



E E A	ACTIONS	+	LAB	DATABASE	SIMULATION	action	operation	admin
NATO Libya 2011 5/29/2019 3:39:03 AM	Operation - 4 Pre-operation explosive test. 5/5/2019 12:56:01 AM	Operation - 3 Pre-operation explosive test. 5/5/2019 12:55:58 AM	Operation - 2 Pre-operation explosive test. 5/5/2019 12:55:54 AM	Operation-1 Pre-operation explosive test. 5/5/2019 12:55:41 AM	RDX Explosive RDX is an organic compound with the formula (O2NNCH2)3 5/5/2019 12:52:48 AM	C4 Explsoive Composition 4 explosive test. 5/5/2019 12:51:25 AM	MARK SERIES Mark series. H6 explosive test. 5/5/2019 12:50:34 AM	
OP1906200438009 Bani Walid Libya 2011 6/20/2019 4:39:10 AM MAP	OP1906170907017 Deneme mark-82 6/17/2019 9:08:20 AM 3D	OP1905290338506 Bani Walid Libya 2011, GBU-12 5/29/2019 3:41:19 AM 3D	OP1905280833239 MK 82 Series H6 87kg explosive. 5/28/2019 8:33:31 AM 3D	OP1905270447893 Oklahoma Saldırısı Oklahamada gerçekleştirildi 5/27/2019 4:48:29 AM 3D	OP1905050258217 TNT Test 10 kg TNT test. 5/5/2019 2:58:42 AM 3D	OP1905051257183 Mark 84 Bomb H-6 Explosive 896 kg. 5/5/2019 12:59:19 PM 3D	OP1905051249018 Example Test 235 kg TNT 5/5/2019 12:49:26 PM 3D	
OP1905051249046 Example Test 78 kg TNT 5/5/2019 12:49:16 PM 3D	OP1905051248196 Example Test 23 kg TNT 5/5/2019 12:49:05 PM 3D	OP1905051248692 Example Test 88 kg TNT 5/5/2019 12:48:54 PM 3D	OP1905051248804 Example Test 41 kg TNT 5/5/2019 12:48:46 PM 3D	OP1905051248782 Example Test 99 kg TNT 5/5/2019 12:48:39 PM 3D	OP1905051248029 Example Test 84 kg TNT 5/5/2019 12:48:30 PM 3D	OP1905051248506 Example Test 355 kg TNT 5/5/2019 12:48:19 PM 3D	OP1905051248477 Example Test 111 kg TNT 5/5/2019 12:48:10 PM 3D	
OP1905051247444 Example Test 53 kg TNT 5/5/2019 12:47:59 PM 3D	OP1905051247742 Example Test 30 kg TNT 5/5/2019 12:47:49 PM 3D	OP1905051247726 Example Test 55 kg TNT 5/5/2019 12:47:38 PM 3D	OP1905051247068 Example Test 33 kg TNT 5/5/2019 12:47:28 PM 3D	OP1905051247348 Example Test 183 kg TNT 5/5/2019 12:47:11 PM 3D	OP1905051246769 Example Test 103 kg TNT 5/5/2019 12:46:59 PM 3D	OP1905051246028 Example Test 85 kg TNT 5/5/2019 12:46:41 PM 3D	OP1905051246694 Example Test 73 kg TNT 5/5/2019 12:46:28 PM 3D	
OP1905051245617 Example Test	OP1905051245084 Example Test	OP1905051244734 Example Test	OP1905051244867 Example Test	OP1905051244057 Example Test	OP1905051244117 Example Test	OP1905051243601 Example Test	OP1905051243691 Example Test	



INFORMATION

x

Action Name : NATO

Op. Name : Bani Walid

Op. Code : OP1906200438009

MAP INFORMATION

Distance/Scale : 66,39912254 100000 >

Pressure (kPa) : 9,88861193671247 kPa

Location (Move): 29,151411696 16,14457547 >

Location : 29,151238356 16,14392101 >

Map Style :

