

BOISKO WIELOFUNKCYJNE

ZESPÓŁ BOISK SPORTOWYCH ORLIK - 2012

Project code: CIASNA DZ. 352/15

Date: 03-07-2012

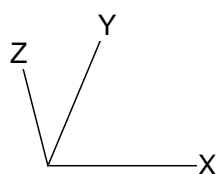
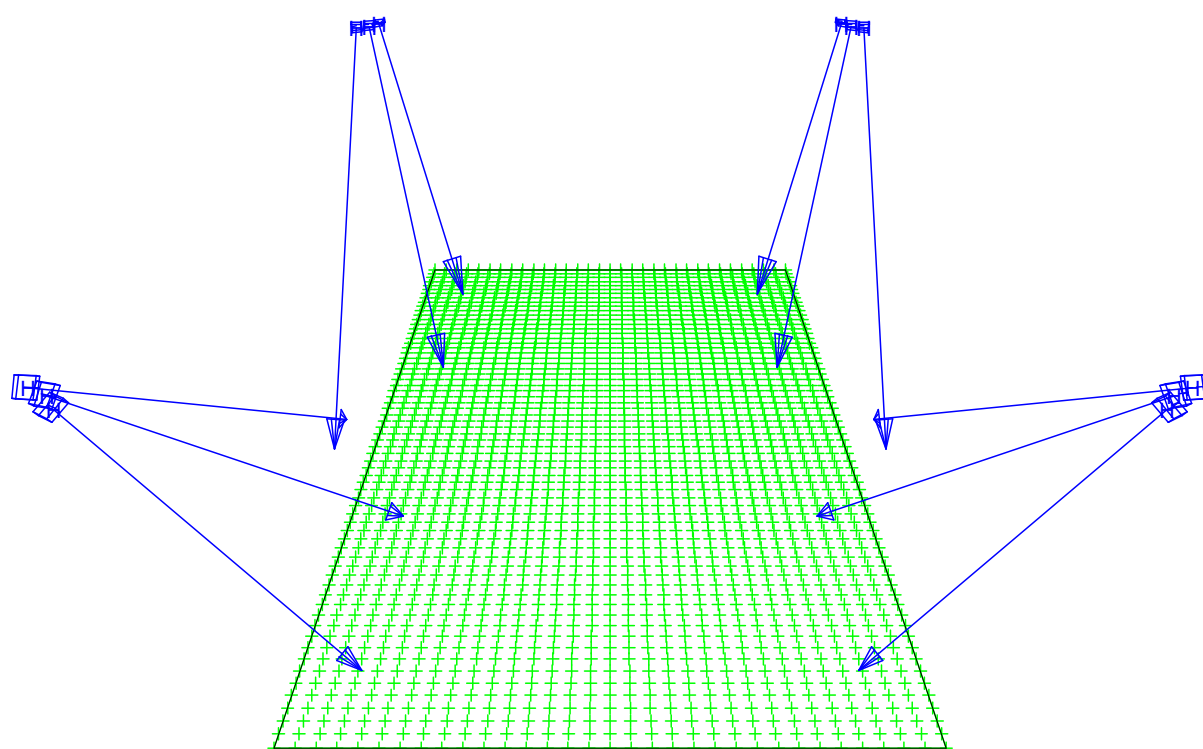
The nominal values shown in this report are the result of precision calculations, based upon precisely positioned luminaires in a fixed relationship to each other and to the area under examination. In practice the values may vary due to tolerances on luminaires, luminaire positioning, reflection properties and electrical supply.

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1. Project Description

1.1 3-D Project Overview



H  POWERLUG 2 AS HQI-BT_1X

2. Summary

2.1 General Information

The overall new value factor used for this project is 1.25.

2.2 Project Luminaires

Code	Qty	Luminaire Type	Lamp Type	Power (W)	Flux (lm)
H	12	POWERLUG 2 AS HQI-BT_1X400W	1 * OSRAM HQI-BT 400W/D	450.0	1 * 35000

The total installed power: 5.40 (kWatt)

