

Close Air Support Gunnery Scoring System AFGS



- / Live and Academic air-to-ground cannon
- / Small and easily deployable in front of all types of fixed targets

- / Caters for both High angle (30°) and Low angle (10°) strafe
- / Real time scoring available in a 10m vertical bubble



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burst (9) - 11:20:13 (17 hits - 515 ms)
burst (8) - 11:19:08 (25 hits - 406 ms)
burst (7) - 11:18:04 (35 hits - 588 ms)
burst (6) - 11:17:00 (35 hits - 588 ms)

Delete Burst Draw Mission

09/03/21 - 11:19:08 - 1010 hPa - 15 °C

30 mm Ballistic config Scale P2

Académique Hot Pass

Training Success

09/03/21 - 10:09:58 (18) - 11 sat
N 42°10'28"164 - E 9°33'15"623 - 17 m

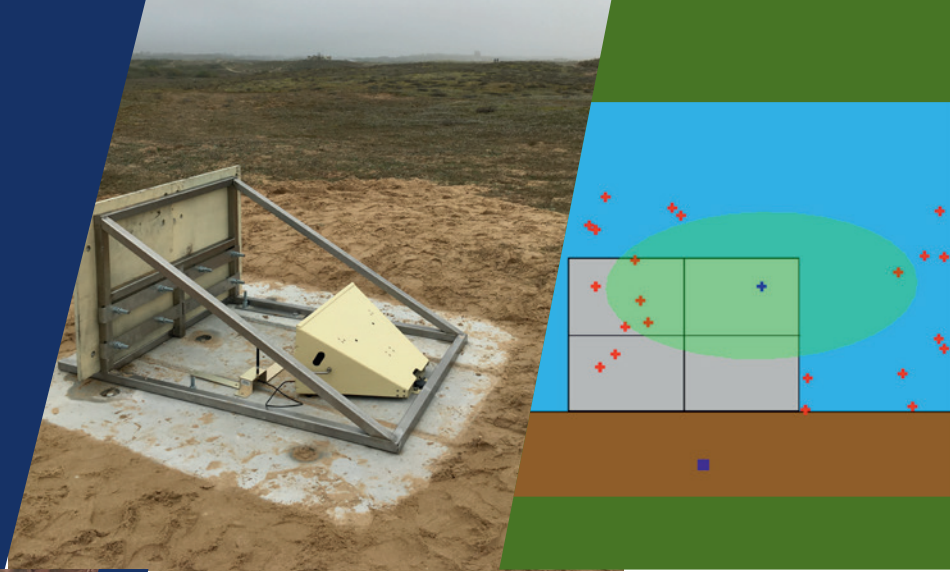
W=10.0m H=10.0m d=0.5m α=286° (5h) σ1=2.7m σ2=1.9m

Time (..)	Gap (ms)	GPS time	Caliber	Distance x (m)	y (m)	In/out
0	0	10:10:02.00	30 mm	2.91	2.89	0.34 in
8	8	10:10:02.01	30 mm	3.78	-3.05	2.24 in
28	20	10:10:02.03	30 mm	2.57	2.54	0.41 in
49	21	10:10:02.05	30 mm	3.86	-3.79	-0.71 in
57	8	10:10:02.06	30 mm	3.04	3.01	0.48 in
67	10	10:10:02.07	30 mm	5.69	-3.29	-4.64 in

Latitude	Altitude	Speed	Satellites	Altitude	Speed	Con
E 9°33'15"536	10 m	2 km/h	10	57	0	0
E 9°33'15"555	12 m	1 km/h	10	58	0	0
E 9°33'15"574	13 m	0 km/h	10	59	0	0
E 9°33'15"588	13 m	0 km/h	11	60	0	0
E 9°33'15"588	14 m	1 km/h	11	60	1	0
E 9°33'15"590	13 m	1 km/h	11	60	0	0
E 9°33'15"602	13 m	0 km/h	10	59	0	0

AFGS

Air-to-ground gunnery scoring solution



TECHNOLOGY

Multi acoustic sensors

ACCURACY

+/- 10%

WEAPONS & CALIBRES

Cannon - 20 to 37 mm

TRANSMISSION

Wireless or cable

POWER

Mains power or internal battery (20 hours battery life)

DIMENSIONS & WEIGHT

Equipment alone: 295 mm x 340 mm x 115 mm (~5,5 kgs)

Support casing: 600 mm x 500 mm x 300 mm (~15 kgs)

APPLICATION

Designed to offer the very best training for fast jet crews firing air-to-ground cannon against ground targets, the AFGS system scores each firing pass precisely and in real time.

SCORING

Consisting of 2 acoustic sensors and an algorithm developed in-house by our engineers, the AFGS System can precisely detect the passage of a supersonic round, on or off the target, within a 10m radius.

Scores are transmitted simultaneously from one or more AFGS systems to the Range Safety Officer and along with other valuable information are displayed on a dedicated computer (MRS) equipped with our scoring software.

PRODUCT

Compact and lightweight, the AFGS system is easily deployable in front of all target types in under 10 minutes. The system can be protected from bullet impacts and ricochets by a mound of sand/earth or by a piece of armoured plate.

The system can score both Low Angle Strafe (10°) and High Angle Strafe (30°).

The ruggedised system is specially designed for use in the harshest of environments (high/low temperature, humidity, dust, etc.).

