

# AAPL

balance\_sheetAAPL

	2021-09-25	2020-09-26	2019-09-28	2018-
Total Liab	287912000000.0	258549000000.0	248028000000.0	25857
Total Stockholder Equity	63090000000.0	65339000000.0	90488000000.0	10714
Other Current Liab	53577000000.0	47867000000.0	43242000000.0	39293
Total Assets	351002000000.0	323888000000.0	338516000000.0	36572
Common Stock	57365000000.0	50779000000.0	45174000000.0	40201
Other Current Assets	14111000000.0	11264000000.0	12352000000.0	12087
Retained Earnings	5562000000.0	14966000000.0	45898000000.0	70400
Other Liab	43050000000.0	46108000000.0	50503000000.0	48914
Treasury Stock	163000000.0	-406000000.0	-584000000.0	-3454
Other Assets	38762000000.0	33952000000.0	32978000000.0	22283
Cash	34940000000.0	38016000000.0	48844000000.0	25913
Total Current Liabilities	125481000000.0	105392000000.0	105718000000.0	11592
Short Long Term Debt	9613000000.0	8773000000.0	10260000000.0	87840
Other Stockholder Equity	163000000.0	-406000000.0	-584000000.0	-3454
Property Plant Equipment	49527000000.0	45336000000.0	37378000000.0	41304
Total Current Assets	134836000000.0	143713000000.0	162819000000.0	13133

Long Term Investments	127877000000.0	100887000000.0	105341000000.0	17079
Net Tangible Assets	63090000000.0	65339000000.0	90488000000.0	10714
Short Term Investments	27699000000.0	52927000000.0	51713000000.0	40388
Net Receivables	51506000000.0	37445000000.0	45804000000.0	48995
Long Term Debt	109106000000.0	98667000000.0	91807000000.0	93735
Inventory	6580000000.0	4061000000.0	4106000000.0	39560
Accounts Payable	54763000000.0	42296000000.0	46236000000.0	55888

balance\_sheetAAPL

	2021-09-25	2020-09-26	2019-09-28	2018-
Total Liab	287912000000.0	258549000000.0	248028000000.0	25857
Total Stockholder Equity	63090000000.0	65339000000.0	90488000000.0	10714
Other Current Liab	53577000000.0	47867000000.0	43242000000.0	39293
Total Assets	351002000000.0	323888000000.0	338516000000.0	36572
Common Stock	57365000000.0	50779000000.0	45174000000.0	40201
Other Current Assets	14111000000.0	11264000000.0	12352000000.0	12087
Retained Earnings	5562000000.0	14966000000.0	45898000000.0	70400
Other Liab	43050000000.0	46108000000.0	50503000000.0	48914
Treasury Stock	163000000.0	-406000000.0	-584000000.0	-3454

Other Assets	38762000000.0	33952000000.0	32978000000.0	22283
Cash	34940000000.0	38016000000.0	48844000000.0	25913
Total Current Liabilities	125481000000.0	105392000000.0	105718000000.0	11592
Short Long Term Debt	9613000000.0	8773000000.0	10260000000.0	87840
Other Stockholder Equity	163000000.0	-406000000.0	-584000000.0	-3454
Property Plant Equipment	49527000000.0	45336000000.0	37378000000.0	41304
Total Current Assets	134836000000.0	143713000000.0	162819000000.0	13133
Long Term Investments	127877000000.0	100887000000.0	105341000000.0	17079
Net Tangible Assets	63090000000.0	65339000000.0	90488000000.0	10714
Short Term Investments	27699000000.0	52927000000.0	51713000000.0	40388
Net Receivables	51506000000.0	37445000000.0	45804000000.0	48995
Long Term Debt	109106000000.0	98667000000.0	91807000000.0	93735
Inventory	6580000000.0	4061000000.0	4106000000.0	39560
Accounts Payable	54763000000.0	42296000000.0	46236000000.0	55888

cashflowAAPL

	2021-09-25	2020-09-26	2019-09-28	2018-
Investments	-2819000000.0	5335000000.0	58093000000.0	30845
Change To Liabilities	14002000000.0	-1981000000.0	-2548000000.0	91720

Total Cashflows From Investing Activities	1515000000.0	-4289000000.0	45896000000.0	1606000000.0
Net Borrowings	12665000000.0	2499000000.0	-7819000000.0	432000000.0
Total Cash From Financing Activities	9053000000.0	-86820000000.0	-90976000000.0	-8787000000.0
Change To Operating Activities	6146000000.0	881000000.0	-896000000.0	300160000.0
Issuance Of Stock	1105000000.0	880000000.0	781000000.0	66900000.0
Net Income	94680000000.0	57411000000.0	55256000000.0	5953100000.0
Change In Cash	-3860000000.0	-10435000000.0	24311000000.0	5624000000.0
Repurchase Of Stock	-92527000000.0	-75992000000.0	-69714000000.0	-7526000000.0
Total Cash From Operating Activities	104030000000.0	80674000000.0	69391000000.0	7743400000.0
Depreciation	11284000000.0	11056000000.0	12547000000.0	1090300000.0
Other Cashflows From Investing Activities	60800000.0	-791000000.0	-1078000000.0	-74500000.0
Dividends Paid	-14467000000.0	-14081000000.0	-14119000000.0	-1371000000.0
Change To Inventory	-2642000000.0	-127000000.0	-289000000.0	82800000.0
Change To Account Receivables	1125000000.0	6917000000.0	245000000.0	-532200000.0
Other Cashflows From Financing Activities	2900000.0	-126000000.0	-105000000.0	-10500000.0
Change To Netincome	2985000000.0	6517000000.0	5076000000.0	-2769000000.0
Capital Expenditures	-11085000000.0	-7309000000.0	-10495000000.0	-1331000000.0

cashflowAAPL

	2021-09-25	2020-09-26	2019-09-28	2018-09-29
Investments	-2819000000.0	5335000000.0	58093000000.0	30845000000.0
Change To Liabilities	14002000000.0	-1981000000.0	-2548000000.0	9172000000.0
Total Cashflows From Investing Activities	1515000000.0	-4289000000.0	45896000000.0	16066000000.0
Net Borrowings	12665000000.0	2499000000.0	-7819000000.0	4320000000.0
Total Cash From Financing Activities	9065000000.0	-8682000000.0	-90976000000.0	-8787000000.0
Change To Operating Activities	6146000000.0	881000000.0	-896000000.0	3001600000.0
Issuance Of Stock	1105000000.0	880000000.0	781000000.0	669000000.0
Net Income	94680000000.0	57411000000.0	55256000000.0	59531000000.0
Change In Cash	-3860000000.0	-10435000000.0	24311000000.0	5624000000.0
Repurchase Of Stock	-92527000000.0	-75992000000.0	-69714000000.0	-7526000000.0
Total Cash From Operating Activities	101030000000.0	80674000000.0	69391000000.0	77434000000.0
Depreciation	11284000000.0	11056000000.0	12547000000.0	10903000000.0
Other Cashflows From Investing Activities	6080000.0	-791000000.0	-1078000000.0	-745000000.0
Dividends Paid	-14467000000.0	-14081000000.0	-14119000000.0	-1371000000.0
Change To Inventory	-2642000000.0	-127000000.0	-289000000.0	828000000.0
Change To Account Receivables	10125000000.0	6917000000.0	245000000.0	-5322000000.0
Other Cashflows From Financing Activities	2900000.0	-126000000.0	-105000000.0	-105000000.0
Change To Netincome	2985000000.0	6517000000.0	5076000000.0	-2769000000.0

Capital Expenditures	-11085000000.0	-7309000000.0	-10495000000.0	-1331
----------------------	----------------	---------------	----------------	-------

dividends AAPL

Date	Dividends
1987-05-11	0.000536
1987-08-10	0.000536
1987-11-17	0.000714
1988-02-12	0.000714
1988-05-16	0.000714
1988-08-15	0.000714
1988-11-21	0.000893
1989-02-17	0.000893
1989-05-22	0.000893
1989-08-21	0.000893
1989-11-17	0.000982
1990-02-16	0.000982
1990-05-21	0.000982
1990-08-20	0.000982
1990-11-16	0.001071

1991-02-15	0.001071
1991-05-20	0.001071
1991-08-19	0.001071
1991-11-18	0.001071
1992-02-14	0.001071
1992-06-01	0.001071
1992-08-17	0.001071
1992-11-30	0.001071
1993-02-12	0.001071
1993-05-28	0.001071
1993-08-16	0.001071
1993-11-19	0.001071
1994-02-07	0.001071
1994-05-27	0.001071
1994-08-15	0.001071
1994-11-18	0.001071
1995-02-13	0.001071
1995-05-26	0.001071
1995-08-16	0.001071

1995-11-21	0.001071
2012-08-09	0.094643
2012-11-07	0.094643
2013-02-07	0.094643
2013-05-09	0.108929
2013-08-08	0.108929
2013-11-06	0.108929
2014-02-06	0.108929
2014-05-08	0.1175
2014-08-07	0.1175
2014-11-06	0.1175
2015-02-05	0.1175
2015-05-07	0.13
2015-08-06	0.13
2015-11-05	0.13
2016-02-04	0.13
2016-05-05	0.1425
2016-08-04	0.1425
2016-11-03	0.1425



2017-02-09	0.1425
2017-05-11	0.1575
2017-08-10	0.1575
2017-11-10	0.1575
2018-02-09	0.1575
2018-05-11	0.1825
2018-08-10	0.1825
2018-11-08	0.1825
2019-02-08	0.1825
2019-05-10	0.1925
2019-08-09	0.1925
2019-11-07	0.1925
2020-02-07	0.1925
2020-05-08	0.205
2020-08-07	0.205
2020-11-06	0.205
2021-02-05	0.205
2021-05-07	0.22
2021-08-06	0.22

2021-11-05	0.22
2022-02-04	0.22
2022-05-06	0.23

dividends AAPL

Date	Dividends
1987-05-11	0.000536
1987-08-10	0.000536
1987-11-17	0.000714
1988-02-12	0.000714
1988-05-16	0.000714
1988-08-15	0.000714
1988-11-21	0.000893
1989-02-17	0.000893
1989-05-22	0.000893
1989-08-21	0.000893
1989-11-17	0.000982
1990-02-16	0.000982
1990-05-21	0.000982

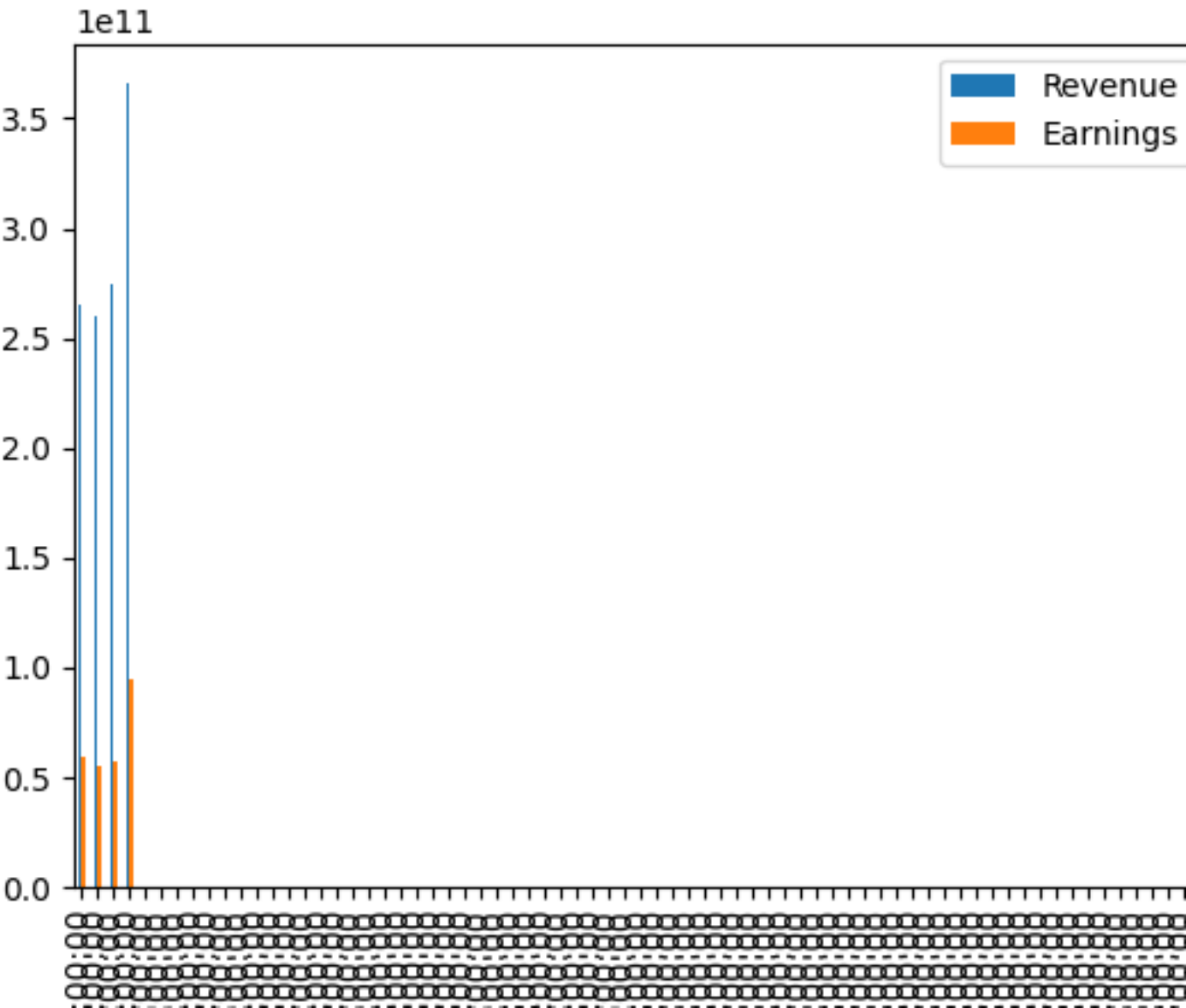
1990-08-20	0.000982
1990-11-16	0.001071
1991-02-15	0.001071
1991-05-20	0.001071
1991-08-19	0.001071
1991-11-18	0.001071
1992-02-14	0.001071
1992-06-01	0.001071
1992-08-17	0.001071
1992-11-30	0.001071
1993-02-12	0.001071
1993-05-28	0.001071
1993-08-16	0.001071
1993-11-19	0.001071
1994-02-07	0.001071
1994-05-27	0.001071
1994-08-15	0.001071
1994-11-18	0.001071
1995-02-13	0.001071

1995-05-26	0.001071
1995-08-16	0.001071
1995-11-21	0.001071
2012-08-09	0.094643
2012-11-07	0.094643
2013-02-07	0.094643
2013-05-09	0.108929
2013-08-08	0.108929
2013-11-06	0.108929
2014-02-06	0.108929
2014-05-08	0.1175
2014-08-07	0.1175
2014-11-06	0.1175
2015-02-05	0.1175
2015-05-07	0.13
2015-08-06	0.13
2015-11-05	0.13
2016-02-04	0.13
2016-05-05	0.1425

2016-08-04	0.1425
2016-11-03	0.1425
2017-02-09	0.1425
2017-05-11	0.1575
2017-08-10	0.1575
2017-11-10	0.1575
2018-02-09	0.1575
2018-05-11	0.1825
2018-08-10	0.1825
2018-11-08	0.1825
2019-02-08	0.1825
2019-05-10	0.1925
2019-08-09	0.1925
2019-11-07	0.1925
2020-02-07	0.1925
2020-05-08	0.205
2020-08-07	0.205
2020-11-06	0.205
2021-02-05	0.205

2021-05-07	0.22
2021-08-06	0.22
2021-11-05	0.22
2022-02-04	0.22
2022-05-06	0.23

dividends of AAPL



## dividendsAAPL

Date	Dividends
1987-05-11	0.000536
1987-08-10	0.000536
1987-11-17	0.000714
1988-02-12	0.000714
1988-05-16	0.000714
1988-08-15	0.000714
1988-11-21	0.000893
1989-02-17	0.000893
1989-05-22	0.000893
1989-08-21	0.000893
1989-11-17	0.000982
1990-02-16	0.000982
1990-05-21	0.000982
1990-08-20	0.000982
1990-11-16	0.001071
1991-02-15	0.001071
1991-05-20	0.001071

1991-08-19	0.001071
1991-11-18	0.001071
1992-02-14	0.001071
1992-06-01	0.001071
1992-08-17	0.001071
1992-11-30	0.001071
1993-02-12	0.001071
1993-05-28	0.001071
1993-08-16	0.001071
1993-11-19	0.001071
1994-02-07	0.001071
1994-05-27	0.001071
1994-08-15	0.001071
1994-11-18	0.001071
1995-02-13	0.001071
1995-05-26	0.001071
1995-08-16	0.001071
1995-11-21	0.001071
2012-08-09	0.094643



2012-11-07	0.094643
2013-02-07	0.094643
2013-05-09	0.108929
2013-08-08	0.108929
2013-11-06	0.108929
2014-02-06	0.108929
2014-05-08	0.1175
2014-08-07	0.1175
2014-11-06	0.1175
2015-02-05	0.1175
2015-05-07	0.13
2015-08-06	0.13
2015-11-05	0.13
2016-02-04	0.13
2016-05-05	0.1425
2016-08-04	0.1425
2016-11-03	0.1425
2017-02-09	0.1425
2017-05-11	0.1575

2017-08-10	0.1575
2017-11-10	0.1575
2018-02-09	0.1575
2018-05-11	0.1825
2018-08-10	0.1825
2018-11-08	0.1825
2019-02-08	0.1825
2019-05-10	0.1925
2019-08-09	0.1925
2019-11-07	0.1925
2020-02-07	0.1925
2020-05-08	0.205
2020-08-07	0.205
2020-11-06	0.205
2021-02-05	0.205
2021-05-07	0.22
2021-08-06	0.22
2021-11-05	0.22
2022-02-04	0.22