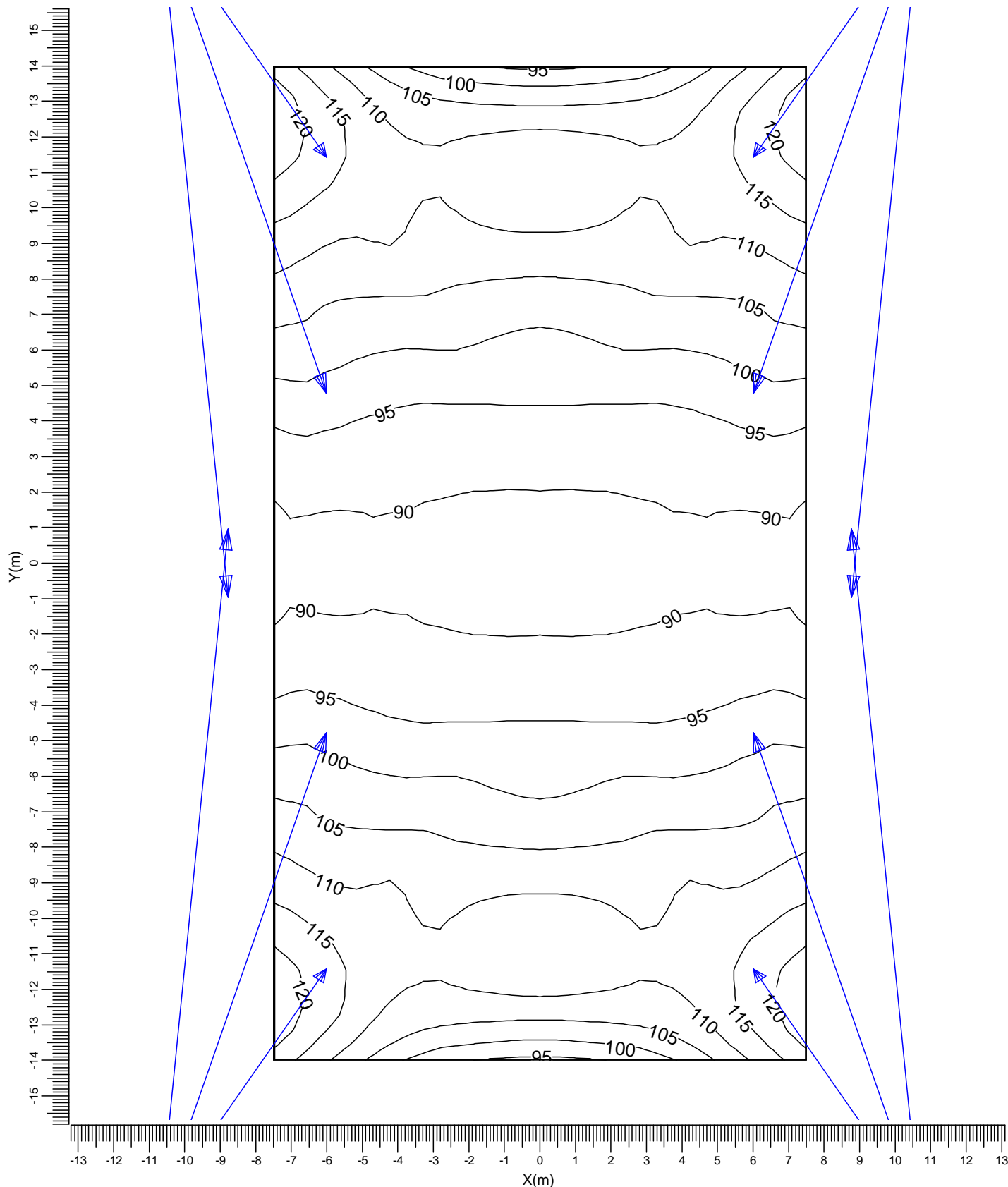
2.3 Calculation Results

(II)luminance Calculations:

Calculation	Type	Unit	Ave	Min	Max	Min/Ave	Min/Max
boisko koszykowki	Surface Illuminance	lux	102	87	123	0.86	0.71

3.2 boisko koszykowki: Iso Contour

Grid : boisko koszykowki at Z = 0.00 m
Calculation : Surface Illuminance (lux)

