



VIRTUAL INTELLIGENCE SERVICE
VICTORIA PER INTELLECTUM

INTSUM VIS AD/IADS

OPAR D+4

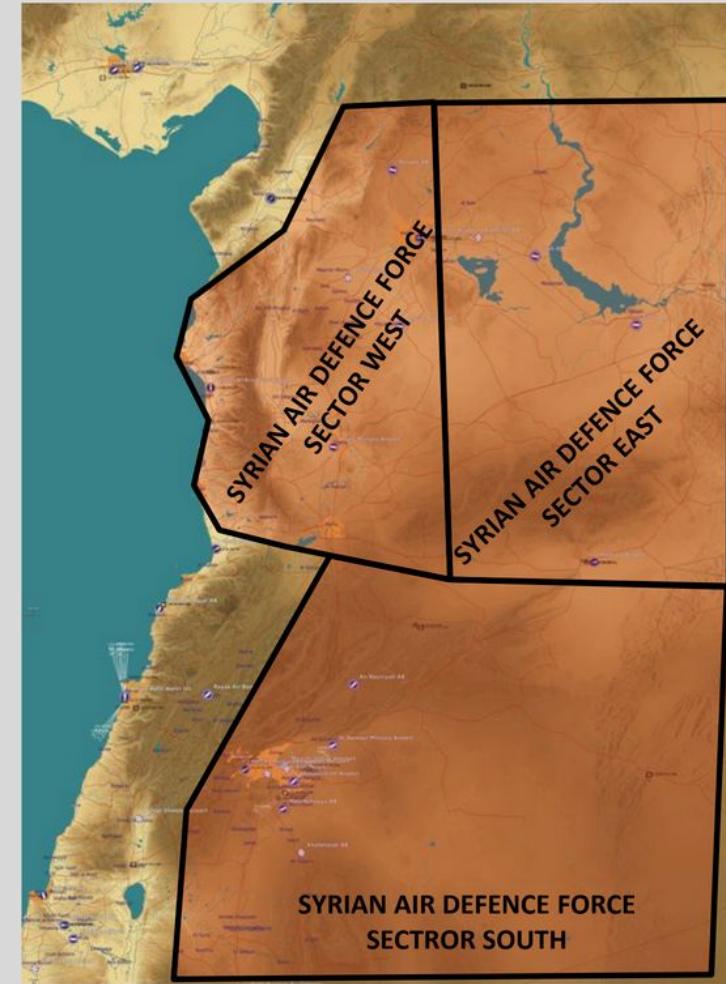
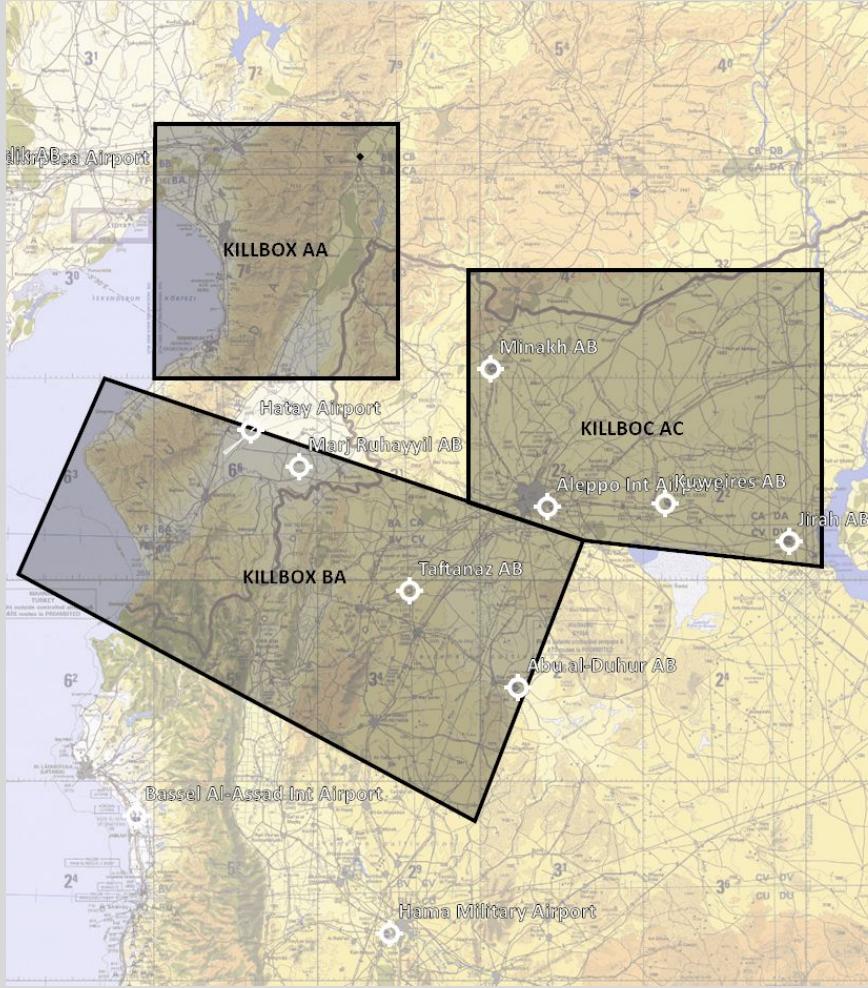
DISCLAIMER:

This is for multiplayer online gaming using the Digital Combat Simulator software published by Eagle Dynamics. The information is not in any way suitable for real world use or operations.

