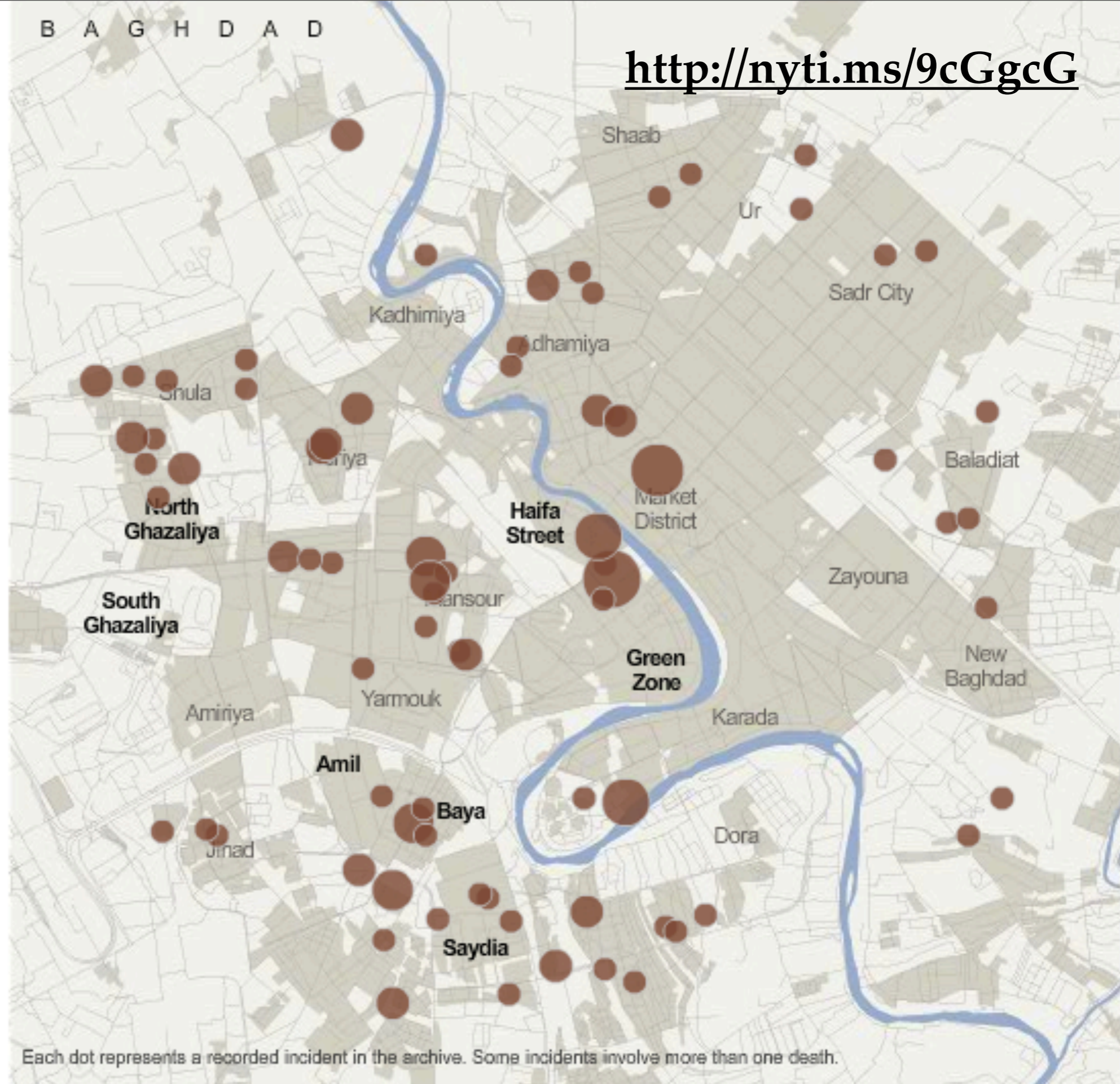# MGRS Explained

Jacob Harris

CAR 2011 Lightning Talk

A Deadly Day In Baghdad

Violence peaked in December 2006, just two months before American troops arrived as part of what was later called "the surge." At right are the details of one of the city's deadliest days, Dec. 20. There were 114 separate episodes of violence that day, resulting in the deaths of about 160 Iraqi citizens and police officers.