2022-05-06	0.23
------------	------

dividendsAAPL

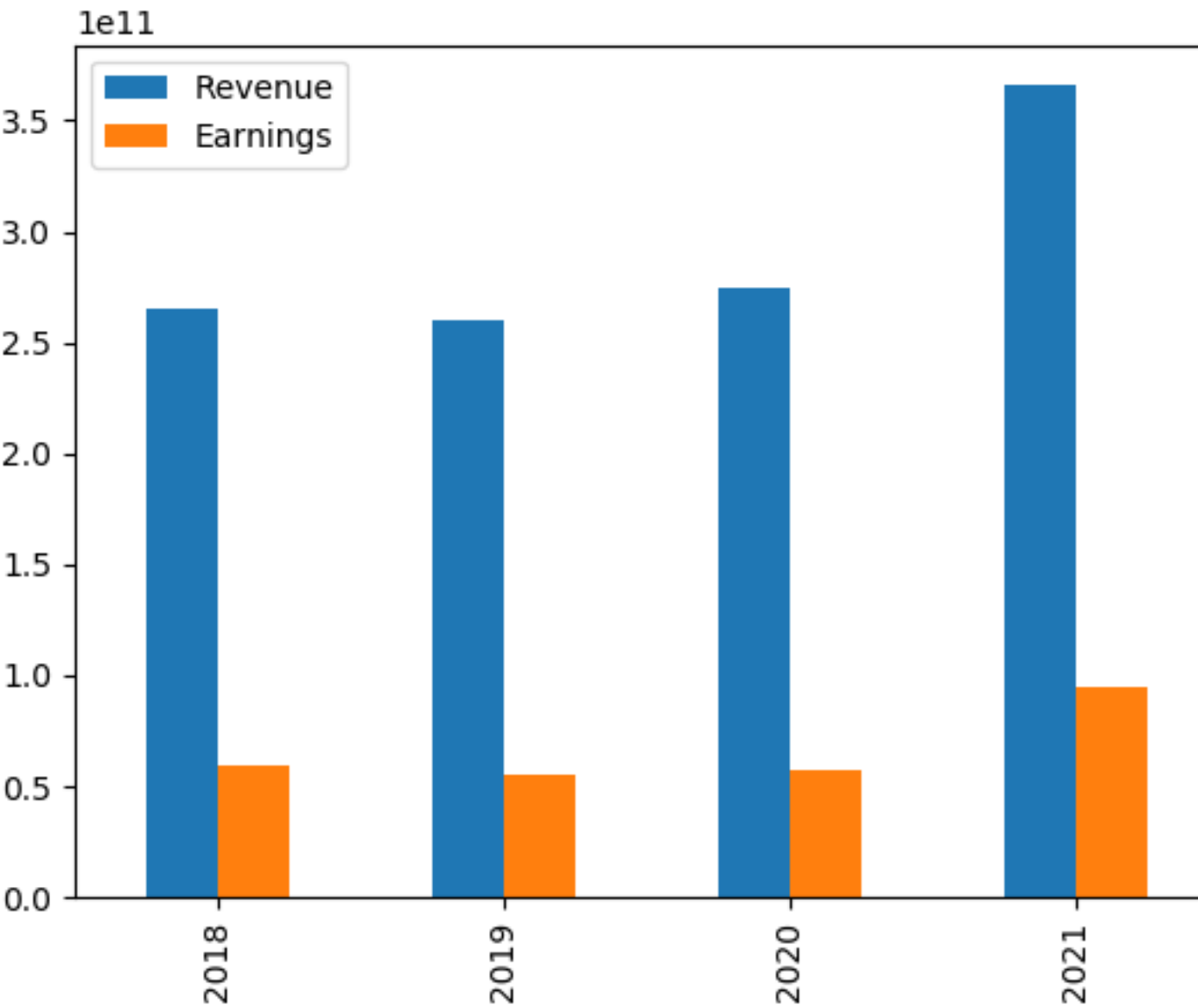
Date	Dividends
1987-05-11	0.00054
1987-08-10	0.00054
1987-11-17	0.00071
1988-02-12	0.00071
1988-05-16	0.00071
1988-08-15	0.00071
1988-11-21	0.00089
1989-02-17	0.00089
1989-05-22	0.00089
1989-08-21	0.00089
1989-11-17	0.00098
1990-02-16	0.00098
1990-05-21	0.00098
1990-08-20	0.00098
1990-11-16	0.00107

1991-02-15	0.00107
1991-05-20	0.00107
1991-08-19	0.00107
1991-11-18	0.00107
1992-02-14	0.00107
1992-06-01	0.00107
1992-08-17	0.00107
1992-11-30	0.00107
1993-02-12	0.00107
1993-05-28	0.00107
1993-08-16	0.00107
1993-11-19	0.00107
1994-02-07	0.00107
1994-05-27	0.00107
1994-08-15	0.00107
1994-11-18	0.00107
1995-02-13	0.00107
1995-05-26	0.00107
1995-08-16	0.00107

1995-11-21	0.00107
2012-08-09	0.09464
2012-11-07	0.09464
2013-02-07	0.09464
2013-05-09	0.10893
2013-08-08	0.10893
2013-11-06	0.10893
2014-02-06	0.10893
2014-05-08	0.1175
2014-08-07	0.1175
2014-11-06	0.1175
2015-02-05	0.1175
2015-05-07	0.13
2015-08-06	0.13
2015-11-05	0.13
2016-02-04	0.13
2016-05-05	0.1425
2016-08-04	0.1425
2016-11-03	0.1425

2017-02-09	0.1425
2017-05-11	0.1575
2017-08-10	0.1575
2017-11-10	0.1575
2018-02-09	0.1575
2018-05-11	0.1825
2018-08-10	0.1825
2018-11-08	0.1825
2019-02-08	0.1825
2019-05-10	0.1925
2019-08-09	0.1925
2019-11-07	0.1925
2020-02-07	0.1925
2020-05-08	0.205
2020-08-07	0.205
2020-11-06	0.205
2021-02-05	0.205
2021-05-07	0.22

earnings of AAPL



financialsAAPL

	2021-09-25	2020-09-26	2019-09-28	2018-09-29
Research Development	21914000000.0	18752000000.0	16217000000.0	14236000000.0
Effect Of Accounting Charges				
Income Before Tax	109207000000.0	67091000000.0	65737000000.0	72903000000.0

Minority Interest				
Net Income	94680000000.0	57411000000.0	55256000000.0	59531000000.0
Selling General Administrative	21973000000.0	19916000000.0	18245000000.0	16705000000.0
Gross Profit	152836000000.0	104956000000.0	98392000000.0	101830000000.0
Ebit	108949000000.0	66288000000.0	63930000000.0	70898000000.0
Operating Income	108949000000.0	66288000000.0	63930000000.0	70898000000.0
Other Operating Expenses				
Interest Expense	-2645000000.0	-2873000000.0	-3576000000.0	-3240000000.0
Extraordinary Items				
Non Recurring				
Other Items				
Income Tax Expense	14527000000.0	9680000000.0	10481000000.0	13372000000.0
Total Revenue	365817000000.0	274515000000.0	260174000000.0	265590000000.0
Total Operating Expenses	256868000000.0	208227000000.0	196244000000.0	194690000000.0
Cost Of Revenue	212981000000.0	169559000000.0	161782000000.0	163750000000.0
Total Other Income Expense Net	258000000.0	803000000.0	1807000000.0	2005000000.0
Discontinued Operations				
Net Income From Continuing Operations	94680000000.0	57411000000.0	55256000000.0	59531000000.0
Net Income Applicable To Common Shares	94680000000.0	57411000000.0	55256000000.0	59531000000.0



	2021-09-25	2020-09-26	2019-09-28	2018-
Research Development	21914000000.0	18752000000.0	16217000000.0	14236
Effect Of Accounting Charges				
Income Before Tax	109207000000.0	67091000000.0	65737000000.0	72903
Minority Interest				
Net Income	94680000000.0	57411000000.0	55256000000.0	59531
Selling General Administrative	21973000000.0	19916000000.0	18245000000.0	16705
Gross Profit	152836000000.0	104956000000.0	98392000000.0	10183
Ebit	108949000000.0	66288000000.0	63930000000.0	70898
Operating Income	108949000000.0	66288000000.0	63930000000.0	70898
Other Operating Expenses				
Interest Expense	-2645000000.0	-2873000000.0	-3576000000.0	-3240
Extraordinary Items				
Non Recurring				
Other Items				
Income Tax Expense	14527000000.0	9680000000.0	10481000000.0	13372
Total Revenue	365817000000.0	274515000000.0	260174000000.0	26559
Total Operating Expenses	256868000000.0	208227000000.0	196244000000.0	19469

Cost Of Revenue	212981000000.0	169559000000.0	161782000000.0	16375000000.0
Total Other Income Expense Net	258000000.0	803000000.0	1807000000.0	2005000000.0
Discontinued Operations				
Net Income From Continuing Ops	94680000000.0	57411000000.0	55256000000.0	59531000000.0
Net Income Applicable To Common Shares	94680000000.0	57411000000.0	55256000000.0	59531000000.0

quarterly\_balance\_sheetAAPL

	2022-03-26	2021-12-25	2021-09-25	2021-06-25
Total Liab	283263000000.0	309259000000.0	287912000000.0	265560000000.0
Total Stockholder Equity	67399000000.0	71932000000.0	63090000000.0	64280000000.0
Other Current Liab	58168000000.0	57043000000.0	53577000000.0	51306000000.0
Total Assets	350662000000.0	381191000000.0	351002000000.0	329840000000.0
Common Stock	61181000000.0	58424000000.0	57365000000.0	54989000000.0
Other Current Assets	15809000000.0	18112000000.0	14111000000.0	13641000000.0
Retained Earnings	12712000000.0	14435000000.0	5562000000.0	9233000000.0
Other Liab	52432000000.0	55056000000.0	43050000000.0	38354000000.0
Treasury Stock	-6494000000.0	-927000000.0	163000000.0	58000000.0
Other Assets	51959000000.0	50109000000.0	38762000000.0	44854000000.0
Cash	28098000000.0	37119000000.0	34940000000.0	34050000000.0

Total Current Liabilities	127508000000.0	147574000000.0	125481000000.0	10775
Short Long Term Debt	9659000000.0	11169000000.0	9613000000.0	80390
Other Stockholder Equity	-6494000000.0	-927000000.0	163000000.0	58000
Property Plant Equipment	39304000000.0	39245000000.0	49527000000.0	38615
Total Current Assets	118180000000.0	153154000000.0	134836000000.0	11442
Long Term Investments	141219000000.0	138683000000.0	127877000000.0	13194
Net Tangible Assets	67399000000.0	71932000000.0	63090000000.0	64280
Short Term Investments	23413000000.0	26794000000.0	27699000000.0	27646
Net Receivables	45400000000.0	65253000000.0	51506000000.0	33908
Long Term Debt	103323000000.0	106629000000.0	109106000000.0	10575
Inventory	5460000000.0	5876000000.0	6580000000.0	51780
Accounts Payable	52682000000.0	74362000000.0	54763000000.0	40409

quarterly\_balance\_sheetAAPL

	2022-03-26	2021-12-25	2021-09-25	2021-
Total Liab	283263000000.0	309259000000.0	287912000000.0	26556
Total Stockholder Equity	67399000000.0	71932000000.0	63090000000.0	64280
Other Current Liab	58168000000.0	57043000000.0	53577000000.0	51306
Total Assets	350662000000.0	381191000000.0	351002000000.0	32984

Common Stock	61181000000.0	58424000000.0	57365000000.0	54989
Other Current Assets	15809000000.0	18112000000.0	14111000000.0	13641
Retained Earnings	12712000000.0	14435000000.0	5562000000.0	92330
Other Liab	52432000000.0	55056000000.0	43050000000.0	38354
Treasury Stock	-6494000000.0	-927000000.0	163000000.0	58000
Other Assets	51959000000.0	50109000000.0	38762000000.0	44854
Cash	28098000000.0	37119000000.0	34940000000.0	34050
Total Current Liabilities	127508000000.0	147574000000.0	125481000000.0	10775
Short Long Term Debt	9659000000.0	11169000000.0	9613000000.0	80390
Other Stockholder Equity	-6494000000.0	-927000000.0	163000000.0	58000
Property Plant Equipment	39304000000.0	39245000000.0	49527000000.0	38615
Total Current Assets	118180000000.0	153154000000.0	134836000000.0	11442
Long Term Investments	141219000000.0	138683000000.0	127877000000.0	13194
Net Tangible Assets	67399000000.0	71932000000.0	63090000000.0	64280
Short Term Investments	23413000000.0	26794000000.0	27699000000.0	27646
Net Receivables	45400000000.0	65253000000.0	51506000000.0	33908
Long Term Debt	103323000000.0	106629000000.0	109106000000.0	10575
Inventory	5460000000.0	5876000000.0	6580000000.0	51780
Accounts Payable	52682000000.0	74362000000.0	54763000000.0	40409

	2022-03-26	2021-12-25	2021-09-25	2021-06-25
Investments	-6390000000.0	-12929000000.0	4608000000.0	5747000000.0
Change To Liabilities	-21398000000.0	20275000000.0	14050000000.0	30700000000.0
Total Cashflows From Investing Activities	-9250000000.0	-16106000000.0	8350000000.0	35720000000.0
Net Borrowings	-1751000000.0	-1000000000.0	3220000000.0	3220000000.0
Total Cash From Financing Activities	-2051000000.0	-28159000000.0	-20382000000.0	-29390000000.0
Change To Operating Activities	-9486000000.0	-10497000000.0	-5602000000.0	-6048000000.0
Net Income	25010000000.0	34630000000.0	20551000000.0	21744000000.0
Change In Cash	-9450000000.0	2701000000.0	653000000.0	-4730000000.0
Repurchase Of Stock	-22961000000.0	-23366000000.0	-20449000000.0	-25590000000.0
Total Cash From Operating Activities	28166000000.0	46966000000.0	20200000000.0	21094000000.0
Depreciation	2737000000.0	2697000000.0	2989000000.0	2832000000.0
Other Cashflows From Investing Activities	-940000.0	-374000000.0	-530000000.0	-780000000.0
Dividends Paid	-3595000000.0	-3732000000.0	-3640000000.0	-3767000000.0
Change To Inventory	384000000.0	681000000.0	-1429000000.0	1300000000.0
Change To Account Receivables	6476000000.0	-3934000000.0	-8809000000.0	10310000000.0
Other Cashflows From Financing Activities	-400000.0	-61000000.0	-57000000.0	-34000000.0
Change To Netincome	2471000000.0	3114000000.0	-1550000000.0	1215000000.0

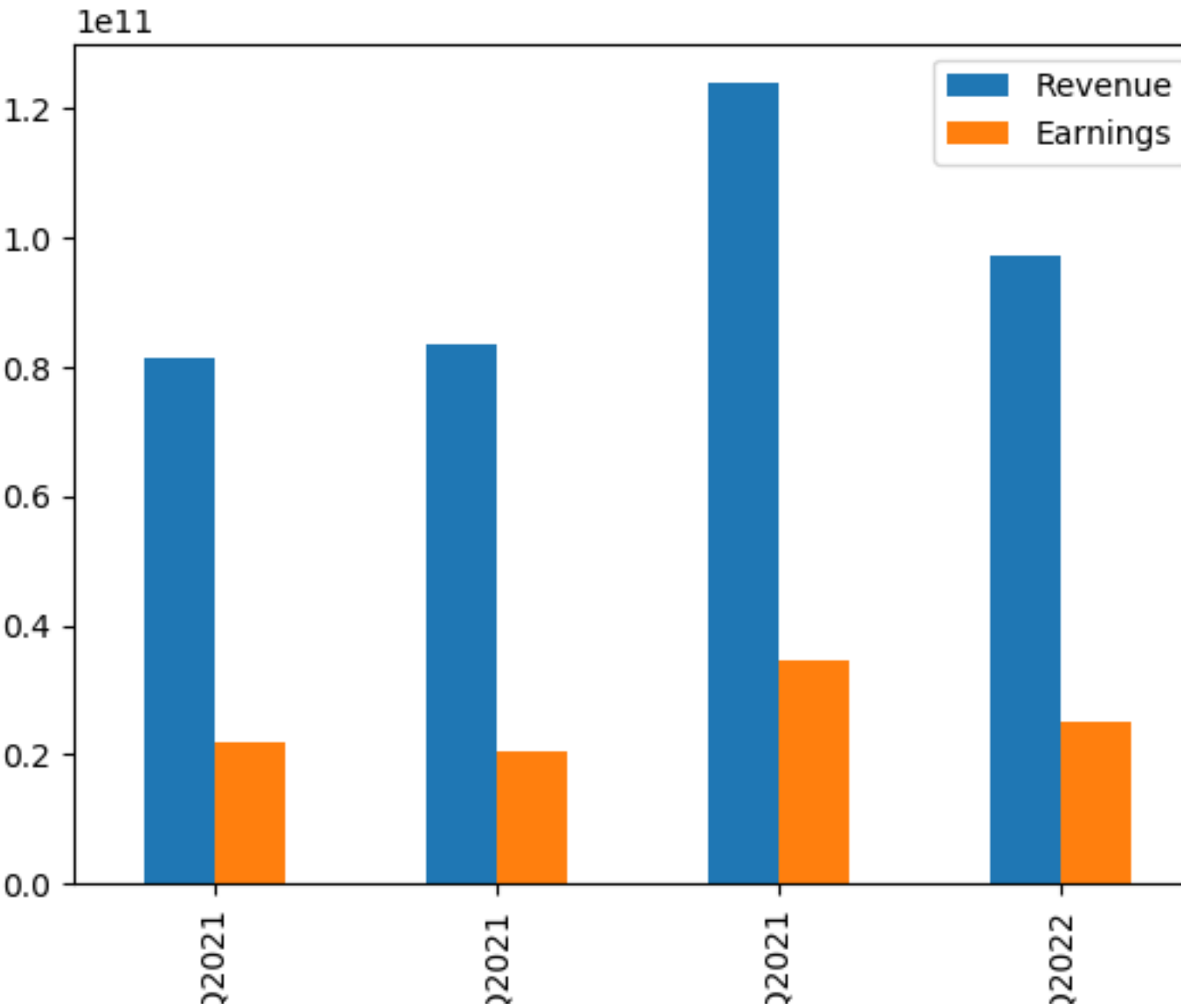
Capital Expenditures	-2514000000.0	-2803000000.0	-3223000000.0	-2093
Issuance Of Stock			544000000.0	54400

quarterly\_cashflowAAPL

	2022-03-26	2021-12-25	2021-09-25	2021-
Investments	-6390000000.0	-12929000000.0	4608000000.0	57470
Change To Liabilities	-21398000000.0	20275000000.0	14050000000.0	30700
Total Cashflows From Investing Activities	-9250000000.0	-16106000000.0	835000000.0	35720
Net Borrowings	-1751000000.0	-1000000000.0	3220000000.0	32200
Total Cash From Financing Activities	-2051000000.0	-28159000000.0	-20382000000.0	-2939
Change To Operating Activities	-9486000000.0	-10497000000.0	-5602000000.0	-6048
Net Income	25010000000.0	34630000000.0	20551000000.0	21744
Change In Cash	-9450000000.0	2701000000.0	653000000.0	-4730
Repurchase Of Stock	-22961000000.0	-23366000000.0	-20449000000.0	-2559
Total Cash From Operating Activities	20160000000.0	46966000000.0	20200000000.0	21094
Depreciation	2737000000.0	2697000000.0	2989000000.0	28320
Other Cashflows From Investing Activities	-9400000.0	-374000000.0	-530000000.0	-7800
Dividends Paid	-3595000000.0	-3732000000.0	-3640000000.0	-3767
Change To Inventory	384000000.0	681000000.0	-1429000000.0	13000