Version: 1.0
Published: 2020-11-02

AREA REFERENCES

used in this report





PART 1

Air Defence



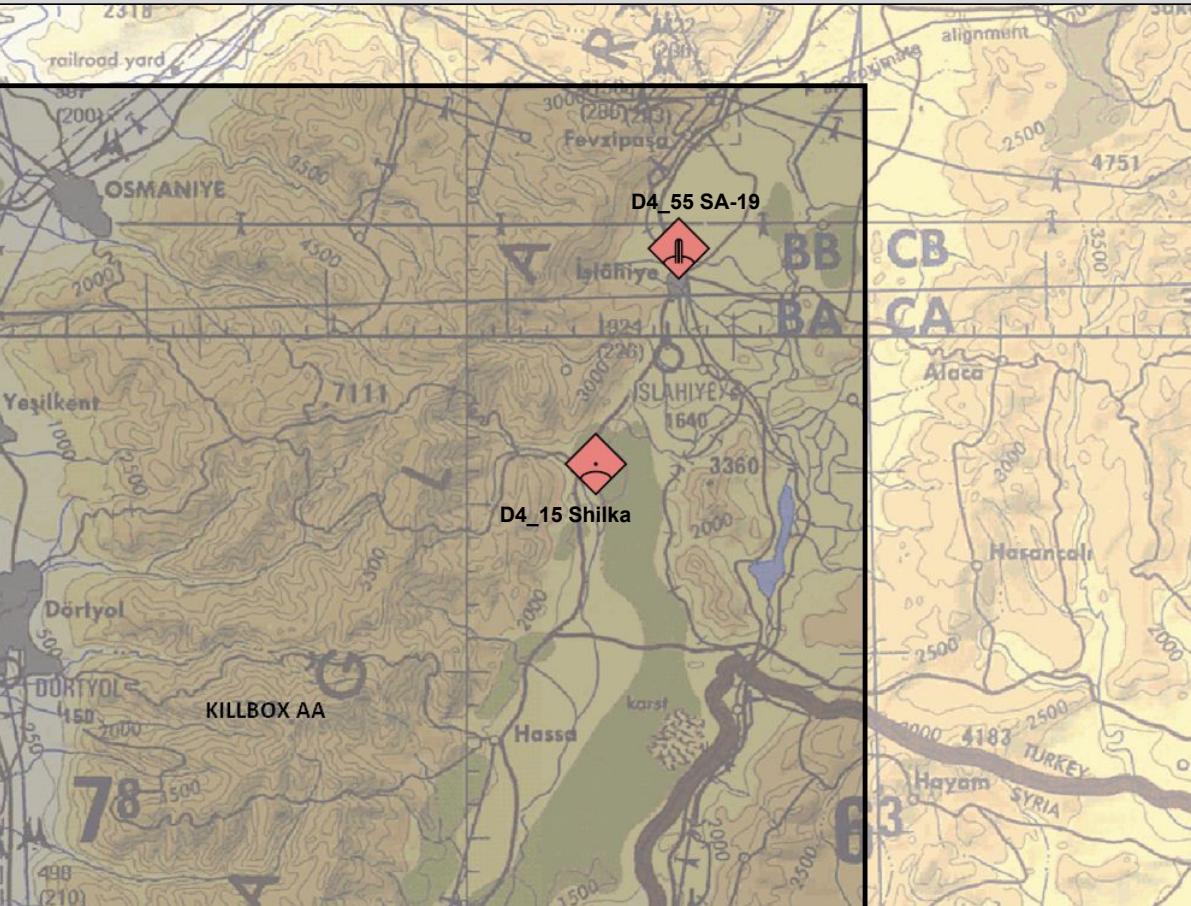
BDA

AD Force Sector West

AD BDA in KB AA

Two air defenses confirmed destroyed in KB AA

- D4_55: SA-19
- D4_15: Shilka



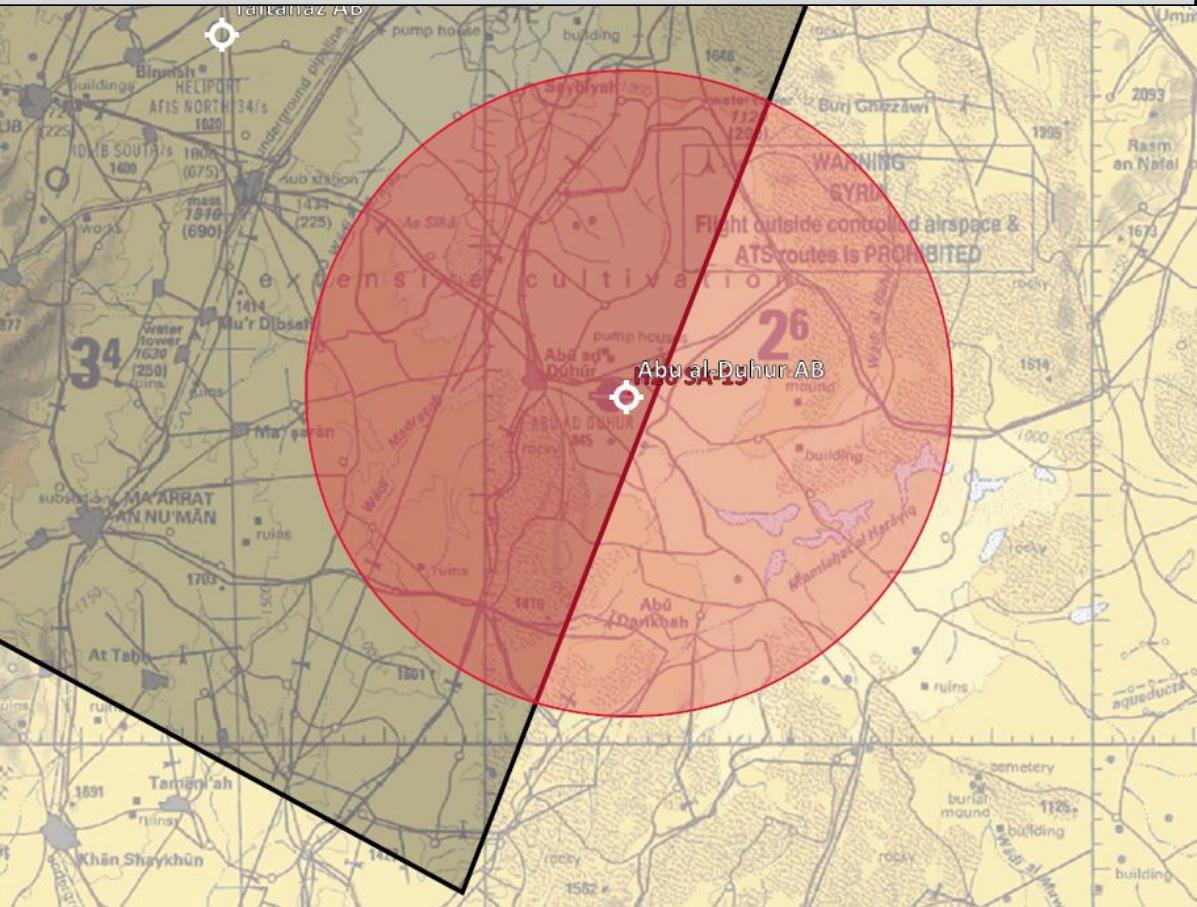


BDA

AD Force Sector West

AD BDA in KB BA

H25: SA-15 somewhere around Abu al-Duhur is confirmed destroyed





INTEL

AD Force Sector West

AD INTEL in KB AA

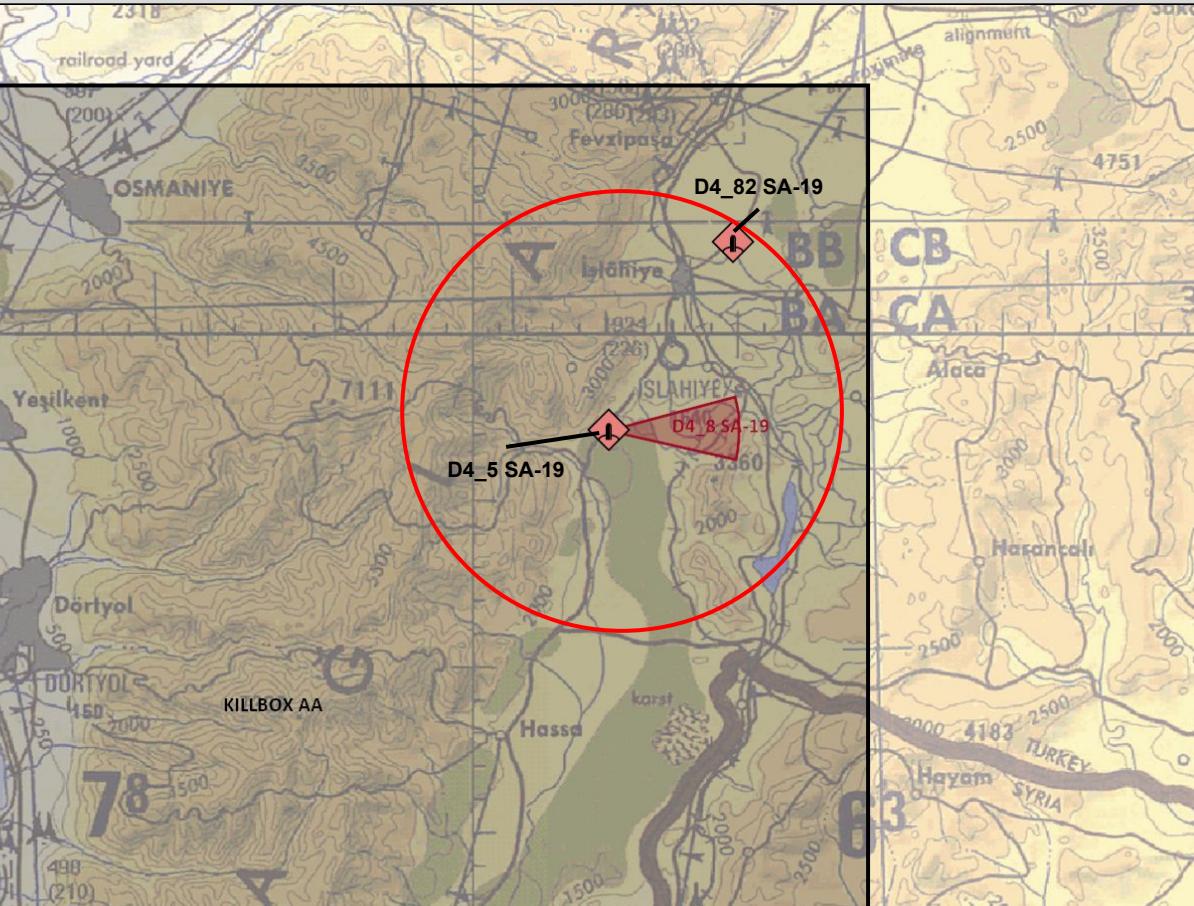
D4_5 has been reported through RWR contact, identified as SA-19

D4_82 has been reported through visual contact, identified as SA-19

D4_8 (the red sector) has been reported through RWR contact, assumed SA-19

Missiles have been reported shot down within the red circle. It has not been verified that SA-19 has this capability, and the presence of an SA-15 is inferred.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.





INTEL

AD Force Sector East

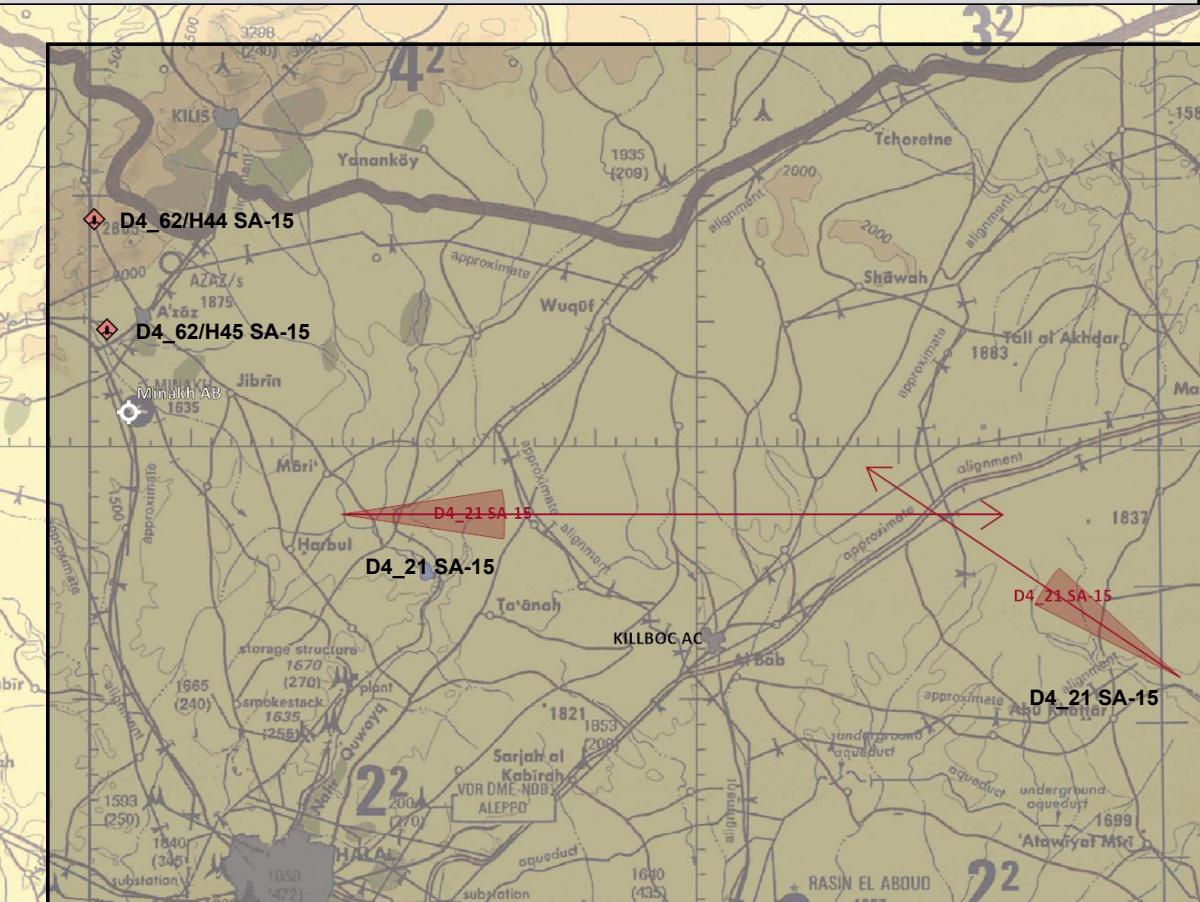
AD INTEL in KB AC

D4_62, or H44 and H45 from OPAR D+3, has been confirmed at the previous position as 2x SA-15.

D4_21 is reported as an additional two SA-15 contacts on RWR on two different occasions.

Pilot reports that at one point there were a total of 4 SA-15 contacts on the RWR, indicating these might all be four different SA-15 systems.

NOTE: The sectors indicate general direction from the area - distance was not reported and the sector does not indicate distance.



SUMMARY

AD Force Sector West

AD SUMMARY in KB AA

Unknown if D4_5, D4_55 and D4_82 is the same SA-19, as durations have not been reported for all contacts.