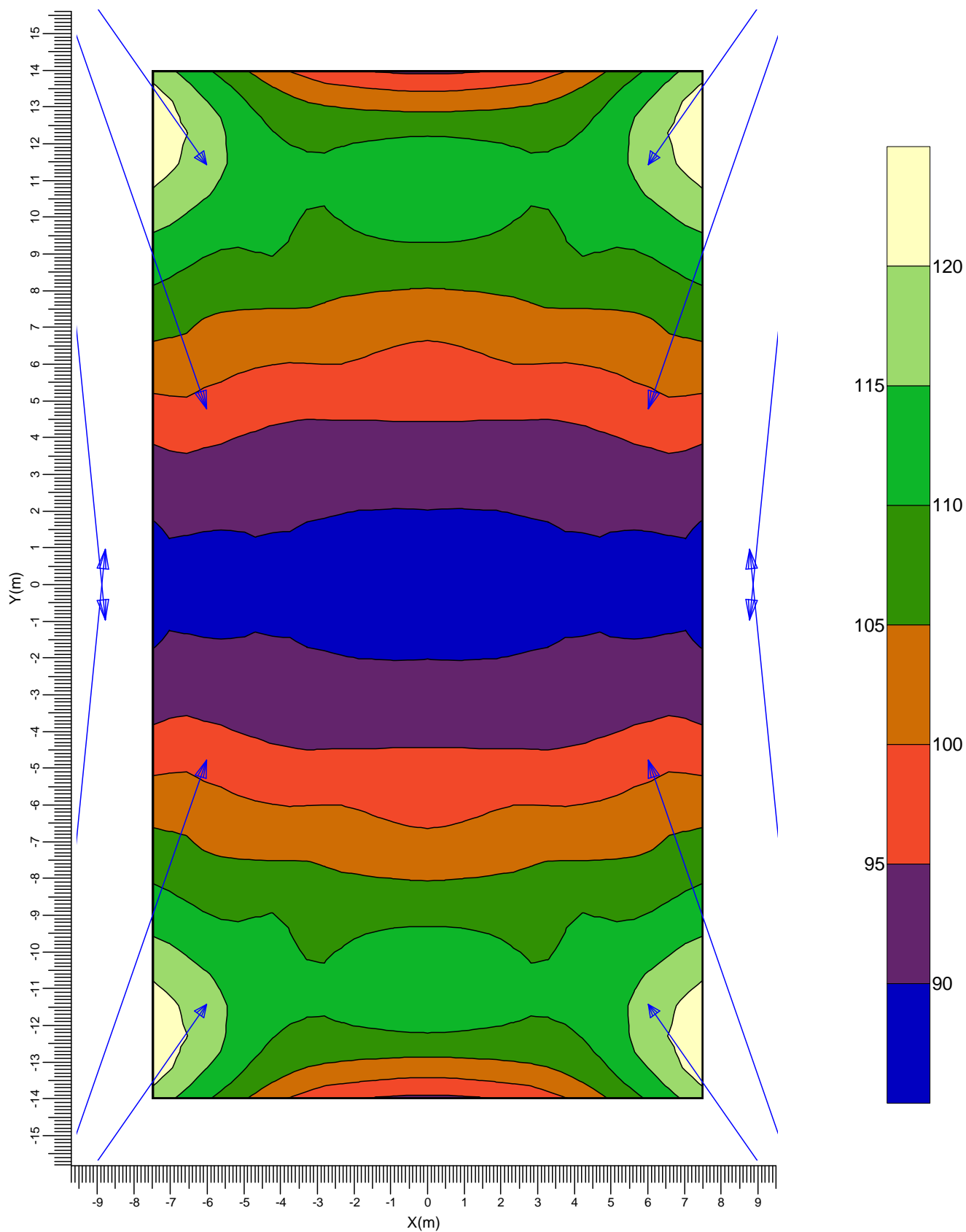


H ———▶ POWERLUG 2 AS HQI-BT_1X

Average	Minimum	Maximum	Min/Ave	Min/Max	Project new value factor	Scale
102	87	123	0.86	0.71	1.25	1:150

3.3 boisko koszykowki: Filled Iso Contour

Grid : boisko koszykowki at Z = 0.00 m
Calculation : Surface Illuminance (lux)



