

Analysera och plotta data

Binna och hämta myondata

← → ↻ Not secure myondata.vetenskapshus.se 1

FluxLite data

Flight: Flux Lite 2020 2

X-axis data: Altitude 3

Data-binning

Column: Time stamp

Width: 30 4 s

Axis options

Flux Lite 2020 data plot 5

Get data

Legend:

- Time stamp
- Vertical coincidence
- Diagonal coincidence
- Horizontal coincidence
- Detector-0 particle count
- Detector-1 particle count
- Detector-2 particle count
- Temperature
- Internal temperature
- Relative humidity
- Vertical voltage
- Diagonal voltage
- Horizontal voltage
- Magnetic flux density
- Pressure

Importer data

1

2

3

4

5

Import

Use first row as column headers

Use imported grid to replace references to grid Unnamed grid 1

Also remove grid "Unnamed grid 1"

Upload By URL SQL Examples

Upload

OR

drag and drop your files

(Supported file types: CSV, single-sheet Excel files)

Open

File name: fluxlite20.csv

All Files (*.*)

Open Cancel

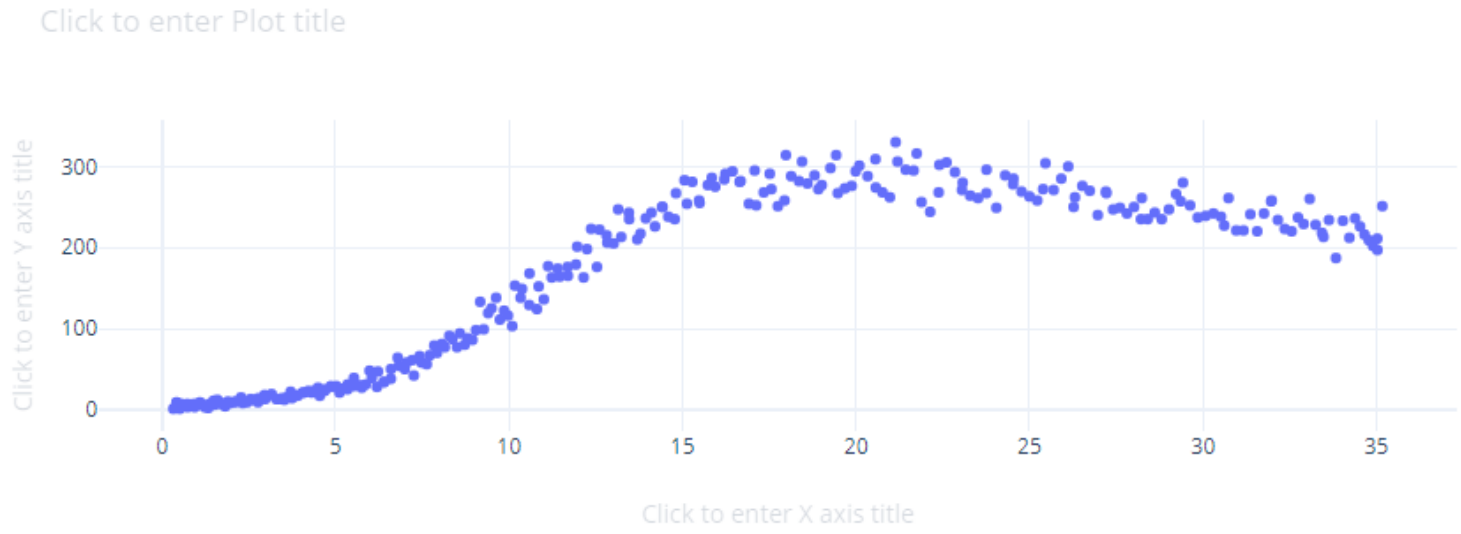
Skapa plot

The image shows the Plotly Chart Studio interface. On the left is a sidebar with navigation options: Structure, Traces, Subplots, Transforms, Theme, Style, Annotate, Analyze, Export, and JSON. At the bottom of the sidebar are 'Save' and 'Share' buttons. The main area shows a configuration panel for 'trace 0'. A '+ Trace' button is at the top right of the panel. The 'Type' dropdown is set to 'Scatter'. The 'X' axis is configured with the expression ''Altitude''. The 'Y' axis is configured with the expression ''Vertical coincidence''. Red circles and numbers 1, 2, 3, and 4 highlight these specific elements: 1 points to the '+ Trace' button, 2 to the 'Scatter' type, 3 to the X-axis expression, and 4 to the Y-axis expression.

1

fluxlite20.csv

	'Altitude'	'Time stamp'	'Vertical coincidence'	'Diagonal coincidence'	'Horizontal coincidence'	'Detector 0 particle count'	'Detector 1 part'
1	'km'	's'	'#'	'#'	'#'	'#'	'#'
2	0.4173036678258064	-483	8	0	1	313	248
3	0.41894708276129033	-452	7	4	0	289	220
4	0.4175326503935484	-421	9	5	3	310	250
5	0.42682265437096767	-390	5	2	3	282	257



Begränsa datamängd

The image shows the Plotly Chart Studio interface. On the left is a sidebar with navigation options: Structure, Traces, Subplots, Transforms, Theme, Style, Annotate, Analyze, Export, and JSON. A 'Save' button is at the bottom. The main area displays a scatter plot of blue data points. Above the plot is a data table with columns: 'Altitude', 'Time stamp', 'Vertical coincidence', 'Diagonal coincidence', 'Horizontal coincidence', 'Detector 0 particle count', and 'Detector 1 particle count'. A context menu is open over the table, with 'Remove selected row(s)' highlighted. Three red circles with numbers 1, 2, and 3 point to specific UI elements: 1 points to the X-axis field in the trace configuration, 2 points to a pie chart icon in the sidebar, and 3 points to the 'Remove selected row(s)' menu item.