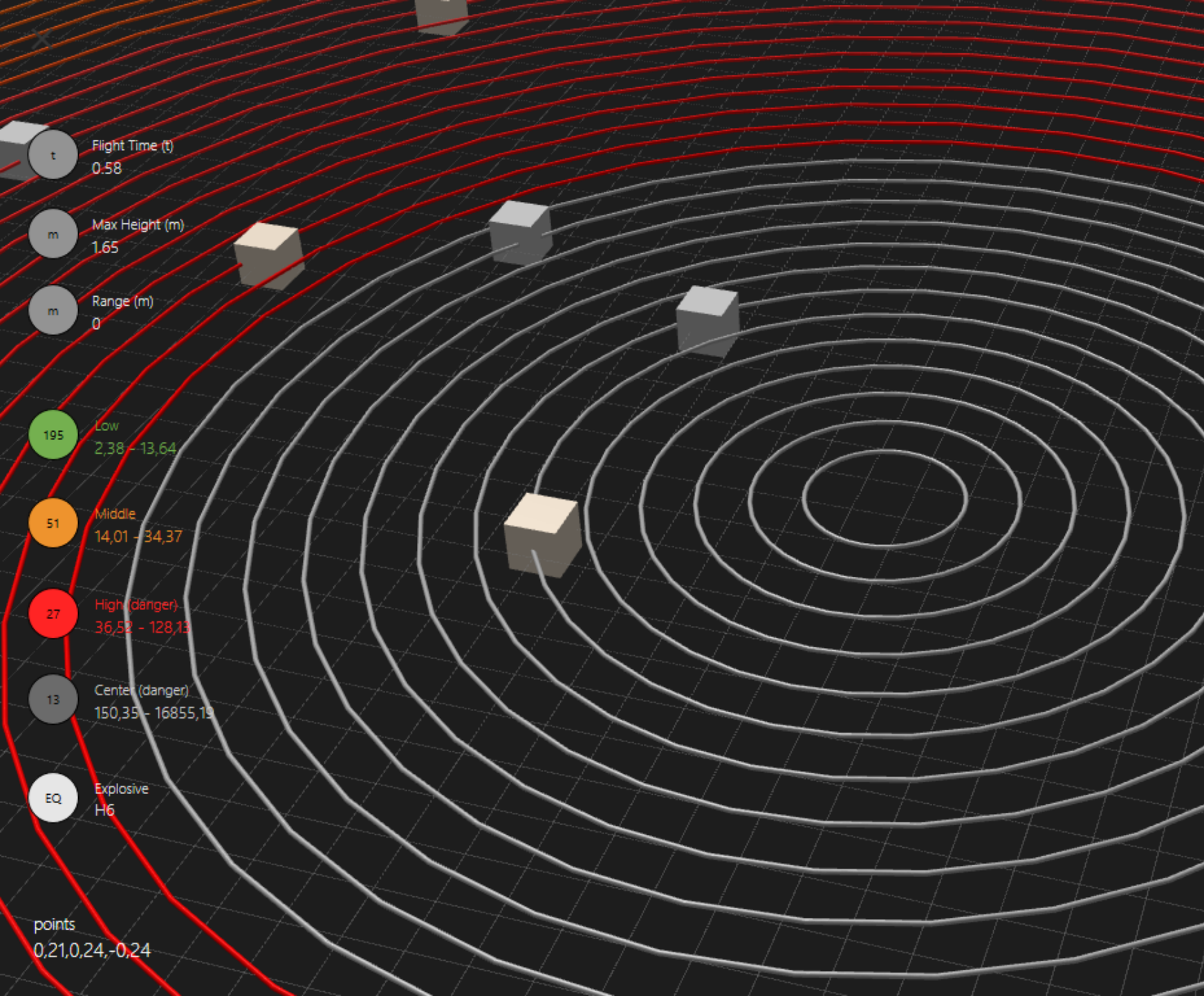
EXPLOSIVE

Explosive : GBU-12 | H6

QTNT / Type : 1,35 EQ H6

Formule : Kingery, Bulmash ▾

Weight : 87



GENERALEXPLOSIVESHRAPNEL

Width / Height :

55

55

Line :

0,00999999977648258

Point (x,y) :

674

394

Area :

3025

Position :

0,21

0,24

-0,24

SET

Rotation Mode :

LEFT

TOP

BOTTOM

RIGHT

F.P Dist / Field :

0,0

Arrow

EFFECTOBJECTS

Mass / Weight :

8,86850152905

87

Components

Index	Object	Incident	Reflected	Time	Meter	Effect	component
13072760	Human	400,969271931979	1665,31937792058	6,27335297483091	8,42953184418413	Danger	HelixToolkit.Wpf.Cul
52260639	Human	60,9526238490799	150,475640987488	29,8974188007101	20,249831150995	Danger	HelixToolkit.Wpf.Cul
583706	Human	23,3259670624031	51,0408728645474	69,9754770645844	35,7503587041665	Danger	HelixToolkit.Wpf.Cul

General

Effects of Blast Overpressure on Human Body

Most people are killed

Ear Damage

Human Ear Damage Due to Blast Pressure.

