly volume for XSP PM trades aggregated by expiration date

See Attached Spreadsheet Tabs “XSP PM Aggreg by Expiration”

9. Monthly volume for individual XSP PM series

See Attached Spreadsheet Tabs “XSP Monthly Volume by Series”

10. Month-end open interest aggregated for all XSP PM series

<u>Month</u>	<u>Index</u>	<u>OI</u>
22-Apr	XSP	130,830
22-May	XSP	168,024
22-Jun	XSP	239,624

11. Month-end open interest for XSP PM series aggregated by expiration date

See Attached Spreadsheet Tabs “XSP PM Aggreg by Expiration”

12. Month-end open interest for individual XSP PM series

See Attached Spreadsheet Tab “XSPpm Month-end OI by Series”

Monthly Analysis of MRUT PM Volume & Open Interest:

13. Monthly volume aggregated for all MRUT PM trades

<u>Month</u>	<u>Index</u>	<u>Volume</u>
22-Apr	MRUT	1,780
22-May	MRUT	1,847
22-Jun	MRUT	1,502

14. Monthly volume for MRUT PM trades aggregated by expiration date

<u>Month</u>	<u>Index</u>	<u>Expiration</u>	<u>Volume</u>
22-Apr	MRUT	4/14/2022	620
22-Apr	MRUT	5/20/2022	634
22-Apr	MRUT	6/17/2022	365
22-Apr	MRUT	7/15/2022	22
22-Apr	MRUT	9/16/2022	100
22-Apr	MRUT	12/16/2022	39
22-May	MRUT	5/20/2022	674
22-May	MRUT	6/17/2022	486
22-May	MRUT	7/15/2022	464
22-May	MRUT	8/19/2022	27
22-May	MRUT	9/16/2022	51
22-May	MRUT	12/16/2022	145
22-Jun	MRUT	6/17/2022	564
22-Jun	MRUT	7/15/2022	461
22-Jun	MRUT	8/19/2022	220
22-Jun	MRUT	9/16/2022	166
22-Jun	MRUT	12/16/2022	91

15. Monthly volume for individual MRUT PM series

See Attached Spreadsheet Tabs “Cboe Monthly Volume by Series”

16. Month-end open interest aggregated for all MRUT PM series

<u>Month</u>	<u>Index</u>	<u>OI</u>
22-Apr	MRUT	1,270
22-May	MRUT	1,335
22-Jun	MRUT	1,353

17. Month-end open interest for MRUT PM series aggregated by expiration date

<u>Month</u>	<u>Index</u>	<u>Expiration</u>	<u>OI</u>
22-Apr	MRUT	5/20/2022	531
22-Apr	MRUT	6/17/2022	304
22-Apr	MRUT	7/15/2022	19
22-Apr	MRUT	9/16/2022	258
22-Apr	MRUT	12/16/2022	158
22-May	MRUT	6/17/2022	402
22-May	MRUT	7/15/2022	375
22-May	MRUT	8/19/2022	27
22-May	MRUT	9/16/2022	285
22-May	MRUT	12/16/2022	246
22-Jun	MRUT	7/15/2022	528
22-Jun	MRUT	8/19/2022	137
22-Jun	MRUT	9/16/2022	395
22-Jun	MRUT	12/16/2022	293

18. Month-end open interest for individual MRUT PM series

See Attached Spreadsheet Tab “MRUT Month-end OI by Series”