Change To Account Receivable	6476000000.0	-3934000000.0	-8809000000.0	10310000000.0
Other Cashflows From Financing	44000000.0	-61000000.0	-57000000.0	-34000000.0
Change To Netincome	2471000000.0	3114000000.0	-1550000000.0	1215000000.0
Capital Expenditures	-2514000000.0	-2803000000.0	-3223000000.0	-2093000000.0
Issuance Of Stock			544000000.0	544000000.0

quarterly\_earnings of AAPL



	2022-03-26	2021-12-25	2021-09-25	2021-06-25
Research Development	6387000000.0	6306000000.0	5772000000.0	5717000000.0
Effect Of Accounting Charges				
Income Before Tax	30139000000.0	41241000000.0	23248000000.0	24369000000.0
Minority Interest				
Net Income	25010000000.0	34630000000.0	20551000000.0	21744000000.0
Selling General Administrative	6193000000.0	6449000000.0	5616000000.0	5412000000.0
Gross Profit	42559000000.0	54243000000.0	35174000000.0	35255000000.0
Ebit	29979000000.0	41488000000.0	23786000000.0	24126000000.0
Operating Income	29979000000.0	41488000000.0	23786000000.0	24126000000.0
Other Operating Expenses				
Interest Expense	-691000000.0	-694000000.0	-672000000.0	-665000000.0
Extraordinary Items				
Non Recurring				
Other Items				
Income Tax Expense	5129000000.0	6611000000.0	2697000000.0	2625000000.0
Total Revenue	97278000000.0	123945000000.0	83360000000.0	81434000000.0
Total Operating Expenses	67299000000.0	82457000000.0	59574000000.0	57308000000.0



Cost Of Revenue	54719000000.0	69702000000.0	48186000000.0	46179
Total Other Income Expense Net	1800000000.0	-2470000000.0	-5380000000.0	24300
Discontinued Operations				
Net Income From Continuing Ops	25010000000.0	34630000000.0	20551000000.0	21744
Net Income Applicable To Common Shares	25010000000.0	34630000000.0	20551000000.0	21744

quarterly\_financialsAAPL

	2022-03-26	2021-12-25	2021-09-25	2021-
Research Development	6387000000.0	6306000000.0	5772000000.0	57170
Effect Of Accounting Charges				
Income Before Tax	30139000000.0	41241000000.0	23248000000.0	24369
Minority Interest				
Net Income	25010000000.0	34630000000.0	20551000000.0	21744
Selling General Administrative	6193000000.0	6449000000.0	5616000000.0	54120
Gross Profit	42559000000.0	54243000000.0	35174000000.0	35255
Ebit	29979000000.0	41488000000.0	23786000000.0	24126
Operating Income	29979000000.0	41488000000.0	23786000000.0	24126
Other Operating Expenses				
Interest Expense	-691000000.0	-694000000.0	-672000000.0	-6650

Extraordinary Items				
Non Recurring				
Other Items				
Income Tax Expense	5129000000.0	6611000000.0	2697000000.0	2625000000.0
Total Revenue	97278000000.0	123945000000.0	83360000000.0	81434000000.0
Total Operating Expenses	67299000000.0	82457000000.0	59574000000.0	57308000000.0
Cost Of Revenue	54719000000.0	69702000000.0	48186000000.0	46179000000.0
Total Other Income Expense	1100000000.0	-247000000.0	-538000000.0	243000000.0
Discontinued Operations				
Net Income From Continuing Operations	25510000000.0	34630000000.0	20551000000.0	21744000000.0
Net Income Applicable To Common Shares	25510000000.0	34630000000.0	20551000000.0	21744000000.0

recommendationsAAPL

Date	Firm	To Grade	From Grade	Action
2012-02-09 08:17:00	Canaccord Genuity	Buy		main
2012-03-08 07:33:00	FBN Securities	Outperform		main
2012-03-13 06:08:00	Jefferies	Buy		main
2012-03-14 06:13:00	Morgan Stanley	Overweight		main
2012-03-14 08:21:00	Canaccord Genuity	Buy		main

2012-03-14 15:25:00	Oxen Group	Buy		init
2012-03-15 07:53:00	PiperJaffray	Overweight		main
2012-03-16 06:53:00	Oppenheimer	Outperform		main
2012-03-16 13:53:00	UBS	Buy		main
2012-03-19 07:24:00	Wedbush	Outperform		main
2012-03-19 09:53:00	FBN Securities	Outperform		main
2012-03-19 14:25:00	Goldman Sachs	Buy		main
2012-03-19 14:59:00	Morgan Keegan	Outperform		main
2012-03-20 06:10:00	Sterne Agee	Buy		main
2012-03-20 06:53:00	Citigroup	Buy		main
2012-03-21 08:43:00	Scotiabank	Sector Perform		main
2012-03-21 14:31:00	Hilliard Lyons	Buy		main
2012-03-21 14:33:00	Crowell, Weedon & Co.	Buy		main
2012-03-30 07:16:00	BMO Capital	Outperform		main
2012-04-03 07:01:00	PiperJaffray	Overweight		main
2012-04-03 07:06:00	JP Morgan	Overweight		main
2012-04-05 06:25:00	Jefferies	Buy		main
2012-04-09 07:00:00	BTIG Research	Neutral		down
2012-04-11 06:42:00	Sterne Agee	Buy		main

2012-04-12 06:00:00	Credit Suisse	Outperform		main
2012-04-13 06:49:00	Bank of America	Buy		main
2012-04-18 06:23:00	Goldman Sachs	Buy		main
2012-04-19 06:15:00	Canaccord Genuity	Buy		main
2012-04-25 06:04:00	Deutsche Bank	Buy		main
2012-04-25 06:42:00	Goldman Sachs	Buy		main
2012-04-25 06:50:00	Citigroup	Buy		main
2012-04-25 06:59:00	Wedbush	Outperform		main
2012-04-25 07:33:00	FBN Securities	Outperform		main
2012-04-25 07:40:00	Canaccord Genuity	Buy		main
2012-04-25 09:00:00	Societe Generale	Buy		up
2012-04-25 09:19:00	ISI Group	Buy		main
2012-04-25 09:22:00	Sterne Agee	Buy		main
2012-04-25 09:36:00	Bank of America	Buy		main
2012-04-26 08:51:00	Hilliard Lyons	Buy		main
2012-04-26 09:04:00	Scotiabank	Sector Outperform		up
2012-06-04 07:09:00	Crowell, Weedon & Co.	Buy		main
2012-07-11 07:03:00	UBS	Buy		init
2012-07-25 06:46:00	Morgan Stanley	Overweight		main

2012-07-25 07:35:00	Goldman Sachs	Buy		main
2012-07-25 07:48:00	Raymond James	Outperform	Strong Buy	down
2012-07-25 07:53:00	Bank of America	Buy		main
2012-07-25 08:05:00	BMO Capital	Outperform		main
2012-08-09 08:35:00	Stifel Nicolaus	Buy		init
2012-08-17 07:16:00	Jefferies	Buy		main
2012-08-21 11:40:00	Oracle Investment Research	Hold	Buy	down
2012-08-22 07:36:00	Needham	Buy		main
2012-08-27 06:25:00	Oppenheimer	Outperform		main
2012-08-27 06:27:00	Bank of America	Buy		main
2012-09-04 07:04:00	Wedbush	Outperform		main
2012-09-05 06:57:00	JP Morgan	Overweight		main
2012-09-06 06:37:00	Societe Generale	Buy		main
2012-09-10 11:05:00	Monness Crespi Hardt	Buy		init
2012-09-12 07:51:00	Hudson Square	Buy		main
2012-09-13 06:18:00	Sterne Agee	Buy		main
2012-09-13 06:22:00	Goldman Sachs	Buy		main
2012-09-13 10:57:00	UBS	Buy		main
2012-09-13 11:56:00	Barclays	Overweight		main

2012-09-14 11:07:00	Hilliard Lyons	Buy		main
2012-09-17 09:12:00	BMO Capital	Outperform		main
2012-09-18 06:05:00	Sterne Agee	Buy		main
2012-09-18 07:33:00	Bank of America	Buy		main
2012-09-21 07:16:00	Deutsche Bank	Buy		main
2012-10-09 08:14:00	Nomura	Neutral		init
2012-10-24 08:21:00	Canaccord Genuity	Buy		main
2012-10-24 12:11:00	Barclays	Overweight		main
2012-10-26 07:39:00	Nomura	Neutral		main
2012-10-26 07:59:00	FBN Securities	Outperform		main
2012-10-26 08:05:00	Deutsche Bank	Buy		main
2012-11-01 09:40:00	Oracle Investment Research	Buy	Hold	up
2012-11-09 10:58:00	Avondale Partners	Market Perform		init
2012-11-19 11:09:00	Bank of America	Buy		main
2012-11-26 06:49:00	Citigroup	Buy		init
2012-12-03 10:31:41	ABG Sundal Collier			init
2012-12-05 10:02:22	Oracle Investment Research	Strong Buy	Buy	up
2012-12-10 08:00:15	Jefferies	Buy		main
2012-12-14 09:32:14	UBS	Buy		main

2012-12-17 05:57:53	Citigroup	Neutral	Buy	down
2012-12-17 07:53:22	BMO Capital	Outperform		main
2012-12-17 08:21:23	Pacific Crest	Outperform		main
2012-12-17 10:31:38	Mizuho	Buy		main
2012-12-17 12:41:06	Canaccord Genuity			reit
2013-01-07 08:51:09	Barclays	Overweight		main
2013-01-10 09:57:33	PiperJaffray	Overweight		main
2013-01-11 08:55:26	Credit Agricole	Buy		main
2013-01-15 08:07:22	Nomura	Neutral		main
2013-01-16 07:42:54	Pacific Crest	Sector Perform	Outperform	down
2013-01-16 07:47:06	Stifel	Buy		main
2013-01-16 07:48:01	Bank of America	Buy		main
2013-01-16 08:33:09	Stifel	Buy		main
2013-01-16 19:09:20	BGC Financial	Hold		main
2013-01-17 08:29:47	JP Morgan	Overweight		main
2013-01-17 08:47:27	BMO Capital	Outperform		main
2013-01-22 07:22:39	UBS	Buy		main
2013-01-22 07:24:27	Scotiabank	Sector Outperform		main
2013-01-24 06:26:12	Jefferies	Hold	Buy	down

2013-01-24 06:53:32	Oracle Investment Research	Strong Buy		main
2013-01-24 07:15:17	Credit Suisse	Outperform		main
2013-01-24 07:30:29	Deutsche Bank	Buy		main
2013-01-24 07:42:11	BMO Capital	Outperform		main
2013-01-24 07:52:28	Nomura	Neutral		main
2013-01-24 08:05:13	Stifel Nicolaus	Buy		main
2013-01-24 08:50:30	RBC Capital	Outperform		main
2013-01-24 08:51:41	Barclays	Overweight		main
2013-01-24 08:52:42	Credit Agricole	Buy		main
2013-01-24 08:53:45	PiperJaffray	Overweight		main
2013-01-24 08:55:35	Canaccord Genuity	Buy		main
2013-01-24 08:56:35	Sterne Agee	Buy		main
2013-01-24 09:13:01	Janney Capital	Buy		main
2013-01-24 09:18:26	Goldman Sachs	Buy		main
2013-01-24 09:19:32	Societe Generale	Buy		main
2013-01-24 09:39:18	UBS	Buy		main
2013-01-24 10:47:47	BGC Financial	Hold		main
2013-01-24 15:08:56	Hilliard Lyons	Long-term Buy	Buy	down
2013-01-24 15:17:07	FBN Securities	Outperform		main



2013-01-28 08:00:04	Baird	Market Perform	Outperform	down
2013-02-25 07:49:03	Needham	Buy		main
2013-03-05 09:40:01	Cleveland Research	Neutral	Buy	down
2013-03-06 07:33:06	Berenberg	Sell	Buy	down
2013-03-06 07:49:02	Citigroup	Neutral		main
2013-03-12 06:32:29	Jefferies	Hold		main
2013-03-14 07:53:43	BTIG Research	Buy	Neutral	up
2013-03-15 07:38:31	Sterne Agee	Buy		main
2013-03-20 08:22:13	Canaccord Genuity	Buy		main
2013-03-26 08:14:26	Oppenheimer	Outperform		main
2013-04-02 06:09:51	Goldman Sachs	Buy		main
2013-04-12 09:11:52	RBC Capital	Outperform		main
2013-04-16 08:01:37	Stifel Nicolaus	Buy		main
2013-04-16 09:32:58	PiperJaffray	Overweight		main
2013-04-18 07:25:10	BMO Capital	Outperform		main
2013-04-18 08:13:47	Janney Capital	Buy		main
2013-04-19 08:09:53	Standpoint	Buy		init
2013-04-19 08:10:24	Barclays	Overweight		main
2013-04-22 08:04:48	Avondale Partners	Market Outperform	Market Perform	up

2013-04-22 08:16:01	BMO Capital	Outperform		main
2013-04-22 08:22:21	BGC Financial	Buy	Hold	up
2013-04-22 08:51:09	Monness Crespi Hardt	Buy		main
2013-04-23 08:14:44	FBR Capital	Outperform		main
2013-04-24 06:43:34	BMO Capital	Market Perform	Outperform	down
2013-04-24 07:14:59	Citigroup	Neutral		main
2013-04-24 07:20:38	FBN Securities	Outperform		main
2013-04-24 07:58:34	Credit Suisse	Outperform		main
2013-04-24 08:07:59	Nomura	Neutral		main
2013-04-24 09:00:49	Societe Generale	Buy		main
2013-04-24 10:05:00	Ameriprise Financial	Buy		init
2013-04-24 10:06:43	Hilliard Lyons	Buy	Long-Term Buy	up
2013-04-25 11:48:41	Hamburger Sparkasse	Hold	Buy	down
2013-04-25 13:29:26	ABG Sundal Collier	Hold	Sell	up
2013-05-06 07:25:45	Barclays	Overweight		main
2013-05-15 17:22:39	Susquehanna	Neutral		init
2013-06-24 08:25:43	Jefferies	Hold		main
2013-06-24 08:39:43	BMO Capital	Market Perform		main
2013-07-01 07:38:01	Raymond James	Strong Buy	Outperform	up

2013-07-22 09:36:21	BMO Capital	Market Perform		main
2013-07-24 07:19:29	Goldman Sachs	Buy		main
2013-07-24 07:21:57	Bank of America	Buy		main
2013-07-24 09:22:10	Stifel Nicolaus	Buy		main
2013-07-24 09:33:11	BMO Capital	Outperform	Market Perform	up
2013-08-01 06:26:24	Jefferies	Hold		main
2013-08-02 13:18:48	Standpoint Research	Hold	Buy	down
2013-08-12 08:38:24	Needham	Buy		main
2013-08-15 07:49:45	RBC Capital	Outperform		main
2013-08-21 07:10:40	UBS	Buy		main
2013-09-04 06:50:31	Cantor Fitzgerald	Buy		init
2013-09-06 08:50:07	Evercore Partners	Overweight		main
2013-09-09 07:26:59	FBN Securities	Outperform		main
2013-09-11 06:21:48	Bank of America	Neutral	Buy	down
2013-09-11 07:24:16	Nomura	Neutral		main
2013-09-11 07:40:30	UBS	Neutral	Buy	down
2013-09-11 07:55:42	Canaccord Genuity	Buy		main
2013-09-11 07:56:40	PiperJaffray	Overweight		main
2013-09-11 07:57:25	Oppenheimer	Outperform		main

2013-09-11 08:51:50	Credit Suisse	Neutral	Outperform	down
2013-09-13 06:38:24	Jefferies	Hold		main
2013-09-23 10:01:59	FBN Securities	Outperform		main
2013-09-23 11:26:38	Societe Generale	Hold	Buy	down
2013-09-24 06:44:30	Barclays	Overweight		main
2013-09-24 07:47:20	Susquehanna	Positive	Neutral	up
2013-09-27 09:01:05	Monness Crespi Hardt	Buy		main
2013-10-04 07:24:45	BMO Capital	Outperform		main
2013-10-07 06:21:59	Jefferies	Buy	Hold	up
2013-10-14 09:09:17	Mizuho	Buy		main
2013-10-21 06:21:57	Societe Generale	Buy	Hold	up
2013-10-23 07:47:12	Nomura	Neutral		main
2013-10-23 08:34:20	Wells Fargo	Outperform		main
2013-10-29 06:26:11	BMO Capital	Outperform		main
2013-10-29 06:28:59	Goldman Sachs	Buy		main
2013-10-29 06:29:58	Baird	Outperform	Neutral	up
2013-10-29 06:57:25	Citigroup	Neutral		main
2013-10-29 08:09:08	Nomura	Neutral		main
2013-10-29 08:13:31	Monness Crespi Hardt	Buy		main

