

# U.S. Building Permits

Haawks ID: | Symbol: USDJPY | Importance: \*\*\* | Positive Deviation: bullish

## Description:

Building Permits measures the change in the number of new building permits issued by the government. Building permits are a key indicator of demand in the housing market. A higher than expected reading should be taken as positive/bullish for the USD, while a lower than expected reading should be taken as negative/bearish for the USD.

## Note:

The data below was calculated using historic news & tick data of 76 releases from 2017-01-19 to 2023-02-16.

It combines the data from releases with positive deviations and releases with negative deviations. For the releases with negative deviations, the pip movements were multiplied by -1 to conform with the data from positive deviations. If a higher deviation is bullish for the trading symbol, a positive number signifies movement in the expected direction and a negative number signifies movement in the opposite direction. If a higher deviation is bearish then the opposite is true.

## Key:

Name	Meaning
Time Delta	The amount of time elapsed after the news release
Range	The range of the pip movements
Mean	The mean average of the pip movements for all releases for each trigger
Median	The median average of the pip movements of all releases for each trigger
Correlation 1 Score (c_1)	Percentage of how many times the asset moved in the expected direction
Correlation 2 Score (c_2)	Percentage of pips which moved in the expected direction vs. the opposite direction
Correlation 3 Score (c_3)	The mean average of the Correlation 1 & 2 scores

Trigger 1: +-0.015M

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
1s	(-0.4, 2.9)	0.4	0.2	70.0	88.0	79.0	83.3	89.3	86.3
2s	(-0.4, 4.4)	0.6	0.0	50.0	91.3	70.7	66.7	86.4	76.6
3s	(-0.4, 4.8)	0.7	0.3	70.0	95.1	82.5	83.3	97.5	90.4
4s	(-0.5, 4.0)	0.9	0.4	80.0	91.7	85.8	83.3	95.8	89.6
5s	(-1.0, 3.4)	0.9	0.4	80.0	87.7	83.8	83.3	92.3	87.8
10s	(-3.6, 5.0)	0.3	0.5	70.0	59.0	64.5	66.7	49.7	58.2
15s	(-7.3, 10.7)	0.9	0.1	60.0	63.7	61.9	66.7	51.8	59.2
20s	(-7.8, 9.2)	0.4	-0.2	50.0	56.8	53.4	50.0	43.5	46.8
25s	(-8.1, 7.8)	0.3	0.5	60.0	55.0	57.5	66.7	48.4	57.6
30s	(-8.1, 7.7)	0.1	-0.0	40.0	51.4	45.7	50.0	35.5	42.8
45s	(-3.9, 4.9)	0.6	0.5	70.0	61.8	65.9	50.0	54.8	52.4
1m	(-4.2, 4.6)	0.7	0.9	70.0	63.6	66.8	50.0	62.7	56.4
2m	(-13.5, 5.7)	1.0	1.6	80.0	60.7	70.3	66.7	70.9	68.8
3m	(-25.9, 14.3)	1.0	2.4	80.0	56.9	68.5	66.7	63.3	65.0

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
4m	(-29.4, 9.6)	0.0	2.3	80.0	50.0	65.0	66.7	57.1	61.9
5m	(-33.5, 13.6)	0.1	2.8	70.0	50.5	60.2	83.3	57.1	70.2
10m	(-25.7, 13.3)	-0.2	0.3	70.0	48.8	59.4	50.0	42.5	46.2
15m	(-24.1, 9.7)	-0.2	0.6	60.0	48.3	54.1	50.0	44.9	47.4
<b>Total/ Averages</b>	<b>(-33.5, 14.3)</b>	<b>0.5</b>	<b>0.8</b>	<b>67.2</b>	<b>65.6</b>	<b>66.4</b>	<b>65.7</b>	<b>63.5</b>	<b>64.6</b>

Trigger 2: +-0.03M

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
1s	(-0.7, 3.9)	0.4	0.0	35.3	76.9	56.1	46.2	60.3	53.2
2s	(-8.2, 2.5)	-0.4	-0.0	47.1	34.6	40.9	46.2	33.2	39.7
3s	(-6.1, 4.6)	-0.2	0.2	52.9	42.2	47.5	53.8	35.9	44.8
4s	(-6.9, 5.4)	-0.4	0.0	41.2	38.1	39.7	46.2	26.3	36.2
5s	(-4.5, 5.4)	-0.3	-0.1	47.1	40.5	43.8	38.5	25.9	32.2
10s	(-20.5, 4.5)	-1.4	0.0	41.2	23.2	32.2	46.2	17.1	31.6
15s	(-16.6, 6.0)	-0.9	0.0	47.1	33.9	40.5	53.8	29.4	41.6
20s	(-12.5, 4.1)	-0.6	0.5	58.8	37.6	48.2	53.8	35.9	44.8

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
25s	(-17.7, 4.3)	-1.0	0.7	64.7	34.7	49.7	61.5	35.4	48.4
30s	(-17.0, 4.4)	-1.1	0.3	52.9	31.2	42.0	46.2	26.4	36.3
45s	(-20.4, 7.9)	-1.3	0.5	58.8	31.6	45.2	46.2	24.3	35.2
1m	(-25.2, 6.0)	-1.6	0.4	58.8	29.1	44.0	53.8	27.7	40.8
2m	(-35.1, 6.7)	-2.6	-0.3	47.1	21.3	34.2	38.5	15.4	27.0
3m	(-30.1, 8.8)	-1.8	0.5	52.9	32.2	42.5	53.8	28.3	41.0
4m	(-28.8, 12.6)	-1.6	0.0	47.1	34.4	40.8	53.8	28.3	41.0
5m	(-16.0, 16.7)	-0.5	1.0	58.8	44.3	51.5	53.8	37.6	45.7
10m	(-10.2, 13.3)	-0.0	0.2	52.9	49.5	51.2	46.2	37.0	41.6
15m	(-12.7, 14.0)	-0.6	-1.1	47.1	44.9	46.0	38.5	31.8	35.2
Total/ Averages	(-35.1, 16.7)	-0.9	0.2	50.7	37.8	44.2	48.7	30.9	39.8