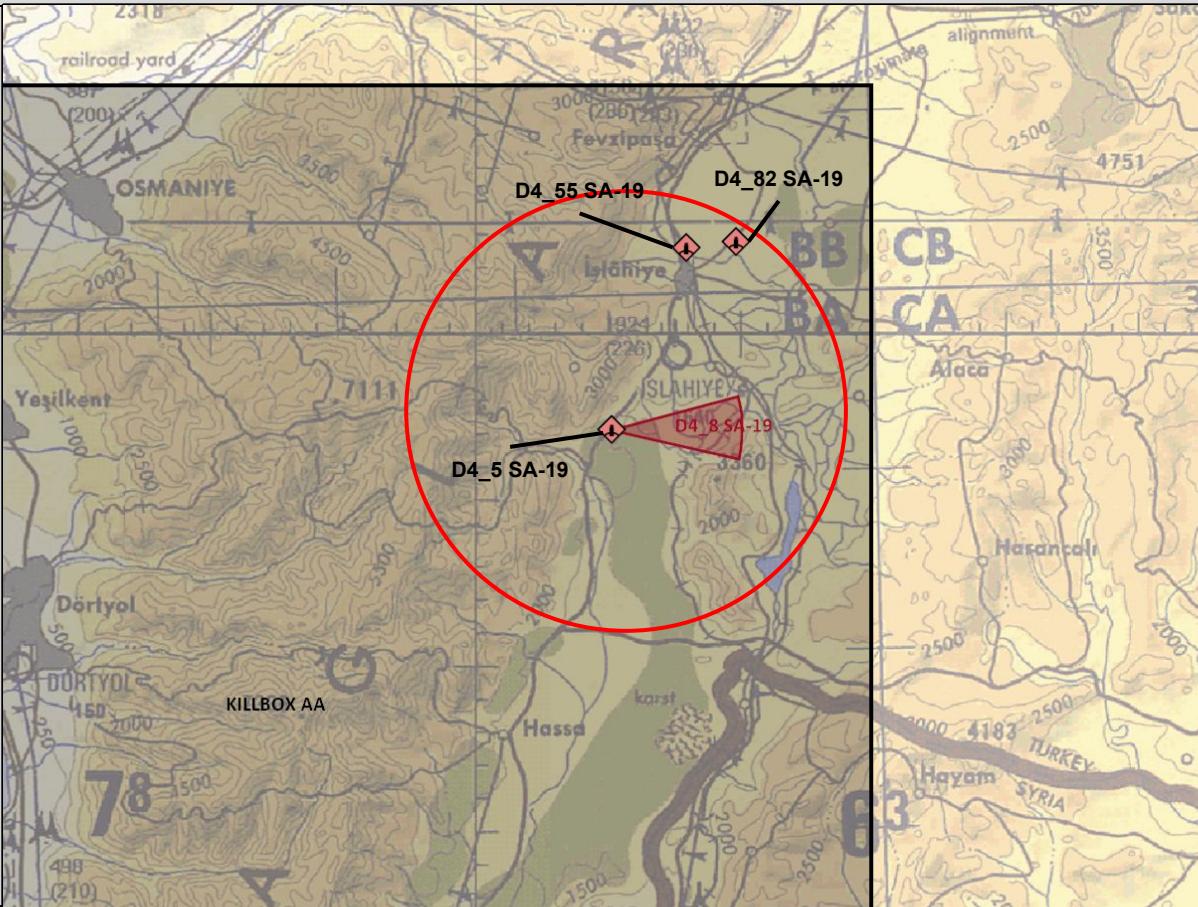
Due to distance between sightings and VUL of reporting flights it is considered unlikely that D4_5 is the same as D4_55 or D4_82.

Due to VUL of reporting flights it is considered unlikely that D4_55 is the same as D4_82.

D4_8 assumed outside KB AA, an unknown distance to the east.

Conclusion:

- 3x SA-19 systems in KB AA
 - one destroyed
 - two still active
- DIRT on SA-19 unlikely within KB AA
- Suspected SA-15 within the red circle



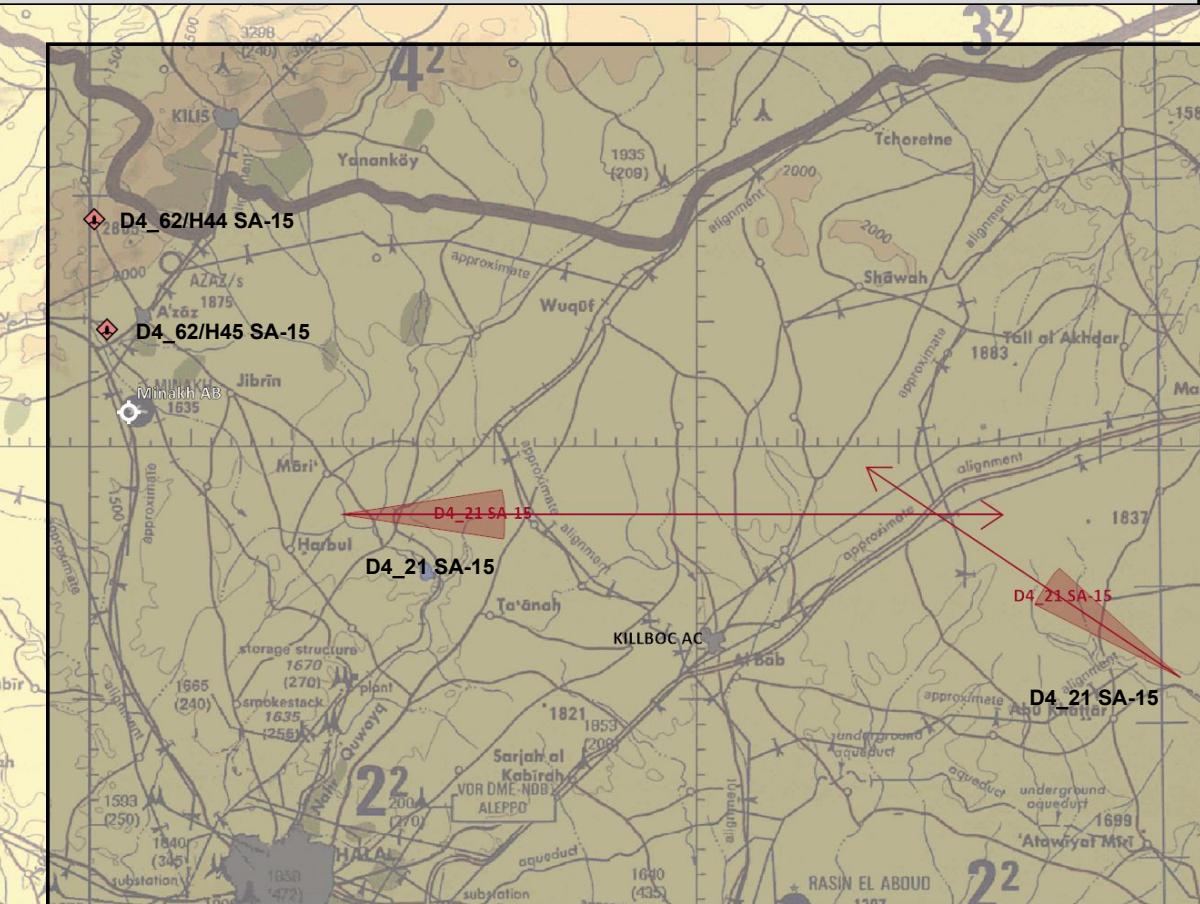
SUMMARY

AD Force Sector East

AD SUMMARY in KB AC

Conclusion:

- D4_62 (H44) confirmed SA-15 at position
- D4_62 (H45) confirmed SA-15 at position
- D4_21 assumed as two separate SA-15 systems with unknown position



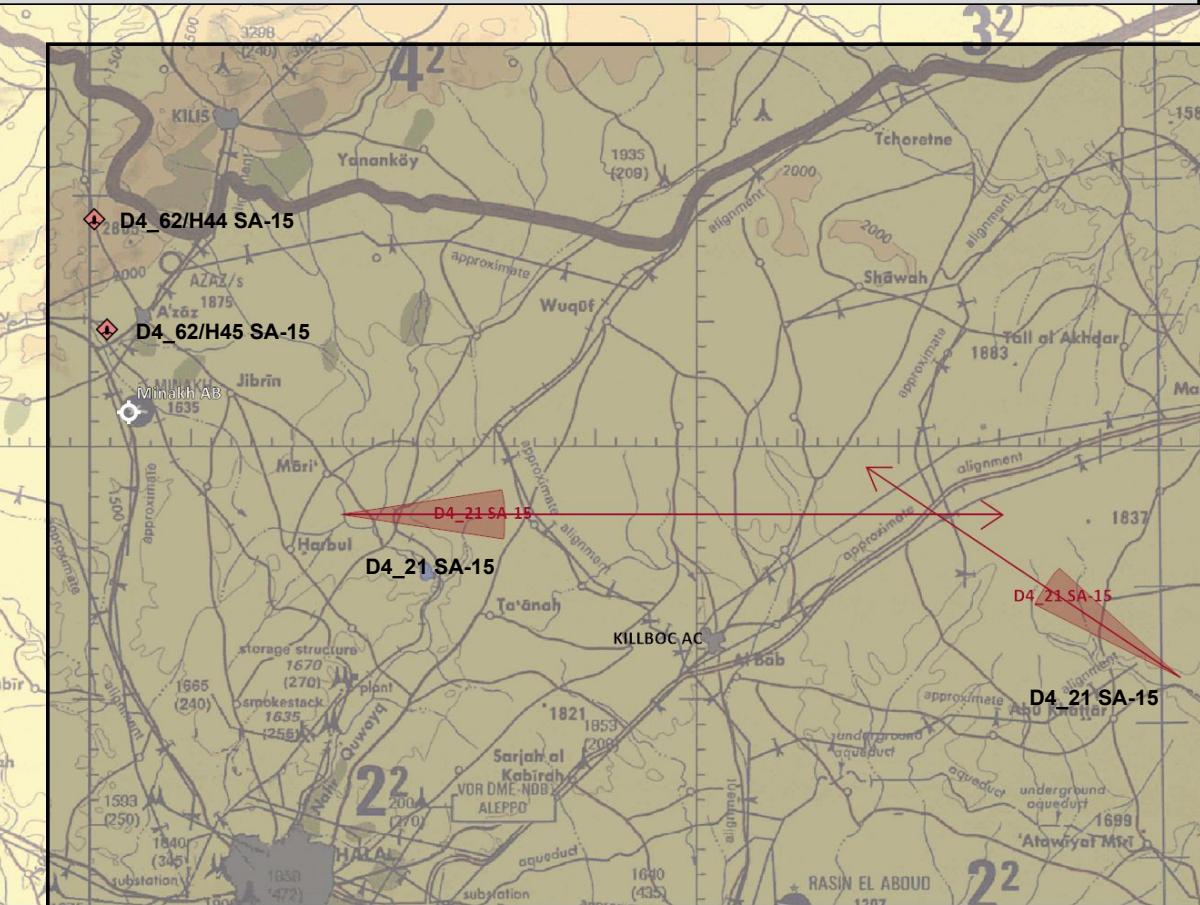
SUMMARY

AD Force Sector East

AD SUMMARY in KB AC

Conclusion:

- D4_62 (H44) confirmed SA-15 at position
- D4_62 (H45) confirmed SA-15 at position
- D4_21 assumed as two separate SA-15 systems with unknown position