Threshold of eardrum rupture

50 percent ruptured eardrums



Lung Damage

Human Lung Damage due to Blast Pressure.

Threshold

50 percent damaged lungs

Threshold of lethality

50 percent lethality

Near 100 percent lethality

DETAIL

Effect details.

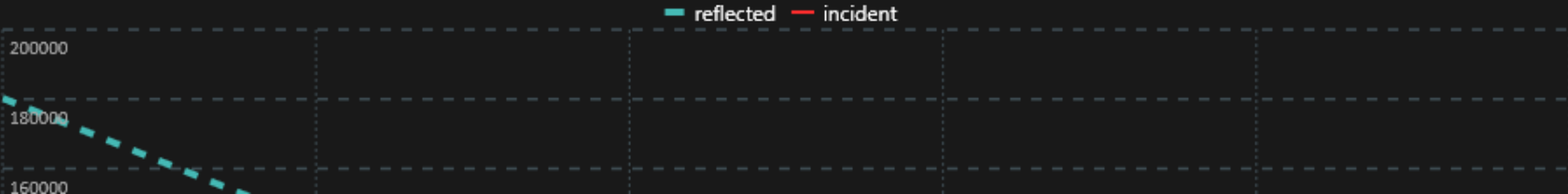
CENTER	Area m2 :	530,929158456675	Pressure (kPa) :	150,35 - 16855,19
HIGH	Area m2 :	1759,29188601028	Pressure (kPa) :	36,52 - 128,13
MIDDLE	Area m2 :	5350,13228906342	Pressure (kPa) :	14,01 - 34,37
LOW	Area m2 :	108466,627957841	Pressure (kPa) :	2,38 - 13,64

Weight (kg) :	Distance (m) :
87	1

16855,1875732043 kPa

RESULT

meter	weight	incidentPres	incidentInpu	reflectedPre	reflectedInp	timeArrival	timeShockV	timePositive	effect	effectDescrip
1	87	16855,1875	1747,92279	180252,400	49676,4363	0,18648458	3950,41842	1,18151144	Ölüm (Yüks	Ölümler (Yü



REACTION

EFFECT

- | | | |
|--------------------|-----|----|
| 1. Zone (Danger) : | 16 | r2 |
| 2. Zone (Hight) : | 35 | r2 |
| 3. Zone (Middle) : | 64 | r2 |
| 4. Zone (Low) : | 245 | r2 |

INFO

Bomb Name : MK-82 - H6

Explosive : H6

WEIGHT
reaction (kg)

171,1

APPLY

1

Flight Time (s)

0.58

m

Max Height (m)

1.65

m

Range (m)

0

195

Low

2.38 - 13.54

51

Middle

14.01 - 34.37

27

High (danger)

36.92 - 128.19

13

Center (danger)

150.35 - 16853.19

EQ

Explosive

H6

points
-8,12,0,12,0,72

EXPLOSIVES								SELECT	
AMMUNITION		EXPLOSIVE							
EID	Name	explosiveWeight	totalWeight	ID	Name	Weight	TNTQ		
2005	GBU-12	87	273	2005	MK-81	44	1.35		
2005	MK-81	44	119	2005	MK-82	87	1.35		
2005	MK-82	87	273	2005	MK-82	87	1.35		
2005	MK-83	202	459	2005	MK-84	429	1.35		
2005	MK-84	429	925	2005	MK-82	87	1.35		
3	BLU-109	240	800	2005	MK-81	44	1.35		
				2005	MK-81	44	1.35		
				2005	MK-84	429	1.35		
				2005	MK-83	202	1.35		
				2005	MK-81	44	1.35		
				2005	GBU-12	87	1.35		
				2005	MK-83	202	1.35		
				2005	MK-84	429	1.35		
				3	BLU-109	240	1		

GENERAL

EXPLOSIVE

SHRAPNEL

6

Multi Explosive

9,81

101,35

1,35

117,45

0

ash

1,35

117,45

2905

87

EQ

Explosive

H6

EQ

Explosive

H6

EQ

Explosive

H6