2013-10-29 08:15:37	Stifel Nicolaus	Buy		main
2013-10-29 09:01:31	Wells Fargo	Outperform		main
2013-10-29 09:03:13	Jefferies	Buy		main
2013-10-29 11:35:03	Deutsche Bank	Buy		main
2013-10-29 11:37:32	PiperJaffray	Overweight		main
2013-10-29 11:46:28	Canaccord Genuity	Buy		main
2013-11-14 08:20:08	Canaccord Genuity	Buy		main
2013-11-18 09:37:37	Susquehanna	Positive		main
2013-11-25 10:39:25	Wells Fargo	Outperform		main
2013-11-29 09:25:40	Cantor Fitzgerald	Buy		main
2013-12-02 09:33:59	UBS	Buy	Neutral	up
2013-12-03 16:00:00	UBS	Buy	Neutral	up
2013-12-06 08:33:09	Citigroup	Neutral		main
2013-12-10 16:00:00	Bank of America	Neutral		main
2013-12-12 16:00:00	Canaccord Genuity	Buy		main
2013-12-16 16:00:00	Morgan Stanley	Overweight		main
2013-12-19 08:32:40	Monness Crespi Hardt	Buy		main
2013-12-19 16:00:00	JP Morgan	Overweight		main
2013-12-23 16:00:00	FBN Securities	Outperform		main

2014-01-02 16:00:00	Wells Fargo	Market Perform	Outperform	down
2014-01-06 06:22:30	Standpoint	Sell	Hold	down
2014-01-21 16:00:00	Societe Generale	Hold	Buy	down
2014-01-27 16:00:00	BGC Financial	Hold	Buy	down
2014-01-28 07:55:03	Nomura	Neutral		main
2014-01-28 08:00:00	Barclays	Overweight		main
2014-01-28 16:00:00	Hilliard Lyons	Long-Term Buy	Buy	down
2014-02-14 06:38:53	Bank of America	Neutral		main
2014-02-20 07:24:13	Barclays	Equal-weight	Overweight	down
2014-03-03 07:56:38	Canaccord Genuity	Buy		main
2014-03-11 08:00:00	Pacific Crest	Outperform	Sector Perform	up
2014-03-21 08:33:38	Macquarie	Outperform		init
2014-04-10 07:19:06	Deutsche Bank	Buy		init
2014-04-24 00:28:54	Barclays	Equal-Weight		main
2014-04-24 01:00:57	Canaccord Genuity	Buy		main
2014-04-24 01:00:59	Citigroup	Hold		main
2014-04-24 01:40:01	Credit Suisse	Neutral		main
2014-04-24 03:12:25	Pacific Crest	Outperform		main
2014-04-24 06:49:30	Bank of America	Neutral		main

2014-04-24 07:31:19	Nomura	Neutral		main
2014-04-24 08:00:00	CLSA	Buy	Outperform	up
2014-05-06 08:04:37	RBC Capital	Outperform		main
2014-05-28 07:48:25	Bernstein	Outperform		main
2014-05-28 07:49:33	Barclays	Equal-Weight		main
2014-05-29 06:33:11	Bank of America	Neutral		main
2014-05-29 21:54:11	Baird	Outperform		main
2014-05-29 22:50:32	UBS	Buy		main
2014-06-03 19:24:02	Canaccord Genuity	Buy		main
2014-06-03 19:24:03	Credit Suisse	Neutral		main
2014-06-09 19:59:16	Stifel Nicolaus	Buy		main
2014-06-10 20:27:36	Barclays	Equal-Weight		main
2014-06-10 20:27:39	Citigroup	Neutral		main
2014-06-11 07:21:11	Monness Crespi Hardt	Buy		main
2014-06-11 20:37:58	Deutsche Bank	Buy		main
2014-06-13 20:03:56	Raymond James	Outperform		main
2014-06-17 11:51:42	Societe Generale	Buy	Hold	up
2014-06-25 19:19:31	Credit Suisse	Neutral		main
2014-07-02 07:07:53	Evercore Partners	Overweight		main

2014-07-11 19:36:09	Canaccord Genuity	Buy		main
2014-07-14 06:55:58	Barclays	Overweight	Equal-weight	up
2014-07-14 07:14:56	Morgan Stanley	Overweight		main
2014-07-21 08:24:36	JMP Securities	Market Outperform	Market Perform	up
2014-07-21 20:08:46	UBS	Buy		main
2014-07-23 22:19:42	Macquarie	Outperform		main
2014-07-23 22:19:44	Nomura	Neutral		main
2014-07-23 22:36:56	Raymond James	Outperform		main
2014-09-02 09:00:00	Nomura	Neutral		main
2014-09-10 05:47:10	Pacific Crest	Sector Perform	Outperform	down
2014-09-10 05:59:13	Goldman Sachs	Buy		main
2014-09-10 08:00:00	Wells Fargo	Market Perform		main
2014-09-10 09:00:00	Barclays	Overweight		main
2014-09-30 06:00:21	Jefferies	Hold		init
2014-10-02 09:00:00	Citigroup	Buy		main
2014-10-03 08:00:00	Deutsche Bank	Hold	Buy	down
2014-10-07 08:30:00	Susquehanna	Positive		main
2014-10-09 09:00:00	Oppenheimer	Outperform	Market Perform	up
2014-10-14 16:00:00	Credit Suisse	Neutral		main



2014-10-21 08:30:00	Barclays	Overweight		main
2014-11-18 08:14:56	Oppenheimer	Outperform		main
2014-11-19 07:47:54	Jefferies	Hold		main
2014-11-20 16:54:45	Morgan Stanley	Overweight		main
2014-11-25 08:34:38	Stifel Nicolaus	Buy		main
2014-12-01 05:08:52	Barclays	Overweight		main
2014-12-02 05:21:52	Canaccord Genuity	Buy		main
2014-12-03 00:00:00	JMP Securities	Market Outperform		main
2014-12-08 09:00:00	Citigroup	Buy		main
2015-01-13 00:00:00	Credit Suisse	Outperform	Neutral	up
2015-01-15 00:00:00	Mizuho	Neutral	Buy	down
2015-01-16 04:56:01	Societe Generale	Buy	Buy	main
2015-01-16 05:25:14	RBC Capital	Outperform	Outperform	main
2015-01-28 04:52:21	RBC Capital	Outperform	Outperform	main
2015-01-28 04:54:10	Cowen & Co.	Outperform	Outperform	main
2015-01-28 04:54:56	Evercore ISI Group	Buy	Buy	main
2015-01-28 04:55:46	Deutsche Bank	Hold	Hold	main
2015-01-28 04:56:23	Jefferies	Hold	Hold	main
2015-01-28 04:57:02	BMO Capital	Outperform	Outperform	main

2015-01-28 09:00:00	JP Morgan	Overweight		main
2015-02-11 09:00:00	JP Morgan	Overweight		main
2015-02-20 04:44:43	Goldman Sachs			main
2015-02-24 21:19:47	Stifel Nicolaus	Buy		main
2015-02-25 09:00:00	Stifel Nicolaus	Buy		main
2015-03-02 04:32:32	Morgan Stanley	Overweight		main
2015-03-03 05:29:29	Oppenheimer	Outperform		main
2015-03-09 07:14:51	Macquarie	Outperform		main
2015-03-10 04:48:05	Evercore ISI Group	Buy		main
2015-03-10 07:44:50	Monness Crespi Hardt	Buy		main
2015-03-10 09:00:00	Nomura	Neutral		main
2015-03-18 05:04:04	Jefferies	Hold		main
2015-03-23 05:32:37	Cowen & Co.	Outperform		main
2015-03-26 04:51:33	Credit Suisse	Outperform	Outperform	main
2015-03-31 09:00:00	RBC Capital	Outperform		main
2015-04-08 04:51:42	Societe Generale	Hold	Buy	down
2015-04-10 06:09:07	Raymond James	Market Perform	Outperform	down
2015-04-16 05:56:50	Maxim Group	Hold		init
2015-04-17 17:06:35	FBR Capital	Outperform		init

2015-04-27 05:18:51	Brean Capital	Buy		init
2015-04-27 05:19:47	Jefferies	Hold		main
2015-04-27 09:00:00	Jefferies	Hold		main
2015-07-22 06:25:34	Cowen & Co.	Market Perform	Outperform	down
2015-07-30 18:09:33	Nomura	Buy		init
2015-08-05 06:22:49	Bank of America	Neutral	Buy	down
2015-08-25 06:22:58	Wells Fargo	Outperform	Market Perform	up
2015-09-09 09:16:46	Rosenblatt	Buy		init
2015-09-21 06:07:17	Canaccord Genuity	Buy		main
2015-09-28 16:26:28	Sterne Agee CRT	Buy		init
2015-10-01 18:52:45	Drexel Hamilton	Buy		init
2015-10-11 16:54:21	Morgan Stanley	Overweight		main
2015-10-14 16:25:56	Barclays	Overweight		init
2015-10-23 07:30:25	Maxim Group	Buy	Neutral	up
2015-10-28 04:19:00	Barclays	Overweight		main
2015-10-28 04:36:53	Morgan Stanley	Overweight		main
2015-10-28 05:42:59	Pacific Crest	Overweight	Sector Weight	up
2015-10-28 07:58:05	Credit Suisse	Outperform		main
2015-11-18 06:39:39	Goldman Sachs	Buy		main

2015-12-11 07:19:24	BMO Capital	Outperform		init
2015-12-14 06:06:30	Barclays	Overweight		main
2015-12-22 10:28:54	Cowen & Co.	Market Perform		main
2016-01-07 12:25:19	RBC Capital	Outperform		main
2016-01-08 07:27:30	Pacific Crest	Overweight		main
2016-01-08 08:28:11	Canaccord Genuity	Buy		main
2016-01-11 06:10:00	Mizuho	Buy	Neutral	up
2016-01-11 09:57:45	Oppenheimer	Outperform		main
2016-01-11 14:19:25	Deutsche Bank	Hold		main
2016-01-12 06:28:03	Bank of America	Buy		up
2016-01-27 05:31:59	Barclays	Overweight		main
2016-01-27 05:41:03	FBR Capital	Outperform		main
2016-01-27 06:23:33	PiperJaffray	Overweight		main
2016-03-07 05:22:37	Pacific Crest	Overweight		main
2016-03-10 09:49:39	CLSA	Buy		main
2016-03-30 06:10:00	Cowen & Co.	Outperform	Market Perform	up
2016-04-04 05:46:52	Brean Capital	Buy		main
2016-04-04 06:46:39	Credit Suisse	Outperform		main
2016-04-06 06:30:46	Needham	Strong Buy		init

2016-04-07 07:09:24	BTIG Research	Buy		main
2016-04-20 04:24:21	Barclays	Overweight		main
2016-04-26 23:03:24	BTIG Research	Buy		main
2016-04-26 23:15:30	PiperJaffray	Overweight		main
2016-04-27 05:56:26	Brean Capital	Buy		main
2016-04-27 06:14:02	Barclays	Overweight		main
2016-04-27 06:14:46	Citigroup	Buy		main
2016-04-27 07:16:24	Oppenheimer	Perform	Outperform	down
2016-04-27 07:17:02	Macquarie	Buy		main
2016-04-27 07:17:22	Goldman Sachs	Buy		main
2016-04-27 07:29:54	Cowen & Co.	Outperform		main
2016-04-27 08:14:39	Maxim Group	Buy		main
2016-04-27 08:24:53	Baird	Outperform		main
2016-04-27 08:25:30	Pacific Crest	Overweight		main
2016-04-27 08:26:14	Morgan Stanley	Overweight		main
2016-04-27 09:02:45	CLSA	Buy		main
2016-04-27 10:16:15	Nomura	Buy		main
2016-04-27 10:17:12	PiperJaffray	Overweight		main
2016-04-27 10:24:33	RBC Capital	Outperform		main

2016-05-11 06:50:28	UBS	Buy		main
2016-06-02 03:58:13	Goldman Sachs	Buy		main
2016-07-06 08:10:08	Longbow Research	Buy		init
2016-07-15 07:01:44	Barclays	Overweight		main
2016-07-26 06:04:59	UBS	Buy		main
2016-07-27 04:28:35	BTIG Research	Buy		main
2016-07-27 05:54:14	UBS	Buy		main
2016-07-27 05:55:00	Brean Capital	Buy		main
2016-07-27 06:25:53	Raymond James	Outperform	Market Perform	up
2016-07-27 06:34:00	Credit Suisse	Outperform		main
2016-07-27 06:36:37	Morgan Stanley	Overweight		main
2016-07-27 07:48:56	RBC Capital	Outperform		main
2016-07-27 07:51:02	Drexel Hamilton	Buy		main
2016-07-27 08:02:35	BMO Capital	Outperform		main
2016-07-27 12:06:12	Citigroup	Buy		main
2016-07-27 14:01:49	JP Morgan	Overweight		main
2016-07-28 06:14:58	Hilliard Lyons	Buy	Long-Term Buy	up
2016-08-02 06:36:59	Daiwa Capital	Outperform	Buy	down
2016-08-11 12:29:48	RBC Capital	Outperform		main

2016-09-08 04:53:08	Wells Fargo	Market Perform	Outperform	down
2016-09-08 06:15:16	Morgan Stanley	Overweight		main
2016-09-08 06:15:32	Citigroup	Buy		main
2016-09-08 06:15:49	UBS	Buy		main
2016-09-08 06:16:25	Goldman Sachs	Buy		main
2016-09-08 06:18:26	Drexel Hamilton	Buy		main
2016-09-08 07:38:07	Bernstein	Outperform		main
2016-09-08 07:38:21	Oppenheimer	Perform		main
2016-09-08 07:38:30	Nomura	Buy		main
2016-09-08 07:41:31	JP Morgan	Overweight		main
2016-09-08 07:41:58	Stifel Nicolaus	Buy		main
2016-09-08 08:38:40	Deutsche Bank	Hold		main
2016-09-08 09:09:53	William Blair	Outperform		main
2016-09-08 09:12:03	Pacific Crest	Outperform		main
2016-09-08 09:13:03	Macquarie	Outperform		main
2016-09-13 08:11:02	Goldman Sachs	Buy		main
2016-09-14 08:11:45	Morgan Stanley	Outperform		main
2016-09-15 08:08:11	BTIG Research	Buy		main
2016-09-15 08:10:08	Credit Suisse	Outperform		main

2016-09-22 06:22:56	Nomura	Buy		main
2016-09-22 06:55:24	RBC Capital	Outperform		main
2016-09-29 04:17:49	Barclays	Overweight		main
2016-09-30 06:13:43	Citigroup	Buy		main
2016-10-12 09:35:28	UBS	Buy		main
2016-10-26 10:21:34	Goldman Sachs	Buy		main
2017-01-04 14:28:46	Guggenheim	Buy		init
2017-01-19 14:05:29	OTR Global	Negative		down
2017-01-24 10:58:22	Barclays	Equal-Weight	Overweight	down
2017-03-06 13:26:00	Citigroup	Buy		main
2017-03-21 13:09:47	Bernstein	Outperform	Outperform	main
2017-03-24 17:05:31	Needham	Buy	Strong Buy	down
2017-03-24 17:07:02	Nomura	Buy		main
2017-04-04 14:25:09	Pacific Crest	Overweight		main
2017-04-18 11:25:49	Credit Suisse	Outperform	Outperform	main
2017-04-19 21:13:21	Morgan Stanley	Overweight	Overweight	main
2017-07-17 16:50:50	Morgan Stanley	Overweight		main
2017-07-24 21:30:42	Loop Capital	Buy		init
2017-08-02 14:44:42	UBS	Buy		main



2017-08-02 16:33:09	BMO Capital	Outperform		main
2017-08-02 17:23:50	Deutsche Bank	Hold		main
2017-08-02 19:29:27	Barclays	Equal-Weight		main
2017-08-03 16:56:08	Nomura	Buy		main
2017-09-06 15:28:27	Nomura	Buy		main
2017-09-19 12:36:45	Morgan Stanley	Overweight		main
2017-09-22 17:48:59	PiperJaffray	Overweight	Overweight	main
2017-10-13 16:54:31	Barclays	Equal-Weight		main
2017-10-16 14:15:46	KeyBanc	Overweight	Sector Weight	up
2017-10-25 16:14:16	HSBC	Buy		init
2017-11-03 12:53:10	Rosenblatt	Buy	Neutral	up
2017-11-03 15:59:55	Baird	Outperform		main
2017-11-03 16:12:44	Loop Capital	Buy		main
2017-11-03 17:09:28	Canaccord Genuity	Buy		main
2017-11-03 17:45:16	Morgan Stanley	Overweight		main
2017-11-03 18:08:14	BMO Capital	Outperform		main
2017-11-03 18:25:13	UBS	Buy		main
2017-11-03 18:30:25	Citigroup	Buy		main
2017-11-03 19:04:50	Bernstein	Outperform		main

2017-11-06 12:40:33	Argus	Buy		main
2017-12-19 11:32:13	Instinet	Neutral	Buy	down
2018-01-17 11:15:43	Longbow Research	Neutral	Buy	down
2018-01-22 13:17:07	Atlantic Equities	Neutral	Overweight	down
2018-01-23 11:35:42	Morgan Stanley	Overweight	Overweight	main
2018-01-25 14:22:14	Morgan Stanley	Overweight	Overweight	main
2018-01-31 11:55:18	BMO Capital	Market Perform	Outperform	down
2018-01-31 13:33:32	Loop Capital	Buy	Buy	main
2018-02-02 12:37:56	Bernstein	Market Perform	Outperform	down
2018-02-02 14:13:33	Morgan Stanley	Overweight	Overweight	main
2018-02-02 14:45:02	BMO Capital	Market Perform	Market Perform	main
2018-02-02 15:10:39	Barclays	Equal-Weight	Equal-Weight	main
2018-02-02 16:02:43	Maxim Group	Buy	Buy	main
2018-02-05 18:07:18	Hilliard Lyons	Buy	Long-Term Buy	up
2018-02-07 13:50:18	Goldman Sachs	Neutral		init
2018-03-16 16:45:00	Barclays	Equal-Weight	Equal-Weight	main
2018-04-11 13:10:39	Monness Crespi Hardt	Buy		init
2018-04-20 11:54:30	Morgan Stanley	Overweight	Overweight	main
2018-04-30 11:39:34	Barclays	Equal-Weight	Equal-Weight	main