PART 2

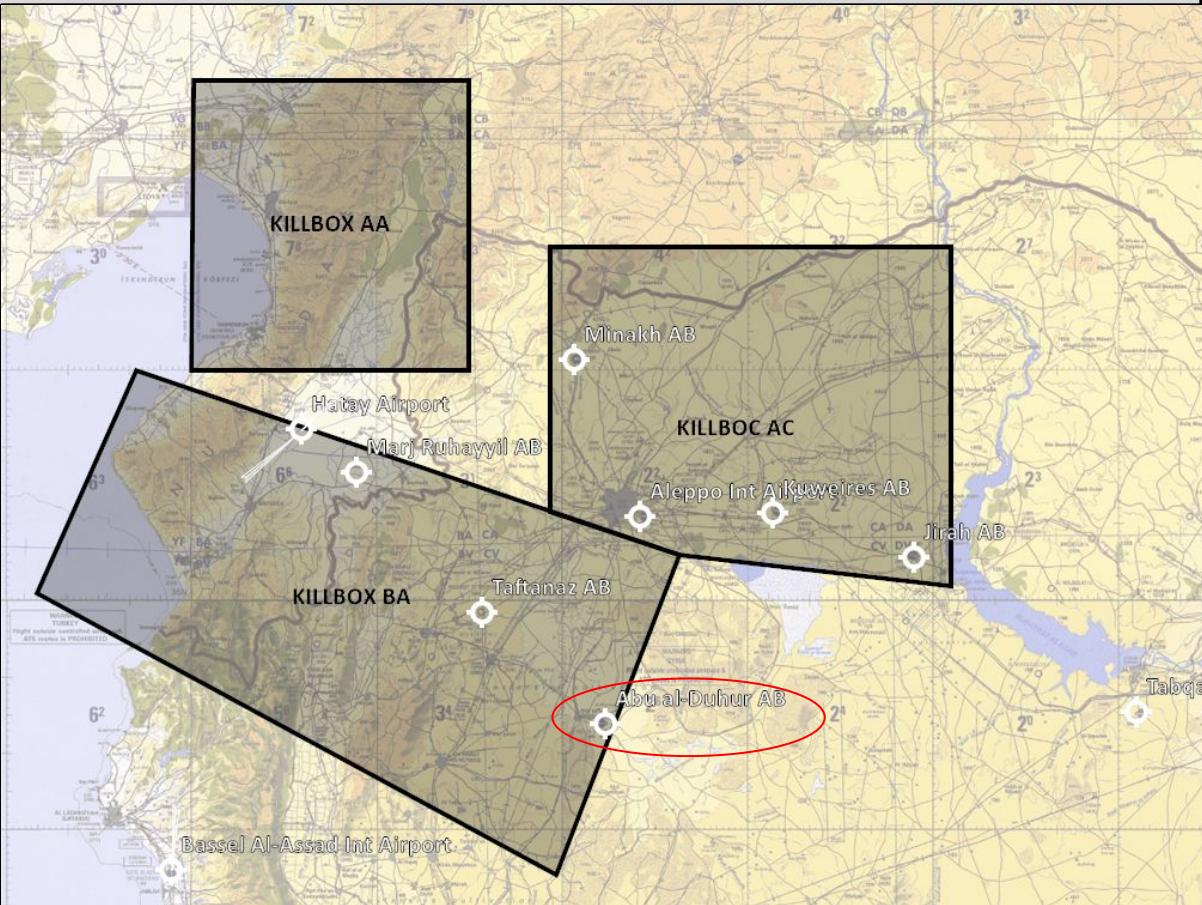
Integrated Air Defence System

MAJOR EVENTS FROM D+3

AD Force Sector West

IADS Sector West

Runways and taxiways at Abu al-Duhur AB has been destroyed.



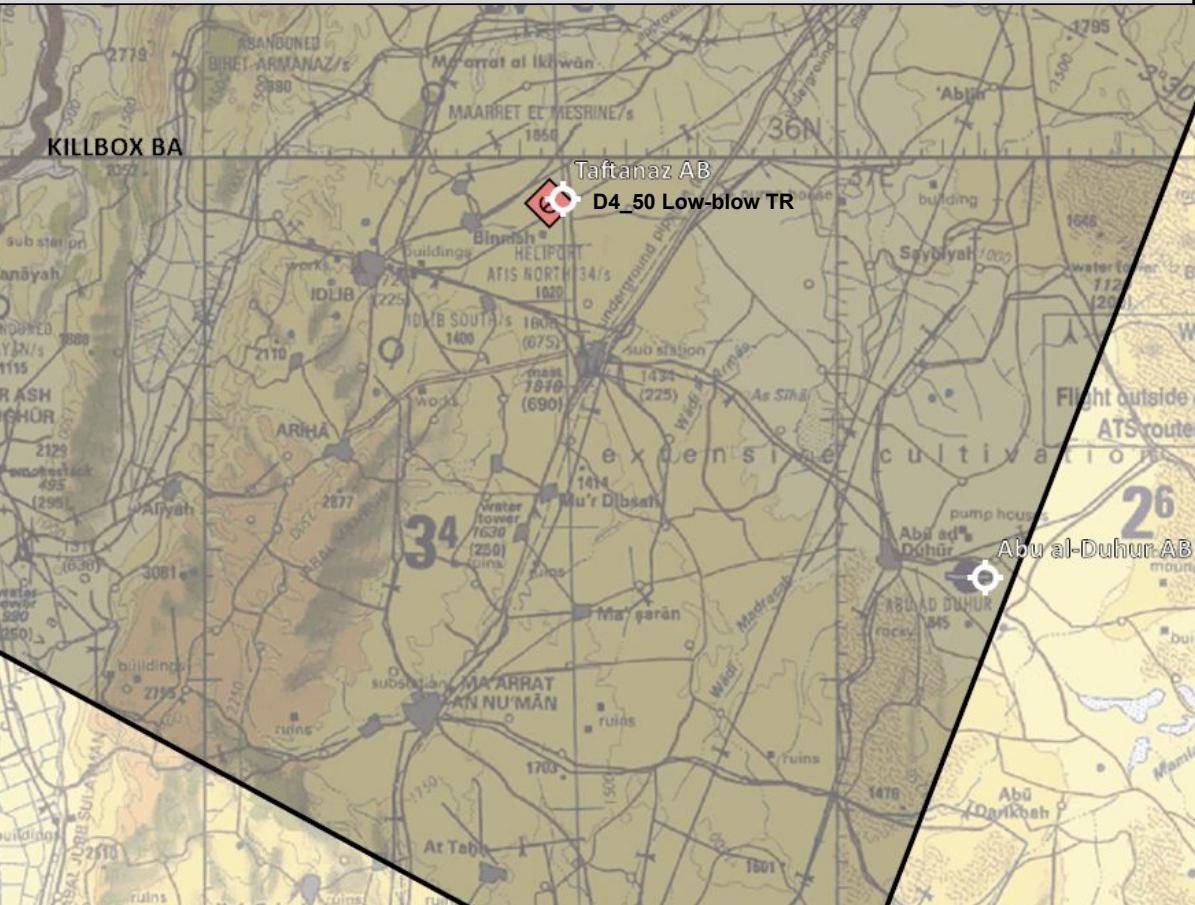


BDA

AD Force Sector West

IADS BDA in KB BA

D4_50 reported as a Low Blow tracking radar confirmed destroyed at Taftanaz AB.





INTEL

AD Force Sector West

IADS INTEL EWR/RADAR

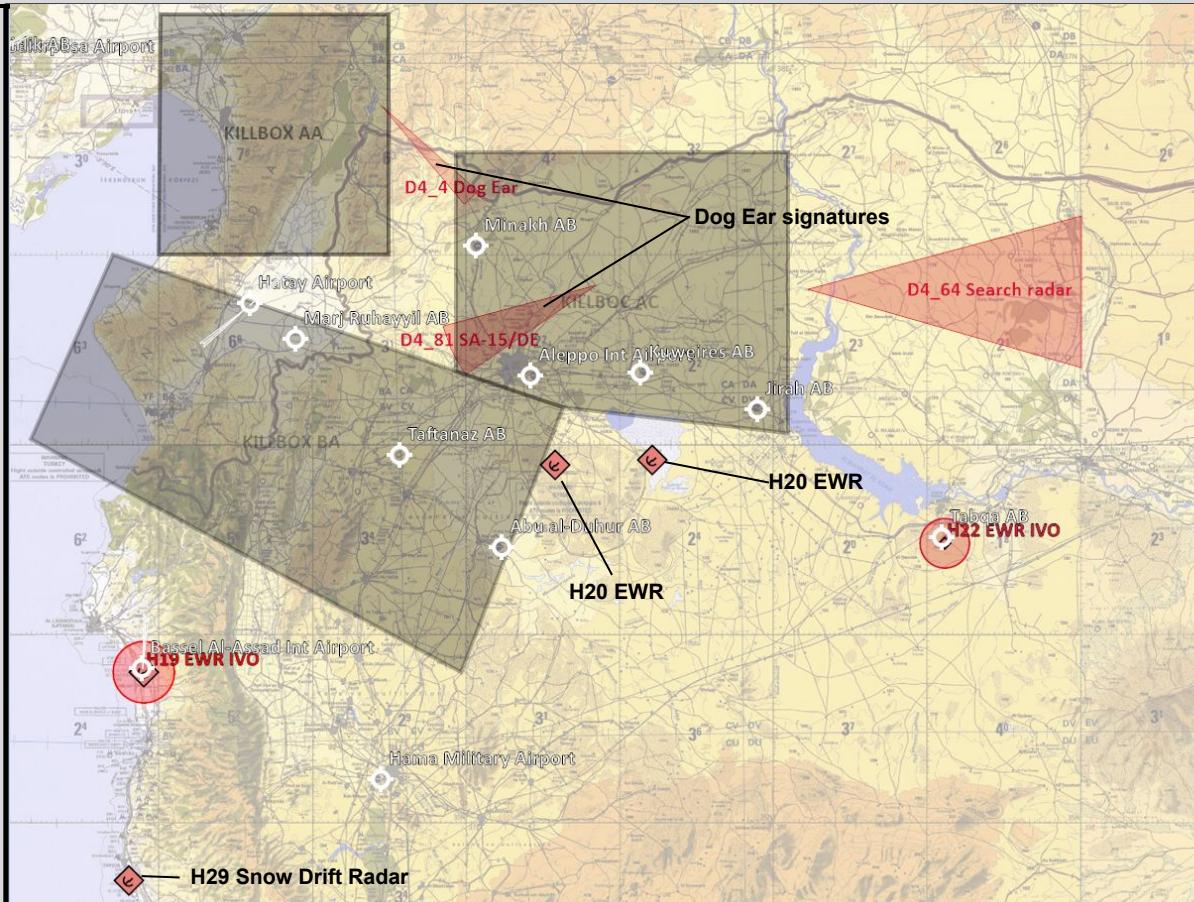
The following map shows all

- EWR sightings (red diamonds)
- EWR area (circles)
- Radar contacts (sectors, black labels)

EWR sightings that were reported after D+3 but confirmed destroyed during D+4 are shown.