BAGHDAD

Shaab

Ur

Sadr City

Kadhimiya

Adhamiya

Shula

Mariya

Baladiat

North Ghazaliya

Haifa Street

Market District

Zayouna

South Ghazaliya

Mansour

Green Zone

New Baghdad

Amiriya

Yarmouk

Karada

Amil

Baya

Dora

Jihad

Saydia

Each dot represents a recorded incident in the archive. Some incidents involve more than one death.

Extreme Sectarian Violence in Baghdad

Friday, February 25, 2011

(CRIMINAL EVENT) MURDER *RPT* BY NOT PROVIDED *IVO* BAGHDAD (ZONE 1)
(ROUTE UNKNOWN): 1 *ISF KIA* 27 *CIV KIA*
28X CORPSES WERE FOUND THROUGHOUT BAGHDAD:

2X HANDCUFFED, BLINDFOLDED, AND SHOT IN THE HEAD IN AL JIHAD
(MB393859, MAHALAH #887, 1136 HRS, HY ALAMIL PS)

2X SHOT IN THE HEAD IN AL HURRIYA (MB367918, 1340 HRS, AL HURIYA PS)

1X SHOT IN THE HEAD IN AL ALAMIL (MB374824, 1400 HRS, HY ALAMIL PS)

1X SHOT IN THE HEAD IN AL JIHAD (MB332816, MAHALAH #895, 1245 HRS, HY
ALAMIL PS)