2018-04-30 20:52:17	DA Davidson	Buy		init
2018-05-02 12:22:15	Barclays	Equal-Weight	Equal-Weight	main
2018-05-02 13:35:38	BMO Capital	Market Perform	Market Perform	main
2018-05-24 12:44:38	Morgan Stanley	Overweight	Overweight	main
2018-05-30 12:24:48	Maxim Group	Hold	Buy	down
2018-07-23 12:04:12	BMO Capital	Market Perform	Market Perform	main
2018-07-24 12:04:56	Morgan Stanley	Overweight	Overweight	main
2018-08-01 12:33:28	Deutsche Bank	Hold	Hold	main
2018-08-01 13:36:48	BMO Capital	Market Perform	Market Perform	main
2018-08-01 13:45:34	Canaccord Genuity	Buy	Buy	main
2018-08-02 14:14:03	Citigroup	Buy	Buy	main
2018-08-21 15:16:49	Bank of America	Buy	Buy	main
2018-08-31 11:51:48	Nomura	Neutral	Neutral	main
2018-09-04 11:31:14	Canaccord Genuity	Buy	Buy	main
2018-09-05 11:20:28	Morgan Stanley	Overweight	Overweight	main
2018-09-05 12:43:59	DA Davidson	Buy	Buy	main
2018-09-13 12:05:48	Morgan Stanley	Overweight	Overweight	main
2018-09-13 17:04:52	Bank of America	Buy	Buy	main
2018-09-27 10:42:37	JP Morgan	Overweight		init

2018-09-28 11:59:27	Nomura	Neutral	Neutral	main
2018-10-19 09:54:09	Wedbush	Outperform		init
2018-10-29 10:13:15	Jefferies	Buy		init
2018-11-02 12:40:15	Bank of America	Neutral	Buy	down
2018-11-02 15:08:19	BMO Capital	Market Perform	Market Perform	main
2018-11-02 15:28:42	Citigroup	Buy	Buy	main
2018-11-02 16:10:19	Nomura	Neutral	Neutral	main
2018-11-02 16:52:42	JP Morgan	Overweight	Overweight	main
2018-11-02 17:38:27	Baird	Outperform	Outperform	main
2018-11-08 17:25:50	Morgan Stanley	Overweight	Overweight	main
2018-11-14 11:50:44	Guggenheim	Neutral	Buy	down
2018-11-14 14:32:01	UBS	Buy	Buy	main
2018-11-20 12:27:21	Goldman Sachs	Neutral		reit
2018-11-29 14:23:06	Canaccord Genuity	Buy	Buy	main
2018-12-04 11:01:06	HSBC	Hold	Buy	down
2018-12-06 12:54:17	Rosenblatt	Neutral		main
2018-12-07 12:40:36	Morgan Stanley	Overweight	Overweight	main
2018-12-10 15:36:34	Citigroup	Buy	Buy	main
2018-12-14 12:14:01	DA Davidson	Buy	Buy	reit

2019-01-03 12:07:59	Citigroup	Buy	Buy	main
2019-01-03 12:30:28	Macquarie	Neutral	Outperform	down
2019-01-03 13:00:12	Bank of America	Neutral	Neutral	reit
2019-01-03 13:15:15	Loop Capital	Hold	Buy	down
2019-01-03 13:28:26	Morgan Stanley	Overweight	Overweight	main
2019-01-03 13:40:38	Wedbush	Outperform	Outperform	main
2019-01-03 14:34:50	Baird	Outperform	Outperform	main
2019-01-03 14:58:16	Canaccord Genuity	Buy	Buy	main
2019-01-03 15:34:53	Nomura	Neutral	Neutral	main
2019-01-04 12:27:51	Citigroup	Buy	Buy	main
2019-01-30 12:36:14	Nomura	Neutral	Neutral	main
2019-01-30 12:42:35	UBS	Buy	Buy	main
2019-01-30 12:46:24	Canaccord Genuity	Buy	Buy	main
2019-01-30 12:53:24	Morgan Stanley	Overweight	Overweight	main
2019-01-30 12:55:15	Citigroup	Buy	Buy	reit
2019-01-30 14:14:44	Bank of America	Neutral	Neutral	reit
2019-03-11 10:48:11	Bank of America	Buy	Neutral	up
2019-03-14 11:28:16	Cowen & Co.	Outperform		init
2019-03-21 11:48:23	Needham	Strong Buy	Buy	up

2019-03-21 11:51:35	Wedbush	Outperform	Outperform	main
2019-03-21 12:19:38	Citigroup	Buy	Buy	reit
2019-03-26 11:04:39	Morgan Stanley	Overweight	Overweight	main
2019-03-26 12:00:06	Baird	Outperform	Outperform	main
2019-03-26 12:00:24	Canaccord Genuity	Buy	Buy	main
2019-03-26 12:27:18	UBS	Buy	Buy	main
2019-04-10 10:27:38	HSBC	Reduce	Hold	down
2019-04-10 15:46:38	Bank of America	Buy	Buy	reit
2019-04-11 12:09:13	Credit Suisse	Neutral		init
2019-04-24 11:32:37	Morgan Stanley	Overweight	Overweight	main
2019-04-25 13:55:20	UBS	Buy	Buy	main
2019-05-01 12:12:56	Canaccord Genuity	Buy	Buy	main
2019-05-01 12:22:07	Bank of America	Buy	Buy	main
2019-05-01 12:31:55	Wedbush	Outperform	Outperform	main
2019-05-01 12:35:25	Morgan Stanley	Overweight	Overweight	main
2019-05-01 12:38:04	Wells Fargo	Market Perform	Market Perform	main
2019-05-17 12:02:25	Nomura	Neutral		main
2019-05-23 13:24:34	UBS	Buy		main
2019-05-30 11:24:02	Morgan Stanley	Overweight		main

2019-05-30 13:34:53	Morgan Stanley	Overweight		main
2019-06-04 11:09:57	Canaccord Genuity	Buy		main
2019-06-06 11:41:50	Evercore ISI Group	Outperform		init
2019-06-20 10:19:44	Deutsche Bank	Hold		init
2019-07-08 10:53:35	Rosenblatt	Sell	Neutral	down
2019-07-09 11:20:54	JP Morgan	Overweight		main
2019-07-17 13:07:43	Goldman Sachs	Neutral		main
2019-07-18 10:30:26	Raymond James	Outperform	Market Perform	up
2019-07-19 12:47:55	Nomura	Neutral		main
2019-07-22 13:10:50	Morgan Stanley	Overweight		main
2019-07-29 11:42:07	UBS	Buy		main
2019-07-31 12:46:34	Wedbush	Outperform		main
2019-07-31 12:50:18	Nomura	Neutral		main
2019-07-31 13:20:59	Canaccord Genuity	Buy		main
2019-07-31 13:32:07	Piper Jaffray	Overweight		main
2019-07-31 13:33:32	Cowen & Co.	Outperform		main
2019-07-31 13:37:36	Citigroup	Buy		main
2019-07-31 13:39:36	Bank of America	Buy		main
2019-07-31 13:55:21	Deutsche Bank	Hold		main

2019-08-08 11:26:47	Barclays	Equal-Weight		init
2019-09-11 11:58:07	Bank of America	Buy		reit
2019-09-11 12:13:09	Barclays	Equal-Weight		main
2019-09-11 12:23:48	Needham	Strong Buy		main
2019-09-13 12:52:02	Goldman Sachs	Neutral		main
2019-09-20 11:58:57	Cascend	Buy		reit
2019-09-30 12:19:08	JP Morgan	Overweight		main
2019-10-07 11:09:01	Nomura	Neutral		main
2019-10-09 12:14:43	Canaccord Genuity	Buy		main
2019-10-11 12:58:25	Wedbush	Outperform		main
2019-10-17 11:15:52	Barclays	Equal-Weight		main
2019-10-21 11:32:54	Raymond James	Outperform		main
2019-10-22 12:44:16	Deutsche Bank	Hold		main
2019-10-23 11:48:05	Morgan Stanley	Overweight		main
2019-10-24 10:53:47	UBS	Buy		main
2019-10-25 11:35:18	Cascend	Buy		reit
2019-10-28 12:35:20	Credit Suisse	Neutral		main
2019-10-28 12:56:40	Bank of America	Buy		main
2019-10-28 14:49:10	Jefferies	Buy		main



2019-10-31 11:36:05	Nomura	Neutral		main
2019-10-31 11:42:44	Morgan Stanley	Overweight		main
2019-10-31 11:49:17	UBS	Buy		main
2019-10-31 12:00:53	Wells Fargo	Market Perform		main
2019-10-31 12:02:57	Cascend	Buy		main
2019-10-31 12:30:50	DA Davidson	Buy		main
2019-10-31 12:33:17	Piper Jaffray	Overweight		main
2019-10-31 12:35:45	Barclays	Equal-Weight		main
2019-10-31 12:37:58	Wedbush	Outperform		main
2019-10-31 12:39:09	Canaccord Genuity	Buy		main
2019-10-31 12:41:03	Cowen & Co.	Outperform		main
2019-11-13 11:37:47	RBC Capital	Outperform		init
2019-11-14 13:22:43	Maxim Group	Sell	Hold	down
2019-11-15 12:37:06	Wedbush	Outperform		main
2019-11-15 13:21:37	JP Morgan	Overweight		main
2019-11-26 14:43:30	Cascend	Buy		reit
2019-12-02 13:33:04	JP Morgan	Overweight		main
2019-12-11 16:42:43	Evercore ISI Group	Outperform		main
2019-12-17 14:33:44	Cowen & Co.	Outperform		main

2019-12-23 12:05:44	Wedbush	Outperform		main
2020-01-03 11:58:00	RBC Capital	Outperform		main
2020-01-03 13:02:34	Bank of America	Buy		main
2020-01-06 11:15:26	Needham	Buy	Strong Buy	down
2020-01-06 17:53:05	Cascend	Buy		reit
2020-01-09 16:27:12	Jefferies	Buy		main
2020-01-13 12:43:27	DA Davidson	Buy		main
2020-01-14 10:56:17	Atlantic Equities	Underweight	Neutral	down
2020-01-14 13:35:22	UBS	Buy		main
2020-01-15 14:14:43	Canaccord Genuity	Buy		main
2020-01-17 13:00:02	Morgan Stanley	Overweight		main
2020-01-17 13:02:32	Nomura Instinet	Neutral		main
2020-01-23 12:12:55	B of A Securities	Buy		main
2020-01-24 13:26:18	Wedbush	Outperform		main
2020-01-24 13:57:51	Cowen & Co.	Outperform		main
2020-01-27 15:41:31	Deutsche Bank	Hold		main
2020-01-29 11:10:49	Piper Sandler	Overweight		main
2020-01-29 11:43:55	Citigroup	Buy		main
2020-01-29 11:48:17	Raymond James	Outperform		main

2020-01-29 11:54:17	Credit Suisse	Neutral		main
2020-01-29 11:55:43	Cowen & Co.	Outperform		main
2020-01-29 11:58:00	RBC Capital	Outperform		main
2020-01-29 11:59:47	JP Morgan	Overweight		main
2020-01-29 12:26:37	B of A Securities	Buy		reit
2020-01-29 13:04:31	Maxim Group	Hold	Sell	up
2020-01-29 13:17:51	Wells Fargo	Equal-Weight		main
2020-01-29 13:31:53	Deutsche Bank	Hold		main
2020-01-29 14:00:02	Baird	Outperform		main
2020-01-29 14:21:16	Goldman Sachs	Neutral		main
2020-01-29 14:33:52	Nomura	Neutral		main
2020-01-29 14:39:06	DA Davidson	Buy		main
2020-01-29 20:54:17	Cascend	Buy		reit
2020-01-30 16:51:37	B of A Securities	Buy	Hold	up
2020-02-18 15:03:07	Canaccord Genuity	Buy		main
2020-03-02 16:02:20	Cascend	Buy		reit
2020-03-06 14:24:33	Deutsche Bank	Hold		main
2020-03-10 11:06:33	UBS	Buy		main
2020-03-11 13:02:25	B of A Securities	Buy		reit

2020-03-13 09:32:40	Wells Fargo	Overweight	Equal-Weight	up
2020-03-17 11:40:32	Morgan Stanley	Overweight		main
2020-03-19 12:49:59	Canaccord Genuity	Buy		main
2020-03-23 14:12:22	Nomura Instinet	Neutral		main
2020-03-25 09:01:08	Deutsche Bank	Buy	Hold	up
2020-03-30 13:20:31	UBS	Buy		main
2020-04-03 12:47:10	Credit Suisse	Neutral		main
2020-04-03 13:49:12	Morgan Stanley	Overweight		main
2020-04-08 10:45:06	JP Morgan	Overweight		main
2020-04-13 12:26:30	Raymond James	Outperform		main
2020-04-16 14:03:23	Deutsche Bank	Buy		main
2020-04-27 15:22:36	B of A Securities	Buy		reit
2020-05-01 10:45:32	Cascend	Buy		main
2020-05-01 10:47:20	JP Morgan	Overweight		main
2020-05-01 11:31:36	Morgan Stanley	Overweight		main
2020-05-01 11:40:30	Raymond James	Outperform		main
2020-05-01 12:08:30	B of A Securities	Buy		reit
2020-05-01 13:04:47	UBS	Buy		main
2020-05-01 14:33:31	Canaccord Genuity	Buy		main

2020-05-12 12:43:18	Wedbush	Outperform		main
2020-05-27 11:37:26	Deutsche Bank	Buy		main
2020-05-27 15:22:19	B of A Securities	Buy		main
2020-06-03 12:21:30	Morgan Stanley	Overweight		main
2020-06-05 12:26:41	Credit Suisse	Neutral		main
2020-06-05 12:43:04	Wedbush	Outperform		main
2020-06-10 11:19:05	Deutsche Bank	Buy		main
2020-06-11 12:07:07	Wells Fargo	Overweight		main
2020-06-11 12:16:06	B of A Securities	Buy		main
2020-06-16 11:08:47	Citigroup	Buy		main
2020-06-22 14:07:10	Cowen & Co.	Outperform		main
2020-06-23 15:51:49	UBS	Buy		main
2020-06-25 09:00:31	Wedbush	Outperform		main
2020-07-07 11:42:52	Raymond James	Outperform		reit
2020-07-07 15:04:24	Cascend	Buy		main
2020-07-13 11:47:09	Wedbush	Outperform		main
2020-07-13 12:32:14	Morgan Stanley	Overweight		main
2020-07-29 14:37:18	Credit Suisse	Neutral		main
2020-07-31 10:58:34	Wedbush	Outperform		main

2020-07-31 11:50:15	Morgan Stanley	Overweight		main
2020-08-05 15:21:52	B of A Securities	Neutral	Buy	down
2020-08-10 08:58:04	Wedbush	Outperform		main
2020-08-26 11:20:42	Wedbush	Outperform		main
2020-08-31 16:24:32	Argus Research	Buy		main
2020-09-01 12:50:49	Bank of America	Neutral		reit
2020-09-01 13:37:30	JP Morgan	Overweight		main
2020-09-01 15:51:39	B of A Securities	Neutral		main
2020-09-14 14:30:59	Cowen & Co.	Outperform		main
2020-09-14 14:31:16	Morgan Stanley	Overweight		main
2020-09-14 14:33:28	Wells Fargo	Overweight		main
2020-09-14 14:33:45	Canaccord Genuity	Buy		main
2020-09-14 14:34:04	Cascend	Buy		main
2020-09-14 14:35:57	Citigroup	Buy		main
2020-09-14 14:36:16	Credit Suisse	Neutral		main
2020-09-14 14:36:35	Raymond James	Outperform		main
2020-09-14 14:37:00	UBS	Buy		main
2020-09-14 14:37:15	Wolfe Research	Underperform		init
2020-09-16 10:33:21	Needham	Buy		main

2020-09-17 14:55:17	Jefferies	Buy		main
2020-09-21 16:02:35	Citigroup	Buy		main
2020-09-22 11:24:07	Raymond James	Outperform		main
2020-09-23 08:56:21	Needham	Buy		main
2020-09-23 08:57:47	Baird	Outperform		main
2020-09-23 08:58:47	Bernstein	Market Perform		main
2020-09-23 08:59:44	Deutsche Bank	Buy		main
2020-09-23 09:00:33	RBC Capital	Outperform		main
2020-09-23 09:01:18	HSBC	Hold	Reduce	up
2020-09-23 09:02:37	DA Davidson	Buy		main
2020-09-23 09:03:31	Nomura Instinet	Neutral		main
2020-09-23 09:04:38	Piper Sandler	Overweight		main
2020-09-23 09:05:37	Daiwa Capital	Outperform	Buy	down
2020-09-23 09:06:50	Goldman Sachs	Sell	Neutral	down
2020-09-23 09:08:23	Nomura	Neutral		main
2020-09-23 09:10:01	Jefferies	Buy		reit
2020-09-23 09:10:52	Oppenheimer	Outperform	Perform	up
2020-09-23 09:11:47	Barclays	Equal-Weight		main
2020-09-23 09:12:22	Phillip Securities	Neutral	Accumulate	down

2020-09-23 09:13:23	Hudson Square	Buy		main
2020-09-23 09:13:37	Evercore ISI Group	Outperform		main
2020-09-23 09:13:48	Crowell, Weedon & Co.	Buy		main
2020-09-23 09:14:38	Monness Crespi Hardt	Buy		main
2020-09-23 09:14:48	Telsey Advisory Group	Outperform		main
2020-09-23 09:15:09	Monness, Crespi, Hardt	Buy		main
2020-09-23 09:15:32	Rosenblatt	Sell		main
2020-09-23 09:15:33	Topeka	Buy		main
2020-09-23 09:15:51	Scotiabank	Sector Perform	Outperform	down
2020-09-23 09:16:14	Credit Agricole	Outperform	Buy	down
2020-09-23 09:16:27	Lazard	Buy		init
2020-09-23 09:16:51	PiperJaffray	Outperform		main
2020-09-23 09:17:15	Sterne Agee	Buy		main
2020-09-23 09:17:23	China Renaissance	Buy		init
2020-09-23 09:17:34	ABG Sundal Collier	Sell	Hold	down
2020-09-23 09:18:02	Global Equities Research	Overweight		main
2020-09-23 09:18:11	Piper Jaffray	Overweight		main
2020-09-23 09:18:24	Janney Capital	Buy		main
2020-09-23 09:19:04	Longbow Research	Buy	Neutral	up