D4_64 is an unidentified search radar to the east of KB AC.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



INTEL

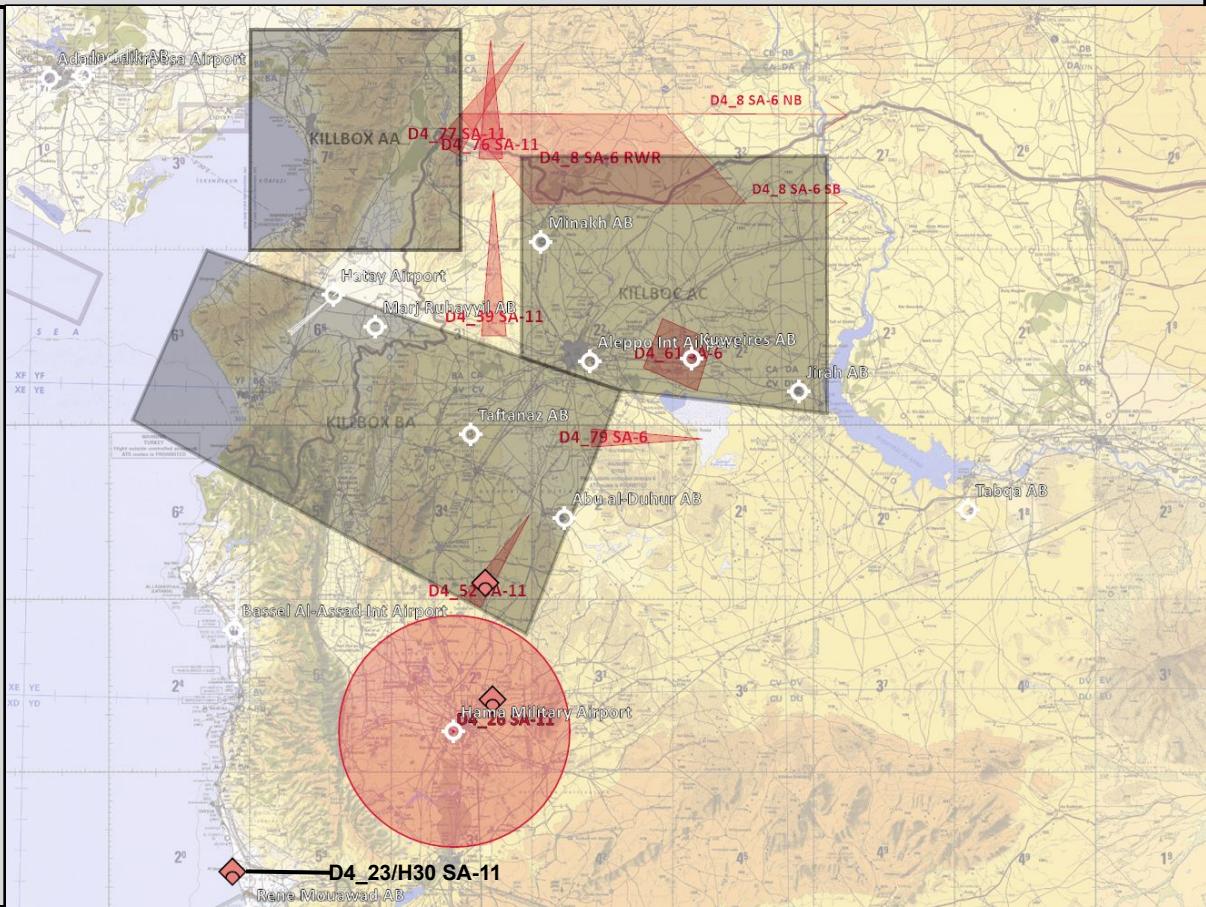
IADS INTEL SA-6/SA-11

The following map shows all SA-11 and SA-6 reported contacts

- RWR contacts (sectors)
 - triangulations/visuals

Both SA-11 and SA-6 are relatively mobile systems. Intel suggests that the SA-11 relocates every 6 hours, while the SA-6 relocates every 12 hours.

NOTE: The sector indicates general direction from the area - distance was not reported and **the sector does not indicate distance.**



INTEL

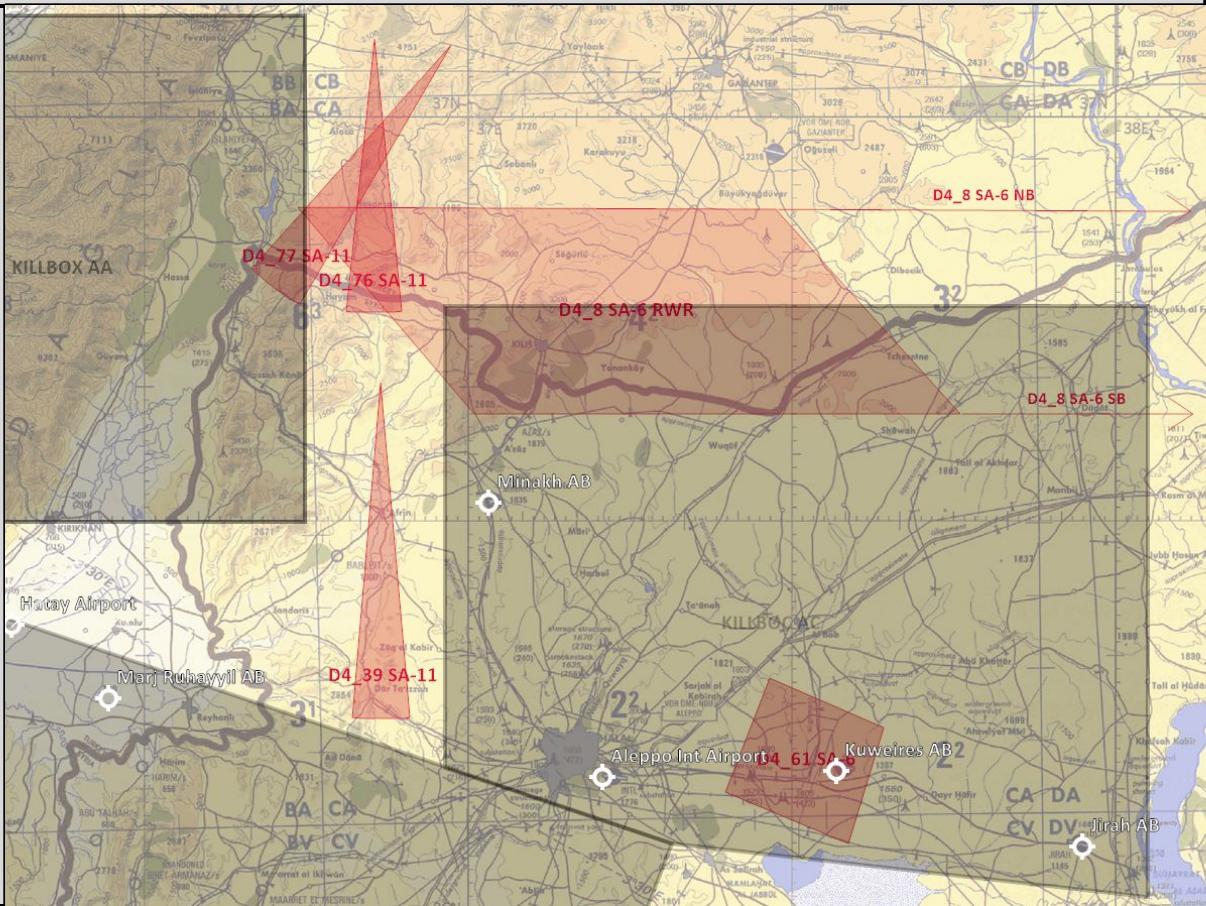
IADS INTEL SA-6/SA-11 INTEL

D4_8 has been reported as an SA-6 RWR contact somewhere east of the Dog Ear sector. The site may be within the red area or even further east between the northern or southern bounds.

It is unknown if D4_76 and D4_39 is the same system, or if D4_76 and D4_77 is the same system.

An SA-6 has been confirmed within the area around Kuweires AB.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



INTEL

IADS INTEL SA-6/SA-11 INTEL

D4_79 has been reported as an SA-6 RWR west of the EWR in the area.

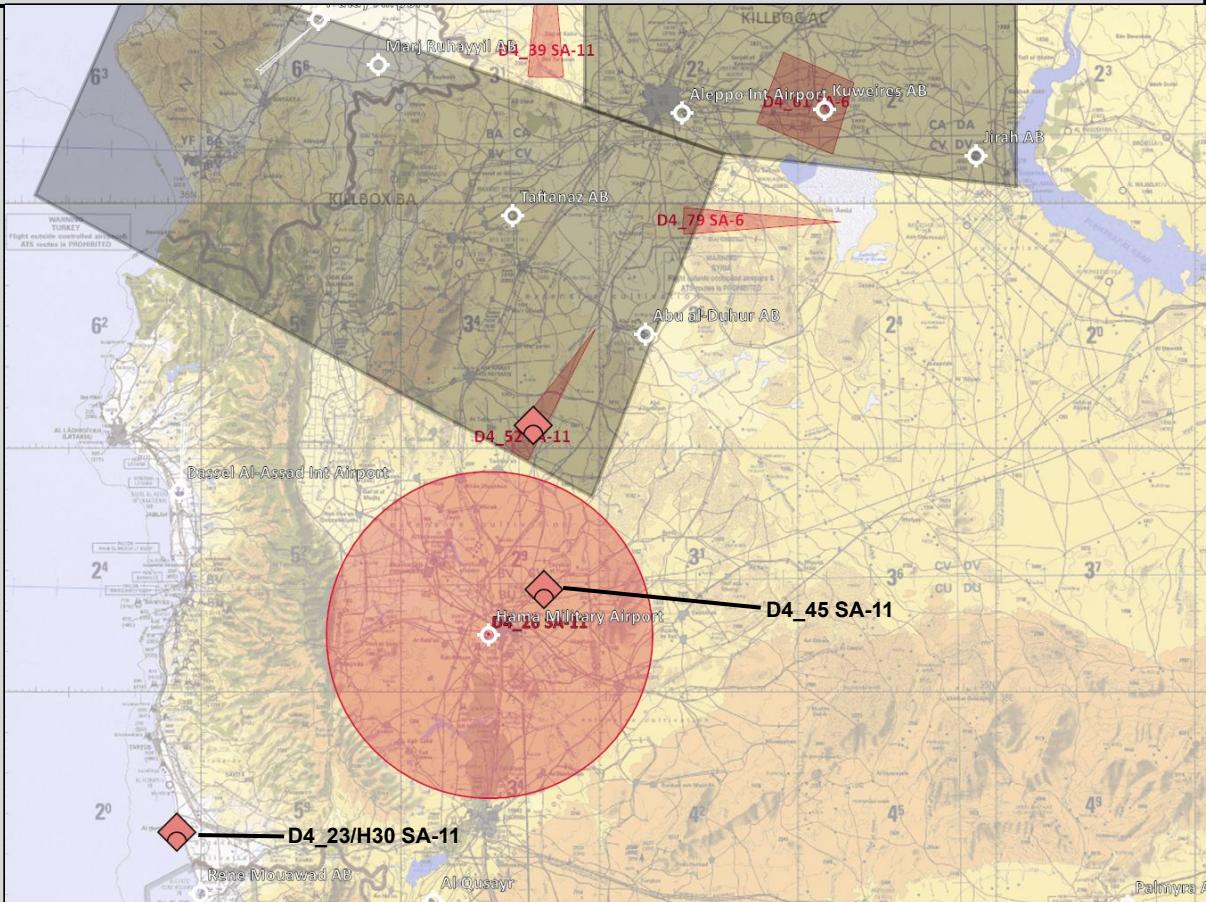
D4_52 is reported as an SA-11 with unconfirmed position on the AD marker within the sector.

D4_26 has been reported as an SA-11 with confirmed SAM launch within the red circle around Hama Military Airport.

D4 45 has been reported as an SA-11 site with

D4_23 is reported as an SA-11 MUD, south of BE near Tartus. H30 was reported as an SA-11 near the area after D+3.