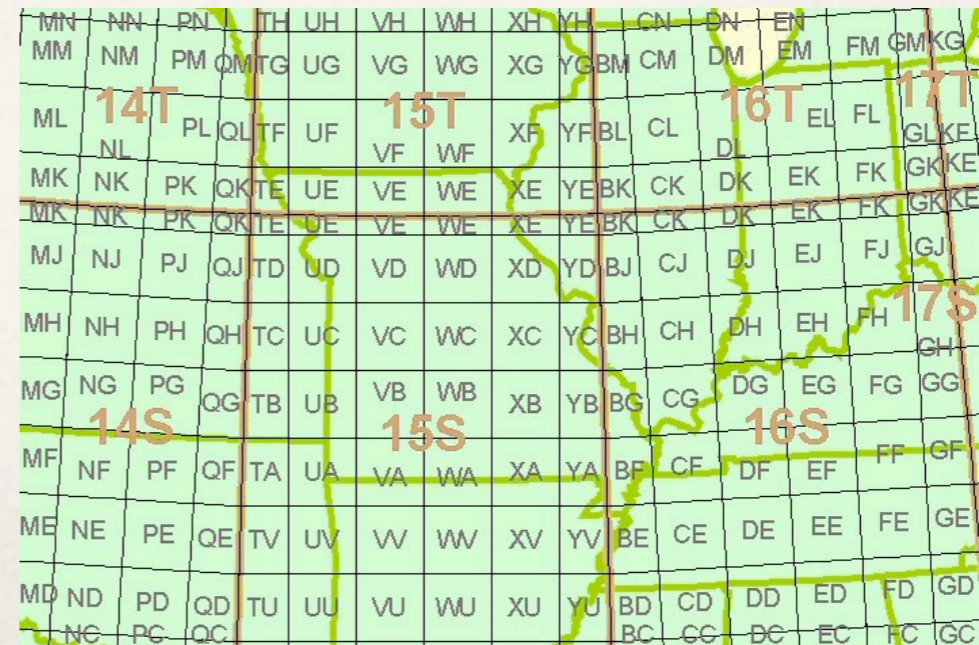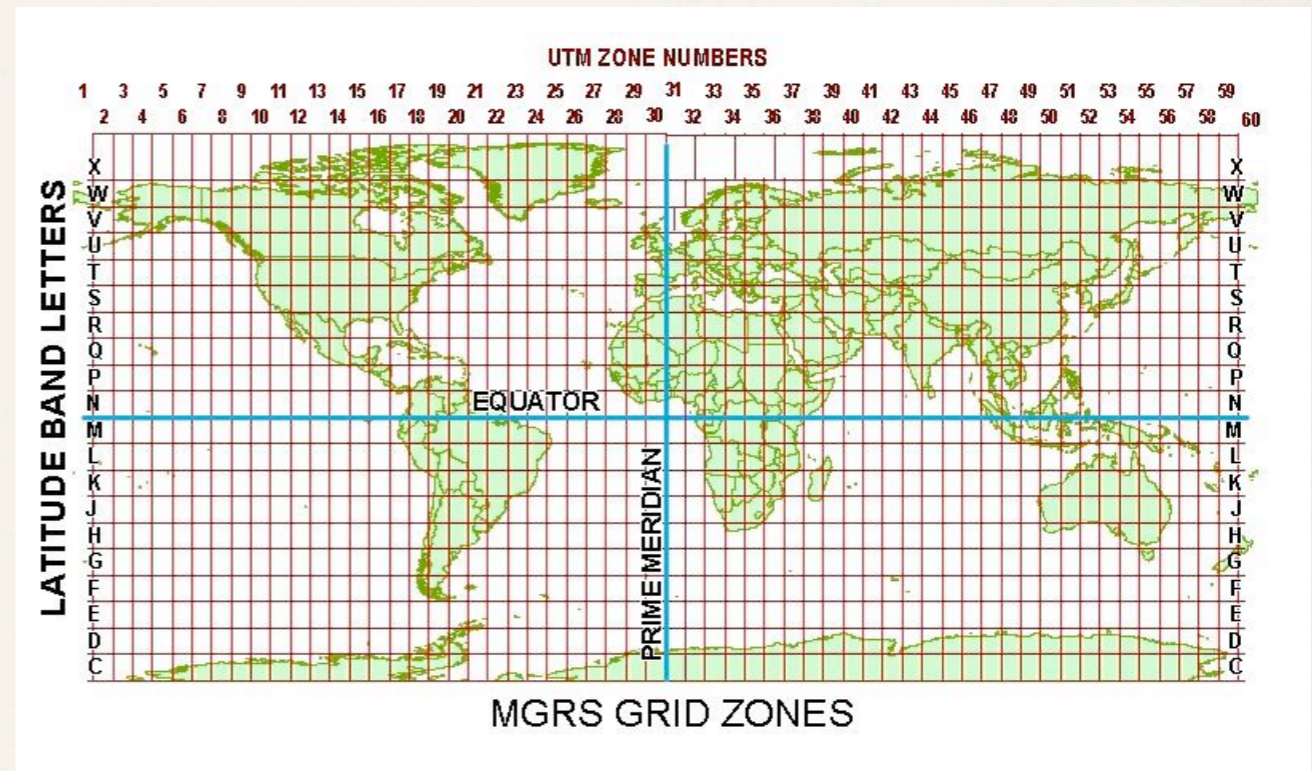1X SHOT IN THE HEAD IN SADR CITY (MB502242, 1500 HRS, AL RAFIDIAN PS)

6X SHOT IN THE HEAD IN SHEIKH MAARUF (MB425880, MAHALAH #212, 1620
HRS, AL JAAIFER PS)

2X HANDCUFFED, BLINDFOLDED, AND SHOT IN THE HEAD IN AL JIHAD (MB393859, MAHALAH #887, 1136 HRS, HY ALAMIL PS)