Trigger 3: +-0.05M

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
1s	(-1.7, 4.6)	0.4	0.2	52.6	73.5	63.0	60.0	65.9	63.0
2s	(-8.2, 7.5)	0.3	0.1	52.6	59.4	56.0	53.3	50.9	52.1

	time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
	3s	(-14.3, 8.1)	0.1	0.1	57.9	51.5	54.7	60.0	49.3	54.6
	4s	(-17.1, 7.8)	0.0	0.2	57.9	50.5	54.2	60.0	51.6	55.8
	5s	(-16.8, 7.6)	0.2	0.3	68.4	53.8	61.1	66.7	57.1	61.9
	10s	(-19.9, 7.9)	0.1	0.3	57.9	51.2	54.5	60.0	53.9	57.0
	15s	(-17.6, 9.2)	0.2	0.4	63.2	54.3	58.8	66.7	56.6	61.6
	20s	(-18.7, 7.6)	0.3	0.3	57.9	54.7	56.3	60.0	58.4	59.2
	25s	(-19.4, 6.8)	0.1	0.2	52.6	51.8	52.2	53.3	53.6	53.4
	30s	(-19.2, 6.5)	-0.2	0.3	57.9	46.2	52.0	53.3	47.2	50.2
	45s	(-27.9, 7.8)	-0.6	0.7	63.2	41.0	52.1	60.0	47.4	53.7
	1m	(-26.7, 7.6)	-0.2	0.5	57.9	47.7	52.8	60.0	54.6	57.3
	2m	(-21.8, 12.0)	0.8	1.4	63.2	60.3	61.8	66.7	65.4	66.1
	3m	(-14.5, 11.6)	1.4	1.4	63.2	66.5	64.8	66.7	68.9	67.8
	4m	(-11.4, 13.2)	1.3	1.0	63.2	66.5	64.8	66.7	66.5	66.6
	5m	(-7.9, 14.5)	1.4	1.7	68.4	69.6	69.0	73.3	69.8	71.6
	10m		0.0	1.2	57.9	50.0	54.0	53.3	46.5	49.9

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
	(-21.0, 15.1)								
15m	(-20.2, 18.3)	0.4	1.6	57.9	54.1	56.0	60.0	50.7	55.4
<b>Total/ Averages</b>	<b>(-27.9, 18.3)</b>	<b>0.3</b>	<b>0.7</b>	<b>59.7</b>	<b>55.7</b>	<b>57.7</b>	<b>61.1</b>	<b>56.3</b>	<b>58.7</b>

**Trigger 4: +-0.09M**

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
1s	(-1.4, 0.9)	-0.1	0.0	35.7	30.4	33.0	40.0	17.8	28.9
2s	(-1.2, 3.3)	0.2	0.1	64.3	70.8	67.5	60.0	61.0	60.5
3s	(-1.2, 2.6)	0.2	0.1	57.1	64.0	60.5	60.0	55.0	57.5
4s	(-3.2, 1.5)	0.1	0.2	71.4	54.7	63.1	70.0	58.7	64.4
5s	(-3.2, 1.4)	0.1	0.2	78.6	59.3	68.9	70.0	69.0	69.5
10s	(-4.7, 9.1)	0.9	0.2	71.4	75.6	73.5	70.0	77.1	73.6
15s	(-4.9, 11.9)	1.1	0.5	71.4	76.2	73.8	70.0	75.2	72.6
20s	(-5.4, 14.1)	1.3	0.5	64.3	77.7	71.0	70.0	74.6	72.3
25s	(-6.0, 16.4)	1.5	0.7	64.3	78.0	71.2	70.0	74.1	72.0
30s	(-5.6, 20.1)	1.8	0.7	57.1	78.5	67.8	70.0	71.6	70.8

time_delta	range	mean	median	c1	c2	c3	c1_ema5	c2_ema5	c3_ema5
45s	(-4.9, 19.7)	1.9	0.4	57.1	81.5	69.3	60.0	76.0	68.0
1m	(-5.6, 12.3)	1.3	0.6	57.1	74.5	65.8	60.0	73.1	66.6
2m	(-7.2, 9.2)	2.1	1.9	85.7	78.6	82.2	80.0	87.7	83.8
3m	(-6.0, 7.5)	2.3	2.6	71.4	80.9	76.2	80.0	88.0	84.0
4m	(-6.3, 9.4)	2.6	2.6	78.6	84.7	81.7	80.0	91.8	85.9
5m	(-4.7, 18.1)	4.2	3.3	85.7	92.9	89.3	90.0	96.4	93.2
10m	(-7.1, 23.8)	4.6	3.7	78.6	84.7	81.7	80.0	89.3	84.6
15m	(-19.4, 25.1)	4.7	3.7	78.6	80.0	79.3	80.0	86.8	83.4
Total/ Averages	(-19.4, 25.1)	1.7	1.2	68.2	73.5	70.9	70.0	73.5	71.8