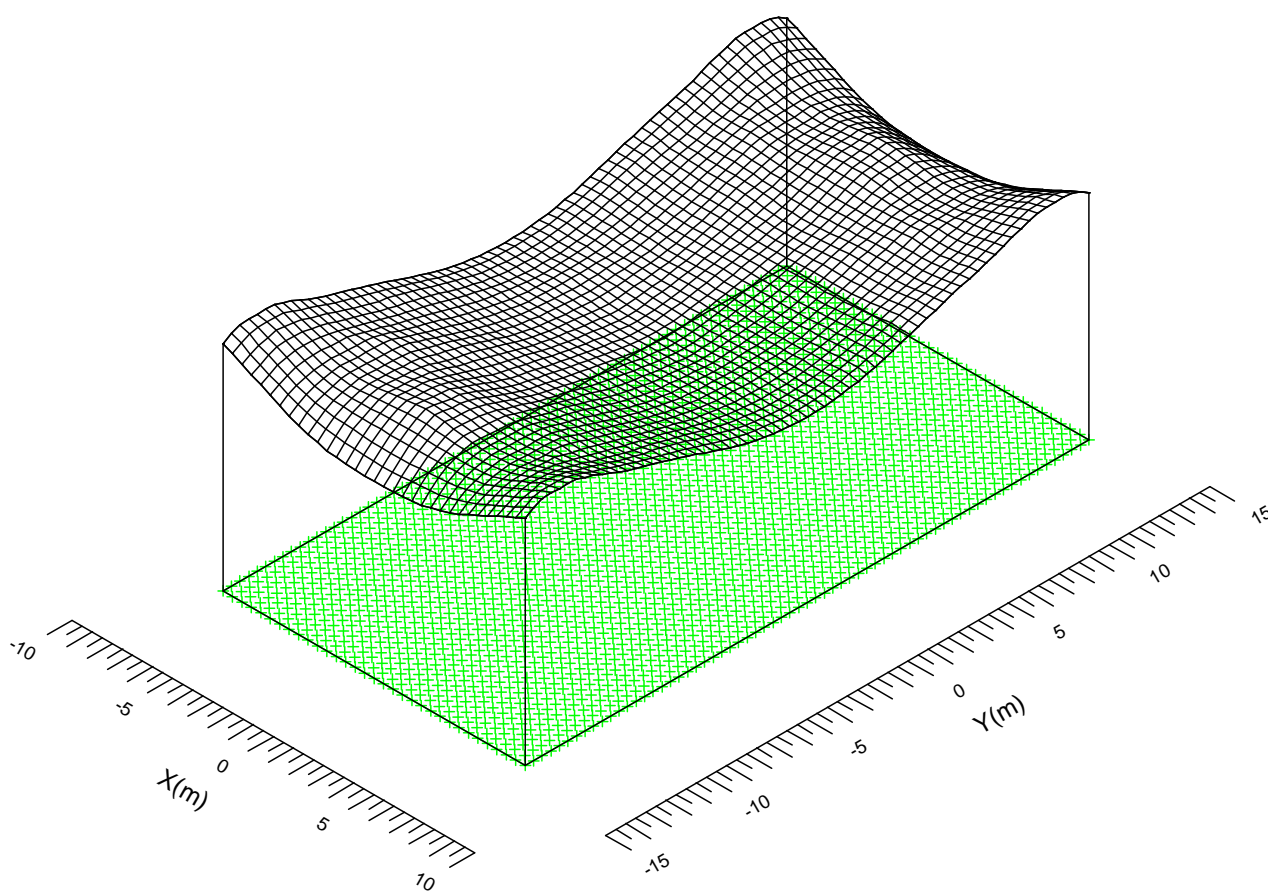
H ———▶ POWERLUG 2 AS HQI-BT_1X

Average	Minimum	Maximum	Min/Ave	Min/Max	Project new value factor
102	87	123	0.86	0.71	1.25

Scale
1:150

3.4 boisko koszykowki: Mountain Plot

Grid : boisko koszykowki at Z = 0.00 m
Calculation : Surface Illuminance (lux)



Average	Minimum	Maximum	Min/Ave	Min/Max	Project new value factor
102	87	123	0.86	0.71	1.25

4. Installation Data

4.1 Legends

Project Luminaires:

Code	Qty	Luminaire Type	Lamp Type	Flux (lm)
H	12	POWERLUG 2 AS HQI-BT_1X400W	1 * OSRAM HQI-BT 400W/D	1 * 35000

4.2 Luminaire Positioning and Orientation

Qty and Code	Position			Aiming Angles		
	X (m)	Y (m)	Z (m)	Rot.	Tilt90	Tilt0
1 * H	-10.44	-15.83	10.00	84.4	59.3	0.0
1 * H	-10.44	15.83	10.00	-84.4	59.3	0.0
1 * H	-9.97	-16.14	10.00	70.8	50.2	0.0
1 * H	-9.97	16.14	10.00	-70.8	50.2	0.0
1 * H	-9.65	-16.64	10.00	55.1	32.4	0.0
1 * H	-9.65	16.64	10.00	-55.1	32.4	0.0
1 * H	9.65	-16.64	10.00	124.9	32.4	0.0
1 * H	9.65	16.64	10.00	-124.9	32.4	0.0
1 * H	9.97	-16.14	10.00	109.2	50.2	0.0
1 * H	9.97	16.14	10.00	-109.2	50.2	0.0
1 * H	10.44	-15.83	10.00	95.6	59.3	0.0
1 * H	10.44	15.83	10.00	-95.6	59.3	0.0