Normalized version: 38S MB 393 859
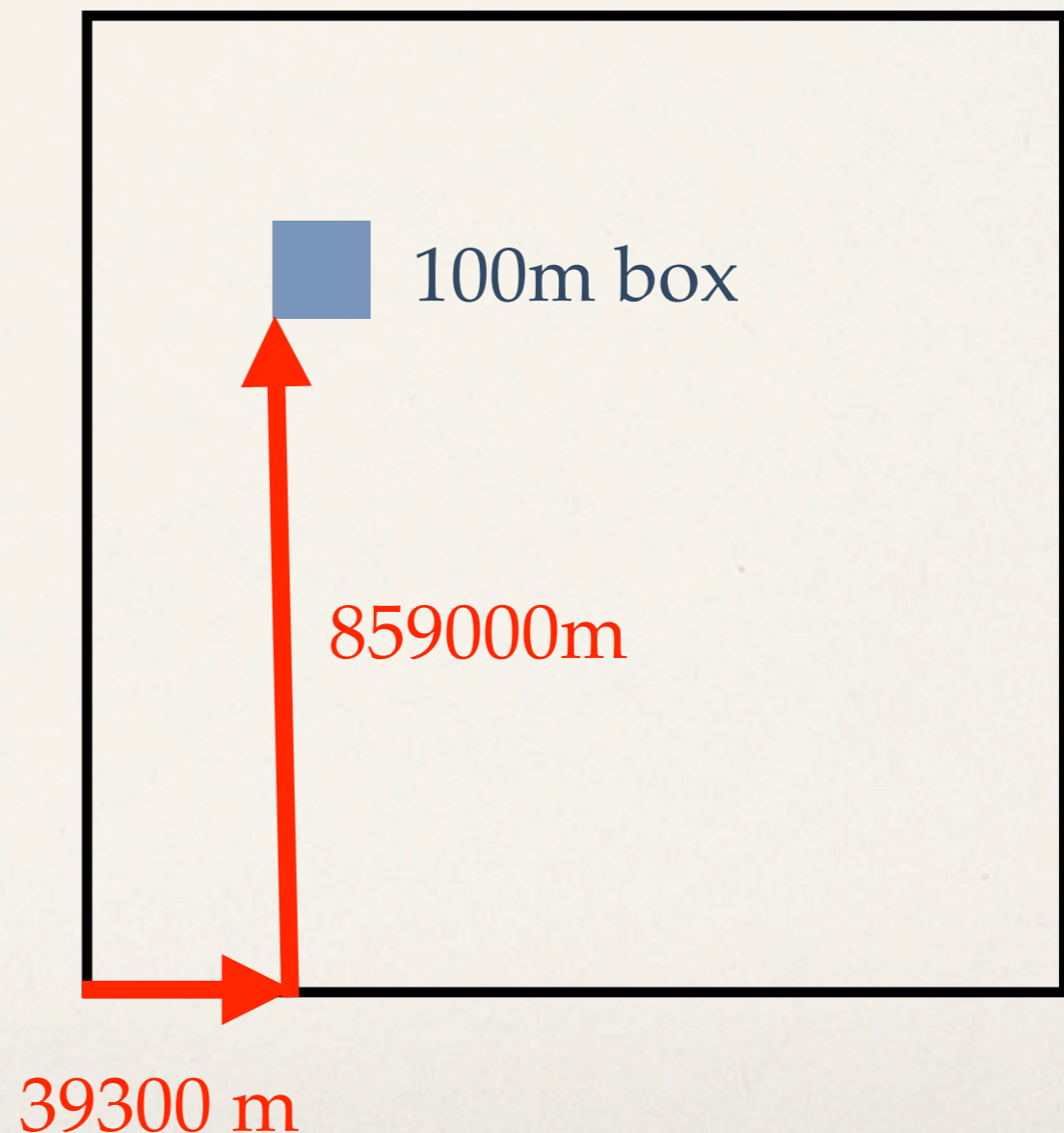Lat/Lng: 33.31096 lat, 44.34846 lng
Accuracy: 100m

Deciphering 38SMB1234567890

- 38S = Grid Zone Designator

- MB = 10,000m square

- 12345 = easting in meters

- 67890 = northing in meters

Variable Precision

- Specifying error boxes

- 38S MB 39313 85924 = 1m

- 38S MB 3931 8592 = 10m

- **38S MB 393 859 = 100m**

- 38S MB 39 85 = 1000m

- 38S MB 3 8 = 10,000m

100m box

859000m

39300 m

Other Tips

* Spacing may vary, but easting and northing must be same length

* Reports will routinely omit the Grid Zone Designator in the body of text (may be included in header metadata)

* Not all grid zones or 100km squares are actually squares

* Typos in report may geocode some coordinates to Antarctica

* I am not a map nerd. Someone else can tell how to use in ArcGIS.