NOTE: The sector indicates general direction from the area - distance was not reported and **the sector does not indicate distance.**



INTEL

IADS INTEL SA-2/SA-3 OVERVIEW

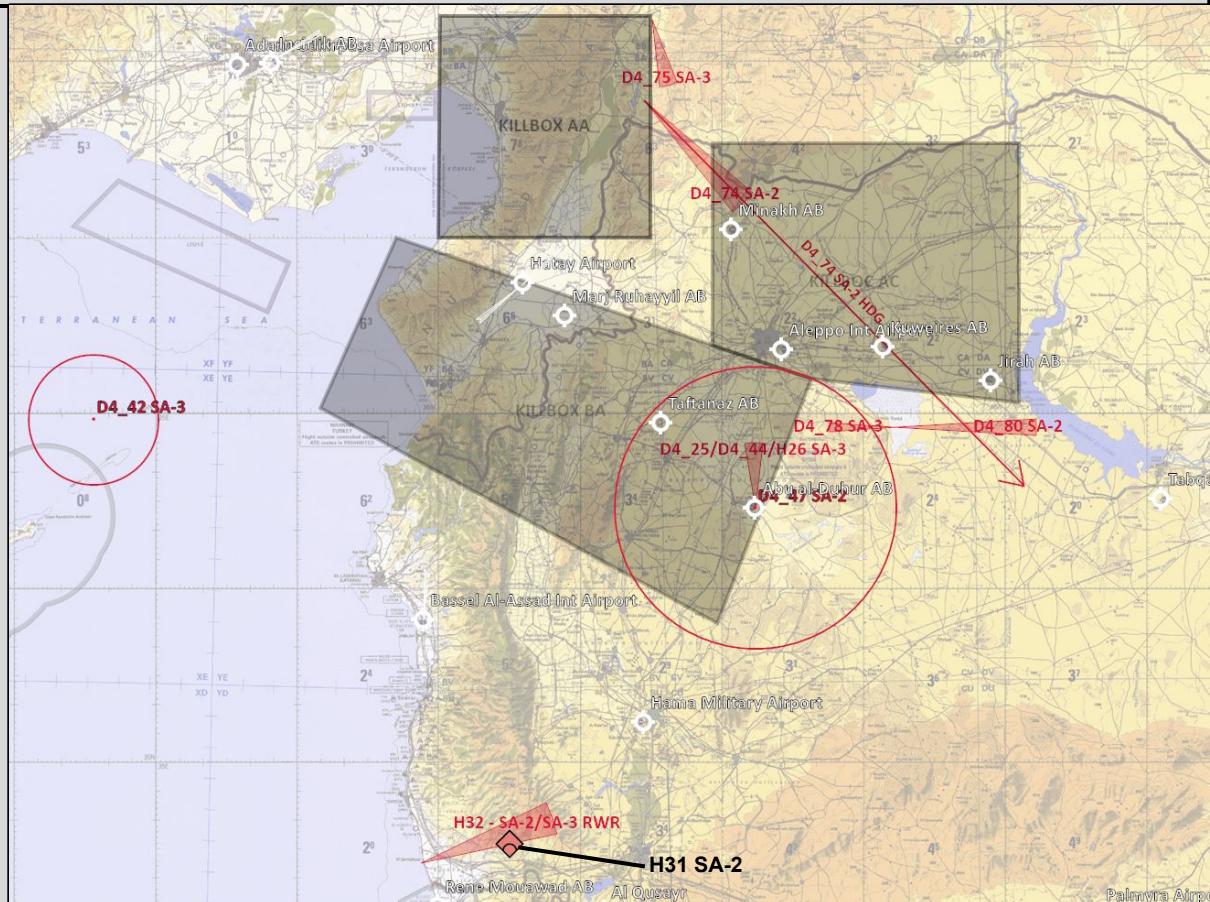
The following map shows all SA-11 and SA-6 reported contacts

- RWR contacts (sectors, circles)
- triangulations/visuals

Both SA-2 and SA-2 are relatively immobile systems. There is no intel on relocation frequency for the SA-2 or for the SA-3. These systems must be relocated with effort.

D4_42 has been reported as a friendly aircraft position that received an SA-3 RWR contact, though no direction for the contact nor aircraft altitude was reported.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



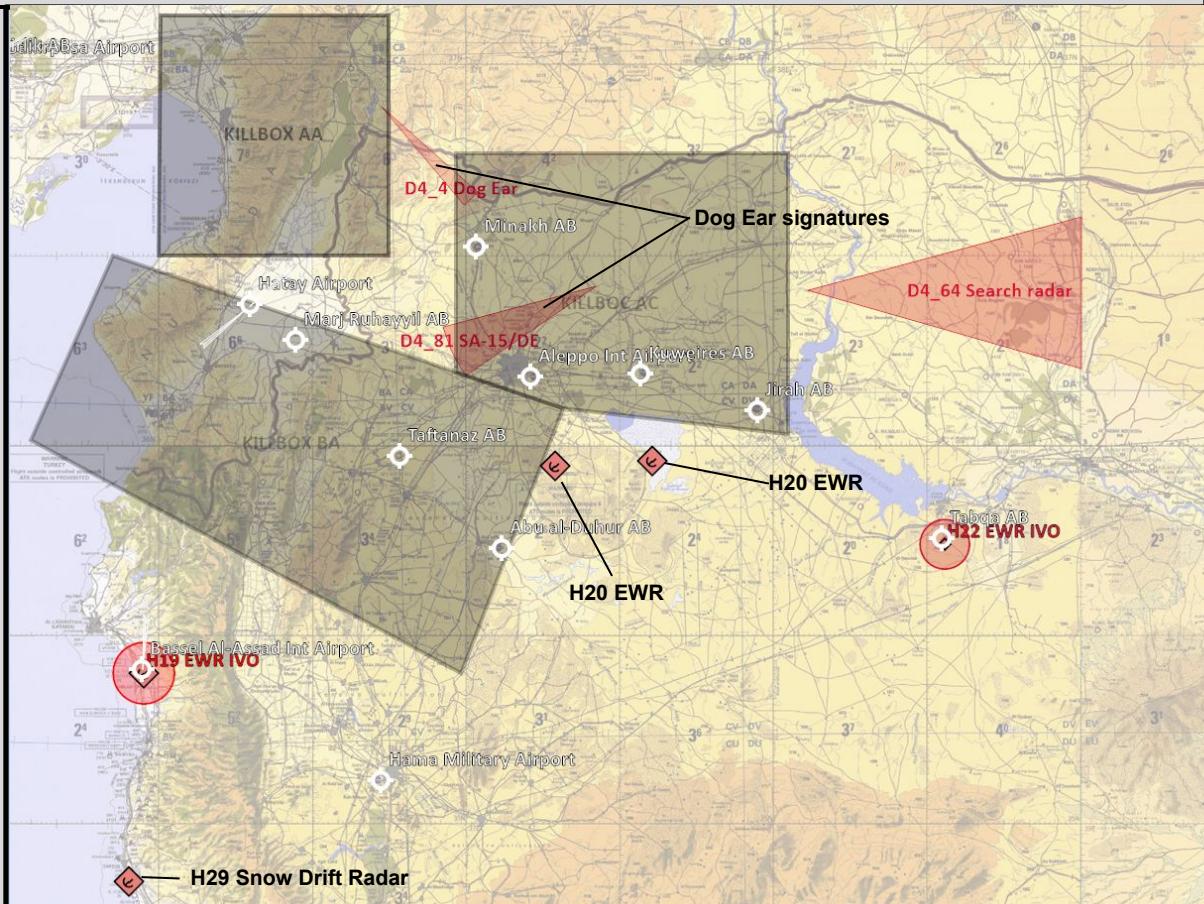


SUMMARY

IADS INTEL EWR/RADAR SUMMARY

The D4_4 and D4_81 reportings of Dog Ear could be the same system or it could be two systems, see SA-11 summary further down.

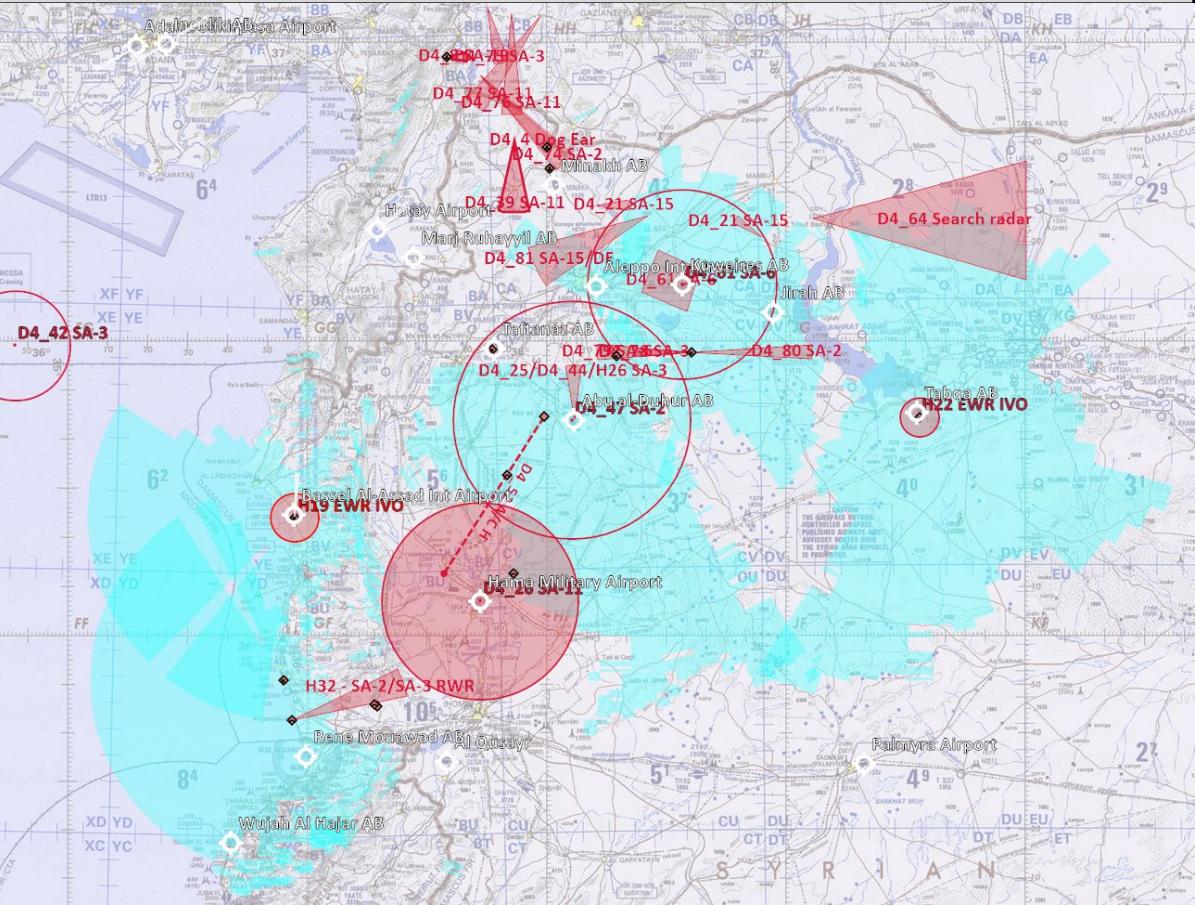
NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