2020-09-23 09:19:23	Oracle Investment Research	Strong Buy		main
2020-09-23 09:19:56	Citi	Buy		main
2020-09-23 09:20:05	ISI Group	Buy	Strong Buy	down
2020-09-23 09:20:34	Evercore Partners	Overweight		main
2020-09-23 09:20:45	BMO Capital	Market Perform	Market Perform	main
2020-09-23 09:21:26	Berenberg	Buy		main
2020-09-23 09:21:41	Argus	Buy	Buy	main
2020-09-23 09:22:00	Cantor Fitzgerald	Buy		main
2020-09-23 09:22:18	Susquehanna	Positive		main
2020-09-23 09:22:24	KeyBanc	Sector Weight	Overweight	down
2020-09-23 09:23:31	Societe Generale	Buy	Hold	up
2020-09-23 09:25:37	Mizuho	Neutral	Buy	down
2020-09-23 09:26:42	BTIG Research	Buy	Buy	main
2020-09-23 09:27:52	CLSA	Buy		main
2020-09-23 09:28:49	FBN Securities	Outperform		main
2020-09-23 09:30:06	FBR Capital	Outperform		main
2020-09-23 09:31:25	JMP Securities	Outperform		main
2020-09-23 09:32:35	Pacific Crest	Sector Weight	Overweight	down
2020-09-24 00:10:26	Wedbush	Outperform		main

2020-10-12 11:23:23	RBC Capital	Outperform		main
2020-10-14 12:07:26	Morgan Stanley	Overweight		main
2020-10-14 12:54:46	Credit Suisse	Neutral		main
2020-10-22 15:49:26	Piper Sandler	Overweight		main
2020-10-30 11:41:26	Raymond James	Outperform		main
2020-11-30 11:47:25	Loop Capital	Buy	Hold	up
2020-12-09 09:49:54	Wedbush	Outperform		main
2020-12-15 16:48:59	Cascend	Buy		main
2020-12-16 17:12:04	Morgan Stanley	Overweight		main
2021-01-05 13:06:48	Credit Suisse	Neutral		main
2021-01-05 15:31:40	Canaccord Genuity	Buy		main
2021-01-14 17:55:58	Barclays	Equal-Weight		main
2021-01-21 13:18:45	Morgan Stanley	Overweight		main
2021-01-22 16:23:53	Cowen & Co.	Outperform		main
2021-01-25 11:56:43	Wedbush	Outperform		main
2021-01-25 12:58:40	Raymond James	Outperform		main
2021-01-25 16:00:47	Evercore ISI Group	Outperform		main
2021-01-26 15:36:57	Cascend	Buy		main
2021-01-28 11:00:12	Morgan Stanley	Overweight		main

2021-01-28 11:36:57	Needham	Buy		main
2021-01-28 12:27:30	Raymond James	Outperform		main
2021-01-28 16:22:36	Canaccord Genuity	Buy		main
2021-01-28 16:31:45	Credit Suisse	Neutral		main
2021-01-28 18:26:52	Bernstein	Market Perform		main
2021-01-28 18:59:50	Piper Sandler	Overweight		main
2021-01-28 19:03:20	Wells Fargo	Overweight		main
2021-01-28 19:08:11	Deutsche Bank	Buy		main
2021-01-28 19:09:14	DA Davidson	Buy		main
2021-03-10 12:43:57	Wedbush	Outperform		main
2021-03-16 12:55:36	Evercore ISI Group	Outperform		main
2021-03-31 10:28:11	UBS	Buy	Neutral	up
2021-04-06 12:34:09	Morgan Stanley	Overweight		main
2021-04-16 11:55:19	Morgan Stanley	Overweight		main
2021-04-21 12:37:53	Morgan Stanley	Overweight		main
2021-04-29 10:21:16	Goldman Sachs	Neutral	Sell	up
2021-04-29 11:16:56	Raymond James	Outperform		main
2021-04-29 11:44:14	Morgan Stanley	Overweight		main
2021-04-29 11:44:27	Wedbush	Outperform		main

2021-04-29 12:36:07	Jefferies	Buy		main
2021-04-29 13:17:44	Canaccord Genuity	Buy		main
2021-04-29 13:20:06	Credit Suisse	Neutral		main
2021-04-29 13:40:32	Monness, Crespi, Hardt	Buy		main
2021-04-29 14:01:59	Barclays	Equal-Weight		main
2021-05-19 10:59:15	Barclays	Equal-Weight		main
2021-05-28 11:25:16	New Street Research	Sell	Neutral	down
2021-06-24 11:37:32	Morgan Stanley	Overweight		main
2021-07-06 12:27:51	JP Morgan	Overweight		main
2021-07-14 14:35:16	JP Morgan	Overweight		main
2021-07-15 11:43:11	Morgan Stanley	Overweight		main
2021-07-20 10:54:27	UBS	Buy		main
2021-07-22 12:24:18	Canaccord Genuity	Buy		main
2021-07-28 11:04:39	Barclays	Equal-Weight		main
2021-07-28 12:04:58	Morgan Stanley	Overweight		main
2021-07-28 12:30:58	Wells Fargo	Overweight		main
2021-07-28 13:19:21	Canaccord Genuity	Buy		main
2021-07-28 14:04:02	Piper Sandler	Overweight		main
2021-07-28 14:08:03	Deutsche Bank	Buy		main

2021-07-28 14:20:34	Loop Capital	Buy		main
2021-09-01 13:06:05	Wolfe Research	Peer Perform	Underperform	up
2021-09-09 13:49:40	Piper Sandler	Overweight		main
2021-09-22 16:07:34	Tigress Financial	Strong Buy		main
2021-10-19 12:55:08	DA Davidson	Buy		main
2021-10-27 13:11:01	Morgan Stanley	Overweight		main
2021-10-29 10:56:50	Oppenheimer	Outperform		main
2021-10-29 11:16:45	Barclays	Equal-Weight		main
2021-10-29 11:41:38	Morgan Stanley	Overweight		main
2021-12-02 11:32:09	Wedbush	Outperform		main
2021-12-06 11:05:33	Keybanc	Overweight		init
2021-12-07 13:04:51	Morgan Stanley	Overweight		main
2021-12-13 14:36:22	JP Morgan	Overweight		main
2021-12-14 11:26:08	B of A Securities	Buy	Neutral	up
2021-12-14 13:13:36	Evercore ISI Group	Outperform		main
2021-12-22 14:52:28	Citigroup	Buy		main
2022-01-14 12:06:16	Loop Capital	Buy		main
2022-01-21 13:59:41	Wells Fargo	Overweight		main
2022-01-28 11:37:56	Barclays	Equal-Weight		main

2022-01-28 11:42:30	UBS	Buy		main
2022-01-28 12:18:25	Raymond James	Outperform		main
2022-01-28 12:45:37	Morgan Stanley	Overweight		main
2022-01-28 13:01:39	Deutsche Bank	Buy		main
2022-01-28 14:19:01	New Street Research	Neutral	Sell	up
2022-01-28 15:10:56	Oppenheimer	Outperform		main
2022-01-31 15:44:19	Credit Suisse	Neutral		main
2022-02-15 15:31:58	Tigress Financial	Strong Buy		main
2022-03-11 11:57:08	Barclays	Equal-Weight		main
2022-04-19 12:35:08	Rosenblatt	Neutral		init
2022-04-29 10:25:29	Piper Sandler	Overweight		main
2022-04-29 10:51:54	JP Morgan	Overweight		main
2022-04-29 11:12:56	Morgan Stanley	Overweight		main
2022-04-29 12:00:09	Deutsche Bank	Buy		main
2022-04-29 12:47:34	Credit Suisse	Neutral		main
2022-05-02 11:09:48	Rosenblatt	Neutral		main
2022-05-19 12:08:22	B of A Securities	Buy		main

recommendationsAAPL

Date	Firm	To Grade	From Grade	Action
2012-02-09	Canaccord Genuity	Buy		main
2012-03-08	FBN Securities	Outperform		main
2012-03-13	Jefferies	Buy		main
2012-03-14	Morgan Stanley	Overweight		main
2012-03-14	Oxen Group	Buy		init
2012-03-14	Canaccord Genuity	Buy		main
2012-03-15	PiperJaffray	Overweight		main
2012-03-16	Oppenheimer	Outperform		main
2012-03-16	UBS	Buy		main
2012-03-19	Goldman Sachs	Buy		main
2012-03-19	FBN Securities	Outperform		main
2012-03-19	Wedbush	Outperform		main
2012-03-19	Morgan Keegan	Outperform		main
2012-03-20	Citigroup	Buy		main
2012-03-20	Sterne Agee	Buy		main
2012-03-21	Crowell, Weedon & Co.	Buy		main
2012-03-21	Hilliard Lyons	Buy		main
2012-03-21	Scotiabank	Sector Perform		main

2012-03-30	BMO Capital	Outperform		main
2012-04-03	PiperJaffray	Overweight		main
2012-04-03	JP Morgan	Overweight		main
2012-04-05	Jefferies	Buy		main
2012-04-09	BTIG Research	Neutral		down
2012-04-11	Sterne Agee	Buy		main
2012-04-12	Credit Suisse	Outperform		main
2012-04-13	Bank of America	Buy		main
2012-04-18	Goldman Sachs	Buy		main
2012-04-19	Canaccord Genuity	Buy		main
2012-04-25	Deutsche Bank	Buy		main
2012-04-25	Goldman Sachs	Buy		main
2012-04-25	Citigroup	Buy		main
2012-04-25	Wedbush	Outperform		main
2012-04-25	FBN Securities	Outperform		main
2012-04-25	Societe Generale	Buy		up
2012-04-25	ISI Group	Buy		main
2012-04-25	Sterne Agee	Buy		main
2012-04-25	Bank of America	Buy		main



2012-04-25	Canaccord Genuity	Buy		main
2012-04-26	Scotiabank	Sector Outperform		up
2012-04-26	Hilliard Lyons	Buy		main
2012-06-04	Crowell, Weedon & Co.	Buy		main
2012-07-11	UBS	Buy		init
2012-07-25	Morgan Stanley	Overweight		main
2012-07-25	Goldman Sachs	Buy		main
2012-07-25	Raymond James	Outperform	Strong Buy	down
2012-07-25	Canaccord Genuity	Buy		main
2012-07-25	Bank of America	Buy		main
2012-07-25	BMO Capital	Outperform		main
2012-07-25	JP Morgan	Overweight		main
2012-07-26	Phillip Securities	Neutral	Accumulate	down
2012-08-09	Stifel Nicolaus	Buy		init
2012-08-17	Jefferies	Buy		main
2012-08-21	Oracle Investment Research	Hold	Buy	down
2012-08-22	Needham	Buy		main
2012-08-27	Bank of America	Buy		main
2012-08-27	Oppenheimer	Outperform		main

2012-09-04	Wedbush	Outperform		main
2012-09-05	JP Morgan	Overweight		main
2012-09-06	Societe Generale	Buy		main
2012-09-10	Monness Crespi Hardt	Buy		init
2012-09-12	Hudson Square	Buy		main
2012-09-12	Hudson Square	Buy		main
2012-09-13	Barclays	Overweight		main
2012-09-13	UBS	Buy		main
2012-09-13	Goldman Sachs	Buy		main
2012-09-13	Sterne Agee	Buy		main
2012-09-13	Deutsche Bank	Buy		main
2012-09-14	Hilliard Lyons	Buy		main
2012-09-17	BMO Capital	Outperform		main
2012-09-18	Bank of America	Buy		main
2012-09-18	Sterne Agee	Buy		main
2012-09-21	Crowell, Weedon & Co.	Buy		main
2012-09-21	Deutsche Bank	Buy		main
2012-10-09	Nomura	Neutral		init
2012-10-24	Barclays	Overweight		main

2012-10-24	Canaccord Genuity	Buy		main
2012-10-26	Nomura	Neutral		main
2012-10-26	Telsey Advisory Group	Outperform		main
2012-10-26	Deutsche Bank	Buy		main
2012-10-26	FBN Securities	Outperform		main
2012-11-01	Oracle Investment Research	Buy	Hold	up
2012-11-09	Avondale Partners	Market Perform		init
2012-11-19	Bank of America	Buy		main
2012-11-26	Citigroup	Buy		init
2012-12-03	ABG Sundal Collier			init
2012-12-05	Oracle Investment Research	Strong Buy	Buy	up
2012-12-10	Jefferies	Buy		main
2012-12-14	UBS	Buy		main
2012-12-17	Citigroup	Neutral	Buy	down
2012-12-17	BMO Capital	Outperform		main
2012-12-17	Mizuho	Buy		main
2012-12-17	Canaccord Genuity			reit
2012-12-17	Pacific Crest	Outperform		main
2013-01-07	Barclays	Overweight		main

2013-01-10	PiperJaffray	Overweight		main
2013-01-11	Credit Agricole	Buy		main
2013-01-15	Nomura	Neutral		main
2013-01-16	Stifel	Buy		main
2013-01-16	Pacific Crest	Sector Perform	Outperform	down
2013-01-16	Stifel	Buy		main
2013-01-16	BGC Financial	Hold		main
2013-01-16	Bank of America	Buy		main
2013-01-17	BMO Capital	Outperform		main
2013-01-17	JP Morgan	Overweight		main
2013-01-22	Scotiabank	Sector Outperform		main
2013-01-22	UBS	Buy		main
2013-01-22	Monness, Crespi, Hardt	Buy		main
2013-01-24	BMO Capital	Outperform		main
2013-01-24	Stifel Nicolaus	Buy		main
2013-01-24	Topeka	Buy		main
2013-01-24	Nomura	Neutral		main
2013-01-24	Scotiabank	Sector Perform	Outperform	down
2013-01-24	Credit Suisse	Outperform		main

2013-01-24	Oracle Investment Research	Strong Buy		main
2013-01-24	Jefferies	Hold	Buy	down
2013-01-24	Deutsche Bank	Buy		main
2013-01-24	RBC Capital	Outperform		main
2013-01-24	Societe Generale	Buy		main
2013-01-24	Credit Agricole	Buy		main
2013-01-24	Barclays	Overweight		main
2013-01-24	FBN Securities	Outperform		main
2013-01-24	Hilliard Lyons	Long-term Buy	Buy	down
2013-01-24	BGC Financial	Hold		main
2013-01-24	UBS	Buy		main
2013-01-24	PiperJaffray	Overweight		main
2013-01-24	Canaccord Genuity	Buy		main
2013-01-24	Goldman Sachs	Buy		main
2013-01-24	Janney Capital	Buy		main
2013-01-24	Sterne Agee	Buy		main
2013-01-28	Baird	Market Perform	Outperform	down
2013-02-25	Needham	Buy		main
2013-03-05	Cleveland Research	Neutral	Buy	down

2013-03-06	Citigroup	Neutral		main
2013-03-06	Berenberg	Sell	Buy	down
2013-03-11	Credit Agricole	Outperform	Buy	down
2013-03-12	Jefferies	Hold		main
2013-03-14	BTIG Research	Buy	Neutral	up
2013-03-15	Sterne Agee	Buy		main
2013-03-20	Canaccord Genuity	Buy		main
2013-03-26	Oppenheimer	Outperform		main
2013-04-02	Goldman Sachs	Buy		main
2013-04-04	Lazard	Buy		init
2013-04-12	RBC Capital	Outperform		main
2013-04-16	PiperJaffray	Overweight		main
2013-04-16	Stifel Nicolaus	Buy		main
2013-04-18	BMO Capital	Outperform		main
2013-04-18	Janney Capital	Buy		main
2013-04-19	Barclays	Overweight		main
2013-04-19	Standpoint	Buy		init
2013-04-22	BGC Financial	Buy	Hold	up
2013-04-22	BMO Capital	Outperform		main

2013-04-22	Sterne Agee	Buy		main
2013-04-22	Avondale Partners	Market Outperform	Market Perform	up
2013-04-22	Monness Crespi Hardt	Buy		main
2013-04-23	FBR Capital	Outperform		main
2013-04-24	BMO Capital	Market Perform	Outperform	down
2013-04-24	Citigroup	Neutral		main
2013-04-24	FBN Securities	Outperform		main
2013-04-24	Nomura	Neutral		main
2013-04-24	Ameriprise Financial	Buy		init
2013-04-24	Hilliard Lyons	Buy	Long-Term Buy	up
2013-04-24	Credit Suisse	Outperform		main
2013-04-24	Societe Generale	Buy		main
2013-04-25	ABG Sundal Collier	Hold	Sell	up
2013-04-25	Hamburger Sparkasse	Hold	Buy	down
2013-05-06	Barclays	Overweight		main
2013-05-15	Susquehanna	Neutral		init
2013-06-24	Jefferies	Hold		main
2013-06-24	BMO Capital	Market Perform		main
2013-07-01	Raymond James	Strong Buy	Outperform	up

2013-07-22	BMO Capital	Market Perform		main
2013-07-24	Goldman Sachs	Buy		main
2013-07-24	BMO Capital	Outperform	Market Perform	up
2013-07-24	Stifel Nicolaus	Buy		main
2013-07-24	Bank of America	Buy		main
2013-08-01	Jefferies	Hold		main
2013-08-02	Standpoint Research	Hold	Buy	down
2013-08-12	Needham	Buy		main
2013-08-15	RBC Capital	Outperform		main
2013-08-21	UBS	Buy		main
2013-09-03	ABG Sundal Collier	Sell	Hold	down
2013-09-04	Cantor Fitzgerald	Buy		init
2013-09-06	Evercore Partners	Overweight		main
2013-09-09	FBN Securities	Outperform		main
2013-09-11	Bank of America	Neutral	Buy	down
2013-09-11	Nomura	Neutral		main
2013-09-11	UBS	Neutral	Buy	down
2013-09-11	Oppenheimer	Outperform		main
2013-09-11	PiperJaffray	Overweight		main