	'Altitude'	'Time stamp'	'Vertical coincidence'	'Diagonal coincidence'	'Horizontal coincidence'	'Detector 0 particle count'	'Detector 1 particle count'
66	10.584278602258065	1501	129	56	43	1119	1104
67	10.804951668709677	1532	124	51	41	1202	1151
68	11.004281590322579	1563	136	76	53	1239	1215
69	11.23227530645161	1594	163	72	74	1363	1306
70	11.460562353870968	1625	164	85	66	1414	1318

Lägg till felstaplar

plotly Chart Studio

Hover On: Points

Mode: Values

Show: X, Y, Trace name

Text Alignment: Auto

Error Bars X: None, Symmetric, Asymmetric

Error Bars Y: **Symmetric** (3), None, Asymmetric

Error Type: %, Constant, Data (4)

Color: #636EFA (4)

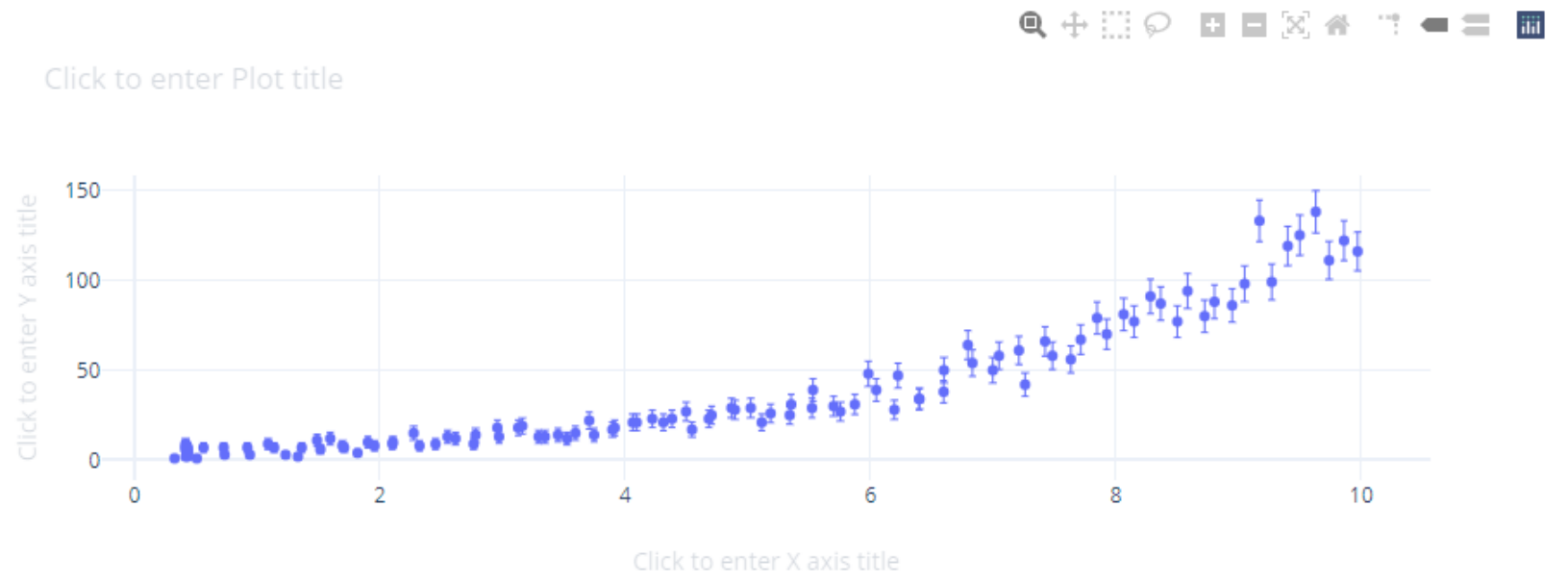
Thickness: 1 (5)

Crossbar Width: 2

Save

fluxlite20.csv

	'Altitude'	'Time stamp'	'Vertical coincidence'	'Diagonal coincidence'	'Horizontal coincidence'	'Detector 0 particle count'	'Detector 1 part'
70	8.388388832223883	6765	77	23	23	537	539
71	8.28115593983871	6740	91	23	32	581	559
72	8.062465577387098	6771	81	17	16	524	537
73	7.845766656483872	6802	79	24	23	514	515
74	7.632184053580647	6833	56	24	13	454	440



Kurvanpassning

plotly Chart Studio

3 **+ Fit**

Fit of trace 0

Select A Trace **trace 0** 4

Only scatter and line charts with X and Y values selected and with no applied transforms are eligible.

Basic Advanced

Analyze 1

Curve Fitting 2

Moving Average

Export

JSON

Save

Share

A + B*Exp(C*X)

Family Function **Exponential** 5

Parameter Estimates

A -3.0004...

B 6.65913...

C 0.30287...

Run 6

fluxlite20.csv

	'Altitude'	'Time stamp'	'Vertical coincidence'	'Diagonal coincidence'	'Horizontal coincidence'	'Detector 0 particle count'	'Detector 1 part'
70	8.35853889222989	6785	77	25	25	697	559
71	8.28115593983871	6740	91	23	32	581	559
72	8.062465577387098	6771	81	17	16	524	537
73	7.845766656483872	6802	79	24	23	514	515
74	7.632184053580647	6833	56	24	13	454	440
75	7.422222222222222	6864	56	24	11	400	400

Click to enter Plot title

Click to enter Y axis title

Click to enter X axis title

● trace 0

— Fit of trace 0

Windows: PrtScn

Mac: Shift + Command + 4

Chromebook: Ctrl + Shift + F5