SUMMARY

IADS INTEL EWR SUMMARY

Blue area is the radar coverage of aircraft at 500ft AGL, for the currently known EWR systems



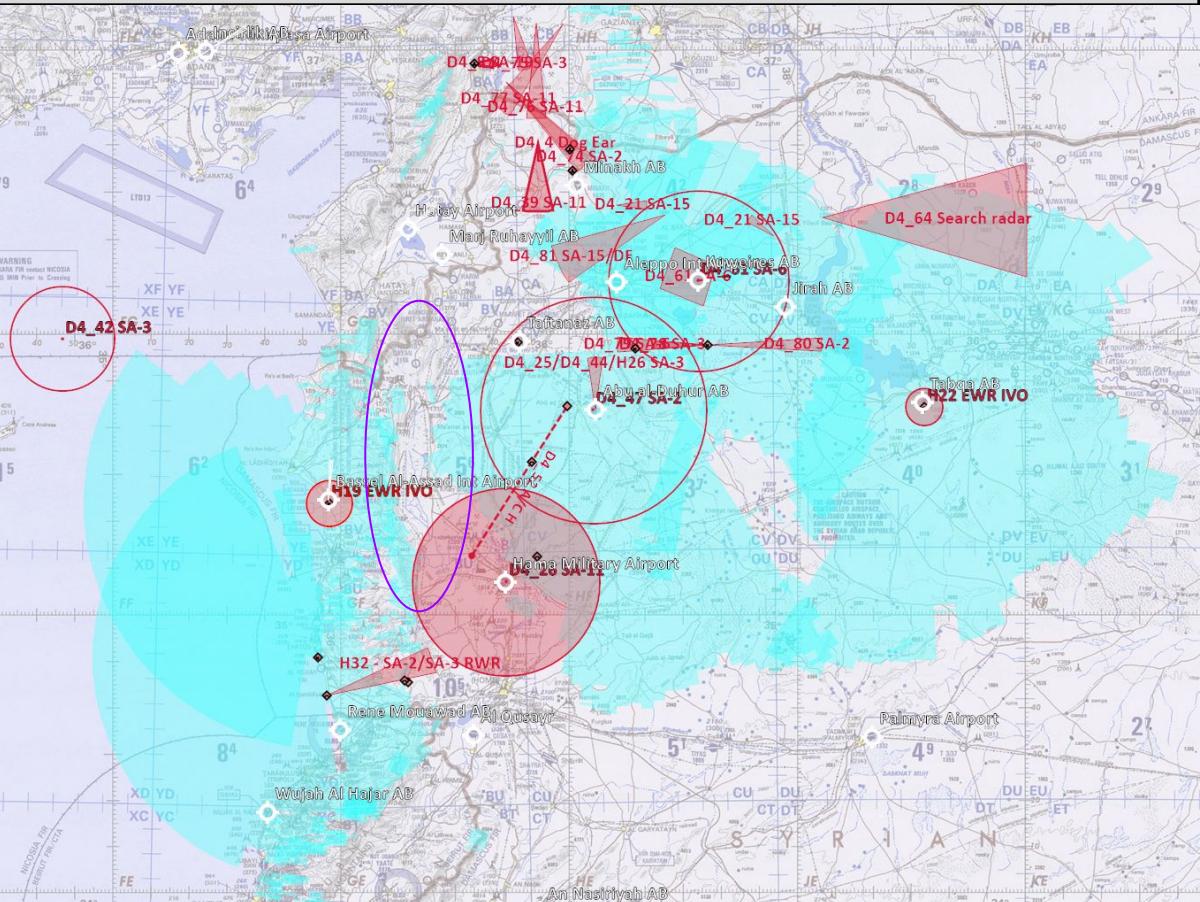
SUMMARY

IADS INTEL EWR SUMMARY

Blue area is the radar coverage of aircraft at 1000ft AGL, for the currently known EWR systems

A potential corridor to Hama Military Airport from the north is marked in purple. Whether or not there are other defenses in that area remains unknown.

NOTE: The purple area marks lacking EWR coverage only and does not indicate a defenseless corridor.



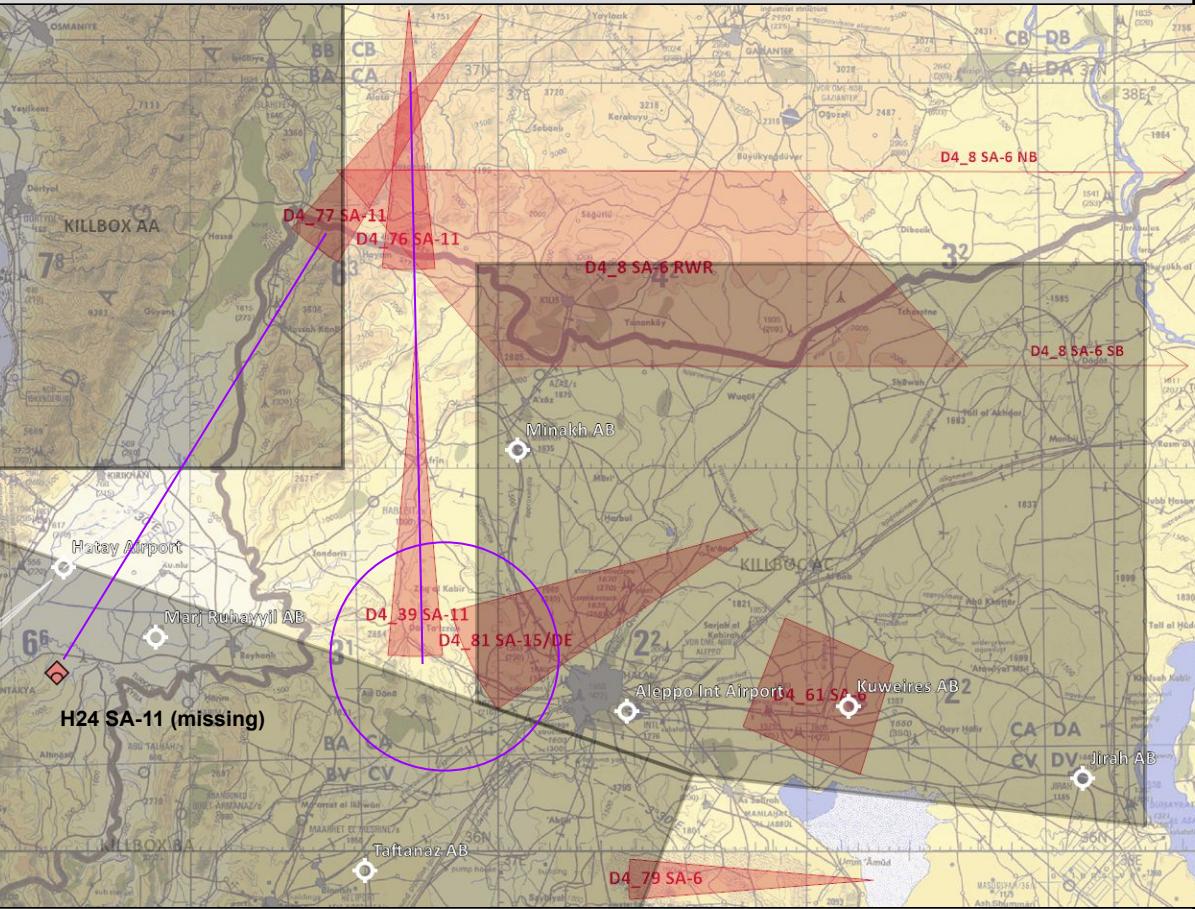
SUMMARY

IADS INTEL SA-6/SA-11 SUMMARY

H24 is a report from D+3 of a SA-11 site that was not found and assumed on the move. D4_77 could indicate that H24 has established further north.

D4_76 aligns well with D4_39. It is possible that the SA-11 is in the same area as the Dog Ear radar, protected by an SA-15.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.





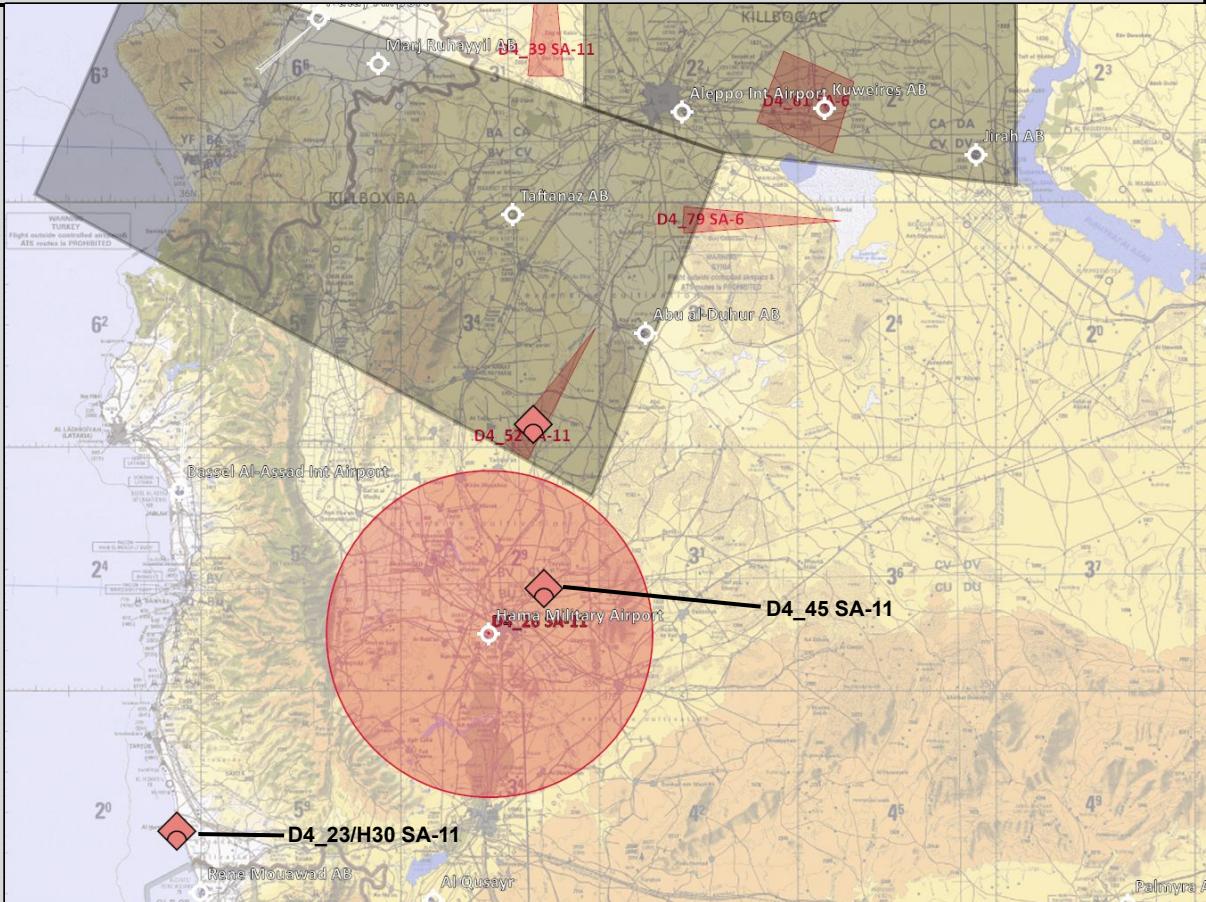
SUMMARY

IADS INTEL SA-6/SA-11 SUMMARY

D4_39 and D4_52 could be the same system. There is a limited number of SA-11 in sector west, intel suggests there are less than have been reported.