2013-09-11	Canaccord Genuity	Buy		main
2013-09-11	Credit Suisse	Neutral	Outperform	down
2013-09-13	Jefferies	Hold		main
2013-09-23	FBN Securities	Outperform		main
2013-09-23	Societe Generale	Hold	Buy	down
2013-09-24	Barclays	Overweight		main
2013-09-24	Susquehanna	Positive	Neutral	up
2013-09-27	Monness Crespi Hardt	Buy		main
2013-09-30	Global Equities Research	Overweight		main
2013-10-04	BMO Capital	Outperform		main
2013-10-07	Jefferies	Buy	Hold	up
2013-10-14	Mizuho	Buy		main
2013-10-21	Societe Generale	Buy	Hold	up
2013-10-23	Wells Fargo	Outperform		main
2013-10-23	Nomura	Neutral		main
2013-10-29	Goldman Sachs	Buy		main
2013-10-29	Baird	Outperform	Neutral	up
2013-10-29	Citigroup	Neutral		main
2013-10-29	Nomura	Neutral		main

2013-10-29	Monness Crespi Hardt	Buy		main
2013-10-29	Deutsche Bank	Buy		main
2013-10-29	Janney Capital	Buy		main
2013-10-29	Wells Fargo	Outperform		main
2013-10-29	Jefferies	Buy		main
2013-10-29	PiperJaffray	Overweight		main
2013-10-29	Canaccord Genuity	Buy		main
2013-10-29	Stifel Nicolaus	Buy		main
2013-10-29	BMO Capital	Outperform		main
2013-11-14	Canaccord Genuity	Buy		main
2013-11-18	Susquehanna	Positive		main
2013-11-25	Wells Fargo	Outperform		main
2013-11-29	Cantor Fitzgerald	Buy		main
2013-12-02	UBS	Buy	Neutral	up
2013-12-03	UBS	Buy	Neutral	up
2013-12-06	Citigroup	Neutral		main
2013-12-10	Bank of America	Neutral		main
2013-12-12	Canaccord Genuity	Buy		main
2013-12-16	Morgan Stanley	Overweight		main

2013-12-19	Monness Crespi Hardt	Buy		main
2013-12-19	JP Morgan	Overweight		main
2013-12-19	Susquehanna	Positive		main
2013-12-23	FBN Securities	Outperform		main
2013-12-23	Raymond James	Strong Buy		main
2013-12-23	Stifel	Buy		main
2014-01-02	Wells Fargo	Market Perform	Outperform	down
2014-01-06	Standpoint	Sell	Hold	down
2014-01-13	Oracle Investment Research	Strong Buy		main
2014-01-21	Societe Generale	Hold	Buy	down
2014-01-27	BGC Financial	Hold	Buy	down
2014-01-28	Hilliard Lyons	Long-Term Buy	Buy	down
2014-01-28	Barclays	Overweight		main
2014-01-28	UBS	Buy		main
2014-01-28	JP Morgan	Overweight		main
2014-01-28	Citigroup	Hold		main
2014-01-28	Nomura	Neutral		main
2014-01-28	BGC Financial	Hold	Buy	down
2014-01-28	Oppenheimer	Market Perform	Outperform	down

2014-01-28	Raymond James	Outperform	Strong Buy	down
2014-02-14	Bank of America	Neutral		main
2014-02-20	Barclays	Equal-weight	Overweight	down
2014-03-03	Canaccord Genuity	Buy		main
2014-03-11	Pacific Crest	Outperform	Sector Perform	up
2014-03-21	Macquarie	Outperform		init
2014-04-10	Deutsche Bank	Buy		init
2014-04-24	Pacific Crest	Outperform		main
2014-04-24	Credit Suisse	Neutral		main
2014-04-24	Citigroup	Hold		main
2014-04-24	Canaccord Genuity	Buy		main
2014-04-24	Barclays	Equal-Weight		main
2014-04-24	CLSA	Buy	Outperform	up
2014-04-24	Nomura	Neutral		main
2014-04-24	Bank of America	Neutral		main
2014-05-06	RBC Capital	Outperform		main
2014-05-09	ISI Group	Buy	Strong Buy	down
2014-05-28	Barclays	Equal-Weight		main
2014-05-28	Bernstein	Outperform		main

2014-05-29	UBS	Buy		main
2014-05-29	Baird	Outperform		main
2014-05-29	Bank of America	Neutral		main
2014-06-03	Credit Suisse	Neutral		main
2014-06-03	Canaccord Genuity	Buy		main
2014-06-09	Stifel Nicolaus	Buy		main
2014-06-10	Citigroup	Neutral		main
2014-06-10	Barclays	Equal-Weight		main
2014-06-11	Monness Crespi Hardt	Buy		main
2014-06-11	Deutsche Bank	Buy		main
2014-06-13	Raymond James	Outperform		main
2014-06-17	Societe Generale	Buy	Hold	up
2014-06-25	Credit Suisse	Neutral		main
2014-07-02	Evercore Partners	Overweight		main
2014-07-11	Canaccord Genuity	Buy		main
2014-07-14	Morgan Stanley	Overweight		main
2014-07-14	Barclays	Overweight	Equal-weight	up
2014-07-21	UBS	Buy		main
2014-07-21	JMP Securities	Market Outperform	Market Perform	up

2014-07-23	Raymond James	Outperform		main
2014-07-23	Nomura	Neutral		main
2014-07-23	Macquarie	Outperform		main
2014-09-02	Nomura	Neutral		main
2014-09-10	Pacific Crest	Sector Perform	Outperform	down
2014-09-10	Goldman Sachs	Buy		main
2014-09-10	Mizuho	Buy		main
2014-09-10	Barclays	Overweight		main
2014-09-10	Wells Fargo	Market Perform		main
2014-09-30	Evercore Partners	Overweight		main
2014-09-30	Jefferies	Hold		init
2014-10-02	Citigroup	Buy		main
2014-10-03	Deutsche Bank	Hold	Buy	down
2014-10-07	Susquehanna	Positive		main
2014-10-09	Oppenheimer	Outperform	Market Perform	up
2014-10-14	Credit Suisse	Neutral		main
2014-10-21	Morgan Stanley	Overweight		main
2014-10-21	Cantor Fitzgerald	Buy		main
2014-10-21	Barclays	Overweight		main

2014-11-18	Oppenheimer	Outperform		main
2014-11-19	Jefferies	Hold		main
2014-11-20	Morgan Stanley	Overweight		main
2014-11-25	Stifel Nicolaus	Buy		main
2014-12-01	Barclays	Overweight		main
2014-12-02	Canaccord Genuity	Buy		main
2014-12-03	JMP Securities	Market Outperform		main
2014-12-08	Citigroup	Buy		main
2015-01-13	Credit Suisse	Outperform	Neutral	up
2015-01-15	Mizuho	Neutral	Buy	down
2015-01-16	Societe Generale	Buy	Buy	main
2015-01-16	RBC Capital	Outperform	Outperform	main
2015-01-28	Barclays	Overweight		main
2015-01-28	BMO Capital	Outperform	Outperform	main
2015-01-28	Jefferies	Hold	Hold	main
2015-01-28	Deutsche Bank	Hold	Hold	main
2015-01-28	Evercore ISI Group	Buy	Buy	main
2015-01-28	Cowen & Co.	Outperform	Outperform	main
2015-01-28	RBC Capital	Outperform	Outperform	main

2015-01-28	JP Morgan	Overweight		main
2015-02-11	JP Morgan	Overweight		main
2015-02-20	Goldman Sachs			main
2015-02-24	Stifel Nicolaus	Buy		main
2015-02-25	Stifel Nicolaus	Buy		main
2015-03-02	Morgan Stanley	Overweight		main
2015-03-03	Oppenheimer	Outperform		main
2015-03-09	Macquarie	Outperform		main
2015-03-10	Evercore ISI Group	Buy		main
2015-03-10	Nomura	Neutral		main
2015-03-10	Monness Crespi Hardt	Buy		main
2015-03-13	Berenberg	Buy		main
2015-03-18	Jefferies	Hold		main
2015-03-23	Cowen & Co.	Outperform		main
2015-03-24	Cantor Fitzgerald	Buy		main
2015-03-26	Credit Suisse	Outperform	Outperform	main
2015-03-31	RBC Capital	Outperform		main
2015-04-08	Societe Generale	Hold	Buy	down
2015-04-10	Raymond James	Market Perform	Outperform	down



2015-04-16	Maxim Group	Hold		init
2015-04-17	FBR Capital	Outperform		init
2015-04-27	Brean Capital	Buy		init
2015-04-27	Jefferies	Hold		main
2015-04-27	Jefferies	Hold		main
2015-04-28	Susquehanna	Positive		main
2015-04-28	Canaccord Genuity	Buy		main
2015-07-13	Societe Generale	Buy	Hold	up
2015-07-22	Cowen & Co.	Market Perform	Outperform	down
2015-07-30	Nomura	Buy		init
2015-08-05	Bank of America	Neutral	Buy	down
2015-08-25	Wells Fargo	Outperform	Market Perform	up
2015-09-09	Rosenblatt	Buy		init
2015-09-16	JMP Securities	Outperform		main
2015-09-21	Canaccord Genuity	Buy		main
2015-09-28	Sterne Agee CRT	Buy		init
2015-10-01	Drexel Hamilton	Buy		init
2015-10-11	Morgan Stanley	Overweight		main
2015-10-14	Barclays	Overweight		init

2015-10-23	Maxim Group	Buy	Neutral	up
2015-10-28	Credit Suisse	Outperform		main
2015-10-28	Pacific Crest	Overweight	Sector Weight	up
2015-10-28	Morgan Stanley	Overweight		main
2015-10-28	Barclays	Overweight		main
2015-11-18	Goldman Sachs	Buy		main
2015-12-11	BMO Capital	Outperform		init
2015-12-14	Barclays	Overweight		main
2015-12-22	Cowen & Co.	Market Perform		main
2016-01-07	RBC Capital	Outperform		main
2016-01-08	Pacific Crest	Overweight		main
2016-01-08	Canaccord Genuity	Buy		main
2016-01-11	Deutsche Bank	Hold		main
2016-01-11	Oppenheimer	Outperform		main
2016-01-11	Mizuho	Buy	Neutral	up
2016-01-12	Bank of America	Buy		up
2016-01-27	PiperJaffray	Overweight		main
2016-01-27	FBR Capital	Outperform		main
2016-01-27	Barclays	Overweight		main

2016-02-12	FBR Capital	Outperform		main
2016-03-07	Pacific Crest	Overweight		main
2016-03-10	CLSA	Buy		main
2016-03-30	Cowen & Co.	Outperform	Market Perform	up
2016-04-04	Credit Suisse	Outperform		main
2016-04-04	Brean Capital	Buy		main
2016-04-06	Needham	Strong Buy		init
2016-04-07	BTIG Research	Buy		main
2016-04-20	Barclays	Overweight		main
2016-04-26	PiperJaffray	Overweight		main
2016-04-26	BTIG Research	Buy		main
2016-04-27	Brean Capital	Buy		main
2016-04-27	Barclays	Overweight		main
2016-04-27	Citigroup	Buy		main
2016-04-27	Oppenheimer	Perform	Outperform	down
2016-04-27	Macquarie	Buy		main
2016-04-27	Goldman Sachs	Buy		main
2016-04-27	Cowen & Co.	Outperform		main
2016-04-27	Baird	Outperform		main

2016-04-27	Morgan Stanley	Overweight		main
2016-04-27	CLSA	Buy		main
2016-04-27	FBN Securities	Outperform		main
2016-04-27	Nomura	Buy		main
2016-04-27	PiperJaffray	Overweight		main
2016-04-27	RBC Capital	Outperform		main
2016-04-27	Maxim Group	Buy		main
2016-04-27	Pacific Crest	Overweight		main
2016-05-11	UBS	Buy		main
2016-06-02	Goldman Sachs	Buy		main
2016-07-06	Longbow Research	Buy		init
2016-07-15	Barclays	Overweight		main
2016-07-26	UBS	Buy		main
2016-07-27	Citigroup	Buy		main
2016-07-27	BMO Capital	Outperform		main
2016-07-27	Drexel Hamilton	Buy		main
2016-07-27	RBC Capital	Outperform		main
2016-07-27	Morgan Stanley	Overweight		main
2016-07-27	Credit Suisse	Outperform		main

2016-07-27	Raymond James	Outperform	Market Perform	up
2016-07-27	Brean Capital	Buy		main
2016-07-27	UBS	Buy		main
2016-07-27	BTIG Research	Buy		main
2016-07-27	JP Morgan	Overweight		main
2016-07-28	Hilliard Lyons	Buy	Long-Term Buy	up
2016-08-02	Daiwa Capital	Outperform	Buy	down
2016-08-11	RBC Capital	Outperform		main
2016-09-08	Macquarie	Outperform		main
2016-09-08	Pacific Crest	Outperform		main
2016-09-08	William Blair	Outperform		main
2016-09-08	Deutsche Bank	Hold		main
2016-09-08	Stifel Nicolaus	Buy		main
2016-09-08	JP Morgan	Overweight		main
2016-09-08	Nomura	Buy		main
2016-09-08	Oppenheimer	Perform		main
2016-09-08	Bernstein	Outperform		main
2016-09-08	Drexel Hamilton	Buy		main
2016-09-08	UBS	Buy		main

2016-09-08	Wells Fargo	Market Perform	Outperform	down
2016-09-08	Goldman Sachs	Buy		main
2016-09-08	Citigroup	Buy		main
2016-09-08	Morgan Stanley	Overweight		main
2016-09-13	Goldman Sachs	Buy		main
2016-09-14	Morgan Stanley	Outperform		main
2016-09-15	BTIG Research	Buy		main
2016-09-15	Credit Suisse	Outperform		main
2016-09-16	CLSA	Buy		main
2016-09-22	RBC Capital	Outperform		main
2016-09-22	Nomura	Buy		main
2016-09-29	Barclays	Overweight		main
2016-09-30	Citigroup	Buy		main
2016-10-12	UBS	Buy		main
2016-10-12	Goldman Sachs	Buy		main
2016-10-12	Credit Suisse	Outperform		main
2016-10-26	Stifel Nicolaus	Hold	Buy	down
2016-10-26	Brean Capital	Buy		main
2016-10-26	Barclays	Overweight		main

2016-10-26	Citigroup	Buy		main
2016-10-26	PiperJaffray	Overweight		main
2016-10-26	Morgan Stanley	Overweight		main
2016-10-26	Macquarie	Outperform		main
2016-10-26	Goldman Sachs	Buy		main
2016-10-26	Drexel Hamilton	Buy		main
2016-10-26	Credit Suisse	Outperform		main
2017-01-04	Guggenheim	Buy		init
2017-01-19	OTR Global	Negative		down
2017-01-24	Barclays	Equal-Weight	Overweight	down
2017-03-01	BTIG Research	Buy	Buy	main
2017-03-06	Citigroup	Buy		main
2017-03-21	Bernstein	Outperform	Outperform	main
2017-03-24	Nomura	Buy		main
2017-03-24	Needham	Buy	Strong Buy	down
2017-04-04	Pacific Crest	Overweight		main
2017-04-18	Credit Suisse	Outperform	Outperform	main
2017-04-19	Morgan Stanley	Overweight	Overweight	main
2017-06-05	Pacific Crest	Sector Weight	Overweight	down

2017-06-12	Mizuho	Neutral	Buy	down
2017-07-17	Morgan Stanley	Overweight		main
2017-07-24	Loop Capital	Buy		init
2017-08-02	BMO Capital	Outperform		main
2017-08-02	UBS	Buy		main
2017-08-02	Barclays	Equal-Weight		main
2017-08-02	Deutsche Bank	Hold		main
2017-08-03	Nomura	Buy		main
2017-09-06	Nomura	Buy		main
2017-09-19	Morgan Stanley	Overweight		main
2017-09-22	PiperJaffray	Overweight	Overweight	main
2017-10-13	Barclays	Equal-Weight		main
2017-10-16	KeyBanc	Overweight	Sector Weight	up
2017-10-25	HSBC	Buy		init
2017-11-03	Rosenblatt	Buy	Neutral	up
2017-11-03	Baird	Outperform		main
2017-11-03	Loop Capital	Buy		main
2017-11-03	Canaccord Genuity	Buy		main
2017-11-03	BMO Capital	Outperform		main



2017-11-03	UBS	Buy		main
2017-11-03	Citigroup	Buy		main
2017-11-03	Bernstein	Outperform		main
2017-11-03	Morgan Stanley	Overweight		main
2017-11-06	Argus	Buy		main
2017-12-19	Instinet	Neutral	Buy	down
2018-01-17	Longbow Research	Neutral	Buy	down
2018-01-22	Atlantic Equities	Neutral	Overweight	down
2018-01-23	Morgan Stanley	Overweight	Overweight	main
2018-01-25	Morgan Stanley	Overweight	Overweight	main
2018-01-31	Loop Capital	Buy	Buy	main
2018-01-31	BMO Capital	Market Perform	Outperform	down
2018-02-02	KeyBanc	Sector Weight	Overweight	down
2018-02-02	Bernstein	Market Perform	Outperform	down
2018-02-02	Barclays	Equal-Weight	Equal-Weight	main
2018-02-02	BMO Capital	Market Perform	Market Perform	main
2018-02-02	Maxim Group	Buy	Buy	main
2018-02-02	Morgan Stanley	Overweight	Overweight	main
2018-02-05	Hilliard Lyons	Buy	Long-Term Buy	up

2018-02-07	Goldman Sachs	Neutral		init
2018-03-16	Barclays	Equal-Weight	Equal-Weight	main
2018-04-11	Monness Crespi Hardt	Buy		init
2018-04-20	Morgan Stanley	Overweight	Overweight	main
2018-04-30	DA Davidson	Buy		init
2018-04-30	Barclays	Equal-Weight	Equal-Weight	main
2018-05-02	Barclays	Equal-Weight	Equal-Weight	main
2018-05-02	BMO Capital	Market Perform	Market Perform	main
2018-05-02	Canaccord Genuity	Buy	Buy	main
2018-05-24	Morgan Stanley	Overweight	Overweight	main
2018-05-30	Maxim Group	Hold	Buy	down
2018-06-08	Argus	Buy	Buy	main
2018-07-23	BMO Capital	Market Perform	Market Perform	main
2018-07-24	Morgan Stanley	Overweight	Overweight	main
2018-08-01	Canaccord Genuity	Buy	Buy	main
2018-08-01	BMO Capital	Market Perform	Market Perform	main
2018-08-01	Deutsche Bank	Hold	Hold	main
2018-08-02	Citigroup	Buy	Buy	main
2018-08-21	Bank of America	Buy	Buy	main

2018-08-31	Nomura	Neutral	Neutral	main
2018-09-04	Canaccord Genuity	Buy	Buy	main
2018-09-05	DA Davidson	Buy	Buy	main
2018-09-05	Morgan Stanley	Overweight	Overweight	main
2018-09-13	Bank of America	Buy	Buy	main
2018-09-13	Morgan Stanley	Overweight	Overweight	main
2018-09-27	JP Morgan	Overweight		init
2018-09-28	Nomura	Neutral	Neutral	main
2018-10-19	Wedbush	Outperform		init
2018-10-29	Jefferies	Buy		init
2018-11-02	Bank of America	Neutral	Buy	down
2018-11-02	Citigroup	Buy	Buy	main
2018-11-02	BMO Capital	Market Perform	Market Perform	main
2018-11-02	Baird	Outperform	Outperform	main
2018-11-02	Nomura	Neutral	Neutral	main
2018-11-02	JP Morgan	Overweight	Overweight	main
2018-11-08	Morgan Stanley	Overweight	Overweight	main
2018-11-14	Guggenheim	Neutral	Buy	down
2018-11-14	UBS	Buy	Buy	main

2018-11-20	Goldman Sachs	Neutral		reit
2018-11-29	Canaccord Genuity	Buy	Buy	main
2018-12-04	HSBC	Hold	Buy	down
2018-12-06	Rosenblatt	Neutral		main
2018-12-07	Morgan Stanley	Overweight	Overweight	main
2018-12-10	Citigroup	Buy	Buy	main
2018-12-14	DA Davidson	Buy	Buy	reit
2019-01-03	Citigroup	Buy	Buy	main
2019-01-03	Macquarie	Neutral	Outperform	down
2019-01-03	Bank of America	Neutral	Neutral	reit
2019-01-03	Loop Capital	Hold	Buy	down
2019-01-03	Wells Fargo	Market Perform	Market Perform	reit
2019-01-03	Wedbush	Outperform	Outperform	main
2019-01-03	Morgan Stanley	Overweight	Overweight	main
2019-01-03	Canaccord Genuity	Buy	Buy	main
2019-01-03	Nomura	Neutral	Neutral	main
2019-01-03	Jefferies	Hold	Buy	down
2019-01-03	Baird	Outperform	Outperform	main
2019-01-04	Citigroup	Buy	Buy	main

2019-01-30	Canaccord Genuity	Buy	Buy	main
2019-01-30	Nomura	Neutral	Neutral	main
2019-01-30	UBS	Buy	Buy	main
2019-01-30	BMO Capital	Market Perform	Market Perform	main
2019-01-30	Citigroup	Buy	Buy	reit
2019-01-30	Morgan Stanley	Overweight	Overweight	main
2019-01-30	Bank of America	Neutral	Neutral	reit
2019-03-11	Bank of America	Buy	Neutral	up
2019-03-14	Cowen & Co.	Outperform		init
2019-03-21	Citigroup	Buy	Buy	reit
2019-03-21	Wedbush	Outperform	Outperform	main
2019-03-21	Needham	Strong Buy	Buy	up
2019-03-26	UBS	Buy	Buy	main
2019-03-26	Baird	Outperform	Outperform	main
2019-03-26	Canaccord Genuity	Buy	Buy	main
2019-03-26	Morgan Stanley	Overweight	Overweight	main
2019-04-10	HSBC	Reduce	Hold	down
2019-04-10	Bank of America	Buy	Buy	reit
2019-04-11	Credit Suisse	Neutral		init

2019-04-24	Morgan Stanley	Overweight	Overweight	main
2019-04-25	UBS	Buy	Buy	main
2019-05-01	Wells Fargo	Market Perform	Market Perform	main
2019-05-01	Morgan Stanley	Overweight	Overweight	main
2019-05-01	Wedbush	Outperform	Outperform	main
2019-05-01	Bank of America	Buy	Buy	main
2019-05-01	Canaccord Genuity	Buy	Buy	main
2019-05-17	Nomura	Neutral		main
2019-05-23	UBS	Buy		main
2019-05-28	Citi	Buy		main
2019-05-30	Morgan Stanley	Overweight		main
2019-05-30	Morgan Stanley	Overweight		main
2019-06-04	Canaccord Genuity	Buy		main
2019-06-06	Evercore ISI Group	Outperform		init
2019-06-20	Deutsche Bank	Hold		init
2019-07-08	Rosenblatt	Sell	Neutral	down
2019-07-09	JP Morgan	Overweight		main
2019-07-17	Goldman Sachs	Neutral		main
2019-07-18	Raymond James	Outperform	Market Perform	up

2019-07-19	Nomura	Neutral		main
2019-07-22	Morgan Stanley	Overweight		main
2019-07-29	UBS	Buy		main
2019-07-31	Wedbush	Outperform		main
2019-07-31	Nomura	Neutral		main
2019-07-31	Canaccord Genuity	Buy		main
2019-07-31	Piper Jaffray	Overweight		main
2019-07-31	Citigroup	Buy		main
2019-07-31	Bank of America	Buy		main
2019-07-31	Deutsche Bank	Hold		main
2019-07-31	Cowen & Co.	Outperform		main
2019-08-08	Barclays	Equal-Weight		init
2019-09-11	Needham	Strong Buy		main
2019-09-11	Barclays	Equal-Weight		main
2019-09-11	Bank of America	Buy		reit
2019-09-13	Goldman Sachs	Neutral		main
2019-09-20	Cascend	Buy		reit
2019-09-30	JP Morgan	Overweight		main
2019-10-07	Nomura	Neutral		main

2019-10-09	Canaccord Genuity	Buy		main
2019-10-10	Longbow Research	Buy	Neutral	up
2019-10-11	Wedbush	Outperform		main
2019-10-17	Barclays	Equal-Weight		main
2019-10-21	Raymond James	Outperform		main
2019-10-22	Deutsche Bank	Hold		main
2019-10-23	Morgan Stanley	Overweight		main
2019-10-24	UBS	Buy		main
2019-10-25	Cascend	Buy		reit
2019-10-28	Jefferies	Buy		main
2019-10-28	Bank of America	Buy		main
2019-10-28	Credit Suisse	Neutral		main
2019-10-31	Nomura	Neutral		main
2019-10-31	Morgan Stanley	Overweight		main
2019-10-31	UBS	Buy		main
2019-10-31	Wells Fargo	Market Perform		main
2019-10-31	Cascend	Buy		main
2019-10-31	Wedbush	Outperform		main
2019-10-31	Piper Jaffray	Overweight		main



2019-10-31	Barclays	Equal-Weight		main
2019-10-31	Canaccord Genuity	Buy		main
2019-10-31	Cowen & Co.	Outperform		main
2019-10-31	DA Davidson	Buy		main
2019-11-13	RBC Capital	Outperform		init
2019-11-14	Maxim Group	Sell	Hold	down
2019-11-15	Wedbush	Outperform		main
2019-11-15	Piper Jaffray	Overweight		main
2019-11-15	JP Morgan	Overweight		main
2019-11-26	Cascend	Buy		reit
2019-12-02	JP Morgan	Overweight		main
2019-12-09	China Renaissance	Buy		init
2019-12-11	Evercore ISI Group	Outperform		main
2019-12-17	Cowen & Co.	Outperform		main
2019-12-20	PiperJaffray	Outperform		main
2019-12-23	Wedbush	Outperform		main
2020-01-03	Bank of America	Buy		main
2020-01-03	RBC Capital	Outperform		main
2020-01-06	Cascend	Buy		reit

2020-01-06	Needham	Buy	Strong Buy	down
2020-01-09	Jefferies	Buy		main
2020-01-13	DA Davidson	Buy		main
2020-01-14	UBS	Buy		main
2020-01-14	Atlantic Equities	Underweight	Neutral	down
2020-01-15	Canaccord Genuity	Buy		main
2020-01-17	Nomura Instinet	Neutral		main
2020-01-17	Morgan Stanley	Overweight		main
2020-01-23	B of A Securities	Buy		main
2020-01-24	Cowen & Co.	Outperform		main
2020-01-24	Wedbush	Outperform		main
2020-01-24	Rosenblatt	Sell		main
2020-01-27	Deutsche Bank	Hold		main
2020-01-29	Piper Sandler	Overweight		main
2020-01-29	Citigroup	Buy		main
2020-01-29	Raymond James	Outperform		main
2020-01-29	JP Morgan	Overweight		main
2020-01-29	Credit Suisse	Neutral		main
2020-01-29	Cowen & Co.	Outperform		main

2020-01-29	RBC Capital	Outperform		main
2020-01-29	Evercore ISI Group	Outperform		main
2020-01-29	Goldman Sachs	Neutral		main
2020-01-29	Maxim Group	Hold	Sell	up
2020-01-29	B of A Securities	Buy		reit
2020-01-29	Cascend	Buy		reit
2020-01-29	DA Davidson	Buy		main
2020-01-29	Nomura	Neutral		main
2020-01-29	Monness Crespi Hardt	Buy		main
2020-01-29	Deutsche Bank	Hold		main
2020-01-29	Wells Fargo	Equal-Weight		main
2020-01-29	Baird	Outperform		main
2020-01-30	B of A Securities	Buy	Hold	up
2020-02-18	Canaccord Genuity	Buy		main
2020-02-18	Barclays	Equal-Weight		main
2020-03-02	Cascend	Buy		reit
2020-03-02	Oppenheimer	Outperform	Perform	up
2020-03-06	Deutsche Bank	Hold		main
2020-03-10	UBS	Buy		main

2020-03-11	B of A Securities	Buy		reit
2020-03-13	Wells Fargo	Overweight	Equal-Weight	up
2020-03-17	Morgan Stanley	Overweight		main
2020-03-17	Jefferies	Buy		reit
2020-03-19	Canaccord Genuity	Buy		main
2020-03-23	Nomura Instinet	Neutral		main
2020-03-25	Deutsche Bank	Buy	Hold	up
2020-03-30	UBS	Buy		main
2020-04-03	Morgan Stanley	Overweight		main
2020-04-03	Credit Suisse	Neutral		main
2020-04-08	JP Morgan	Overweight		main
2020-04-09	Nomura	Neutral		main
2020-04-13	Raymond James	Outperform		main
2020-04-16	Deutsche Bank	Buy		main
2020-04-17	Goldman Sachs	Sell	Neutral	down
2020-04-23	Daiwa Capital	Outperform	Buy	down
2020-04-27	B of A Securities	Buy		reit
2020-05-01	Canaccord Genuity	Buy		main
2020-05-01	Nomura Instinet	Neutral		main

2020-05-01	UBS	Buy		main
2020-05-01	B of A Securities	Buy		reit
2020-05-01	Raymond James	Outperform		main
2020-05-01	Morgan Stanley	Overweight		main
2020-05-01	JP Morgan	Overweight		main
2020-05-01	Cascend	Buy		main
2020-05-01	Piper Sandler	Overweight		main
2020-05-01	DA Davidson	Buy		main
2020-05-12	Wedbush	Outperform		main
2020-05-27	Deutsche Bank	Buy		main
2020-05-27	B of A Securities	Buy		main
2020-06-03	Morgan Stanley	Overweight		main
2020-06-05	Wedbush	Outperform		main
2020-06-05	Credit Suisse	Neutral		main
2020-06-10	Deutsche Bank	Buy		main
2020-06-11	B of A Securities	Buy		main
2020-06-11	Wells Fargo	Overweight		main
2020-06-11	HSBC	Hold	Reduce	up
2020-06-16	Citigroup	Buy		main

2020-06-17	RBC Capital	Outperform		main
2020-06-22	Cowen & Co.	Outperform		main
2020-06-23	Baird	Outperform		main
2020-06-23	Bernstein	Market Perform		main
2020-06-23	Deutsche Bank	Buy		main
2020-06-23	UBS	Buy		main
2020-06-25	Wedbush	Outperform		main
2020-07-07	Cascend	Buy		main
2020-07-07	Raymond James	Outperform		reit
2020-07-13	Morgan Stanley	Overweight		main
2020-07-13	Wedbush	Outperform		main
2020-07-15	Needham	Buy		main
2020-07-24	Wolfe Research	Underperform		init
2020-07-29	Credit Suisse	Neutral		main
2020-07-31	Citigroup	Buy		main
2020-07-31	UBS	Buy		main
2020-07-31	Raymond James	Outperform		main
2020-07-31	Wedbush	Outperform		main
2020-07-31	Credit Suisse	Neutral		main

2020-07-31	Cascend	Buy		main
2020-07-31	Morgan Stanley	Overweight		main
2020-07-31	Canaccord Genuity	Buy		main
2020-08-05	Wells Fargo	Overweight		main
2020-08-05	B of A Securities	Neutral	Buy	down
2020-08-10	Wedbush	Outperform		main
2020-08-24	Morgan Stanley	Overweight		main
2020-08-25	Wedbush	Outperform		main
2020-08-25	Cowen & Co.	Outperform		main
2020-08-31	Argus Research	Buy		main
2020-08-31	Wedbush	Outperform		main
2020-09-01	Bank of America	Neutral		reit
2020-09-01	B of A Securities	Neutral		main
2020-09-01	JP Morgan	Overweight		main
2020-09-16	Needham	Buy		main
2020-09-17	Jefferies	Buy		main
2020-09-21	Citigroup	Buy		main
2020-09-22	Raymond James	Outperform		main
2020-10-12	RBC Capital	Outperform		main

2020-10-14	Credit Suisse	Neutral		main
2020-10-14	Morgan Stanley	Overweight		main
2020-10-22	Piper Sandler	Overweight		main
2020-10-30	Raymond James	Outperform		main
2020-11-30	Loop Capital	Buy	Hold	up
2020-12-09	Wedbush	Outperform		main
2020-12-15	Cascend	Buy		main
2020-12-16	Morgan Stanley	Overweight		main
2021-01-05	Credit Suisse	Neutral		main
2021-01-05	Canaccord Genuity	Buy		main
2021-01-14	Barclays	Equal-Weight		main
2021-01-21	Morgan Stanley	Overweight		main
2021-01-22	Cowen & Co.	Outperform		main
2021-01-25	Evercore ISI Group	Outperform		main
2021-01-25	Raymond James	Outperform		main
2021-01-25	Wedbush	Outperform		main
2021-01-26	Cascend	Buy		main
2021-01-28	Morgan Stanley	Overweight		main
2021-01-28	Needham	Buy		main



2021-01-28	Raymond James	Outperform		main
2021-01-28	Credit Suisse	Neutral		main
2021-01-28	Canaccord Genuity	Buy		main
2021-01-28	Piper Sandler	Overweight		main
2021-01-28	Wells Fargo	Overweight		main
2021-01-28	Deutsche Bank	Buy		main
2021-01-28	DA Davidson	Buy		main
2021-01-28	Bernstein	Market Perform		main
2021-03-10	Wedbush	Outperform		main
2021-03-16	Evercore ISI Group	Outperform		main
2021-03-31	UBS	Buy	Neutral	up
2021-04-06	Morgan Stanley	Overweight		main
2021-04-16	Morgan Stanley	Overweight		main
2021-04-21	Morgan Stanley	Overweight		main
2021-04-29	Goldman Sachs	Neutral	Sell	up
2021-04-29	Raymond James	Outperform		main
2021-04-29	Morgan Stanley	Overweight		main
2021-04-29	Wedbush	Outperform		main
2021-04-29	Canaccord Genuity	Buy		main

2021-04-29	Credit Suisse	Neutral		main
2021-04-29	Barclays	Equal-Weight		main
2021-04-29	Jefferies	Buy		main
2021-04-29	Monness, Crespi, Hardt	Buy		main
2021-05-19	Barclays	Equal-Weight		main
2021-05-28	New Street Research	Sell	Neutral	down
2021-06-24	Morgan Stanley	Overweight		main
2021-07-06	JP Morgan	Overweight		main
2021-07-14	JP Morgan	Overweight		main
2021-07-15	Morgan Stanley	Overweight		main
2021-07-20	UBS	Buy		main
2021-07-22	Canaccord Genuity	Buy		main
2021-07-28	Barclays	Equal-Weight		main
2021-07-28	Morgan Stanley	Overweight		main
2021-07-28	Wells Fargo	Overweight		main
2021-07-28	Canaccord Genuity	Buy		main
2021-07-28	Deutsche Bank	Buy		main
2021-07-28	Loop Capital	Buy		main
2021-07-28	Piper Sandler	Overweight		main

2021-09-01	Wolfe Research	Peer Perform	Underperform	up
2021-09-09	Piper Sandler	Overweight		main
2021-09-22	Tigress Financial	Strong Buy		main
2021-10-19	DA Davidson	Buy		main
2021-10-27	Morgan Stanley	Overweight		main
2021-10-29	Morgan Stanley	Overweight		main
2021-10-29	Barclays	Equal-Weight		main
2021-10-29	Oppenheimer	Outperform		main
2021-12-02	Wedbush	Outperform		main
2021-12-06	Keybanc	Overweight		init
2021-12-07	Morgan Stanley	Overweight		main
2021-12-13	JP Morgan	Overweight		main
2021-12-14	Evercore ISI Group	Outperform		main
2021-12-14	B of A Securities	Buy	Neutral	up
2021-12-22	Citigroup	Buy		main
2022-01-14	Loop Capital	Buy		main
2022-01-21	Wells Fargo	Overweight		main
2022-01-28	Barclays	Equal-Weight		main
2022-01-28	Raymond James	Outperform		main

2022-01-28	UBS	Buy		main
2022-01-28	Deutsche Bank	Buy		main
2022-01-28	New Street Research	Neutral	Sell	up
2022-01-28	Oppenheimer	Outperform		main
2022-01-28	Morgan Stanley	Overweight		main
2022-01-31	Credit Suisse	Neutral		main
2022-02-15	Tigress Financial	Strong Buy		main
2022-03-11	Barclays	Equal-Weight		main
2022-04-19	Rosenblatt	Neutral		init
2022-04-29	Credit Suisse	Neutral		main
2022-04-29	Deutsche Bank	Buy		main
2022-04-29	Morgan Stanley	Overweight		main
2022-04-29	JP Morgan	Overweight		main
2022-04-29	Piper Sandler	Overweight		main
2022-05-02	Rosenblatt	Neutral		main