Alternatively D4_39 and D4_45 is the same system, and D4_52 and D4_23 is the same system.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



SUMMARY

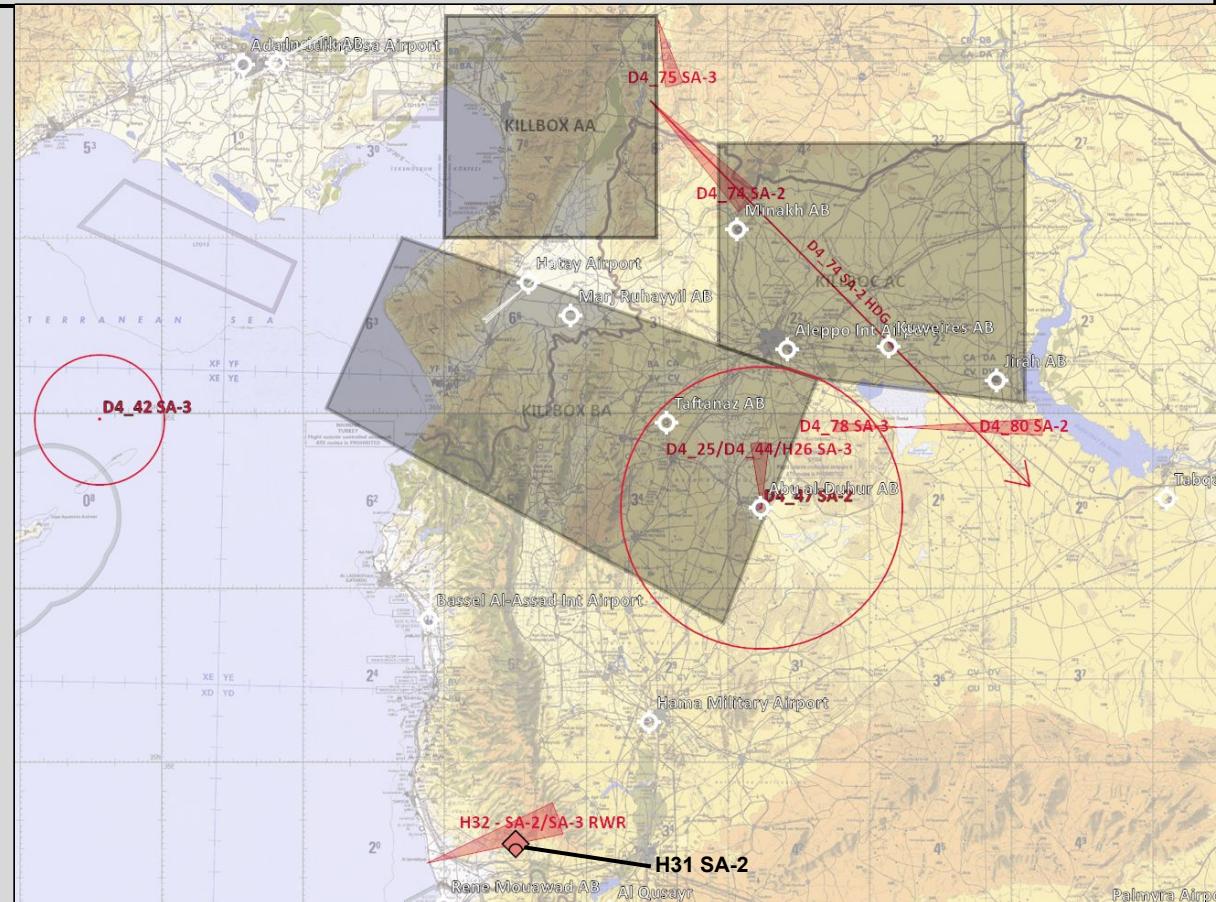
IADS INTEL SA-2/SA-3 SUMMARY

D4_75 and D4_74 are both relatively static SAM sites that could be defenses to the north-west for Minkah AB. It is unlikely that the SA-3 is at Minakh, but it should be expected to be within the SA-2 range, somewhere between the AB and the Syrian/Turkish border. The SA-2 could be comparatively close to the AB, however.

One of the reported Dog Ear contacts, D4_4, also points in this direction. This could indicate that there are in fact two different Dog Ear radars in that area.

Take note that Dog Ears are only able to track accurately within a radius of approximately 20 nm.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



SUMMARY

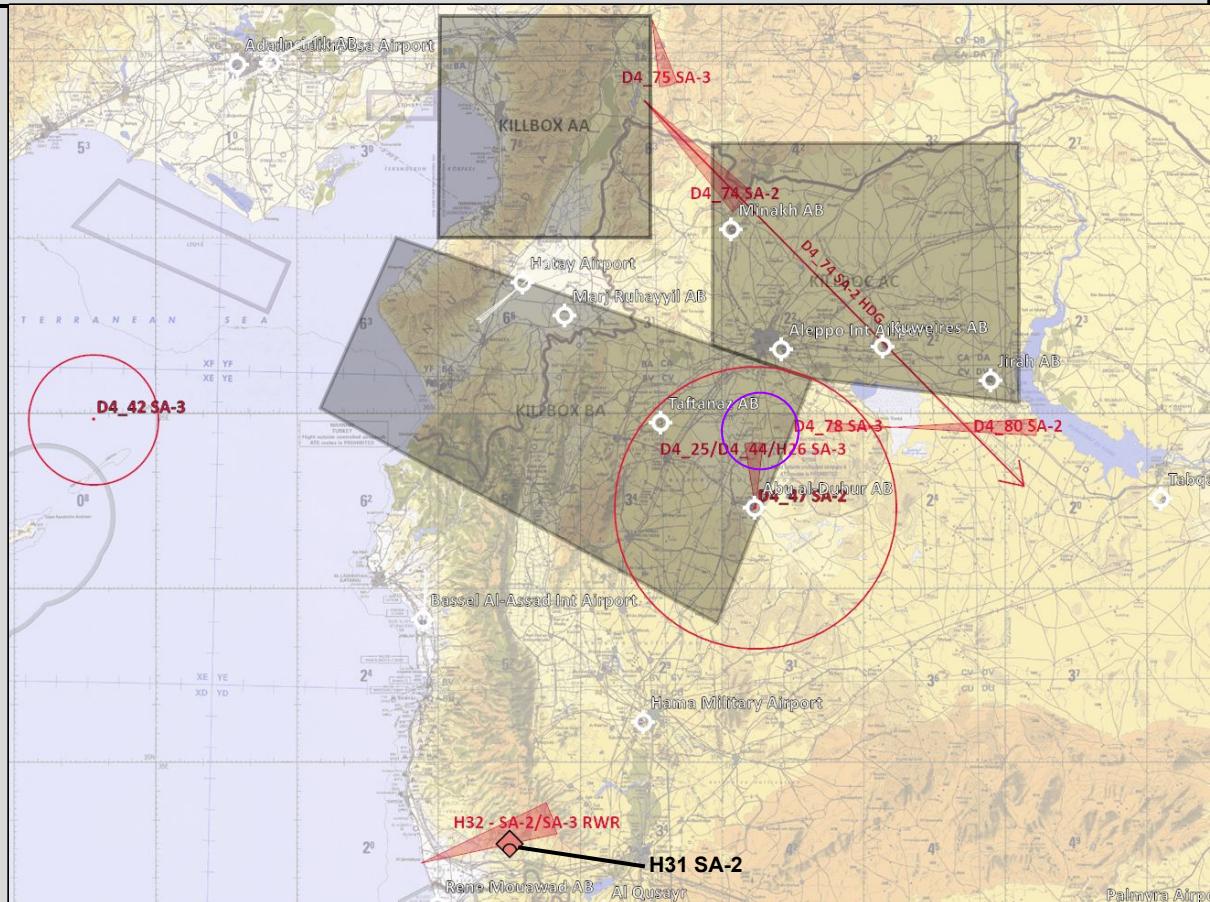
IADS INTEL SA-2/SA-3 SUMMARY

D4_78 and D4_25/D4_44/H26 could be the same system, in which case it should be within the purple area.

Similarly for the RWR contacts close to Minakh, take note that the SA-3 around Abu al-Duhur is protected by an SA-2 site.

The SA-3 reported under H32 should be within 30 nm of H31 reported as a SA-2, presumably along the sector.

NOTE: The sector indicates general direction from the area - distance was not reported and the sector does not indicate distance.



ASSESSMENT OF ENEMY SITUATION

IADS Sector WEST:

Given that Abu al-Duhur is still under EWR coverage, and there is not a clear picture of the threats there, an attempt to cut off the west-most part of the sector could be made by attacking Hama from the north through the corridor and from the south by clearing the area around Bassel Al-Assad Intl. Airport (EWR TGT H19) and the Snow Drift Radar at Tartus (H29).

NOTE: Neither of these radars have been reported during D+4, and might be on the move or inactive for tactical reasons, however D4_23 (SA-11) was spotted in the area.

The scope of clearing this area should be considered in relation to focus on SEAD along the valley north from Hatay up to (and past) KB AA, as there seems to be a lot of rather mobile air defenses in the area, and Minakh as a possible stronghold to prevent BLUE advances further east.



ASSESSMENT OF ENEMY SITUATION

IADS Sector EAST:

The identification of D4_80(SA-2) and D4_64 (unknown tracking radar) could indicate the air defenses of the Syrian IADS sector EAST is moving to mobilize further west.

There seems to be multiple SA-11 contacts in the entire theatre, even as there should only be (as per current intel) two SA-11 battalions. Though it is unlikely that those reported for D+4 comes from the southern or eastern sector.

INTELLIGENCE GAPS

Without triangulation or proper timestamps for reports it becomes hard to determine whether RWR contacts are from unique systems.

Many SA-11 reportings seems to line up quite nicely over quite long distances. It is unlikely that all of them are of individual systems.

Reports on RWR contacts should be of the form:

TIME (in game) - TYPE OF CONTACT - LAT/LONG - ALTITUDE AGL - HEADING FROM A/C - DISTANCE(if able)

For example:

1950, SA-6, N 35 39.987 E 036 04.905, 1500ft, 120, 10nm

Reports on visual contacts should be of the form:

TIME (in game) - TYPE OF CONTACT - LAT/LONG - ALTITUDE MSL (if possible)

For example:

1951, SA-3, N 35 39.987 E 036 04.905, 1304 ft